City of Ramsey
Agenda
Regular City Council
Tuesday, October 25, 2022
7:00 pm
Council Chambers, 7550 Sunwood Drive NW

Remote Attendance available at www.cityoframsey.com/meetings.
Those joining remotely and requesting to speak are asked to use a webcam when speaking.

1. Call to Order

2. Presentation

1. Proclamation Declaring November 26, 2022, as Small Business Saturday in the City of Ramsey.

Women Impacting Public Policy (WIPP) and the Small Business Saturday Coalition have asked Mayor Kuzma for his support for Small Business Saturday® in the City of Ramsey. This is an effort to drive consumers to shop at local independently owned businesses on the Saturday after Thanksgiving, November 26, 2022.

Small Business Saturday falls between Black Friday and Cyber Monday, Small Business Saturday is essential to the preservation of the neighborhoods that compose the landscape of your local economy and enrich its unique culture.

3. Citizen Input

4. Approve Agenda

5. Consent Agenda

1. Approve the Following Meeting Minutes:

1. City Council Work Session dated 10/11/2022
2. City Council Regular Session dated 10/11/2022

2. Approve Business Licenses

3. Approve Rental Licenses

4. Approve Request to Declare Surplus Property

5. Approve Dental Insurance Renewal

6. Adopt Resolution #22-245 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of October 6, 2022 through October 19, 2022.

7. Adopt Resolution #22-136 Authorizing Partial Payment No. 1 to GMH Asphalt Corporation for Improvement Project #22-02, Autumn Heights Street Reconstruction

8. Adopt Resolution #22-137 Authorizing Partial Payment No. 5, to Douglas-Kerr Underground, LLC. for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive.

9. Adopt Resolution #22-239 Authorizing Partial Payment No. 2, to Douglas-Kerr Underground, LLC. for Improvement Project #20-05, Riverdale Drive Extension

10. Adopt Resolution #22-240 Authorizing Partial Payment No. 2 to Novco, Inc. for Improvement Project #22-01, Sunwood Drive and Waco Street Reconstruction.

11. Adopt Resolution #22-241 Authorizing COR Public Infrastructure and Wetland Analysis

12. Adopt Resolution #22-242 Approving Cancellation of Purchase Agreement for Parcel 50; Case of Java Companies, L.L.C.

13. Adopt Resolution #22-244 Accepting Proposals and Authorizing Execution of Proposal by Dave Perkins Contracting for Improvement Project #22-14, Argon Street Drainage Improvements

14. Adopt Resolution #22-246 Approving Change Order #1 for Improvement Project #22-10, Public Works Salt Shed

15. Adopt Resolution #22-247 to Approve AFSCME and LELS Union City Health Insurance Contribution Adjustments

6. Public Hearing

7. Council Business

1. Review Proposed Water Treatment Plant Project Costs and Bid Schedule

2. Adopt Ordinance #22-25 Pertaining to Mobile Food Units

3. Adopt Ordinance #22-17 Amending City Charter Prohibiting Membership on the Charter Commission of City Council Members

4. Adopt Ordinance #22-26 Amending the City Charter Prohibiting Membership on City Boards and Commissions of Non-City of Ramsey Residents

8. Mayor/Council/Staff Input

9. Adjournment

CC Regular Session **2. 1.**

Meeting Date: 10/25/2022

Information

Title:

Proclamation Declaring November 26, 2022, as Small Business Saturday in the City of Ramsey.

Women Impacting Public Policy (WIPP) and the Small Business Saturday Coalition have asked Mayor Kuzma for his support for Small Business Saturday® in the City of Ramsey. This is an effort to drive consumers to shop at local independently owned businesses on the Saturday after Thanksgiving, November 26, 2022.

Small Business Saturday falls between Black Friday and Cyber Monday, Small Business Saturday is essential to the preservation of the neighborhoods that compose the landscape of your local economy and enrich its unique culture.

Purpose/Background:

To proclaim November 26, 2022 as Small Business Saturday.

Attachments

Mayoral Proclamation

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 10:12 AM
Brian Hagen	Brian Hagen	10/20/2022 10:24 AM
Form Started By: Katie Schmidt		Started On: 10/14/2022 01:53 PM
Final Approval Date: 10/20/2022		

7550 Sunwood Drive NW • Ramsey, MN 55303
City Hall: 763.427.1410 • Fax: 763.427.5543
www.cityoframsey.com

Mayoral Proclamation Declaring November 26, 2022 as Small Business Saturday

WHEREAS, the government of Ramsey, Minnesota, celebrates our local small businesses and the contributions they make to our local economy and community; and

WHEREAS, according to the United States Small Business Administration, there are 32.5 million small businesses in the United States, small businesses represent 99.7% of firms with paid employees, small businesses are responsible for 62% of net new jobs created since 1995, and small businesses employ 46.8% of the employees in the private sector in the United States, and

WHEREAS, 79% of consumers understand the importance of supporting the small businesses in their community on Small Business Saturday®, 70% report the day makes them want to encourage others to Shop Small®, independently-owned retailers, and 66% report that the day makes them want to Shop Small all year long; and

WHEREAS, 58% of shoppers reported they shopped online with a small business and 54% reported they dined or ordered takeout from a small restaurant, bar, or café on Small Business Saturday in 2021; and

WHEREAS, Ramsey, Minnesota supports our local businesses that create jobs, boost our local economy, and preserve our communities; and

WHEREAS, advocacy groups, as well as public and private organizations, across the country have endorsed the Saturday after Thanksgiving as Small Business Saturday.

Now, Therefore, I, Mayor Kuzma of the City of Ramsey, Minnesota do hereby proclaim, November 26, 2022, as

SMALL BUSINESS SATURDAY

And urge the residents of our community, and communities across the country, to support small businesses and merchants on Small Business Saturday and throughout the year.

CC Regular Session **5. 1.**

Meeting Date: 10/25/2022

By: Katie Schmidt, Administrative Services

Information

Title

Approve the Following Meeting Minutes:

1. City Council Work Session dated 10/11/2022
2. City Council Regular Session dated 10/11/2022

Purpose/Background:

Purpose: The purpose of this case is for Council review and approval of meeting minutes.

Background: Attached are the meeting minutes referenced above.

Recommendation:

Approve the meeting minutes.

Action:

Motion to approve the following Council meeting minutes:

1. City Council Work Session dated 10/11/2022
2. City Council Regular Session dated 10/11/2022

Attachments

10-11-22 CCWS

10-11-22 Mtg

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 10:38 AM
Form Started By: Katie Schmidt		Started On: 10/20/2022 08:41 AM
Final Approval Date: 10/20/2022		

CITY COUNCIL WORK SESSION
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a City Council Work Session on Tuesday, October 11, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Ryan Heineman (attended remotely)
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Also Present: City Administrator Brian Hagen
City Engineer/Interim Public Works Director Westby
Finance Director Diana Lund
Code Enforcement Officer Craig Swalchick
City Attorney Fritz Knaak

1. CALL TO ORDER

Mayor Kuzma called the City Council Work Session to order at 5:30 p.m.

2. TOPICS FOR DISCUSSION

2.01: Update on Issuance of $12M Reconstruction Bonds

Finance Director Lund gave an update on the issuance of the $12 million reconstruction bonds and stated a public hearing will be held during the City Council meeting later that evening. She shared the importance of November 15 is that there is another proposed interest increase in December that could cost the City an additional $500,000 in interest. The actual adoption and sale of the debt would take place on November 15, 2022, making this final.

There was a consensus of the Council.

2.02: Overview of Abatement Regulations and Process

Code Enforcement Officer Swalchick reviewed the staff report and gave an overview of the abatement regulations, processes and changes.

Mayor Kuzma asked about the habitual offenders.

Mr. Swalchick said that every community has habitual offenders and the result of this is administrative penalties and abatements; this part does not change. Education is the first line of defense.

Councilmember Riley asked about those people who state that they need more time to comply with the code enforcement and it is normally approved with the idea that work will be progressing. He asked if this changes. He also asked about putting notices on front doors and added that they should also be also put on the back door as some people do not use their front door.

Mr. Swalchick believed the allowance for a City official is only granted for a primary entrance. The notices can still be mailed or placed on the garage door.

Councilmember Howell asked about the high dollar amount of work done to remove these items.

Mr. Swalchick said those costs are what the company charges for everything involved in removals. He added that in some cases reaching out to Habitat for Humanity can help remove cost burdens for residents.

City Administrator Hagen added that part of this Code has a provision that if the owner wants to get rid of the removed item they can do so and not store it for 15 days.

Mr. Swalchick said there is also an option for disposal onsite by bringing a dumpster to the home and removing the item right away rather than having to pay to haul it off, store it, and then dispose of it.

Councilmember Musgrove asked about entry onto public and private places and if it should be added that these would not take place on weekends and holidays.

Mr. Swalchick said absolutely.

Councilmember Musgrove asked about the abated property storage and when the items are reclaimed by the property owner and are found to be in violation of the article and should be abated immediately by the City without the need to begin a new abatement process. She asked if a new abatement process does not begin, are there costs that would be recovered.

Mr. Swalchick explained that once the abatement is approved, the City is allowed to continue to remove these items and the fees have already been charged.

Councilmember Musgrove asked if the $750 charge continues even with these habitual offenders.

Mr. Swalchick stated these would be cited. He added most items actually get disposed of. He shared that if they take the items back and they are in violation again, he would not start another abatement process, rather he would just start the court process.

Councilmember Musgrove asked if it would be of value to add that verbiage.

Mr. Swalchick said it is throughout the ordinance but it can be added to this section.

Councilmember Musgrove gave her suggestions on the pronouns.

Councilmember Woestehoff likes the idea of these being teaching opportunities and agrees with Councilmember Howell in terms of the pricing. He asked about the timeline and flexibility of the inspection investigation over the abatement.

Mr. Swalchick stated that in the event of a hazardous material spill or a crime scene and a tough property owner that does not want to address the issue, the City needs to be able to fix this promptly.

Councilmember Musgrove asked if this Code Enforcement will be worked on weekends and holidays.

Mr. Swalchick said that is not ideal.

Councilmember Musgrove shared that a crime scene would have other people investigating a crime scene but not with a public safety concern.

Mr. Swalchick gave an example of a crime scene involving two deaths in an apartment building he had seen in another city and the property owner used a bottle of vinegar to clean up the mess. He said that this situation would require a professional cleaning service to come in and clean up the biohazard so the other residents can get back to their home.

There was a consensus of the Council.

2.03: Discuss Local Candidate Forums

City Administrator Hagen gave an update on information concerning candidate forums.

Councilmember Musgrove continued the discussion on the candidate forums and shared her concerns of communication and consistency.

Councilmember Specht asked if they planned to keep the forums closed.

Councilmember Riley shared that he had noted his displeasure with the forum being closed as the government should be open and they told him they intended to go back to regular meetings.

Mayor Kuzma stated he did not think it would hurt to send a letter and share that it would be the Council's preference that they have open meetings.

Councilmember Heineman agreed with Councilmember Riley and Mayor Kuzma and added that the letter should state that if the City Council chambers are being used for a debate forum, then it needs to be public.

Councilmember Woestehoff disagreed and said that as a City, they are not the first or second party in the debate and they are a venue to be utilized. He does not want to tell them that if City space is being used it has to be an open meeting.

Councilmember Heineman stated that the resident's best interests need to be in mind and if someone wants to use the City funded building then the public should be open. He asked City Administrator Hagen if there are other times a non-government entity has been allowed to use Council chambers as a venue and closed it off to the public.

City Administrator Hagen stated he did not know.

Councilmember Specht shared an example of a PACT Charter School meeting that had to be legally closed for an employment issue.

Councilmember Woestehoff asked if the League of Women Voters pay to rent the space.

City Administrator Hagen stated he did not know.

City Attorney Knaak stated there should be a policy in place for this.

Councilmember Woestehoff said rather than sending a letter, maybe a policy that covers this situation or another meeting that could be held in the Chambers.

Councilmember Musgrove asked if there were any policies that discuss rentals of the Chamber.

City Administrator Hagen stated there is a facility use and rental policy where this could be incorporated.

There was a consensus of the Council.

3. TOPICS FOR FUTURE DISCUSSION

3.01: Review Future Topics/Calendar

City Administrator Hagen discussed future topics and added the water treatment plant discussion to the list with the new project manager. He said this would go to the next work session, which currently has a full agenda. He requested that the discussion of future Happy Days be pulled and go to the work session in November. He asked if there were any other discussion ideas the Council was interested in.

Councilmember Specht shared that zoning for Armstrong Boulevard and Highway 10 and discussed there used to be a landscaping company here and one of the businesses owners from the building behind expressed interest in expanding but was unaware if it was zoned for expansion. He asked if this discussion can be had.

City Administrator Hagen said that everyone was happy with the existing zoning framework and asked if they wanted to expand some uses for the zoned area. He discussed The COR zone requirements.

Councilmember Howell asked if the non-conforming use was prior to the rezoning or after it was rezoned.

City Administrator Hagen shared that when something is rezoned they cannot just be kicked out, so it was from before the rezoning.

Councilmember Specht said he would like to have a discussion on this.

City Administrator Hagen stated that Staff is currently doing an overall review of the zoning ordinance to clean it up.

Mayor Kuzma asked if this should go to the Planning Commission then to the Council.

City Administrator Hagen said it would go to the Planning Commission for a public hearing and then Council.

Councilmember Woestehoff said his opinion on this has not changed and he would not like to rehash this. His idea was for the interested business to talk to the Planning Commission to figure out the next best step.

4. MAYOR / COUNCIL / STAFF INPUT

None.

5. ADJOURNMENT

The Work Session of the City Council was adjourned at 6:31 p.m.

Respectfully submitted,

_____
Brian S. Hagen
City Administrator

ATTEST:

_____
Katie M. Schmidt
City Clerk

Drafted by Ava Rokosz
TimeSaver Off Site Secretarial, Inc.

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CITY COUNCIL
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a regular meeting on Tuesday, October 11, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Ryan Heineman (attended remotely)
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Members Absent: None

Also Present: City Administrator Brian Hagen
City Engineer/Interim Public Works Superintendent Bruce Westby
Finance Director Diana Lund
Planning Manager Todd Larson
City Attorney Fritz Knaak

1. CALL TO ORDER

Mayor Kuzma called the regular meeting of the Ramsey City Council to order at 7:00 p.m., followed by the Pledge of Allegiance led by Mayor Kuzma.

2. PRESENTATION

None.

3. CITIZEN INPUT

None.

4. APPROVE AGENDA

Motion by Councilmember Musgrove, seconded by Councilmember Howell, to approve the agenda as presented.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye

Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

5. CONSENT AGENDA

Motion by Councilmember Riley, seconded by Councilmember Howell, to approve the following items on the Consent Agenda:

5.01: Receive August 2022 Financial Reports - General Fund and Enterprise Funds
5.02: Receive Cash & Investments for Period Ending September 30, 2022
5.03: Note the Following Boards, Commissions, and Committee Meeting Minutes:
- Economic Development Authority Dated August 11, 2022
- Parks and Recreation Commission August 11, 2022
- Planning Commission Meeting Minutes Dated August 25, 2022
- Public Works Committee Dated August 22, 2022

5.04: Approve the Following Meeting Minutes:
1. City Council Work Session dated 09/27/2022
2. City Council Regular Session dated 09/27/2022

5.05: Approve Business Licenses
5.06: Approve Rental Licenses
5.07: Authorization to Promote Two Police Patrol Officers to Police Patrol Sergeants
5.08: Authorization to Hire a Streets Maintenance Worker to Fill a Current Vacancy
5.09: Adopt Resolution #22-236 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of September 22, 2022 through October 5, 2022
5:10: Adopt Resolution #22-223 Approving the Development Agreement for Lil Explorers
5:11: Adopt Resolution #22-231 to Enter into a Residential Recycling Program Agreement with Anoka County
5:12: Adopt Resolution #22-234 Authorizing Minnesota State Active Transportation Infrastructure Grant Application for 161st Avenue Reconstruction, Improvement Project #23-01
5:13: Adopt Resolution #22-235 Authorizing Minnesota State Active Transportation Infrastructure Grant Application for 167th Avenue Reconstruction, Improvement Project #23-04

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye

Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

6. PUBLIC HEARING

6.01: Res. #22-237 Adopting a Street Reconstruction and Overlay Plan and Issuance of General Obligation Street Reconstruction Bonds and Res. #22-238 Providing Sale of $12,075,000 General Obligation Street Reconstruction Bonds, Series 2022A

Presentation

Finance Director Lund reviewed the staff report and gave an update in regard to the issuance of the street reconstruction bonds in the amount of $12,075,000. She added the City is recommending to proceed with the sale, with the sale date of the debt on November 15.

Councilmember Specht thanked Finance Director Lund for her work on this and noted it is great that the City is getting the roads caught up on.

Public Hearing

Mayor Kuzma called the public hearing to order at 7:07 p.m.

Citizen Input

There was none.

Motion by Councilmember Woestehoff, seconded by Councilmember Riley, to close the public hearing.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

The public hearing was closed at 7:07 p.m.

Council Business

Motion by Councilmember Woestehoff, seconded by Councilmember Specht, to Res. #22-237 Adopting a Street Reconstruction and Overlay Plan and Issuance of General Obligation Street Reconstruction Bonds and Res. #22-238 Providing Sale of $12,075,000 General Obligation Street Reconstruction Bonds, Series 2022A

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

7. COUNCIL BUSINESS

7.01: Thanking City of Ramsey Legislative Representatives

Councilmembers Howell and Musgrove reviewed the presentation and expressed their appreciation for Ramsey's legislative representatives, specifically Senator Abeler and Representative Heinrich and the work they have done for the City.

Councilmember Woestehoff thanked Councilmembers Howell and Musgrove for bringing this forward and agreed that Senator Abeler and Representative Heinrich have done great work for the City. He also wanted to point out that Senator Abeler was able to get other people to co-author the water treatment build.

7.02: Consider a conditional use permit for iDigital for a digital billboard at the northwest corner of Riverdale Drive and Traprock St. NW

Planning Manager Larson reviewed the staff report and Staff's recommendation to approve the conditional use permit for the billboard. He noted that the EDA recommended approval, while the Planning Commission failed to recommend approval with a 3-3 vote.

Councilmember Musgrove shared she was at the Planning Commission meeting where this was discussed and stated the Chairperson wanted her to share the concerns of information being conveyed by the property owner and the new City Code. She mentioned that the RALF properties were discussed as locations.

Planning Manager Larson said that was correct but the RALF fund properties are not truly owned by the City, rather owned on a loan, so if the billboard were to be placed on a RALF property, the loan would need to be bought out.

Paul Hilt, President of Business Development for iDigital, came forward and discussed the project. He was happy to answer any questions about the project.

Councilmember Musgrove asked if the revenue from the billboard lease will go into the general fund or the EDA.

City Administrator Hagen stated he did not know and was not sure if it had been discussed yet. He argued that it should go to the general City revenue since the land is owned by the City and not the EDA.

Councilmember Riley shared this started as a way for the EDA to help local businesses with the fact that most businesses do not have visual contact with the City through Highway 10.

Mayor Kuzma shared he was at the EDA meeting when this was first presented and asked if there would be a discounted rate for small businesses.

Mr. Hilt said yes and it has been put in the proposal that local businesses get a reduced rate and the ability to advertise on other open inventory at a reduced cost.

Councilmember Howell shared she is excited for this and thinks it is great for the local businesses.

Motion by Councilmember Howell, seconded by Councilmember Riley, to adopt Resolution #22-193 approving a Conditional Use Permit for a digital billboard at 7559 Riverdale Dr. NW.

Further discussion:

Councilmember Musgrove asked if a location needs to be designated to the east or the west.

Planning Manager Larson shared it will be at the east location proposed.

Councilmember Woestehoff stated he has been opposed to this billboard; however, there is no legal justification so he will be supporting the project. He asked about Staff's recommendation of the red and tan brick.

Mr. Hilt said they are open to all of that and shared that iDigital works closely with law enforcement.

Councilmember Heineman shared he was in the EDA when this came up and thinks this is a great move to benefit businesses in Ramsey.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

7.03: Introduce Ordinance #22-25 Pertaining to Mobile Food Units

Planning Manager Larson reviewed the staff report and recommendation to approve the ordinance for mobile food units.

Mayor Kuzma asked about private homeowners bringing food trucks to their homes and if it would have to be parked on grass.

Planning Manager Larson shared that a special event permit would waive these requirements.

Mayor Kuzma asked about what this would mean for Happy Days.

Planning Manager Larson shared this would also fall under the special event permit.

Councilmember Howell asked if there was a requirement for restaurants for 100-foot separation.

Planning Manager Larson stated there is no rule regarding that, unless it is a lease restriction, which are private matters.

Councilmember Howell asked if a restaurant owner wanted a food truck and it was less than 100 feet from another restaurant if that would be allowed.

Planning Manager Larson shared the restaurant would be able to waive the requirement.

Councilmember Howell shared she is concerned with the 100-foot separation if it is not a requirement for other restaurants in the City.

City Administrator Hagen stated the benefit of the 100-foot separation is that it shows support for the brick and mortar restaurants.

Councilmember Woestehoff shared the provision that states the need for written permission from the restaurant owner and added that this is often different than the property owner.

Planning Manager Larson said that a situation could arise where the restaurants feel threatened by a food truck.

Councilmember Musgrove asked if there was a reason that the second definition of a mobile food unit did not include the smoke trailer.

Planning Manager Larson stated he will fix this before the second reading.

Councilmember Musgrove asked about the cleanup requirements and asked if this included any oil and grease cleanup from the vehicles.

Planning Manager Larson shared the vehicles will need to be inspected by the Health Department and Anoka County to prevent that but he also made note of this question.

Councilmember Heineman shared he would usually agree with not being in favor of the 100-foot separation; however, the City should not interfere with outcomes. He thinks the 100-foot restrictions are reasonable.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to introduce Ordinance #22-25 modifying the City Code pertaining to mobile food units.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	nay
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

7.04: Introduce Ordinance #22-17 Amending the City Charter Prohibiting Membership on the Charter Commission of City Council Members

City Administrator Hagen reviewed the staff report and discussed this was last discussed earlier in the year. He noted that if Council chose to adopt this Ordinance and send it to the City Charter, the State statute would be subdivision 5.

Motion by Councilmember Woestehoff, seconded by Councilmember Howell, to introduce Ordinance #22-17 amending the City Charter prohibiting membership on the Charter Commission for City Council Members with the update on State statute.

Further discussion:

Councilmember Riley asked if this was the easy solution that was discussed previously.

City Administrator Hagen said the easiest solution was for the Charter to introduce this to the Council, Council would need to act on it, and if it is unanimously accepted it would go into effect after a referendum to the voters. If it is adopted right now, it goes to the Charter and then it would come back to Council to decide official language and ballot question language. He noted it is too late for this to go on this year's election.

Councilmember Howell asked if, since there is a policy in place, an application could be sent to the judge to sit on the Charter.

City Administrator Hagen said, technically, yes.

Councilmember Howell asked if this is urgent to get on the ballot if passed.

City Attorney Knaak stated it is up to the Council how this is handled.

Councilmember Woestehoff asked if the Council is bound by any timeline that says it has to be to the voters by a certain time.

City Attorney Knaak stated he does not believe there is a timeline.

Councilmember Woestehoff asked if Charter Commission could be compelled to take this up first then Council will address it.

Councilmember Woestehoff withdrew his motion.

Councilmember Musgrove asked what the process would be to get this to the Charter Commission.

City Administrator Hagen said he could find a way to point out to the Charter Commission that Council is encouraging this. If nothing is done and the Council does not seek a fast special election there would be time.

Councilmember Heineman asked if the Charter Commission initiated this and the Council voted, would this still go out as a referendum.

City Attorney Knaak said it is done and is enacted after 90 days, which is in a way a loophole.

Councilmember Heineman asked if this does not call for a special election if it would not cost anything since it would be added to a preexisting ballot.

City Attorney Knaak said that was correct.

Councilmember Heineman did not want to rush this decision and wanted to get this in front of voters.

Councilmember Specht agreed that the people could decide since there is no timeline.

Councilmember Riley thinks this should be tabled and sent to the Charter.

Motion by Councilmember Woestehoff, seconded by Councilmember Riley, to table this item until the November meeting.

Further discussion:

Councilmember Heineman asked if the motion to table fails, would the case continue.

City Attorney Knaak said if the motion to table fails the case must continue.

Councilmember Musgrove asked what the reason would be to table this until November.

Councilmember Woestehoff shared that the Charter Commission meets at the end of October.

A roll call vote was performed:

Councilmember Musgrove	nay
Councilmember Specht	nay
Councilmember Riley	aye
Councilmember Howell	nay
Councilmember Woestehoff	aye
Councilmember Heineman	nay
Mayor Kuzma	aye

Motion failed.

Motion by Councilmember Heineman, seconded by Councilmember Howell, to introduce Ordinance #22-17 amending the City Charter prohibiting membership on the Charter Commission for City Council Members with the update on State statute in subsection 5.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

7.05: Introduce Ordinance #22-26 Amending the City Charter Prohibiting Membership on City Boards and Commissions of Non-City of Ramsey Residents

City Administrator Hagen reviewed the staff report and stated the procedures are the same as the last case. He asked if this also applies to EDA members.

City Attorney Knaak stated the EDA is a separate authority and they are not excluded. He added if this is a concern it should be expressed in the motion.

Councilmember Woestehoff asked if this excludes any joint power agreement.

City Attorney Knaak said it does not and the clarification would be useful.

City Administrator Hagen added it would be beneficial to identify the boards or commissions that should be held to membership of City of Ramsey residents.

Councilmember Musgrove stated this Charter section is specifically for boards and commissions and asked if there is another section that talks about the EDA.

City Attorney Knaak said he did not think so.

Councilmember Musgrove shared she was also thinking about the Lower Rum River Water Management Organization and asked if these would not be appointed from the body.

Councilmember Specht asked if the idea is that the boards be opened up to other residents to ensure there are enough as well as having a vested interest in Ramsey.

City Administrator Hagen explained that State statute does not restrict residents to serve on the boards and the Charter is more restrictive. The Council does appoint members.

Councilmember Heineman shared his support of this with the exception of the joint powers agreement. He also shared he has an issue with letting non-resident business owners make decisions for Ramsey.

Councilmember Howell asked if this would include future boards.

City Attorney Knaak said yes if the language were set up that way.

Motion by Councilmember Woestehoff to table this item until the November meeting.

Further discussion:

Councilmember Howell asked if this should be passed tonight as the Charter Commission has a meeting coming up before the next Council meeting.

City Administrator Hagen asked if this could be introduced this evening while recognizing the verbiage will change before the final draft.

City Attorney Knaak said it could also be passed as is and trust the Charter Commission will make the suggested corrections.

Councilmember Heineman asked if this is passed being a little wordy, if the verbiage can be condensed prior to the second reading.

City Attorney Knaak stated the legislation is designed to give a lot of runs at these.

Councilmember Woestehoff withdrew his motion.

Motion by Councilmember Heineman, seconded by Councilmember Woestehoff, to introduce Ordinance #22-26 amending the City Charter prohibiting membership to City Boards and Commissions of non-City Ramsey residents, specifically to the Economic Development Authority, Environmental Policy Board, Parks and Recreation Commission, and Planning Commission, including future Boards and Commissions.

Further discussion:

Councilmember Specht asked if there are currently any non-residents serving on these boards or commissions.

City Administrator Hagen said that his understanding is that all current board and commission members are Ramsey Residents.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

8. MAYOR, COUNCIL AND STAFF INPUT

City Administrator Hagen announced upcoming meetings and events. He added the Bowers Drive intersection with Highway 10 is being removed beginning this week. He noted the two fire station open houses, at Fire Station #1 this evening and Fire Station #2 is on Thursday.

Mayor Kuzma mentioned there is open voting at the City.

Councilmember Heineman shared he was able to vote absentee and everything can be done easily online.

9. ADJOURNMENT

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to adjourn the meeting.

A roll call vote was performed:

Councilmember Musgrove	aye
Councilmember Specht	aye
Councilmember Riley	aye
Councilmember Howell	aye
Councilmember Woestehoff	aye
Councilmember Heineman	aye
Mayor Kuzma	aye

Motion carried.

The regular meeting of the City Council adjourned at 8:17 p.m.

Respectfully submitted,

_____
Brian S. Hagen
City Administrator

ATTEST:

_____
Katie M. Schmidt
City Clerk

Drafted by Ava Rokosz
TimeSaver Off Site Secretarial, Inc.

CC Regular Session **5. 2.**

Meeting Date: 10/25/2022

Submitted For: Sean Sullivan, Community Development

By: Wendy Schlueter, Community Development

Information

Title

Approve Business Licenses

Purpose/Background:

The purpose of this case is to obtain City Council approval of business license requests (not including Rental or BRC).

Background: Certain businesses in the City of Ramsey are required to apply for a business license in addition to the Business Registration Certificate (BRC). Other businesses that may require a license, but are not required to have a BRC, may also be included in this approval. Those new license requests and/or renewals are attached for City Council approval.

Recommendation:

Staff recommends approval of business license applications contingent upon completion and approval of background checks or review by required city departments.

Action:

Motion to approve the attached business license applications contingent upon completion and approval of background checks or review by required city departments.

Attachments

Business License Applications

Form Review

Inbox	Reviewed By	Date
Sean Sullivan	Sean Sullivan	10/19/2022 10:39 AM
Brian Hagen	Brian Hagen	10/20/2022 10:32 AM
Form Started By: Wendy Schlueter		Started On: 10/18/2022 09:58 AM
Final Approval Date: 10/20/2022		

Report Name: License Report - License Types
Council Dates: 10/25/2022 to 10/25/2022
Status: Active, Inactive
License Type(s): 3.2 Beer Off-Sale, 3.2 Beer On-Sale Temporary, Liquor 2 A.M. Closing, Liquor Off-Sale, Liquor On-Sale, Liquor On-Sale Sunday, Temporary Intoxicating, Wine On-Sale, Amusement Center, Amusement Devices/Billiard Tables, Business License-1st Year, Business License-Renewal, Garbage Haulers, Pawnbroker, Second Hand Goods Dealer, Special Events, Temporary Amusement/Carnival/Circus, Therapeutic Massage Establishment, Therapeutic Massage Therapist, Tobacco, Transient Merchant/Peddler/Solicitor

City of Ramsey
License Report - License Types

Company	Applicant	Location	Complex	Exp. Date	Council Date	Status
Transient Merchant/Peddler/Solicitor						
Stay 4 Pizza	Jody Lynn Stay	7333 Sunwood Dr NW	NAU Country Insur	12/31/2022	10/25/2022	A

Transient Merchant/Peddler/Solicitor License Count: 1

Total Licenses: 1

CC Regular Session **5. 3.**

Meeting Date: 10/25/2022

Submitted For: Dana Verbeek, Community Development

By: Dana Verbeek, Community Development

Information

Title:

Approve Rental Licenses

Purpose/Background:

Purpose: The purpose of this case is to approve rental license requests for 2022.

Background: Detached Single-Family Homes and Attached Single-Family Homes (townhomes, duplexes, etc.) are required to obtain a license (registration), but are not subject to inspections (unless the City has sufficient evidence of a violation of City Code).

Multi-Family Units (apartments, condos, etc.) are subject to the license and inspection program as required by code.

License application requests are attached for Council approval.

Recommendation:

Staff recommends approval of license applications.

Outcome/Action:

Motion to approve rental license applications.

Attachments

Rental Licenses

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 10:32 AM
Form Started By: Dana Verbeek		Started On: 10/18/2022 09:21 AM
Final Approval Date: 10/20/2022		

City of Ramsey
Business Search

ID	Company	DBA	License #	License Type	Status	Issued	Expires	Address	Complex	Council
2112	Elmira Marsh		00011048	Rental	A	10/26/2022	10/28/2025	14190 Xenon St NW #2		10/25/2022

CC Regular Session **5. 4.**

Meeting Date: 10/25/2022

By: Jason Fredrickson, Finance

Information

Title

Approve Request to Declare Surplus Property

Purpose/Background:

Staff is requesting Council declare the following property surplus and authorize sale/disposal of same:

Servers:

- Hp ProLiant DL380 G6
  - SN: USE027NBQ5
- ?Hp ProLiant DL380 G6
  - SN: USE027NBQ6
- Hp ProLiant DL380 G6
  - SN: USE027NBQ7
- Hp ProLiant DL380 G7
  - ?SN: USE136N8X2
- Hp ProLiant DL320e Gen 8
  - ?SN: MX240600JV
- Hp ProLiant DL380e Gen 8
  - SN: MXQ3430BNG
- Oracle Sun Sever X4-2L
  - SN: 1428NM508Q

All servers listed met their estimated useful life around or during 2019 when the city converted to a hybrid virtual server environment. All city data has been erased from said servers.

Funding Source:

N/A

Recommendation:

Staff recommends Council declare the above servers as surplus and authorize their sale/auction/disposal of same.

Action:

Motion to declare the follow items as surplus and authorize their sale/auction/disposal of same:

- Hp ProLiant DL380 G6
  - SN: USE027NBQ5
- ?Hp ProLiant DL380 G6
  - SN: USE027NBQ6
- Hp ProLiant DL380 G6
  - SN: USE027NBQ7
- Hp ProLiant DL380 G7
  - ?SN: USE136N8X2
- Hp ProLiant DL320e Gen 8
  - ?SN: MX240600JV
- Hp ProLiant DL380e Gen 8
  - SN: MXQ3430BNG

- Oracle Sun Sever X4-2L
  - SN: 1428NM508Q

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Diana Lund	Diana Lund	10/14/2022 06:53 AM
Brian Hagen	Brian Hagen	10/20/2022 09:56 AM
Form Started By: Jason Fredrickson		Started On: 10/13/2022 01:24 PM
Final Approval Date: 10/20/2022		

CC Regular Session **5. 5.**

Meeting Date: 10/25/2022

By: Colleen Lasher, Administrative Services

Information

Title:

Approve Dental Insurance Renewal

Purpose/Background:

The purpose of this case is for the City Council to Approve Renewing the City's dental plan with Delta Dental.

The City of Ramsey has been with Delta Dental since at least 2007. Delta Dental has been good to work with and staff have not received complaints regarding the services. The last dental increase was in 2016 when the rate went from $32.15 to $33.45 for single coverage. Last month staff received the renewal for 2023 and the renewal came in at an overall increase of 5.65%, as follows:

	Current Rates	Renewal Rates Eff. 01-01-2023
Employee Only	**$ 33.45**	**$ 37.84**
Employee + Spouse	$ 82.20	$ 75.68
Employee + Child(ren)	$ 134.35	$ 112.54
Family	$ 134.35	$ 146.40

The City covers the single premium in full as provided for in the four union contracts and the Personnel Policy. Based on current enrollment of 75 employees, the additional costs to cover the increase to the single premium is $3,951 for the year. When the renewal was received, the City's benefits broker, Gallagher Benefits Services, was still awaiting the results of the City's dental RFP. Staff met with Gallagher Benefits on Thursday, October 6th to learn the details of the RFP which was 3 business days prior to open enrollment.

While the bids received from the RFP process showed some financial savings, given the timing of open enrollment and when factoring in the disruption to providers that employees have access to, changes in benefit coverages, and administrative cost of switching carriers, the potential for net savings is greatly reduced. As of the date of this writing, 30 of the City's 90 benefit eligible employees have submitted their 2023 elections. Therefore, staff believes that remaining with the current dental plan through Delta Dental through 2023 best meets the City and employee needs.

Funding Source:

The additional funding required is estimated to be approximately $3951 and will be accounted for within the 2023 budget.

Recommendation:

To renew coverage with Delta Dental through 2023 and seek updated proposals from dental carriers well ahead next fall's open enrollment.

Outcome/Action:

Motion to approve the following:
1) Direct staff to renew the Delta Dental policy for the calendar year of January 1, 2023 through December 31, 2023; and
2) Direct staff to seek updated dental proposals in preparation for 2024 benefits.

Attachments

Marketing Presentation Dental Insurance

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 02:56 PM
Form Started By: Colleen Lasher		Started On: 10/17/2022 08:30 AM
Final Approval Date: 10/20/2022		

City of Ramsey
Dental Renewal – Marketing

January 1, 2023

Gallagher

Insurance | Risk Management | Consulting

Dental Renewal – Marketing Results

2023

City of Ramsey
Dental Renewal and Marketing Summary Annual Costs
2023

Providers	Delta Dental MN	Sun Life Plan 1	Sun Life Plan 2	Met Life	Guardian Plan 1	Guardian Plan 2	Principal	HealthPartners Dental Distinctions Plan 3	HealthPartners Dental Distinctions Plan 2	HealthPartners Dental Distinctions Plan 1	Lincoln Financial
Current	$49,315										
Renewal/Marketing offer	$52,102	$35,981	$38,908	$40,022	$39,412	$44,701	$42,689	$44,543	$47,421	$50,282	$51,094
Change from Current $	$2,788	-$13,334	-$10,407	-$9,292	-$9,902	-$4,614	-$6,625	-$4,772	-$1,894	$968	$1,779
Change from Current %	5.65%	-27.04%	-21.10%	-18.84%	-20.08%	-9.36%	-13.43%	-9.68%	-3.84%	1.96%	3.61%
Change from Renewal $		-$16,121	-$13,194	-$12,080	-$12,690	-$7,402	-$9,413	-$7,560	-$4,681	-$1,820	-$1,009
Change from Renewal %		-30.94%	-25.32%	-23.18%	-24.36%	-14.21%	-18.07%	-14.51%	-8.98%	-3.49%	-1.94%
Rate Guarantee	1 year	1 year	2 year cap not to exceed 7%	2 year cap not to exceed 6%	1 year	2 year	2 year	2 year	2 year	2 year	2 year

To follow are rates and benefit comparisons for Delta Dental and the most competitive financial offers:

- Sun Life
- Met Life
- Guardian
- Principal
- HealthPartners plans 2 & 3

Dental Renewal

2023 Delta Dental Benefits

Dental | Fully-Insured Renewal | Effective 01/01/2023

	CURRENT		RENEWAL	
Carrier Name	Delta Dental of Minnesota		Delta Dental of Minnesota	
Plan Name	Dental Flex Plan		Dental Flex Plan	
PLAN DESIGN*				
Network	INN [Delta Dental PPO]	INN [Delta Dental Premier]	INN [Delta Dental PPO]	OON
Calendar Year (CY) Deductible (Individual / Family)	$50 / $150	$50 / $150	$50 / $150	$50 / $150
Annual Maximum	$1,500	$1,500	$1,500	$1,500
Annual Maximum Provision				
Coinsurance				
Preventive Services	100%	80%	100%	80%
Periodontal Maintenance	100%	80%		
Cleaning Frequency	2 times per year	2 times per year	2 times per year	2 times per year
Deductible Waived?	Yes	Yes	Yes	Yes
Basic	80%	50%	80%	50%
Periodontics	50%	50%	50%	50%
Endodontics	50%	50%	50%	50%
Major	50%	50%	50%	50%
Implants	Not Covered	Not Covered	Not Covered	Not Covered
Orthodontics	50%	50%	50%	50%
Maximum Age	To age 19	To age 19	To age 19	To age 19
Deductible	No	No	No	No
Lifetime Max	$1,500	$1,500	$1,000	$1,000
Ortho Waiting Period	12 month	12 months	12 months	12 months
OON Reimbursement Level	Dentist Fee		Dentist Fee	

**NOTE: Benefit deviations from Current are identified in blue font*

***Exclusions/limitations may apply*

Notes and Assumptions

Delta Dental Flex Plan has Benefit Waiting Periods:

Benefit Waiting Period – There is a 6-month waiting period for certain services. Endodontic Services, Periodontics Services, Extractions, and TMD Treatment will not be covered until after a person is enrolled in the dental plan for 6 consecutive months. Crown Repair, Major Restorative Services, Other Basic Services, Relines and Repairs, Prosthodontic Services, and Orthodontic Services will not be covered until after a person is enrolled in the dental plan for 12 consecutive months.

Dental Renewal

2023 Delta Dental Rates

Dental | Fully-Insured Renewal | Effective 01/01/2023

		CURRENT	RENEWAL	
Carrier Name		Delta Dental of Minnesota	Delta Dental of Minnesota	
COST ANALYSIS				
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan	Dental Flex Plan	
Employee (EE) Only	55	$33.45	$37.84	
EE + Spouse/EE + 1	8	$82.20	$75.68	
EE + Child(ren)	3	$134.35	$112.54	
EE + Family	9	$134.35	$146.40	
Total Combined Annual Cost				
Estimated Annual Premium		**$49,315**	**$52,102**	
Dollar Difference from Current			**$2,788**	
Percent Change from Current			**5.65%**	
City of Ramsey Contributions				
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan	Dental Flex Plan	
Employee (EE) Only	55	$33.45	$37.84	
EE + Spouse/EE + 1	8	$33.45	$37.84	
EE + Child(ren)	3	$33.45	$37.84	
EE + Family	9	$33.45	$37.84	
Estimated Annual Premium		$30,105	$34.056	
Dollar Difference from Current			**$3,951**	
Percent Change from Current			**13.12%**	
Employee Contributions				**Change to EE Cost**
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan	Dental Flex Plan	Dental Flex Plan
Employee (EE) Only	55	$0.00	$0.00	$0.00
EE + Spouse/EE + 1	8	$48.75	$37.84	-$10.91
EE + Child(ren)	3	$100.90	$74.70	-$26.20
EE + Family	9	$100.90	$108.56	$7.66
Estimated Annual Premium		**$19,210**	**$18,046**	
Dollar Difference from Current			**-$1,163**	
Percent Change from Current			**-6.06%**	

Dental Census information - Three Tier
Single =55
Single + Spouse =10
Family = 10

Delta Dental observation – Orthodontic benefit is reducing from $1,500 to $1,000
Renewal = 5.65% with City taking on majority of costs

Dental Renewal – Marketing Results

2023 Sun Life Versus Delta Dental

Dental | Fully-Insured Market Options | Effective 01/01/2023

		CURRENT			MARKET OPTION 8	
Carrier Name		Delta Dental of Minnesota			Sun Life	
Plan Name		Dental Flex Plan			PPO	
PLAN DESIGN*						
Network		INN [Delta Dental Premier]	INN [Delta Dental Premier]	OON	INN Sun Life Dental Network	OON
Calendar Year (CY) Deductible (Individual / Family)		$50 / $150	$50 / $150	$50 / $150	$50/$150	$50/$150
Annual Maximum		$1,500	$1,500	$1,500	$1,500	$1,500
Annual Maximum Provision		No	No	No	No	No
Coinsurance						
Preventive Services		100%	80%	80%	100%	80%
Periodontal Maintenance		100%	80%	80%	100%	80%
Cleaning Frequency		2 times per year	2 times per year	2 times per year	2 per year (6 months)	2 per year (6 months)
Deductible Waived?		Yes	Yes	Yes	Yes	Yes
Basic		80%	50%	50%	80%	50%
Periodontics		50%	50%	50%	50%	50%
Endodontics		50%	50%	50%	50%	50%
Major		50%	50%	50%	50%	50%
Implants		Not Covered	Not Covered	Not Covered	Not Covered	Not Covered
Orthodontics		50%	50%	50%		
Maximum Age		To age 19	To age 19	To age 19	To Age 26 (FT Student)	To age 26 (FT Student)
Deductible		No	No	No	No	No
Lifetime Max		$1,500	$1,500	$1,500	$1,500	$1,500
Ortho Waiting Period		12 month	12 months	12 months	12 months	12 months
OON Reimbursement Level		Dentist Fee			90th Percentile	
COST ANALYSIS						
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan			PPO	
Employee (EE) Only	55	$33.45			$25.04	$27.08
EE + Spouse/EE + 1	8	$82.20			$61.54	$66.54
EE + Child(ren)	3	$134.35			$100.58	$108.75
EE + Family	9	$134.35			$100.58	$108.75
Total Enrollment	75					
Estimated Annual Premium		$49,315			$35,981	$38,908
Dollar Difference from Current					-$13,334	-$10,407
Percent Change from Current					-27.04%	-21.10%
PLAN PROVISIONS						
Rate Guarantee		1 Year rate guarantee ending 12/31/2022			1 year rate guarantee	
Eligibility		FTE 30HRS/WK			FTE 30HRS/WK	

**NOTE: Benefit deviations from Current are identified in blue font*

***Exclusions/limitations may apply*

Notes and Assumptions

Sun Life

Benefit Waiting Periods

- A Benefit Waiting Period of 12 months for Type IV Orthodontic Services applies to all dependents who enroll in this dental plan within 31 days of becoming eligible.
- A Late Entrant Benefit Waiting Period of 6 months for Type II Basic Restorations, 12 months for all other Type II Basic Services, and 12 months for Type III Major Services will apply to employees who enroll in this dental plan more than 31 days after becoming eligible.
- A Late Entrant Benefit Waiting Period of 12 months for Type IV Orthodontic Services will apply to employees who enroll in this dental plan more than 31 days after becoming eligible.

Dental Renewal – Marketing Results

2023 Sun Life

- Sun Life Financial (go2dental.com)

Dental Renewal – Marketing Results

2023 MetLife versus Delta Dental

Dental | Fully-Insured Market Options | Effective 01/01/2023

		CURRENT			MARKET OPTION 1	
Carrier Name		Delta Dental of Minnesota			MetLife	
Plan Name		Dental Flex Plan			Dental Option 1	
PLAN DESIGN*						
Network		INN [Delta Dental Premier]	INN [Delta Dental Premier]	OON	INN	OON
Calendar Year (CY) Deductible (Individual / Family)		$50 / $150	$50 / $150	$50 / $150	$50 / $150	$50 / $150
Annual Maximum		$1,500	$1,500	$1,500	$1,500	$1,500
Coinsurance						
Preventive Services		100%	80%	80%	100%	80%
Periodontal Maintenance		100%	80%	80%	100%	80%
Cleaning Frequency		2 per year	2 per year	2 per year	1 time in 6 months	1 time in 6 months
Deductible Waived?		Yes	Yes	Yes	Yes	Yes
Basic		80%	50%	50%	80%	50%
Periodontics		50%	50%	50%	50%	50%
Endodontics		50%	50%	50%	50%	50%
Major		50%	50%	50%	50%	50%
Implants		Not Covered	Not Covered	Not Covered	50%	50%
Orthodontics		50%	50%	50%	50%	50%
Maximum Age		To age 19	To age 19	To age 19	To age 19	To age 19
Deductible		No	No	No	No	No
Lifetime Max		$1,500	$1,500	$1,500	$1,500	$1,500
Ortho Waiting Period		12 month	12 months	12 months	N/A	N/A
OON Reimbursement Level					90th Percentile R&C	
COST ANALYSIS						
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan			Dental Option 1	
Employee (EE) Only	55	$33.45			$30.50	
EE + Spouse/EE + 1	8	$82.20			$59.94	
EE + Child(ren)	3	$134.35			$105.83	
EE + Family	9	$134.35			$105.83	
Total Enrollment	75					
Estimated Annual Premium		$49,315			$40,022	
Dollar Difference from Current					-$9,292	
Percent Change from Current					-18.84%	

NOTE: Benefit deviations from Current are identified in blue font

***Exclusions/limitations may apply*

Notes and Assumptions

Met Life offer does not include waiting periods

Dental Renewal – Marketing Results

2023 MetLife

- Provider Link for MetLife
  - Dental Insurance Plans: Healthy Smiles Ahead | MetLife
  - find a dentist
  - PDP Plus
- GEO Access Report
  - 92.6% of members on the census have 2 General/Family Dentistry providers within 10 miles.
  - Specialist Access is 2 providers within 10 miles which is 88% of the member census.
- Rate Cap of 6% for 2024

Dental Renewal – Benefit Comparison

2023 Guardian Versus Delta Dental

Dental | Fully-Insured Market Options | Effective 01/01/2023

		CURRENT			MARKET OPTION 9		MARKET OPTION 10	
Carrier Name		Delta Dental of Minnesota			Guardian		Guardian	
Plan Name		Dental Flex Plan			Plan 1		Plan 2	
PLAN DESIGN*								
Network		INN [Delta Dental Premier]	INN [Delta Dental Premier]	OON	INN Dental Guard Preferred	OON	INN Dental Guard Preferred	OON
Calendar Year (CY) Deductible (Individual / Family)		$50 / $150	$50 / $150	$50 / $150	$50/$150	$50/ $150	$50/$150	$50/ $150
Annual Maximum		$1,500	$1,500	$1,500	$1,500 plus Maximum Rollover	$1,500 plus Maximum Rollover	$1,500 plus Maximum Rollover	$1,500 plus Maximum Rollover
Annual Maximum Provision		No	No	No	Yes	Yes	Yes	Yes
Coinsurance								
Preventive Services		100%	80%	80%	100%	80%	100%	80%
Periodontal Maintenance		100%	80%	80%	100%	80%	100%	80%
Cleaning Frequency		2 times per year	2 times per year	2 times per year	2 per year (6 months)	2 per year (6 months)	2 per year (6 months)	2 per year (6 months)
Deductible Waived?		Yes	Yes	Yes	Yes	Yes	Yes	Yes
Basic		80%	50%	50%	80%	80%	80%	80%
Periodontics		50%	50%	50%	50%	50%	50%	50%
Endodontics		50%	50%	50%	50%	50%	50%	50%
Major		50%	50%	50%	50%	50%	50%	50%
Implants		Not Covered	Not Covered	Not Covered	Not Covered	Not Covered	Not Covered	Not Covered
Orthodontics		50%	50%	50%	50%	50%	**50%**	**50%**
Maximum Age		To age 19	To age 19	To age 19	To age 26	To age 26	To age 26	To age 26
Deductible		No	No	No	No	No	No	No
Lifetime Max		$1,500	$1,500	$1,500	$1,500	$1,500	$1,500	$1,500
Ortho Waiting Period		12 month	12 months	12 months	None	None	None	None
OON Reimbursement Level		Dentist Fee			90th Percentile		90th Percentile	
COST ANALYSIS								
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan			Plan 1		Plan 2	
Employee (EE) Only	55	$33.45			$27.43		$31.11	
EE + Spouse/EE + 1	8	$82.20			$67.40		$76.45	
EE + Child(ren)	3	$134.35			$110.17		$124.95	
EE + Family	9	$134.35			$110.17		$124.95	
Total Enrollment	**75**							
Estimated Annual Premium		**$49,315**			**$39,412**		**$44,701**	
Dollar Difference from Current					**-$9,902**		**-$2,720**	
Percent Change from Current					**-20.08%**		**-5.74%**	
PLAN PROVISIONS								
Rate Guarantee		1 Year rate guarantee ending 12/31/2022			1 year rate guarantee		2 year rate guarantee	
Eligibility		FTE 30HRS/WK			FTE 30HRS/WK		FTE 30HRS/WK	

**NOTE: Benefit deviations from Current are identified in blue font*

***Exclusions/limitations may apply*

Notes and Assumptions

Guardian - No waiting periods

Dental Renewal – Marketing Results

2023 Guardian

- Provider Link for Guardian
  - Find a Dentist (guardiananytime.com)
  - Dental Guard Preferred
- GEO Access Report
  - 93.5% of members on the census have 3 providers within 10 miles
- Guardian Dental Maximum Rollover
  - With Maximum Rollover, we'll roll over a portion of each DentalGuard member's unused annual maximum into their personal Maximum Rollover Account (MRA). The MRA can be used in future years if a member reaches the plan's annual maximum. If a member uses the services of preferred providers exclusively during the benefit year, we'll increase the amount credited to his or her MRA.
  - To qualify, a member must have a paid claim (not just a visit) and must not have exceeded the paid claims threshold during the benefit year.
  - Each member's MRA may not exceed the MRA limit.

Dental Renewal – Marketing Results

2023 Principal versus Delta Dental

Dental | Fully-Insured Market Options | Effective 01/01/2023

		CURRENT			MARKET OPTION 4	
Carrier Name		Delta Dental of Minnesota			Principal	
Plan Name		Dental Flex Plan			Dental PPO	
PLAN DESIGN*						
Network		INN [Delta Dental Premier]	INN [Delta Dental Premier]	OON	INN [PPO Network]	OON
Calendar Year (CY) Deductible (Individual / Family)		$50 / $150	$50 / $150	$50 / $150	$50 / $150	$50 / $150
Annual Maximum		$1,500	$1,500	$1,500	$1,500	$1,500
Annual Maximum Provision		No	No	No	50% to max $1,000	50% to max $1,000
Coinsurance						
Preventive Services		100%	80%	80%	100%	80%
Periodontal Maintenance		100%	80%	80%	100%	80%
Cleaning Frequency		2 times per year	2 times per year	2 times per year	2 per calendar year	2 per calendar year
Deductible Waived?		Yes	Yes	Yes	Yes	Yes
Basic		80%	50%	50%	80%	50%
Periodontics		50%	50%	50%	50%	50%
Endodontics		50%	50%	50%	50%	50%
Major		50%	50%	50%	50%	50%
Implants		Not Covered	Not Covered	Not Covered	Not Covered	Not Covered
Orthodontics		50%	50%	50%	50%	50%
Maximum Age		To age 19	To age 19	To age 19	To age 19	To age 19
Deductible		No	No	No	No	No
Lifetime Max		$1,500	$1,500	$1,500	$1,500	$1,500
Ortho Waiting Period		12 month	12 months	12 months	None	None
OON Reimbursement Level		Dentist Fee			90th percentile	
COST ANALYSIS						
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan			Dental PPO	
Employee (EE) Only	55	$33.45			$29.71	
EE + Spouse/EE + 1	8	$82.20			$73.01	
EE + Child(ren)	3	$134.35			$119.33	
EE + Family	9	$134.35			$119.33	
Estimated Annual Premium		**$49,315**			**$42,689**	
Dollar Difference from Current					**-$6,625**	
Percent Change from Current					**-13.43%**	

**NOTE: Benefit deviations from Current are identified in blue font*

***Exclusions/limitations may apply*

Notes and Assumptions

Principal has one additional routine or periodontal cleaning for expectant mother, diabetics and those with heart disease

Principal does not have waiting periods on their plan offering

Dental Renewal – Marketing Results

2023 Principal

- Find a dentist | Principal

- GEO Access Report
  - 100% of members on the census have access to 3 general dentists within 2 miles
  - 95.4% of members on the census have access to 3 specialist within 2.1 miles

- Principal Maximum Accumulation
  - If your dental benefits paid are less than 50% of your annual maximum, you can roll over 25% and accumulate up to1x your annual maximum. The amount accumulated is added to your annual maximum for the next year.

Dental Renewal – Marketing Results

2023 HealthPartners Distinctions Plan 3 versus Delta Dental

Dental | Fully-Insured Market Options | Effective 01/01/2023

	CURRENT			MARKET OPTION 6		
Carrier Name	Delta Dental of Minnesota			HealthPartners Inc		
Plan Name	Dental Flex Plan			Dental Distinctions 3 Plan		
PLAN DESIGN*						
Network	INN [Delta Dental Premier]	INN [Delta Dental Premier]	OON	INN [BENEFIT LEVEL 1]	INN [BENEFIT LEVEL 2]	OON
Calendar Year (CY) Deductible (Individual / Family)	$50 / $150	$50 / $150	$50 / $150	$25 / $75	$50 / $150	$50 / $150
Annual Maximum	$1,500	$1,500	$1,500	$1,500	$1,000	$750
Annual Maximum Provision	No	No	No	No	No	No
Coinsurance						
Preventive Services	100%	80%	80%	100%	100%	100%
Periodontal Maintenance	100%	80%	80%	100%	100%	100%
Cleaning Frequency	2 times per year	2 times per year	2 times per year	2 times per year	2 times per year	2 times per year
Deductible Waived?	Yes	Yes	Yes	Yes	Yes	Yes
Basic	80%	50%	50%	80% (Amalgam fillings: 100%)	80%	50%
Periodontics	50%	50%	50%	80%	50%	50%
Endodontics	50%	50%	50%	80%	50%	50%
Major	50%	50%	50%	50%	50%	0%
Implants	Not Covered	Not Covered	Not Covered	50%	50%	0%
Orthodontics	50%	50%	50%	50%	50%	50%
Maximum Age	To age 19	To age 19	To age 19	To age 19	To age 19	To age 19
Deductible	No	No	No	No	No	No
Lifetime Max	$1,500	$1,500	$1,500	$1,000	$1,000	$750
Ortho Waiting Period	12 month	12 months	12 months	None	None	None
OON Reimbursement Level	Dentist Fee			Maximum Allowable		
COST ANALYSIS						
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan		Dental Distinctions 3 Plan		
Employee (EE) Only	55	$33.45		$33.72		
EE + Spouse/EE + 1	8	$82.20		$72.12		
EE + Child(ren)	3	$134.35		$113.61		
EE + Family	9	$134.35		$113.61		
Estimated Annual Premium		**$49,315**		**$44,543**		
Dollar Difference from Current				**-$4,772**		
Percent Change from Current				**-9.68%**		

**NOTE: Benefit deviations from Current are identified in blue font*

***Exclusions/limitations may apply*

Notes and Assumptions

HealthPartners Benefit Level 1 provider feature HealthPartners Dental Group & Park Dental

HealthPartners Benefit Level 2 providers Open Access Network

Dental Renewal – Marketing Results

2023 HealthPartners Distinctions Plan 2 versus Delta Dental

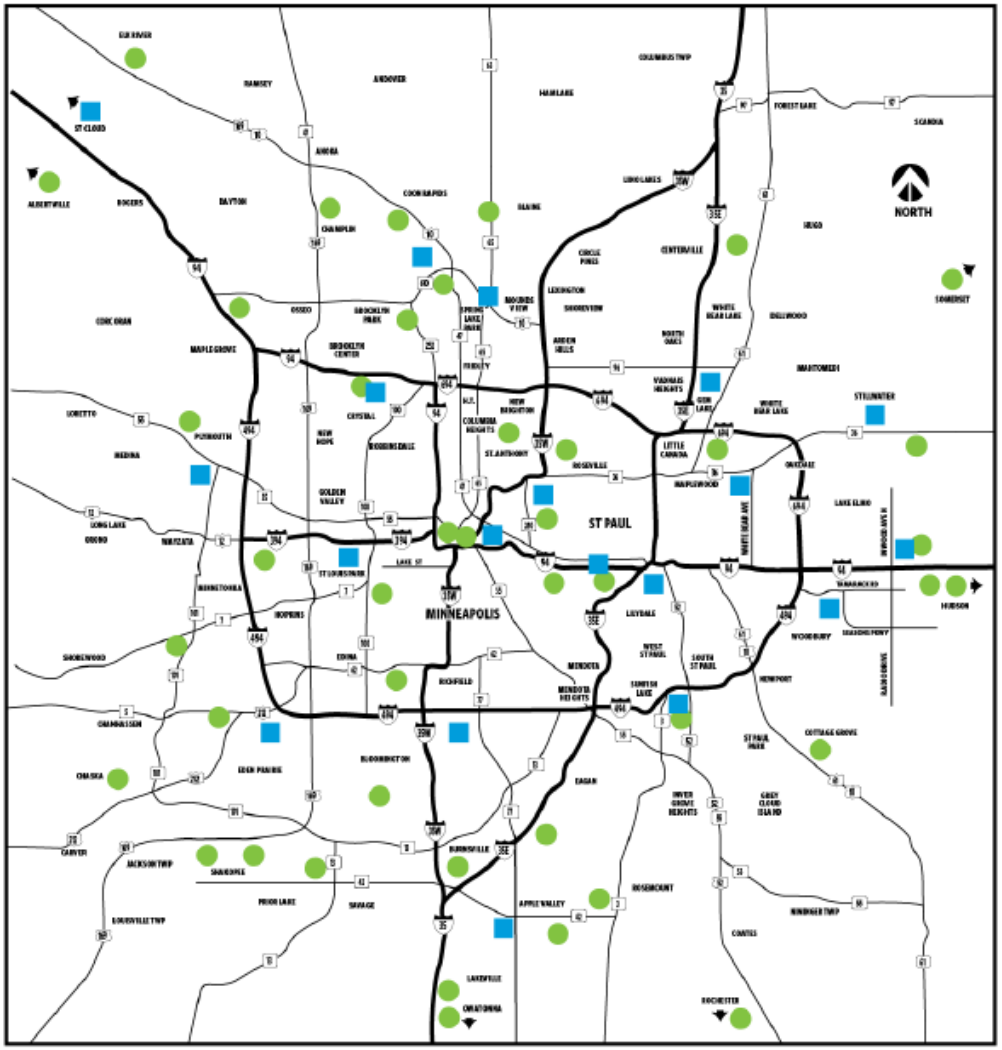
Dental | Fully-Insured Market Options | Effective 01/01/2023

	CURRENT			MARKET OPTION 7		
Carrier Name	Delta Dental of Minnesota			HealthPartners Inc		
Plan Name	Dental Flex Plan			Dental Distinctions 2 Plan		
PLAN DESIGN*						
Network	INN [Delta Dental Premier]	INN [Delta Dental Premier]	OON	INN [BENEFIT LEVEL 1]	INN [BENEFIT LEVEL 2]	OON
Calendar Year (CY) Deductible (Individual / Family)	$50 / $150	$50 / $150	$50 / $150	$0 / $0	$25 / $75	$50 / $150
Annual Maximum	$1,500	$1,500	$1,500	$2,000	$1,000	$750
Annual Maximum Provision	No	No	No	No	No	No
Coinsurance						
Preventive Services	100%	80%	80%	100%	100%	100%
Periodontal Maintenance	100%	80%	80%	100%	100%	100%
Cleaning Frequency	2 times per year	2 times per year	2 times per year	2 times per year	2 times per year	2 times year
Deductible Waived?	Yes	Yes	Yes	Yes	Yes	Yes
Basic	80%	50%	50%	80% (Amalgam fillings: 100%)	80%	50%
Periodontics	50%	50%	50%	80%	80%	50%
Endodontics	50%	50%	50%	80%	80%	50%
Major	50%	50%	50%	50%	50%	50%
Implants	Not Covered	Not Covered	Not Covered	50%	50%	50%
Orthodontics	50%	50%	50%	50%	50%	50%
Maximum Age	To age 19	To age 19	To age 19	To age 19	To age 19	To age 19
Deductible	No	No	No	No	No	No
Lifetime Max	$1,500	$1,500	$1,500	$1,000	$1,000	$750
Ortho Waiting Period	12 month	12 months	12 months	None	None	None
OON Reimbursement Level	Dentist Fee			Maximum Allowable		
COST ANALYSIS						
PEPM Rates - Enrollment per AMP	Plan 1	Dental Flex Plan		Dental Distinctions 2 Plan		
Employee (EE) Only	55	$33.45		$36.01		
EE + Spouse/EE + 1	8	$82.20		$76.67		
EE + Child(ren)	3	$134.35		$120.45		
EE + Family	9	$134.35		$120.45		
Total Enrollment	75					
Estimated Annual Premium		$49,315		$47,421		
Dollar Difference from Current				-$1,894		
Percent Change from Current				-3.84%		
PLAN PROVISIONS						
Rate Guarantee		1 Year rate guarantee ending 12/31/2022		2 Year rate guarantee ending 12/31/2024		
Eligibility		FTE 30HRS/WK		FTE 30HRS/WK		

**NOTE: Benefit deviations from Current are identified in blue font*

***Exclusions/limitations may apply*

HealthPartners Benefit Level 1 Providers



HealthPartners Dental Group Park Dental

Benefit Level 1 features two of Minnesota's most respected dental groups - HealthPartners Dental Group and Park Dental Clinics.

Benefit Level 2 includes our Open Access network of more than 120,000 PPO providers nationwide.

HealthPartners Distinctions Dental Plan

Little Partners dental benefit
Kids 12 and under are covered 100% at in-network dentists, with no deductibles, no coinsurance and no annual maximum.

HealthPartners MouthWise Matters
Gum disease can lead to health problems for those living with diabetes or who are pregnant. These members get 100% coverage with no annual limits on medically necessary services, including exams, cleanings, scaling and root planing.

Save 15% on orthodontics
Save 15% at the top orthodontic clinics in Minnesota:

- HealthPartners Orthodontics
- Three Rivers Orthodontics
- Orthodontic Care Specialists, LTD
- The Dental Specialists Orthodontics

Find Care Search | HealthPartners

Marketing Activity Summary

2023

City of Ramsey

Fully-Insured Marketing Activity Summary | Effective 01/01/2023

Health Lines of Coverage: Including Medical, Dental, Vision and EAPs				
Line of Coverage	**Carrier Name**	**Response**	**Rate Guarantee**	**Commission**
Dental	**Delta Dental of Minnesota**	**Current**	**1 Year**	**10%**
Dental	Delta Dental of Minnesota	Renewal	1 year	10%
Dental	MetLife	Quote	2 Year	10%
Dental	Lincoln	Quote	2 Year	10%
Dental	Principal	Quote	2 Year	10%
Dental	HealthPartners Inc (TPA)	Quote	2 Year	10%
Dental	Guardian	Quote	1 year	10%
Dental	Guardian	Quote	2 year	10%
Dental	Sun Life	Quote	2 year	10%
Dental	Sun Life	Quote	1 Year	10%

Disclaimers

2023

Disclaimers

Prepared for City of Ramsey

Coverage Disclaimer

This proposal is an outline of the coverages proposed by the carrier(s) based upon the information provided by your company. It does not include all the terms, coverages, exclusions, limitations, and conditions of the actual contract language. See the policies and contracts for actual language. This proposal is not a contract and offers no contractual obligation on behalf of GBS. Policy forms for your reference will be made available upon request.

Renewal / Financial Disclaimer

This analysis is for illustrative purposes only, and is not a proposal for coverage or a guarantee of future expenses, claims costs, managed care savings, etc. There are many variables that can affect future health care costs including utilization patterns, catastrophic claims, changes in plan design, health care trend increases, etc. This analysis does not amend, extend, or alter the coverage provided by the actual insurance policies and contracts. See your policy or contact us for specific information or further details in this regard.

Legal

The intent of this analysis is to provide you with general information regarding the status of, and/or potential concerns related to, your current employee benefits environment. It should not be construed as, nor is it intended to provide, legal advice. Laws may be complex and subject to change. This information is based on current interpretation of the law and is not guaranteed. Questions regarding specific issues should be addressed by legal counsel who specializes in this practice area.

Thank you!

3600 American Boulevard, Suite 500
Bloomington, MN 55431
USA

Gallagher

Insurance | Risk Management | Consulting

Gallagher

Insurance | Risk Management | Consulting

CC Regular Session **5. 6.**

Meeting Date: 10/25/2022

By: Jennifer Morrison, Finance

Information

Title

Adopt Resolution #22-245 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of October 6, 2022 through October 19, 2022.

Purpose/Background:

Adopt Resolution #22-245 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of October 6, 2022 through October 19, 2022.

Recommendation:

Staff Recommends to Adopt Resolution #22-245 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of October 6, 2022 through October 19, 2022.

Action:

Motion to Adopt Resolution #22-245 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of October 6, 2022 through October 19, 2022.

Attachments

Bills List 10/25/2022

Resolution 22-245

Form Review

Inbox	Reviewed By	Date
Diana Lund	Diana Lund	10/20/2022 09:01 AM
Brian Hagen	Brian Hagen	10/20/2022 10:37 AM
Form Started By: Jennifer Morrison		Started On: 10/19/2022 03:23 PM
Final Approval Date: 10/20/2022		

RAMSEY CITY COUNCIL MEETING

10.25.2022

BILLS LIST

DISBURSEMENTS TO BE APPROVED THIS MEETING:

DISBURSEMENT TYPE:	SUBMITTED FOR APPROVAL
Prepaids 10.06.2022 - 10.19.2022	$ 265,023.53
Accounts Payable 10.06.2022 - 10.19.2022	582,965.38
Payroll 10.14.2022	204,041.23
Debt Service	
Pay Estimates- Projects	855,270.91
TOTAL SUBMITTED FOR APPROVAL THIS MEETING (Invoices Available for Reviewal)	**$ 1,907,301.05**

DISBURSEMENTS PREVIOUSLY APPROVED AND PAID:

	APPROVED PREVIOUS MTG	2022 Y.T.D.
PREPAIDS	$ 560,314.60	$ 9,103,582.71
PREPAID ADJUSTMENTS		
ACCOUNTS PAYABLE INVOICING	241,376.23	6,245,504.28
ACCT PAYABLE INVOICING ADJUSTMENTS		
NET PAYROLL TOTAL	212,394.65	4,179,925.06
CORRECTION TO PAYROLL		
DEBT SERVICE		401,858.06
CORRECTION TO DEBT SERVICE		
PAY ESTIMATE(S) - PROJECTS		4,634,858.62
TOTAL CASH DISBURSEMENTS PREVIOUSLY APPROVED	**$ 1,014,085.48**	**$ 24,565,728.73**

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Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
115708	**10/6/2022**		**100012 ACE SOLID WASTE INC**						
		37,292.60	OCT RECYCLING		115520	8168134T067	9604.6489		OTHER CONTRACTED SI
		1,200.08	HD TRASH SERVICES		115524	8168143T067	0296.6249		MISCELLANEOUS OPER/
		500.00-	HD SPONSORSHIP		115524	8168143T067	0296.4609		OTHER MISCELLANEOUS
		293.60	WASTE SERVICES		115525	8168145T067	0194.6374		REFUSE/RECYCLING
		691.08	WASTE SERVICES		115525	8168145T067	0452.6374		REFUSE/RECYCLING
		447.94	WASTE SERVICES		115525	8168145T067	9604.6249		MISCELLANEOUS OPER/
		39,425.30							
115709	**10/6/2022**		**100116 CONNEXUS ENERGY**						
		20,965.70	ELECTRIC FOR WATER UTILITY		115517	759126-303102 SEP 2022	9601.6371		ELECTRIC UTILITIES
		775.76	ELECTRIC FOR SEWER UTILITY		115517	759126-303102 SEP 2022	9602.6371		ELECTRIC UTILITIES
		488.14	ELECTRIC FOR STORM UTILITY		115517	759126-303102 SEP 2022	9605.6371		ELECTRIC UTILITIES
		10,601.94	8/18-9/19/22 ELECTRIC		115518	759126-303101 SEP 2022	9603.6371		ELECTRIC UTILITIES
		14,685.38	8/18-9/19/22 ELECTRIC		115519	759126-303107 SEP 2022	0194.6371		ELECTRIC UTILITIES
		1,275.02	8/18-9/19/22 ELECTRIC		115519	759126-303107 SEP 2022	0220.6371		ELECTRIC UTILITIES
		76.56	8/18-9/19/22 ELECTRIC		115519	759126-303107 SEP 2022	9230.6249		MISCELLANEOUS OPER/
		3,284.49	8/18-9/19/22 ELECTRIC		115519	759126-303107 SEP 2022	9240.6371		ELECTRIC UTILITIES
		405.35	8/18-9/19/22 ELECTRIC		115519	759126-303107 SEP 2022	9410.6371	00041012	ELECTRIC UTILITIES
		29.05	8/18-9/19/22 ELECTRIC		115519	759126-303107 SEP 2022	9410.6371	00041012	ELECTRIC UTILITIES
		85.00	SIREN ELECTRIC UTILITIES		115521	759126-303095 SEP 2022	0250.6371		ELECTRIC UTILITIES
		1,092.99	TRAFFIC SIGNALS		115522	759126-303100 SEP 2022	0260.6371		ELECTRIC UTILITIES
		3,144.06	ELECTRIC		115523	759126-303106 SEP 2022	0452.6371		ELECTRIC UTILITIES
		646.41	ELECTRIC		115523	759126-303106 SEP 2022	0311.6371		ELECTRIC UTILITIES
		631.83	ELECTRIC		115523	759126-303106 SEP 2022	9601.6371		ELECTRIC UTILITIES
		631.83	ELECTRIC		115523	759126-303106 SEP 2022	9602.6371		ELECTRIC UTILITIES
		631.83	ELECTRIC		115523	759126-303106 SEP 2022	9605.6371		ELECTRIC UTILITIES
		59,451.34							
115750	**10/13/2022**		**100012 ACE SOLID WASTE INC**						
		131.71	REFUSE/RECYCLE		115582	8174145T067	0220.6374		REFUSE/RECYCLING
		131.71							
115751	**10/13/2022**		**107724 COMCAST**						
		6.99	CABLE SERVICE		115579	877210504012970 8 SEP 2022	0220.6249		MISCELLANEOUS OPER/
		6.99							
115752	**10/13/2022**		**100167 CORNERSTONE FORD**						

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
115752	10/13/2022		100167 CORNERSTONE FORD						Continued
		11.53-	EARLY PAY DISCOUNT		115580	15391105	0311.6257		OTHER VEHICLE PARTS
		115.24	VEHICLE #375		115580	15391105	0311.6257		OTHER VEHICLE PARTS
		103.71							
115753	10/13/2022		119654 MISS IZ ICE CREAM, LLC						
		1,500.00	RESTAURANT SIGN REIMB.		115585	1072022	9230.6246		MARKETING & PROMOTI
		1,500.00							
115754	10/13/2022		119660 WOLF, TIM						
		100.00	BICYCLE LOCKER DEP. REFUND		115584	101022	9101.2201		DEPOSITS PAYABLE
		100.00							
1004320	10/14/2022		119662 SIEDOW, EMMAH						
		17.50	REIMB BCA CONF PARKING		115577	10132022	0211.6331		TRAVEL & LODGING
		17.50							
1004321	10/14/2022		116702 TORSETH, JEMMA						
		20.00	REIMB BCA PARKING		115578	10132022	0211.6331		TRAVEL & LODGING
		24.99	SGT VOIT RETIREMENT		115578	10132022	0211.6249		MISCELLANEOUS OPER/
		44.99							
1004322	10/14/2022		100510 VERIZON WIRELESS						
		1,354.71	VERIZON-STAFF PHONES-OCT		115586	9917149511	0192.6323		CELLULAR PHONES
		498.13	VERIZON-SQUADS-OCT		115586	9917149511	0211.6415		OTHER EQUIPMENT REN
		1,852.84							
1004323	10/14/2022		111137 WRIGHT HENNEPIN COOPERATIVE ELECTRIC						
		27.95	FIRE ALARM MONITORING		115581	150-1681-6340 OCT 202	0194.6489		OTHER CONTRACTED SI
		28.95	SECURITY		115583	150-1682-6501 OCT 2022	0211.6489		OTHER CONTRACTED SI
		27.95	FS#2 FIRE PANEL MONIT		115587	15016814280 OCT 2022	0220.6489		OTHER CONTRACTED SI
		36.90	7550 SUNWOOD MONITORING		115587	15016814280 OCT 2022	0194.6489		OTHER CONTRACTED SI
		52.95	PW FIRE PANEL MONT/TEST		115587	15016814280 OCT 2022	0311.6489		OTHER CONTRACTED SI
		35.90	PW MONITORING		115587	15016814280 OCT 2022	0311.6489		OTHER CONTRACTED SI
		48.95	RAMP FIRE PANEL TEST/MONIT		115587	15016814280 OCT 2022	9240.6315		MISCELLANEOUS PROFE
		27.95	YOUTH FIRST FIRE PANEL MONIT		115587	15016814280 OCT 2022	9410.6315	00041012	MISCELLANEOUS PROFE
		287.50							
98101422	10/14/2022		115568 ALERUS FINANCIAL NA						
		5,943.99			115592	10132211401313	9101.2176		LIFE/HEALTH-EMPLOYEE
		5,943.99							
99009099	10/14/2022		101306 IRS						
		28,346.13			115598	1013221140137	9101.2171		FEDERAL WITHHOLDING
		15,682.65			115599	1013221140138	9101.2173		FICA & MEDICARE-EMPL
		15,682.65			115600	1013221140139	9101.2182		FICA & MEDICARE-EMPL
		59,711.43							

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
99100322	**10/3/2022**		**100219 HOME DEPOT COMMERCIAL ACCT PROGRAM**						**Continued**
		66.94	CLAMPS, NAILSET, FLEX IMPACT		115482	09292022	0220.6249		MISCELLANEOUS OPER/
		1.34-	EARLY PAY DISCOUNT		115482	09292022	0220.6249		MISCELLANEOUS OPER/
		532.97	DEWALT CHAINSAW/PSI COMP TOOL		115483	09202022	0220.6281		SMALL TOOLS & MINOR I
		10.66-	EARLY PAY DISCOUNT		115483	09202022	0220.6281		SMALL TOOLS & MINOR I
		587.91							
99101422	**10/14/2022**		**107962 TOTAL ADMINISTRATIVE SERV (DO NOT USE)**						
		1,147.00			115589	10132211401310	9101.2176		LIFE/HEALTH-EMPLOYEE
		1,147.00							
99101522	**10/15/2022**		**108768 COMDATA NETWORK INC**						
		46.98	AMAZON 09/12/22 BLUE TABLE CLO		115613	SEP 2022 SCHMITZ	0130.6249		MISCELLANEOUS OPER/
		41.98	AMAZON 09/12/22 BLUE TABLE CLO		115613	SEP 2022 SCHMITZ	0130.6249		MISCELLANEOUS OPER/
		7.99	COBORNS 09/13/22 CC MEALS		115613	SEP 2022 SCHMITZ	0111.6249		MISCELLANEOUS OPER/
		65.15	MAMA DELUCA 09/13/22 CC MEALS		115613	SEP 2022 SCHMITZ	0111.6249		MISCELLANEOUS OPER/
		48.14	COBORNS 09/27/22 CC MEALS		115613	SEP 2022 SCHMITZ	0111.6249		MISCELLANEOUS OPER/
		426.96	COBORNS 09/09/22 HD MEALS		115613	SEP 2022 SCHMITZ	0296.6249		MISCELLANEOUS OPER/
		15.90-	COBORNS 09/12/22 HD MEALS CRED		115613	SEP 2022 SCHMITZ	0296.6249		MISCELLANEOUS OPER/
		126.89	GASOLINE FUEL		115614	SEP 2022 FIRE FUEL	0220.6223		GASOLINE
		50.74	WALMART-STOCK CC FRIDGE		115615	SEP 2022 BRAY	0111.6249		MISCELLANEOUS OPER/
		751.76	HOME DEPOT-HAMMER DRILL/IMPACT		115616	SEP 2022 NELSON	9601.6281		SMALL TOOLS & MINOR I
		139.68	HOME DEPOT-UTILITY DEPT TOOLS		115616	SEP 2022 NELSON	9601.6281		SMALL TOOLS & MINOR I
		74.68	DTF SQUAD GAS		115617	SEP 2022 PD FUEL	0211.6223		GASOLINE
		33.59	VALS - TRAINING CH BR BB SS		115618	SEP 2022 BLUML	0211.6331		TRAVEL & LODGING
		120.00	WHT RABBIT - MFF TRAINING		115618	SEP 2022 BLUML	0211.6331		TRAVEL & LODGING
		12.15	AMAZON - NOTEBOOKS PATROL		115619	SEP 2022 TORSETH	0211.6208		MISCELLANEOUS OFFICI
		28.63	AMAZON - PENS/POST ITS		115619	SEP 2022 TORSETH	0211.6208		MISCELLANEOUS OFFICI
		18.76	COBORNS - VOITSUPPLIES		115619	SEP 2022 TORSETH	0211.6208		MISCELLANEOUS OFFICI
		75.00	TLO-INVESTIG TOOL		115620	SEP 2022 FRANKFURTH	0211.6315		MISCELLANEOUS PROFE
		96.83	COBORNS-SUPP-HD		115620	SEP 2022 FRANKFURTH	0211.6331		TRAVEL & LODGING
		472.50	STANDING STATION		115621	SEP 2022 FREDRICKSON	0192.6281		SMALL TOOLS & MINOR I
		31.92	AMAZON-EAB MARKG EQUIP		115622	SEP 2022 ANDERSON	0191.6249		MISCELLANEOUS OPER/
		1,311.85	ASSOCIATED BAG- RECY DAY BAGS		115622	SEP 2022 ANDERSON	9604.6249		MISCELLANEOUS OPER/
		33.26	COBORNS-REFRESHMTS FOR RECY DA		115622	SEP 2022 ANDERSON	9604.6249		MISCELLANEOUS OPER/
		5.19	ECM ANOKA HERALD ONLINE		115623	SEP 2022 SULLIVAN	9230.6451		MEMBERSHIP DUES
		317.98	HOLIDAY INN-MNAPA CONFERENCE		115624	SEP 2022 LARSON	0191.6331		TRAVEL & LODGING

CITY OF RAMSEY

Council Check Register by GL

Council Check Register and Summary

10/3/2022 – 10/19/2022

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
99101522	10/15/2022		108768 COMDATA NETWORK INC						Continued.
		168.17	AMAZON-MUSTANG SUIT REP		115625	SEP 2022 KOHNER	0220.6231		UNIFORMS & TURN-OUT
		39.46	AMAZON-AIRLINE BLOWOUT		115625	SEP 2022 KOHNER	0220.6259		BUILDING MAINT/REPAIR
		175.00	MINN FIRE CERT-CERT RENEWAL		115625	SEP 2022 KOHNER	0220.6451		MEMBERSHIP DUES
		244.98	ACME TOOLS-TOOLBENCH		115625	SEP 2022 KOHNER	0220.6281		SMALL TOOLS & MINOR I
		159.00	FRED PRYOR-ADM ASST TRAIN-MW		115626	SEP 2022 WESTBY	0301.6335		TRAINING
		199.00	FRED PRYOR ANNUAL SUBSCRIPTION		115626	SEP 2022 WESTBY	0301.6335		TRAINING
		100.00	MN. ASSOC. GOV. COMMUNICATORS		115627	SEP 2022 LASHER	0130.6451		MEMBERSHIP DUES
		45.20	COBORNS MEET THE CA REFRESHMEN		115627	SEP 2022 LASHER	0130.6249		MISCELLANEOUS OPER/
		6.96	COBORNS HD MEETING SNACK		115627	SEP 2022 LASHER	0296.6249		MISCELLANEOUS OPER/
		11.98	COBORNS HD WATER & ICE		115627	SEP 2022 LASHER	0296.6249		MISCELLANEOUS OPER/
		118.39	CASEY'S HD DINNER FOR VOLUNTEE		115627	SEP 2022 LASHER	0296.6249		MISCELLANEOUS OPER/
		49.85	FACEBOOK- META HD AD		115627	SEP 2022 LASHER	0296.6249		MISCELLANEOUS OPER/
		214.23	SUBWAY HD VOL. LUNCHES		115627	SEP 2022 LASHER	0296.6249		MISCELLANEOUS OPER/
		26.95	COBORNS-POSTAGE PACT BOND		115628	SEP 2022 HAGEN	0191.6322	00119122	POSTAGE
		30.00	MINNESOTA FALL-FALL MAINTEXPO		115629	SEP 2022 TURNER	0311.6335		TRAINING
		11.97	TRACTOR SUPPLY - LIME		115630	SEP 2022 BYRON	0452.6249		MISCELLANEOUS OPER/
		25.00	COBORNS-GCARDS PLGRND FINDR		115631	SEP 2022 RIVERBLOOD	0452.6249		MISCELLANEOUS OPER/
		159.00	FRED PRYOR-SEMINR MJ WARNER		115631	SEP 2022 RIVERBLOOD	0452.6335		TRAINING
		6,107.85							
99112631	10/14/2022		100223 ICMA RETIREMENT TRUST 457						
		1,668.00			115588	1013221140131	9101.2175		DEFERRED COMPENSAT
		1,668.00							
99567200	10/14/2022		100601 MN DEPT OF REV WH						
		13,079.95			115597	1013221140136	9101.2172		STATE WITHHOLDING
		13,079.95							
99643870	10/14/2022		114790 GREAT WEST LIFE AND ANNUITY INS CO						
		10,806.13			115590	10132211401311	9101.2175		DEFERRED COMPENSAT
		10,806.13							
99647164	10/14/2022		114790 GREAT WEST LIFE AND ANNUITY INS CO						
		3,756.85			115591	10132211401312	9101.2176		LIFE/HEALTH-EMPLOYEE
		3,756.85							
99672708	10/14/2022		100398 PUBLIC EMPLOYEES RETIREMENT ASSN						
		25,319.56			115595	1013221140134	9101.2174		PERA-EMPLOYEE
		33,972.98			115596	1013221140135	9101.2183		PERA-EMPLOYER
		59,292.54							
		265,023.53	Grand Total						

Payment Instrument Totals

Checks	100,719.05
EFT Payments	162,101.65
A/P ACH Payment	2,202.83
Total Payments	265,023.53

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CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3493		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
118476	ACTS-TREME TALENT LLC	15% DEPOSIT FOR SUMMER CONCERT	PV	115718	001	00999	10/13/2022	101322	225.00
	ACTS-TREME TALENT LLC N4495 385TH STREET MENAMONIE WI 54751				Summary Total				225.00
					Payment Amount				225.00
117922	ADAM PRICE INC	6142 RIVLYN AV EROSION ESCR RE	PV	115608	001	00999	10/3/2022	A119382	1,500.00
	ADAM PRICE INC 11110 INDUSTRIAL CIRCLE NW ELK RIVER MN 55330				Summary Total				1,500.00
					Payment Amount				1,500.00
119614	ALL CITY CONTAINER/DAN KNUDSON	Abatement	PV	115730	001	00999	10/11/2022	64862	525.00
	ALL CITY CONTAINER 25376 XKIMO STREET NW ISANTI MN 55040				Summary Total				525.00
					Payment Amount				525.00
100063	ASPEN MILLS	55303RPD	PV	115543	001	00999	9/23/2022	300918	174.00
	ASPEN MILLS				Summary Total				174.00
	8201 C CENTRAL AVE NE		PV	115553	001	00999	9/30/2022	301294	29.70
	SPRING LAKE PARK MN 55432				Summary Total				29.70
		55303RPD	PV	115556	001	00999	10/3/2022	301373	41.95
					Summary Total				41.95
		55303RPD	PV	115574	001	00999	10/5/2022	301545	80.65
					Summary Total				80.65
			PD	115681	001	00999	10/26/2022	CM4704	219.00-
					Summary Total				219.00-
					Payment Amount				107.30
119649	BASEL, JESSICA	WATER EFFICIENCY REBATE 2024	PV	115526	001	00999	10/4/2022	10042022	200.00
	JESSICA BASEL 14402 WACO STREET NW RAMSEY MN 55303				Summary Total				200.00
					Payment Amount				200.00

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CITY OF RAMSEY
Create Payment Control Groups

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Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
100306	BUREAU OF CRIMINAL APPREHENSION	000000013171	PV	115554	001	00999	9/30/2022	00000717772	1,560.00
	BUREAU OF CRIMINAL APPREHENSION BUSINESS SHARED SERVICES 1430 MARYLAND AVENUE EAST ST PAUL MN 55106							Summary Total	1,560.00
								Payment Amount	1,560.00
119686	CARL BOLANDER & SONS LLC	14310 SUNFISH LK REF ERO ESC	PV	115740	001	00999	10/18/2022	A119619	1,500.00
	CARL BOLANDER & SONS LLC 251 STARKEY STREET ST PAUL MN 55107							Summary Total	1,500.00
								Payment Amount	1,500.00
100652	CARM DISTRIBUTING INC		PV	115529	001	00999	9/23/2022	94171	174.90
	CARM DISTRIBUTING INC P O BOX 187 STACY MN 55079-0187							Summary Total	174.90
								Payment Amount	174.90
117280	CENTRA HOMES	7267 146TH AV EROSION ESCR REF	PV	115606	001	00999	10/3/2022	A118871	1,500.00
	CENTRA HOMES 11460 ROBINSON DRIVE NW COON RAPIDS MN 55433							Summary Total	1,500.00
								Payment Amount	1,500.00
119240	CHEWYS TOOL&SUPPLY LLC (CORNWELL DEALER)		PV	115721	001	00999	10/12/2022	55109	100.19
	CHEWYS TOOL&SUPPLY LLC (CORNWELL DEALER) 14885 191ST AVENUE NW ELK RIVER MN 55330							Summary Total	100.19
								Payment Amount	100.19
113382	CHRISTIAN BUILDERS INC	17297 SAPPHIRE ST DRWY ESC REF	PV	115610	001	00999	10/3/2022	9910032022	2,000.00

Payment Group Control Number 3493
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JMORRISON
Payment Instrument Check Payment
Pay Through Date 12/31/2022

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	CHRISTIAN BUILDERS INC 210000 ROGERS DR STE 110 ROGERS MN 55374			Summary Total					2,000.00
				Payment Amount					2,000.00
119134	CINTAS (FIRST AID VENDOR)	12444202	PV	115564	001	00999	10/4/2022	5127232826	175.16
	CINTAS PO BOX 631025 CINCINNATI OH 45263-1025			Summary Total					175.16
				Payment Amount					175.16
100111	COMMERCIAL ASPHALT COMPANY		PV	115724	001	00999	9/30/2022	220930	1,285.45
	COMMERCIAL ASPHALT COMPANY P O BOX 1480 MAPLE GROVE MN 55311-6480			Summary Total					1,285.45
				Payment Amount					1,285.45
107691	DEPT EMPLOYMENT AND ECONOMIC DEVELOPMENT	DOC ID 15667525	PV	115679	001	00999	10/10/2022	15667525	701.74
	DEPT EMPLOYMENT AND ECONOMIC DEVELOPMENT ATTN: EMPLOYER PAYMENTS: MN UI PO BOX 4629 SAINT PAUL MN 55101-4629			Summary Total					701.74
				Payment Amount					701.74
112275	DESTINY SOFTWARE INC	YEARLY SOFTWARE MAINT	PV	115548	001	00999	10/1/2022	4829	3,500.00
	DESTINY SOFTWARE INC P O BOX 817 LA CONNER WA 98257-0817			Summary Total					3,500.00
				Payment Amount					3,500.00
111093	DOUGLAS KERR UNDERGROUND LLC	20-05 PAY APP 2 RIVERDALE DR	PV	115671	001	09402	10/19/2022	10252022	341,400.51
	DOUGLAS KERR UNDERGROUND LLC			Summary Total					341,400.51
	P O BOX 85	22-05 PAY APP 5 RIVERDALE DR T	PV	115672	001	09437	10/19/2022	10252022 A	85,767.90
	MORA MN 55051			Summary Total					85,767.90

Payment Group Control Number	3493		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
				Payment Amount					427,168.41
106624	EHLERS AND ASSOCIATES, INC	Inv# 92090	PV	115604	001	00999	10/10/2022	92090	2,500.00
	EHLERS & ASSOCIATES, INC 3060 CENTRE POINTE DRIVE ROSEVILLE MN 55113-1105			Summary Total					2,500.00
				Payment Amount					2,500.00
104267	ELITE SANITATION		PV	115709	001	00999	10/10/2022	29231	563.12
	ELITE SANITATION PO BOX 526 ELK RIVER MN 55330			Summary Total					563.12
				Payment Amount					563.12
100169	EMERGENCY APPARATUS MAINTENANCE INC		PV	115558	001	00999	10/4/2022	125258	731.97
	EMERGENCY APPARATUS MAINTENANCE INC 7512 4TH AVENUE LINO LAKES MN 55014			Summary Total					731.97
				Payment Amount					731.97
100143	FERGUSON WATERWORKS # 2518	24740	PV	115562	001	00999	10/4/2022	0498513-1	14.48
	FERGUSON WATERWORKS 2516 P O BOX 802817			Summary Total					14.48
			PV	115714	001	00999	10/10/2022	0503379	537.01
	CHICAGO IL 60680-2817			Summary Total					537.01
				Payment Amount					551.49
110388	FRATTALLONE'S / CAPITAL ONE TRADE CREDIT		PV	115697	001	00999	10/11/2022	A74679/J	7.99
	CAPITAL ONE TRADE CREDIT PO BOX 105525 ATLANTA GA 30348-5525			Summary Total					7.99
				Payment Amount					7.99
119688	GMH ASPHALT CORPORATION	22-02 PAY APP 1 AUTUMN HEIGHT	PV	115673	001	09435	10/19/2022	10252022	190,528.15

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3493		
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Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	GMH ASPHALT CORPORATION 9180 LAKETOWN ROAD CHASKA MN 55318			Summary Total					190,528.15
				Payment Amount					190,528.15
115760	HENRY SCHEIN INC		PV	115686	001	00999	9/28/2022	26087532	209.27
	HENRY SCHEIN INC DEPT CH 10241 PALATINE IL 60055-0241			Summary Total					209.27
				Payment Amount					209.27
112160	HOLIDAY COMPANIES		PV	115552	001	00999	10/1/2022	046801102200	191.25
	HOLIDAY COMPANIES 4567 AMERICAN BLVD W BLOOMINGTON MN 55437			Summary Total					191.25
				Payment Amount					191.25
100256	LANO EQUIPMENT INC		PV	115692	001	00999	8/31/2022	02-937370	47,226.12
	LANO EQUIPMENT INC			Summary Total					47,226.12
	6140 HIGHWAY 10 NW		PV	115701	001	00999	10/11/2022	02-947167	655.70
	ANOKA MN 55303			Summary Total					655.70
			PV	115710	001	00999	10/11/2022	02-947095	28.99
				Summary Total					28.99
			PV	115723	001	00999	10/13/2022	02-947738	7,508.80
				Summary Total					7,508.80
				Payment Amount					55,419.61
100259	LEAGUE OF MN CITIES INS TRUST	INV #19698 / 19699	PV	115695	001	00999	10/1/2022	1001389 OCT 2022	1,478.96
	LEAGUE OF MN CITIES INS TRUST C/O BERKLEY RISK SERVICES INC P O BOX 581517 MINNEAPOLIS MN 55458-1517			Summary Total					1,478.96
				Payment Amount					1,478.96
118472	LENHART, KEVIN	15% DEPOSIT FOR SUMMER CONCERT	PV	115719	001	00999	10/13/2022	101322	300.00
	KEVIN LENHART 5301 PINEWOOD TRAIL			Summary Total					300.00

Payment Group Control Number	3493		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	EDINA MN 55436								
				Payment Amount					300.00
117814	LEWIS CUSTOM HOMES INC	8862 151ST LA REF ERO ESC	PV	115738	001	00999	10/18/2022	A119426	6,500.00
	LEWIS CUSTOM HOMES INC			Summary Total					6,500.00
	218 REVERE LANE NORTH	8850 151ST LA REF ERO ESC	PV	115739	001	00999	10/18/2022	A119430	1,500.00
	CHAMPLIN MN 55316			Summary Total					1,500.00
				Payment Amount					8,000.00
117918	MACQUEEN EMERGENCY		PV	115685	001	00999	10/13/2022	P07339	300.00
	MACQUEEN EMERGENCY			Summary Total					300.00
	1125 7TH STREET E								
	ST PAUL MN 55106								
				Payment Amount					300.00
108208	METRO PRODUCTS INC		PV	115540	001	00999	9/29/2022	169465	39.80
	METRO PRODUCTS INC			Summary Total					39.80
	7401 CENTRAL AVENUE NE								
	FRIDLEY MN 55432								
				Payment Amount					39.80
100328	MN DEPT OF HEALTH WATER	MATT GRAF WATERWORKS EXAM	PV	115530	001	00999	9/28/2022	09282022	23.00
	MN DEPT OF HEALTH			Summary Total					23.00
	DRINKING WATER PROTECTION SECTION	LICENSE RENEWAL JOHN NELSON	PV	115561	001	00999	10/3/2022	10032022	23.00
	P O BOX 64494			Summary Total					23.00
	ST PAUL MN 55164-0494								
				Payment Amount					46.00
100345	NAPA AUTO PARTS ELK RIVER		PV	115702	001	00999	10/12/2022	180677	9.06
	NAPA AUTO PARTS ELK RIVER			Summary Total					9.06
	17137 YALE STREET NW		PV	115703	001	00999	10/10/2022	180349	47.16
	P O BOX 1041			Summary Total					47.16
	ELK RIVER MN 55330								
				Payment Amount					56.22

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3493		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
118945	NASSAU POOLS & SPAS	14951 JUNIPER RIDGE ESCR REF	PV	115609	001	00999	10/3/2022	A119423	100.00
	NASSAU POOLS & SPAS 11850 62ND STREET NE ALBERTIVILLE MN 55301						Summary Total		100.00
							Payment Amount		100.00
115543	NATURAL ENDEAVORS LANDSCAPING INC	Snow Plowing - Potter	PV	115726	001	00999	8/10/2022	1901 OCT 2022	655.42
	NATURAL ENDEAVORS LANDSCAPING INC 2662 S COON CREEK DRIVE NW ANDOVER MN 55304						Summary Total		655.42
							Payment Amount		655.42
117184	NELSON SANITATION AND RENTAL INC		PV	115601	001	00999	9/20/2022	INV/2022/9740	2,225.00
	NELSON SANITATION AND RENTAL INC P O BOX85 1376 105TH ST NW RICE MN 56367						Summary Total		2,225.00
							Payment Amount		2,225.00
100360	NORTH STAR TOWING INC	Abatement	PV	115727	001	00999	10/13/2022	85148	2,325.00
	NORTH STAR TOWING INC						Summary Total		2,325.00
	833 NORTH STREET	Abatement	PV	115728	001	00999	10/13/2022	85147	1,800.00
	ANOKA MN 55303						Summary Total		1,800.00
		Abatement	PV	115729	001	00999	10/13/2022	85150	2,325.00
							Summary Total		2,325.00
							Payment Amount		6,450.00
119616	NOVCO, INC		PV	115602	001	00999	9/29/2022	09292022	7,644.30
	NOVCO, INC						Summary Total		7,644.30
	11090 173RD AVENUE NW	22-01 PAY APP 2 SUNWOOD&WACO	PV	115674	001	09435	10/19/2022	10252022	237,574.35
	ELK RIVER MN 55330						Summary Total		237,574.35
							Payment Amount		245,218.65

CITY OF RAMSEY
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Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
119638	O'REILLY AUTO PARTS		PV	115563	001	00999	10/3/2022	6193-103387	15.99
	O'REILLY AUTO PARTS			Summary Total					15.99
	PO BOX 9464		PV	115722	001	00999	10/12/2022	6193-104178	16.99
	SPRINGFIELD MO 65801-9464			Summary Total					16.99
				Payment Amount					32.98
100393	PRAIRIE RESTORATIONS INC		PV	115720	001	00999	10/13/2022	35405	425.00
	PRAIRIE RESTORATIONS INC 31646 128TH STREET PRINCETON MN 55371			Summary Total					425.00
				Payment Amount					425.00
112959	PREMIUM WATERS INC		PV	115682	001	00999	9/30/2022	621332-09-22	33.64
	PREMIUM WATERS INC			Summary Total					33.64
	P O BOX 9128		PV	115683	001	00999	9/30/2022	621331-09-22	67.79
	MINNEAPOLIS MN 55480-9128			Summary Total					67.79
				Payment Amount					101.43
118845	ROBARGE ENTERPRISES, INC		PV	115569	001	00999	10/6/2022	11240	1,790.00
	ROBARGE ENTERPRISES, INC PO BOX 414 MILACA MN 56353			Summary Total					1,790.00
				Payment Amount					1,790.00
116043	SAFETY SIGNS LLC		PV	115528	001	00999	9/15/2022	222888	1,050.00
	SAFETY SIGNS LLC 19784 KENRICK AVENUE LAKEVILLE MN 55044			Summary Total					1,050.00
				Payment Amount					1,050.00
115352	SURFACE PRO LLC		PV	115717	001	00999	10/10/2022	2048	7,500.00
	SURFACE PRO LLC 3731 THURSTON AVENUE SUITE 103 ANOKA MN 55303			Summary Total					7,500.00
				Payment Amount					7,500.00

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CITY OF RAMSEY
Create Payment Control Groups

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Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
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Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
112760	TORNADO ALLEY SPORTSWEAR	ADDITIONAL SHIRTS	PV	115675	001	00999	8/13/2022	08132022 A	300.00
	TORNADO ALLEY SPORTSWEAR 13949 ST FRANCIS BLVD NW RAMSEY MN 55303			Summary Total					300.00
				Payment Amount					300.00
108522	TOTAL CONTROL SYSTEMS, INC		PV	115568	001	00999	10/6/2022	10377	225.00
	TOTAL CONTROL SYSTEMS, INC P O BOX 40 STANCHFIELD MN 55080			Summary Total					225.00
				Payment Amount					225.00
119653	UNIVERSAL APPAREL	NOVDEC RR AD SALES	PV	115676	001	00999	10/11/2022	101122	1,066.50
	UNIVERSAL APPAREL 105 S UNION STREET STE 8 MORA MN 55051			Summary Total					1,066.50
				Payment Amount					1,066.50
119268	US HOME LLC	8455 152ND LA EROSION ESCR REF	PV	115607	001	00999	10/3/2022	A119104	1,500.00
	US HOME LLC			Summary Total					1,500.00
	16305 36TH AVENUE N SUITE 600	8456 152ND LA REF ERO ESC	PV	115732	001	00999	10/18/2022	A119105	1,500.00
	PLYMOUTH MN 55446			Summary Total					1,500.00
		8471 152ND LA REF ERO ESC	PV	115733	001	00999	10/18/2022	A119202	1,500.00
				Summary Total					1,500.00
		8463 152ND LA REF ERO ESC	PV	115734	001	00999	10/18/2022	A119203	1,500.00
				Summary Total					1,500.00
		8464 152ND LA REF ERO ESC	PV	115735	001	00999	10/18/2022	A119206	1,500.00
				Summary Total					1,500.00
		8442 152ND LA REF ERO ESC	PV	115741	001	00999	10/18/2022	A119089	1,500.00
				Summary Total					1,500.00
		8470 152ND LA REF ERO ESC	PV	115742	001	00999	10/18/2022	A119208	1,500.00
				Summary Total					1,500.00

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3493		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
				Payment Amount					10,500.00
107228	WILEY, ROGER	WATER EFFICIENCY REBATE 2024	PV	115527	001	00999	10/4/2022	10.04.22	179.00
	ROGER WILEY 4935 155TH LANE NW RAMSEY MN 55303			Summary Total					179.00
				Payment Amount					179.00
				Total Amount to be Processed					980,965.96
				Total Number of Payments to be Processed					48

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
100921	RETROFIT COMPANIES INC		PV	115687	001	00999	10/5/2022	0117874-IN	615.04
	RETROFIT COMPANIES INC 1010 HOFFMAN DRIVE SUITE A OWATONNA MN 55060			Summary Total					615.04
				Payment Amount					615.04
116092	ROADKILL ANIMAL CONTROL		PV	115704	001	00999	9/30/2022	09 2022	93.00
	ROADKILL ANIMAL CONTROL 520 HAROLD DRIVE BURNSVILLE MN 55337			Summary Total					93.00
				Payment Amount					93.00
100431	SAFETY KLEEN CORPORATION		PV	115705	001	00999	10/6/2022	CN15580551	110.97
	SAFETY KLEEN CORPORATION PO BOX 975201 DALLAS TX 75397-5201			Summary Total					110.97
				Payment Amount					110.97
100440	SHORT ELLIOT HENDRICKSON INC	CUST PROJ #21-08	PV	115696	001	00999	10/11/2022	434444	1,050.24
	SHORT ELLIOT HENDRICKSON INC P O BOX 64780 ST PAUL MN 55164-0780			Summary Total					1,050.24
				Payment Amount					1,050.24
119121	SLOTH INSPECTIONS INC		PV	115684	001	00999	9/30/2022	09302022	3,756.75
	SLOTH INSPECTIONS INC 2089 175TH LANE NW ANDOVER MN 55304			Summary Total					3,756.75
				Payment Amount					3,756.75
106351	WATER LABORATORIES, INC		PV	115560	001	00999	10/4/2022	9239	660.00
	WATER LABORATORIES, INC 333 EAST MAIN STREET			Summary Total					660.00

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	RAMSEY MN 55303						Summary Total		50.00
							Payment Amount		300.00
110547	NORTHWEST LIGHTING SYSTEMS CO.		PV	115544	001	00999	10/3/2022	126514	639.00
	NORTHWEST LIGHTING SYSTEMS CO. 736 CRAIG AVENUE TRACY MN 56175						Summary Total		639.00
							Payment Amount		639.00
112421	PERRILL		PV	115699	001	00999	10/1/2022	258490	200.00
	PERRIL 110 CHESHIRE LANE SUITE 105 MINNETONKA MN 55305						Summary Total		200.00
							Payment Amount		200.00
111488	POPP.COM INC		PV	115689	001	00999	9/30/2022	992752156	934.25
	POPP.COM INC 620 MENDELSSOHN AVE NO SUITE 101 GOLDEN VALLEY MN 55427						Summary Total		934.25
							Payment Amount		934.25
113444	PRECISE		PV	115698	001	00999	10/10/2022	200-1039179	17.00
	PRECISE 501 EAST CLIFF ROAD SUITE 100 BURNSVILLE MN 55337						Summary Total		17.00
							Payment Amount		17.00
100418	RDO EQUIPMENT CO		PV	115531	001	00999	9/9/2022	P9798554	453.49
	RDO EQUIPMENT CO P O BOX 7160 FARGO ND 58106-7160						Summary Total		453.49
							Payment Amount		453.49
110330	RESHETAR SYSTEM INC		PV	115725	001	00999	10/7/2022	22-32451	7,900.00
	RESHETAR SYSTEM INC 730 BUNKER LAKE BLVD NW ANOKA MN 55303						Summary Total		7,900.00
							Payment Amount		7,900.00

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
				Payment Amount					112.54
100283	MENARDS COON RAPIDS	30280262	PV	115559	001	00999	10/4/2022	81124	84.99
	MENARDS COON RAPIDS			Summary Total					84.99
	3045 MAIN STREET	30280262	PV	115711	001	00999	10/11/2022	81559	1,137.21
	COON RAPIDS MN 55448			Summary Total					1,137.21
		30280262	PV	115712	001	00999	10/3/2022	81032	205.66
				Summary Total					205.66
				Payment Amount					1,427.86
100284	MENARDS ELK RIVER	31250289	PV	115535	001	00999	9/29/2022	61098	143.49
	MENARDS ELK RIVER			Summary Total					143.49
	19521 EVANS STREET NW	31250289	PV	115536	001	00999	9/30/2022	61179	117.57
	ELK RIVER MN 55330-1077			Summary Total					117.57
		31250289	PV	115537	001	00999	9/29/2022	61086	19.51
				Summary Total					19.51
		31250289	PV	115539	001	00999	9/27/2022	60943	268.06
				Summary Total					268.06
				Payment Amount					548.63
100285	MET COUNCIL ENVIRONMENTAL SRV	5156	PV	115567	001	00999	10/6/2022	0001147238	82,457.59
	MET COUNCIL ENVIRONMENTAL SRV P O BOX 856513 MINNEAPOLIS MN 55485-6513			Summary Total					82,457.59
				Payment Amount					82,457.59
100363	NORTHERN SANITARY SUPPLY CO		PV	115605	001	00999	10/7/2022	205416	425.66
	NORTHERN SANITARY SUPPLY CO 341 COON RAPIDS BLVD MINNEAPOLIS MN 55433			Summary Total					425.66
				Payment Amount					425.66
115071	NORTHLAND OCCUPATIONAL HEALTH		PV	115603	001	00999	10/7/2022	16189	250.00
	NORTHLAND OCCUPATIONAL HEALTH 7533 SUNWOOD DRIVE NW SUITE 212			Summary Total					250.00
			PV	115693	001	00999	10/12/2022	16332	50.00

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
113321	FACTORY MOTOR PARTS CO		PV	115550	001	00999	9/30/2022	70-501752	30.31
	FACTORY MOTOR PARTS CO BIN 139107 P O BOX 9107 MINNEAPOLIS MN 55480-9107							Summary Total	30.31
								Payment Amount	30.31
107099	FASTENAL		PV	115680	001	00999	9/29/2022	MNTC8204884	110.88
	FASTENAL COMPANY P O BOX 1286 WINONA MN 55987							Summary Total	110.88
								Payment Amount	110.88
106428	FORCE AMERICA INC		PV	115700	001	00999	10/11/2022	060-1024759	1,375.81
	FORCE AMERICA INC 501 EAST CLIFF ROAD SUITE 100 BURNSVILLE MN 55337							Summary Total	1,375.81
								Payment Amount	1,375.81
100200	GOPHER STATE ONE CALL INC	MN00633	PV	115538	001	00999	9/30/2022	2090693	380.70
	GOPHER STATE ONE CALL 7223 PARKWAY DRIVE SUITE 210 HANOVER MD 21076-1317							Summary Total	380.70
								Payment Amount	380.70
100211	HAWKINS INC		PV	115713	001	00999	10/3/2022	6309753	4,221.88
	HAWKINS INC P O BOX 860263 MINNEAPOLIS MN 55486-0263							Summary Total	4,221.88
								Payment Amount	4,221.88
112475	INNOVATIVE OFFICE SOLUTIONS	S27569	PV	115694	001	00999	10/13/2022	IN3969222	112.54
	INNOVATIVE OFFICE SOLUTIONS LOCKBOX 131434 P O BOX 1414 MINNEAPOLIS MN 55480-1414							Summary Total	112.54

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T A/P ACH Payment		
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	COON RAPIDS MN 55433			Summary Total					22.50
				Payment Amount					113.88
114680	ELECTRICAL PRODUCTION SERVICES INC		PV	115690	001	00999	10/13/2022	8301	455.00
	ELECTRICAL PRODUCTION SERVICES INC			Summary Total					455.00
	4201 NOREX DRIVE SUITE 200		PV	115691	001	00999	10/13/2022	8204	935.00
	CHASKA MN 55318			Summary Total					935.00
				Payment Amount					1,390.00
108737	EMERGENCY AUTOMOTIVE TECHNOLOGY INC		PV	115541	001	00999	9/29/2022	DL091222-20	63.22
	EMERGENCY AUTOMOTIVE TECHNOLOGY INC			Summary Total					63.22
	2755 GENEVA AVE N		PV	115542	001	00999	9/29/2022	DL08052220N	232.00
	OAKDALE MN 55128			Summary Total					232.00
			PV	115551	001	00999	9/30/2022	DL09122220A	193.72
				Summary Total					193.72
			PV	115570	001	00999	10/5/2022	DL08052221O	478.50
				Summary Total					478.50
			PV	115572	001	00999	10/6/2022	DL08052220O	2,131.64
				Summary Total					2,131.64
			PV	115573	001	00999	10/6/2022	DL08052221P	2,214.14
				Summary Total					2,214.14
			PV	115575	001	00999	10/6/2022	DL09122220B	502.86
				Summary Total					502.86
			PV	115576	001	00999	10/7/2022	DL08052220P	64.96
				Summary Total					64.96
			PV	115716	001	00999	10/13/2022	DL08052221Q	732.04
				Summary Total					732.04
				Payment Amount					6,613.08
106790	ESRI, INC		PV	115688	001	00999	10/12/2022	94344041	4,343.00
	ESRI, INC			Summary Total					4,343.00
	PO BOX 741076								
	LOS ANGELES CA 90074-1076								
				Payment Amount					4,343.00

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
116197	CINTAS CORPORATION	12455017	PV	115549	001	00999	9/30/2022	4132980440	42.21
	CINTAS CORPORATION			Summary Total					42.21
	CINTAS LOC #4K		PV	115707	001	00999	10/7/2022	4133648563	37.17
	P O BOX 650838			Summary Total					37.17
	DALLAS TX 75265-0838								
				Payment Amount					79.38
115896	CIVICPLUS INC		PV	115532	001	00999	9/30/2022	241552	1,622.80
	CIVIC PLUS			Summary Total					1,622.80
	P O BOX 1572								
	MANHATTAN KS 66505								
				Payment Amount					1,622.80
113306	DEFINITIVE TECHNOLOGY SOLUTIONS INC		PV	115715	001	00999	10/11/2022	INV243389	56.13
	DEFINITIVE TECHNOLOGY SOLUTIONS INC			Summary Total					56.13
	9401 JAMES AVENUE SOUTH SUITE 162								
	BLOOMINGTON MN 55431-2549								
				Payment Amount					56.13
100144	DEHN OIL COMPANY		PV	115706	001	00999	10/5/2022	92390	3,595.00
	DEHN OIL COMPANY			Summary Total					3,595.00
	6735 141ST AVENUE NW								
	RAMSEY MN 55303								
				Payment Amount					3,595.00
116175	ECKBERG LAMMERS ATTORNEYS AT LAW	09 2022	PV	115533	001	00999	9/30/2022	09 2022	6,093.76
	ECKBERG LAMMERS ATTORNEYS AT LAW			Summary Total					6,093.76
	1809 NORTHWESTERN AVENUE								
	STILLWATER MN 55082								
				Payment Amount					6,093.76
100158	ECM PUBLISHERS INC	370702	PV	115534	001	00999	9/30/2022	913447	91.38
	ECM PUBLISHERS INC			Summary Total					91.38
	4095 COON RAPIDS BLVD	SUBSCRIPTION DIST 454	PV	115678	001	00999	9/30/2022	30936	22.50

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CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
106346	BAUER BUILT INCORPORATED		PV	115565	001	00999	10/4/2022	940092424	2,156.26
	BAUER BUILT INCORPORATED 8270 W 35W SERVICE DR NE BLAINE MN 55449			Summary Total					2,156.26
				Payment Amount					2,156.26
103975	BROZAK, LUANN	LBrozak -Bus Cards	PV	115677	001	00999	10/12/2022	2031	217.50
	LUANN BROZAK 23900 CTY RD 4 #21 NISSWA MN 56468			Summary Total					217.50
				Payment Amount					217.50
116845	CADY BUSINESS TECHNOLOGIES INC		PV	115611	001	00999	10/2/2022	IN-800107283008	39.00
	CADY BUSINESS TECHNOLOGIES INC 3030 HARBOR LANE SUITE 104 PLYMOUTH MN 55447			Summary Total					39.00
				Payment Amount					39.00
112663	CAPSTONE HOMES INC	15164 WOLVERINE ST REF ERO ESC	PV	115731	001	00999	10/18/2022	A119100	1,500.00
	CAPSTONE HOMES INC			Summary Total					1,500.00
	14015 SUNFISH LAKE BLVD SUITE 400	14678 SNOWY OWL REF ERO ESC	PV	115736	001	00999	10/18/2022	A119421	1,500.00
	RAMSEY MN 55303			Summary Total					1,500.00
		14664 SNOWY OWL REF ERO ESC	PV	115737	001	00999	10/18/2022	A119422	1,500.00
				Summary Total					1,500.00
		8739 146TH LA REF ERO ESC	PV	115743	001	00999	10/18/2022	A119486	1,500.00
				Summary Total					1,500.00
				Payment Amount					6,000.00
114549	CHETS SHOES INC		PV	115708	001	00999	9/30/2022	62023	150.00
	CHETS SHOES INC 8870 RENDOVA STREET NE CIRCLE PINES MN 55014			Summary Total					150.00
				Payment Amount					150.00

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
110402	ADVANCE AUTO PARTS	SEPT 2022 PURCHASES	PV	115670	001	09101	9/30/2022	09302022	62.08
	ADVANCE AUTO PARTS AAP FINANCIAL SERVICES P O BOX 742063 ATLANTA GA 30374-2063				Summary Total				62.08
					Payment Amount				62.08
115149	ADVANCED FIRST AID INC		PV	115557	001	00999	10/4/2022	1022-634	433.00
	ADVANCED FIRST AID INC 9724 VALE STREET NW MINNEAPOLIS MN 55433				Summary Total				433.00
					Payment Amount				433.00
117343	AMAZON CAPITAL SERVICES INC		PV	115545	001	00999	10/3/2022	1VWQ-KHJP-Q3Y7	126.27
	AMAZON CAPITAL SERVICES INC				Summary Total				126.27
	PO BOX 035184		PV	115546	001	00999	10/3/2022	1NNR-MQ31-M14Y	15.98
	SEATTLE WA 98124-5184				Summary Total				15.98
		A3VYUQ4FSATYMN	PV	115555	001	00999	10/3/2022	14T4-MJ4L-PDXD	522.70
					Summary Total				522.70
		A3VYUQ4FSATYMN	PV	115566	001	00999	10/3/2022	1JHQ-RQ4W-QJNK	78.46
					Summary Total				78.46
					Payment Amount				743.41
100029	ANOKA AREA CHAMBER OF COMMERCE	ANNUAL MEMBERSHIP DUES	PV	115547	001	00999	10/1/2022	30134	480.00
	ANOKA AREA CHAMBER OF COMMERCE 12 BRIDGE SQUARE ANOKA MN 55303				Summary Total				480.00
					Payment Amount				480.00
116015	AXON ENTERPRISE INC	Q401693	PV	115571	001	00999	10/4/2022	INUS106388	314,926.95
	AXON ENTERPRISE INC DEPT 2018 PO BOX 29661 PHOENIX AZ 85038				Summary Total				314,926.95
					Payment Amount				314,926.95

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CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3494		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JMORRISON		
Payment Instrument	T A/P ACH Payment		
Pay Through Date	12/31/2022		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	PO BOX 388 ELK RIVER MN 55330								
								Payment Amount	660.00
112515	WSB AND ASSOCIATES INC	EDA Interactive Doc Update	PV	115612	001	00999	9/30/2022	R-019569-000-6	333.50
	WSB AND ASSOCIATES INC 701 XENIA AVENUE SOUTH SUITE 300 MINNEAPOLIS MN 55416							Summary Total	333.50
								Payment Amount	333.50
								Total Amount to be Processed	457,270.33
								Total Number of Payments to be Processed	43

Checks $980,965.96
ACH $457,270.33
Accts Payable 1,438,236.29

Pay applications $855,270.91
regular payables $582,965.38
$1,438,236.29

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Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #22-245

RESOLUTION APPROVING CASH DISBURSEMENTS MADE AND AUTHORIZING PAYMENT OF ACCOUNTS PAYABLE INVOICING RECEIVED DURING THE PERIOD OF OCTOBER 6, 2022, THROUGH OCTOBER 19, 2022

WHEREAS, the City of Ramsey Finance Department has made cash disbursements and received accounts payable invoicing during the period of October 6, 2022, through October 19, 2022, in the amount of $1,907,301.05 and

WHEREAS, the City Council of the City of Ramsey is required to authorize payment for all disbursement transactions.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the Ramsey City Council hereby approves the cash disbursements made and authorizes payment of the accounts payable invoices as detailed in the attached Bills List for the period October 6, 2022, through October 19, 2022, in the amount of $1,907,301.05.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember , and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

_____
Mayor

ATTEST:

City Clerk

CC Regular Session **5. 7.**

Meeting Date: 10/25/2022

Submitted For: Bruce Westby, Engineering/Public Works

By: Marsha Weidner, Engineering/Public Works

Information

Title

Adopt Resolution #22-136 Authorizing Partial Payment No. 1 to GMH Asphalt Corporation for Improvement Project #22-02, Autumn Heights Street Reconstruction

Purpose/Background:

Resolution and Pay Estimate (Attached)

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment no. 1 to GMH Asphalt Corporation, of Chaska, Minnesota, for said project, in the amount of $190,528.15.

Action:

Motion to adopt Resolution #22-136, Authorizing Partial Payment No. 1 to GMH Asphalt Corporation, of Chaska, Minnesota for Improvement Project #22-02, Autumn Heights Street Reconstruction, in the amount of $190,528.15.

Attachments

Resolution

Pay Estimate

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	10/20/2022 01:24 PM
Brian Hagen	Brian Hagen	10/20/2022 01:50 PM
Form Started By: Marsha Weidner		Started On: 10/13/2022 01:08 PM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-136

RESOLUTION AUTHORIZING PARTIAL PAYMENT NO. 1 TO GMH ASPHALT CORPORATION FOR IMPROVEMENT PROJECT #22-02, AUTUMN HEIGHTS STREET RECONSTRUCTION

WHEREAS, the City of Ramsey proposes to reconstruct Autumn Heights Subdivision; and

WHEREAS, pursuant to Ramsey City Council resolution #21-194, adopted July 13, 2021, the City Council ordered the City Engineer to request proposals for Topographic Survey, Geotechnical Evaluations and Utility Testing for proposed 2022 Pavement Management Program projects, including IP 22-02 Autumn Heights Subdivision; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-224, adopted August 8th, 2021, the City Council awarded a proposal to Hakanson Anderson for Topographic Survey, and Haugo Geotechnical Services for a geotechnical report of the project area; and

WHEREAS, pursuant to Ramsey City Council resolution #21-300, adopted October 26, 2021, City staff has received and reviewed the Topographic Survey, Geotechnical Evaluations; and

WHEREAS, pursuant to Ramsey City Council resolution #22-150, adopted June 28, 2022 the City Council approved final plans and specifications as prepared by the City Engineer and authorized advertisement for bid for said improvements; and

WHEREAS, pursuant to Ramsey City Council resolution #22-175 the bid of GMH Asphalt Corporation, of Chaska, Minnesota, in the amount of $897,894.48 for the bid was accepted as the lowest responsible bidder; and

WHEREAS, as of October 25, 2022, $0.00 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment no. 1 to GMH Asphalt Corporation, of Chaska, Minnesota, for said project, in the amount of $190,528.15.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA:

1) That the City Council are hereby authorizes partial payment no. 1 to GMH Asphalt Corporation, of Chaska, Minnesota for said project, in the amount of $190,528.15.

2) That the City Council hereby accepts the project and authorizes the Mayor or City Administrator to sign the release for this payment.

3) That the total amount of this payment is not included in resolutions approving payment of bills for the date of October 25, 2022.

4) That the City of Ramsey Finance Department will be provided a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember ____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

_____
Mayor

ATTEST:

_____
City Clerk

Pay Estimate Summary Sheet

Estimate Number:	1 Partial
Project Number:	22-02
Project Name:	Autumn Heights Street Reconstructions
Period Ending	September 30, 2022
Contractor:	GMH Asphalt Corporation
Address:	9180 Laketown Road, Chaska, MN 55318

1	Original Contract Amount			$ 897,894.48
2	Change Order(s)	No. ____	Thru No. ____	
3	Total Funds Encumbered			$ 897,894.48
4	Value of Work Completed			$ 200,555.95
5	Retainage 5 %			$ (10,027.80)
	Percent Complete	22%		
6	Deductions or Charges			
7	Total Earned Less Retainage (Lines 4+5+6)			$ 190,528.15
8	Previous Payment(s)			$ -
9	**Payment Due (Lines 7-8)**			**$ 190,528.15**
10	Total Balance to Finish, Including Retainage (Lines 3-7)			$ 707,366.33

Certification of Partial Payment

I hereby certify that, to the best of my knowledge and belief, all items, quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between owner and the undersigned Contractor, and as amended by any authorized changes and the foregoing is a true and correct statement of the contract amount for the period covered by this estimate.

GMH Asphalt Corp.	Brandon Butorac
Contractor Name	Print Name
VP	
Title	Signature
	10-6-22
	Date

City of Ramsey Approval	
	10/7/2022
Signature (Project Engineer)	Date
	10/12/22
Signature (City Engineer)	Date

Autumn Heights Street Reconstructions
I.P. 22-02
Estimate No. 1 **Partial**
Period Ending September 30, 2022

			CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
1	2021.501	Mobilization	LS	1.0	$ 35,600.00	$ 35,600.00	0.5	$ 17,800.00	0.5	$ 17,800.00
2	2101.502	Clearing Tree	EA	13	$ 262.00	$ 3,406.00	13	$ 3,406.00	13	$ 3,406.00
3	2101.502	Grubbing Tree	EA	13	$ 93.10	$ 1,210.30	13	$ 1,210.30	13	$ 1,210.30
4	2101.503	Remove Culvert	LF	519	$ 5.55	$ 2,880.45	547	$ 3,035.85	547	$ 3,035.85
5	2104.503	Sawing Bituminous Pavement - Full Depth	LF	1082	$ 2.33	$ 2,521.06	0	$ -	0	$ -
6	2104.503	Sawing Concrete Pavement - Full Depth	LF	290	$ 7.15	$ 2,073.50	0	$ -	0	$ -
7	2104.504	Remove Concrete Pavement - Driveways	SY	128	$ 10.00	$ 1,280.00	2	$ 20.00	2	$ 20.00
8	2104.504	Remove Bituminous Pavement - Driveways	SY	329	$ 5.00	$ 1,645.00	67	$ 335.00	67	$ 335.00
9	2104.504	Remove Bituminous Pavement - Roadways	SY	1852	$ 3.25	$ 6,019.00	320	$ 1,040.00	320	$ 1,040.00
10	2104.504	Remove Gravel Surface - Driveways	SY	68	$ 5.00	$ 340.00	0	$ -	0	$ -
11	2104.502	Salvage and Install Mail Box Support	EA	24	$ 212.00	$ 5,088.00	0	$ -	0	$ -
12	2540.602	Temporary Mail Box Cluster	EA	2	$ 688.00	$ 1,376.00	1	$ 688.00	1	$ 688.00
13	2105.607	Common Excavation (EV)	CY	695	$ 33.90	$ 23,560.50	13	$ 440.70	13	$ 440.70
14	2105.607	Subgrade Excavation, Remove Unsuitable Materials (EV)	CY	1213	$ 31.50	$ 38,209.50	0	$ -	0	$ -
15	2106.607	Haul & Stockpile Reclaim Material (LV)	CY	1540	$ 12.25	$ 18,865.00	0	$ -	0	$ -
16	2106.507	Select Granular Borrow (CV)	CY	1213	$ 23.65	$ 28,687.45	0	$ -	0	$ -
17	2112.519	Subgrade Preparation	RDST	6	$ 150.00	$ 900.00	0	$ -	0	$ -
18	2130.523	Water	MGAL	225	$ 52.50	$ 11,812.50	0	$ -	0	$ -
19	2211.507	Aggregate Base Class 5 - Modified (CV)	CY	380	$ 37.50	$ 14,250.00	0	$ -	0	$ -
20	2215.504	Full Depth Reclamation	SY	22995	$ 1.75	$ 40,241.25	13894	$ 24,314.50	13894	$ 24,314.50
21	2105.507	Geotextile Fabric Type 4	SY	109	$ 3.50	$ 381.50	0	$ -	0	$ -
22	2108.504	Geotextile Fabric Type 5	SY	1819	$ 1.50	$ 2,728.50	0	$ -	0	$ -
23	2232.504	Mill Bituminous Pavement (2.0")	SY	28	$ 6.00	$ 168.00	0	$ -	0	$ -
24	2357.506	Bituminous Material for Tack Coat	GAL	790	$ 4.25	$ 3,357.50	0	$ -	0	$ -
25	2360.509	Type SP 12.5 Non Wearing Course Mixture (3,C)	TON	1339	$ 94.50	$ 126,535.50	0	$ -	0	$ -
26	2360.509	Type SP 9.5 Wearing Course Mixture (3,C)	TON	2831	$ 96.70	$ 273,757.70	0	$ -	0	$ -
27	2360.509	Type SP 9.5 Wearing Course Mixture (3,C) 2.5" Trail	Ton	2	$ 175.00	$ 350.00	0	$ -	0	$ -
28	2360.509	Type SP 9.5 Wearing Course Mixture (3,C) Driveways	Ton	35	$ 356.00	$ 12,460.00	0	$ -	0	$ -
29	2501.503	15" CS Pipe Culvert	LF	27	$ 100.00	$ 2,700.00	26	$ 2,600.00	26	$ 2,600.00
30	2501.503	15" RC Pipe Sewer Design 3006 Class III	LF	427	$ 107.00	$ 45,689.00	460	$ 49,220.00	460	$ 49,220.00
31	2501.503	18" RC Pipe Sewer Design 3006 Class III	LF	95	$ 98.05	$ 9,314.75	112	$ 10,981.60	112	$ 10,981.60
32	2502.503	4" Perf PVC Pipe Drain	LF	437	$ 7.75	$ 3,386.75	0	$ -	0	$ -
33	2501.502	15" CS Pipe Apron	EA	2	$ 836.00	$ 1,672.00	2	$ 1,672.00	2	$ 1,672.00
34	2501.502	15" RC Pipe Apron	EA	18	$ 1,751.00	$ 31,518.00	18	$ 31,518.00	18	$ 31,518.00
35	2501.502	18" RC Pipe Apron	EA	4	$ 1,838.00	$ 7,352.00	4	$ 7,352.00	4	$ 7,352.00
36	2502.502	4" Precast Concrete Headwall	EA	1	$ 423.00	$ 423.00	0	$ -	0	$ -
37	2531.503	Cocrete Curb & Gutter Design B418	LF	718	$ 31.75	$ 22,796.50	714	$ 22,669.50	714	$ 22,669.50

			CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
38	2531.504	6" Concrete Paement - Driveway	SY	151	$ 93.10	$ 14,058.10	4	$ 372.40	4	$ 372.40
39	2531.504	Gravel Surface	SY	25	$ 16.80	$ 420.00	0	$ -	0	$ -
40	2575.602	Landscape Restoration	EA	26	$ 272.00	$ 7,072.00	4	$ 1,088.00	4	$ 1,088.00
41	2563.601	Traffic Control	LS	1	$ 1,693.00	$ 1,693.00	0.5	$ 846.50	0.5	$ 846.50
42	2573.502	Storm Drain Inlet Protection - Culvert	EA	24	$ 114.00	$ 2,736.00	20	$ 2,280.00	20	$ 2,280.00
43	2573.503	Sediment Control Log Type Straw	LF	2580	$ 3.80	$ 9,804.00	1984	$ 7,539.20	1984	$ 7,539.20
44	2573.503	Silt Fence, Type MS	LF	3445	$ 2.18	$ 7,510.10	2730	$ 5,951.40	2730	$ 5,951.40
45	2573.501	Stabilized Construction Exit	EA	1	$ 750.00	$ 750.00	0	$ -	0	$ -
46	2574.507	Topsoil (LV)	CY	821	$ 61.90	$ 50,819.90	0	$ -	0	$ -
47	2574.508	Fertilizer Type 3	LBS	175	$ 1.04	$ 182.00	0	$ -	0	$ -
48	2511.509	Random Rip Rap Class III	CY	26	$ 167.00	$ 4,342.00	25	$ 4,175.00	25	$ 4,175.00
49	2575.505	Seeding	ACRE	1.43	$ 6,924.00	$ 9,901.32	0.00	$ -	0.00	$ -
50	2575.508	Hydraulic Matrix Type Mulch	LBS	5720	$ 0.58	$ 3,317.60	0	$ -	0	$ -
51	2575.508	Seed Mixture 25-151	LBS	145	$ 5.05	$ 732.25	0	$ -	0	$ -
		GRAND TOTALS				**$ 897,894.48**		**$ 200,555.95**		**$ 200,555.95**

Internal City Use Only				
Pavement Management Funds		*$ 91,257.35*		*$ 91,257.35*
Storm Sewer Utility Funds		*$ 109,298.60*		*$ 109,298.60*
** Mobilization: 90% Street / 10% Storm*				
Total Funds		*$ 200,555.95*		*$ 200,555.95*

CC Regular Session **5. 8.**

Meeting Date: 10/25/2022

Submitted For: Bruce Westby, Engineering/Public Works

By: Marsha Weidner, Engineering/Public Works

Information

Title

Adopt Resolution #22-137 Authorizing Partial Payment No. 5, to Douglas-Kerr Underground, LLC. for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bowers Drive.

Purpose/Background:

Resolution and Pay Estimate Attached.

Recommendation:

The Senior Engineer Technician has inspected the completed work and recommends partial payment no. 5 to Douglas-Kerr Underground, LLC., of Mora, Minnesota, for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bower Drive, in the amount of $85,767.90.

Action:

Motion to adopt Resolution #22-137 authorizing partial payment no. 5 to Douglas-Kerr Underground, LLC., of Mora, Minnesota for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bower Drive, in the amount of $85,767.90.

Attachments

Resolution

Pay Estimate #5

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	10/20/2022 01:24 PM
Brian Hagen	Brian Hagen	10/20/2022 01:50 PM
Form Started By: Marsha Weidner		Started On: 10/13/2022 01:29 PM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-137

RESOLUTION AUTHORIZING PARTIAL PAYMENT NO. 5 TO DOUGLAS-KERR UNDERGROUND, LLC., FOR IMPROVEMENT PROJECT #22-05, RIVERDALE DRIVE TRUNK UTILITY IMPROVEMENTS, LLAMA STREET TO BOWERS DRIVE

WHEREAS, pursuant to Ramsey City Council Resolution #21-305 adopted October 26, 2021, the City Council accepted the design services proposal of Bolton & Menk, Inc. for providing engineering services required to develop final plans and specifications for the purpose of soliciting bids for the construction of Improvement Project #22-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-040 the City Council approved the plans and specifications prepared by Bolton & Menk, Inc. for the making of such improvements, and authorized the advertisement of bids for the same improvements as City Improvement Project #22-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-072 the City Council authorized entering into a construction contract with Douglas-Kerr Underground, LLC., for the making of such improvements at the contract price of $2,163,890.22; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-087 the City Council authorized Change Order No. 1, reducing the contract price to $2,124,737.72; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-199 Douglas Kerr Underground removed the septic tank on May 3, 2022, in accordance with Change Order #2; and

WHEREAS, as of October 25, 2022 $1,856,181.67 has been paid to date; and

WHEREAS, the Senior Engineer Technician has inspected the completed work and recommends partial payment no. 5 to Douglas-Kerr Underground, LLC., of Mora, Minnesota, for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bower Drive, in the amount of $85,767.90.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the City Council hereby authorizes partial payment no. 5 to Douglas-Kerr Underground, LLC., of Mora, Minnesota for Improvement Project #22-05, Riverdale Drive Trunk Utility Improvements, Llama Street to Bower Drive, in the amount of $85,767.90.

2) The City Council authorizes the Mayor and City Administrator to sign and release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of October 25, 2022.

4) That the City of Ramsey Finance Department will be given a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

_____
Mayor

ATTEST:

_____
City Clerk

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	22-05
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.127005
Contractor:	Douglas-Kerr Underground, L.L.C	**Agency's Project No.:**	S.A.P. 199-115-004
Project:	2022 Riverdale Drive Trunk Utility Improvements		
Contract:			

Application No.: 5 **Application Date:** 10/6/2022

Application Period: From 9/1/2022 to 9/30/2022

1. Original Contract Price	$	2,163,890.22
2. Net change by Change Orders	$	(29,352.50)
3. Current Contract Price (Line 1 + Line 2)	$	2,134,537.72
4. Total Work completed and materials stored to date (Sum of Column G Lump Sum Total and Column J Unit Price Total)	$	2,044,157.44
5. Retainage		
a. 5% X $ 2,044,157.44 Work Completed	$	102,207.87
b. X $ - Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)	$	102,207.87
6. Amount eligible to date (Line 4 - Line 5.c)	$	1,941,949.57
7. Less previous payments	$	1,856,181.67
8. Amount due this application	$	85,767.90
9. Balance to finish, including retainage (Line 3 - Line 4)	$	90,380.28

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Douglas-Kerr Underground, LLC

Signature: [signature] **Date:** 10-7-22

Name: Dennis D. Douglas **Title:** Manager

Recommended by Engineer		**Approved by Owner**	
By:	Kevin P Kielb	**By:**	Bruce Westby
Name:	Kevin P. Kielb	**Name:**	Bruce Westby
Title:	Project Engineer	**Title:**	City Engineer
Date:	10/6/2022	**Date:**	10/12/22

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	22-05
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.127005
Contractor:	Douglas-Kerr Underground, L.L.C.	Contractor's Project No.:	
Project:	2022 Riverdale Drive Trunk Utility Improvements	Agency's Project No.:	S.A.P. 199-115-004
Contract:			

Application No.: 5 Application Period: From 09/01/22 to 09/30/22 Application Date: 10/06/22

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
					Original Contract								
1	MOBILIZATION	1.00	LUMP SUM	22,635.00	22,635.00	0.75	16,976.25	1.00	22,635.00		22,635.00	100%	-
2	CLEARING	35.00	EACH	300.00	10,500.00	35.00	10,500.00	35.00	10,500.00		10,500.00	100%	-
3	GRUBBING	35.00	EACH	87.50	3,062.50	35.00	3,062.50	35.00	3,062.50		3,062.50	100%	-
4	ABANDON & SEAL WELL	1.00	EACH	2,000.00	2,000.00	1.00	2,000.00	1.00	2,000.00		2,000.00	100%	-
5	REMOVE MISCELLANEOUS STRUCTURE (LANDSCAPING)	1.00	EACH	271.50	271.50	1.00	271.50	1.00	271.50		271.50	100%	-
6	REMOVE FENCE	220.00	LIN FT	3.90	858.00	220.00	858.00	220.00	858.00		858.00	100%	-
7	REMOVE CURB AND GUTTER	100.00	LIN FT	5.65	565.00	100.00	565.00	100.00	565.00		565.00	100%	-
8	REMOVE BITUMINOUS PAVEMENT	1,670.00	SQ YD	2.00	3,340.00	1,670.00	3,340.00	1,670.00	3,340.00		3,340.00	100%	-
9	REMOVE CONCRETE PAVEMENT	90.00	SQ YD	4.00	360.00	90.00	360.00	90.00	360.00		360.00	100%	-
10	DEWATERING (UTILITY TRENCHES)	1.00	LUMP SUM	0.01	0.01	-	-	-	-		-		0.01
11	GRANULAR BORROW (CV)	1,000.00	CU YD	5.10	5,100.00	-	-	-	-		-		5,100.00
12	EXCAVATION - COMMON (P) (EV)	18,190.00	CUYD	2.80	50,932.00	18,190.00	50,932.00	18,190.00	50,932.00		50,932.00	100%	-
13	EXCAVATION - CHANNEL AND POND	7,760.00	CUYD	2.15	16,684.00	7,760.00	16,684.00	7,760.00	16,684.00		16,684.00	100%	-
14	COMMON EMBANKMENT (P) (CV)	9,150.00	CU YD	1.75	16,012.50	9,150.00	16,012.50	9,150.00	16,012.50		16,012.50	100%	-
15	EXCAVATION - SUBGRADE (EV)	2,500.00	CU YD	2.45	6,125.00	2,500.00	6,125.00	3,928.00	9,623.60		9,623.60	157%	(3,498.60)
16	STREET SWEEPER (WITH PICKUP BROOM)	12.00	HOUR	150.00	1,800.00	-	-	-	-		-		1,800.00
17	15" RC PIPE APRON	1.00	EACH	1,026.00	1,026.00	1.00	1,026.00	1.00	1,026.00		1,026.00	100%	-
18	18" RC PIPE APRON	2.00	EACH	1,094.00	2,188.00	2.00	2,188.00	2.00	2,188.00		2,188.00	100%	-
19	24" RC PIPE APRON	1.00	EACH	1,289.00	1,289.00	1.00	1,289.00	1.00	1,289.00		1,289.00	100%	-
20	TRASH GUARD FOR 15" PIPE APRON	1.00	EACH	736.70	736.70	1.00	736.70	1.00	736.70		736.70	100%	-
21	TRASH GUARD FOR 18" PIPE APRON	2.00	EACH	796.00	1,592.00	2.00	1,592.00	2.00	1,592.00		1,592.00	100%	-
22	TRASH GUARD FOR 24" PIPE APRON	1.00	EACH	1,592.00	1,592.00	1.00	1,592.00	1.00	1,592.00		1,592.00	100%	-
23	8" PVC PIPE SEWER SDR 26	3,360.00	LIN FT	47.20	158,592.00	3,459.00	163,264.80	3,459.00	163,264.80		163,264.80	103%	(4,672.80)
24	10" PVC PIPE SEWER SDR 26	50.00	LIN FT	78.10	3,905.00	-	-	-	-		-		3,905.00
25	15" PVC PIPE SEWER SDR 26	890.00	LIN FT	82.10	73,069.00	889.00	72,986.90	889.00	72,986.90		72,986.90	100%	82.10
26	15" RC PIPE SEWER DESIGN 3006 CLASS V	985.00	LIN FT	55.80	54,963.00	986.00	55,018.80	986.00	55,018.80		55,018.80	100%	(55.80)
27	18" RC PIPE SEWER DESIGN 3006 CLASS V	2,600.00	LIN FT	54.40	141,440.00	2,604.00	141,657.60	2,604.00	141,657.60		141,657.60	100%	(217.60)
28	24" RC PIPE SEWER DESIGN 3006 CLASS III	2,040.00	LIN FT	66.10	134,844.00	2,033.00	134,381.30	2,033.00	134,381.30		134,381.30	100%	462.70
29	8" PIPE PLUG	10.00	EACH	368.00	3,680.00	11.00	4,048.00	11.00	4,048.00		4,048.00	110%	(368.00)
30	CONNECT TO EXISTING SANITARY MANHOLE (CORE & BOOT)	1.00	EACH	2,182.00	2,182.00	1.00	2,182.00	1.00	2,182.00		2,182.00	100%	-
31	CONNECT TO EXISTING SANITARY SEWER	2.00	EACH	0.01	0.02	-	-	-	-		-		0.02
32	CONNECT TO EXISTING STORM SEWER	2.00	EACH	2,270.00	4,540.00	2.00	4,540.00	2.00	4,540.00		4,540.00	100%	-
33	12" FORCEMAIN HDPE PIPE SEWER DR 11	820.00	LIN FT	61.05	50,061.00	800.00	48,840.00	800.00	48,840.00		48,840.00	98%	1,221.00
34	SANITARY MANHOLE COATING	11.00	LIN FT	227.30	2,500.30	11.00	2,500.30	11.00	2,500.30		2,500.30	100%	-
35	CLEAN & TELEVISE PIPE SEWER	3,860.00	LIN FT	1.30	5,018.00	-	-	-	-		-		5,018.00
36	4" INSULATION	80.00	SQ YD	35.35	2,828.00	21.60	763.56	21.60	763.56		763.56	27%	2,064.44
37	CONNECT TO EXISTING WATER MAIN	2.00	EACH	1,222.00	2,444.00	1.00	1,222.00	1.00	1,222.00		1,222.00	50%	1,222.00
38	6" GATE VALVE & BOX	9.00	EACH	1,866.00	16,794.00	9.00	16,794.00	9.00	16,794.00		16,794.00	100%	-
39	8" GATE VALVE & BOX	13.00	EACH	2,602.00	33,826.00	13.00	33,826.00	13.00	33,826.00		33,826.00	100%	-
40	12" GATE VALVE & BOX	9.00	EACH	4,374.00	39,366.00	10.00	43,740.00	10.00	43,740.00		43,740.00	111%	(4,374.00)
41	HYDRANT (8.5' BURY)	10.00	EACH	5,434.00	54,340.00	10.00	54,340.00	10.00	54,340.00		54,340.00	100%	-
42	6" WATERMAIN DUCTILE IRON CL 53	80.00	LIN FT	48.65	3,892.00	67.00	3,259.55	67.00	3,259.55		3,259.55	84%	632.45
43	8" WATERMAIN DUCTILE IRON CL 52	900.00	LIN FT	59.25	53,325.00	-	-	-	-		-		53,325.00
44	12" WATERMAIN DUCTILE IRON CL 52	3,950.00	LIN FT	81.45	321,727.50	-	-	-	-		-		321,727.50
45	WATERMAIN FITTINGS	4,260.00	POUND	9.80	41,748.00	4,263.00	41,777.40	4,263.00	41,777.40		41,777.40	100%	(29.40)
46	CASTING ASSEMBLY (STORM)	3.00	EACH	1,340.00	4,020.00	3.00	4,020.00	3.00	4,020.00		4,020.00	100%	-
47	CONSTRUCT SANITARY SEWER MANHOLE	232.00	LIN FT	364.50	84,564.00	230.44	83,995.38	230.44	83,995.38		83,995.38	99%	568.62
48	CONSTRUCT DRAINAGE STRUCTURE DESIGN 72-4020	7.00	LIN FT	995.90	6,971.30	6.15	6,124.79	6.15	6,124.79		6,124.79	88%	846.51
49	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	43.00	LIN FT	829.50	35,668.50	42.74	35,452.83	42.74	35,452.83		35,452.83	99%	215.67
50	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	88.00	LIN FT	533.10	46,912.80	87.19	46,480.99	87.19	46,480.99		46,480.99	99%	431.81
51	CONSTRUCT DRAINAGE STRUCTURE DESIGN H	9.00	LIN FT	398.50	3,586.50	8.65	3,447.03	8.65	3,447.03		3,447.03	96%	139.47
52	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 1	44.00	LIN FT	430.10	18,924.40	43.73	18,808.27	43.73	18,808.27		18,808.27	99%	116.13
53	CONSTRUCT 8" INSIDE DROP	4.00	LIN FT	373.00	1,492.00	4.00	1,492.00	4.00	1,492.00		1,492.00	100%	-
54	RANDOM RIPRAP CL III	20.00	CUYD	137.70	2,754.00	20.00	2,754.00	20.00	2,754.00		2,754.00	100%	-
55	8" CONCRETE DRIVEWAY PAVEMENT	55.00	SQ YD	124.00	6,820.00	-	-	-	-		-		6,820.00
56	STEEL PLATE	50.00	EACH	125.00	6,250.00	50.00	6,250.00	50.00	6,250.00		6,250.00	100%	-
57	TRAFFIC CONTROL	1.00	LUMP SUM	1,450.00	1,450.00	0.75	1,087.50	1.00	1,450.00		1,450.00	100%	-
58	STABILIZED CONSTRUCTION EXIT	1.00	LUMP SUM	3,058.00	3,058.00	-	-	-	-		-		3,058.00

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey
Engineer:	Bolton & Menk, Inc.
Contractor:	Douglas-Kerr Underground, L.L.C
Project:	2022 Riverdale Drive Trunk Utility Improvements
Contract:	

Owner's Project No.: 22-05
Engineer's Project No.: 0R1.127005
Contractor's Project No.:
Agency's Project No.: S.A.P. 199-115-004

Application No.: 5 Application Period: From 09/01/22 to 09/30/22 Application Date: 10/06/22

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
59	STORM DRAIN INLET PROTECTION	34.00	EACH	188.10	6,395.40	-	-	-	-		-		6,395.40
60	SILT FENCE, TYPE MS	3,100.00	LIN FT	2.00	6,200.00	2,488.00	4,976.00	2,488.00	4,976.00		4,976.00	80%	1,224.00
61	SEDIMENT CONTROL LOG TYPE WOOD FIBER	1,400.00	LIN FT	3.00	4,200.00	-	-	-	-		-		4,200.00
62	FERTILIZER TYPE 3	1,425.00	POUND	0.70	997.50	-	-	-	-		-		997.50
63	ROLLED EROSION PREVENTION CAT. 20	4,840.00	SQ YD	1.25	6,050.00	-	-	-	-		-		6,050.00
64	SEEDING	5.30	ACRE	300.00	1,590.00	3.80	1,140.00	3.80	1,140.00		1,140.00	72%	450.00
65	RAPID STABILIZATION METHOD 2	1.00	ACRE	1,000.00	1,000.00	-	-	-	-		-		1,000.00
66	SEEDING MIXTURE 25-121	425.00	POUND	5.45	2,316.25	342.00	1,863.90	342.00	1,863.90		1,863.90	80%	452.35
67	SEEDING MIXTURE 35-241	55.00	POUND	15.10	830.50	-	-	-	-		-		830.50
68	HYDRAULIC BONDED FIBER MATRIX	15,875.00	POUND	1.25	19,843.75	13,510.00	16,887.50	13,510.00	16,887.50		16,887.50	85%	2,956.25
69	MOBILIZATION	1.00	LUMP SUM	0.01	0.01	1.00	0.01	1.00	0.01		0.01	100%	-
70	DEWATERING (LIFT STATION)	1.00	LUMP SUM	72,014.00	72,014.00	1.00	72,014.00	1.00	72,014.00		72,014.00	100%	-
71	GRANULAR BORROW (CV)	50.00	CU YD	15.80	790.00	-	-	-	-		-		790.00
72	EXCAVATION - COMMON (P) (EV)	450.00	CUYD	11.95	5,377.50	-	-	450.00	5,377.50		5,377.50	100%	-
73	COMMON EMBANKMENT (P) (CV)	270.00	CU YD	7.35	1,984.50	-	-	270.00	1,984.50		1,984.50	100%	-
74	EXCAVATION - SUBGRADE (EV)	50.00	CU YD	9.00	450.00	-	-	-	-		-		450.00
75	AGGREGATE BASE (CV) FROM STOCKPILE	115.00	CUYD	15.60	1,794.00	26.00	405.60	26.00	405.60		405.60	23%	1,388.40
76	TYPE SP 9.5 WEARING COURSE MIX (3,C)	125.00	TON	125.00	15,625.00	10.00	1,250.00	120.80	15,100.00		15,100.00	97%	525.00
77	10" PVC PIPE SEWER SDR 26	120.00	LIN FT	66.80	8,016.00	106.00	7,080.80	106.00	7,080.80		7,080.80	88%	935.20
78	CONNECT TO EXISTING SANITARY SEWER	2.00	EACH	0.01	0.02	2.00	0.02	2.00	0.02		0.02	100%	-
79	12" FORCEMAIN HDPE PIPE SEWER DR 11	75.00	LIN FT	64.90	4,867.50	61.00	3,958.90	61.00	3,958.90		3,958.90	81%	908.60
80	CONNECT TO EXISTING WATER MAIN	1.00	EACH	0.01	0.01	1.00	0.01	1.00	0.01		0.01	100%	-
81	6" GATE VALVE & BOX	1.00	EACH	2,000.00	2,000.00	1.00	2,000.00	1.00	2,000.00		2,000.00	100%	-
82	HYDRANT (8.5' BURY)	1.00	EACH	5,434.00	5,434.00	1.00	5,434.00	1.00	5,434.00		5,434.00	100%	-
83	6" WATERMAIN DUCTILE IRON CL 53	85.00	LIN FT	49.35	4,194.75	86.00	4,244.10	86.00	4,244.10		4,244.10	101%	(49.35)
84	WATERMAIN FITTINGS	200.00	POUND	0.01	2.00	-	-	-	-		-		2.00
85	CONSTRUCT TRIPLEX LIFT STATION	1.00	LUMP SUM	397,001.00	397,001.00	0.75	297,750.75	0.90	357,300.90		357,300.90	90%	39,700.10
86	8" CONCRETE DRIVEWAY PAVEMENT	112.00	SQ YD	120.00	13,440.00	100.00	12,000.00	100.00	12,000.00		12,000.00	89%	1,440.00
87	BOLLARD	4.00	EACH	500.00	2,000.00	8.00	4,000.00	8.00	4,000.00		4,000.00	200%	(2,000.00)
88	SEDIMENT CONTROL LOG TYPE WOOD FIBER	400.00	LIN FT	3.00	1,200.00	-	-	-	-		-		1,200.00
89	FERTILIZER TYPE 3	60.00	POUND	0.70	42.00	-	-	-	-		-		42.00
90	SEEDING	0.20	ACRE	1,500.00	300.00	-	-	-	-		-		300.00
91	SEEDING MIXTURE 25-121	20.00	POUND	5.45	109.00	-	-	-	-		-		109.00
92	HYDRAULIC BONDED FIBER MATRIX	800.00	POUND	2.00	1,600.00	-	-	-	-		-		1,600.00
				Original Contract Totals	$ 2,163,890.22		$ 1,606,171.03		$ 1,696,453.04	$ -	$ 1,696,453.04	78%	$ 467,437.18

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey
Engineer:	Bolton & Menk, Inc.
Contractor:	Douglas-Kerr Underground, L.L.C
Project:	2022 Riverdale Drive Trunk Utility Improvements
Contract:	
Owner's Project No.:	22-05
Engineer's Project No.:	0R1.127005
Contractor's Project No.:	
Agency's Project No.:	S.A.P. 199-115-004

Application No.: 5 Application Period: From 09/01/22 to 09/30/22 Application Date: 10/06/22

A	B	C	D	E	F	F1	F2	G	H	I	J	K	L
		Contract Information				Previous Estimate		Work Completed					
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	Materials Currently Stored (not in G) ($)	Work Completed and Materials Stored to Date (H + I) ($)	% of Value of Item (J / F) (%)	Balance to Finish (F - J) ($)
						Change Orders							
CO1-1R	8" WATERMAIN DUCTILE IRON CL 52	(900.00)	LIN FT	59.25	(53,325.00)	-	-	-	-		-		(53,325.00)
CO1-2R	12" WATERMAIN DUCTILE IRON CL 52	(3,950.00)	LIN FT	81.45	(321,727.50)	-	-	-	-		-		(321,727.50)
CO1-1	8" PVC WATERMAIN	900.00	LIN FT	50.60	45,540.00	954.00	48,272.40	954.00	48,272.40		48,272.40	106%	(2,732.40)
CO1-2	12" PVC WATERMAIN	3,950.00	LIN FT	72.80	287,560.00	3,940.00	286,832.00	3,940.00	286,832.00		286,832.00	100%	728.00
CO2-1	REMOVE SEPTIC TANK	1.00	LUMPSUM	2,800.00	2,800.00	1.00	2,800.00	1.00	2,800.00		2,800.00	100%	-
CO3-1	BUILDING REMOVAL	1.00	LUMP SUM	9,800.00	9,800.00	1.00	9,800.00	1.00	9,800.00		9,800.00	100%	-
					-		-		-		-		-
				Change Order Totals	$ (29,352.50)		$ 347,704.40		$ 347,704.40	$ -	$ 347,704.40	NA	$ (2,004.40)
						Original Contract and Change Orders							
				Project Totals	$ 2,134,537.72		$ 1,953,875.44		$ 2,044,157.44	$ -	$ 2,044,157.44	96%	$ 465,432.78

Unit Price

CC Regular Session **5. 9.**

Meeting Date: 10/25/2022

Submitted For: Bruce Westby, Engineering/Public Works

By: Marsha Weidner, Engineering/Public Works

Information

Title

Adopt Resolution #22-239 Authorizing Partial Payment No. 2, to Douglas-Kerr Underground, LLC. for Improvement Project #20-05, Riverdale Drive Extension

Purpose/Background:

Resolution and Pay Estimate Attached

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Douglas-Kerr Underground, LLC., of Mora, Minnesota, for said project, in the amount of $341,400.51.

Action:

Motion to adopt Resolution #22-239 Authorizing Partial Payment No. 2, to Douglas-Kerr Underground, LLC. of Mora, Minnesota, for Improvement Project #20-05, Riverdale Drive Extension, in the amount of $341,400.51.

Attachments

Resolution

Pay Estimate #2

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	10/20/2022 01:21 PM
Bruce Westby	Bruce Westby	10/20/2022 02:54 PM
Brian Hagen	Brian Hagen	10/20/2022 02:55 PM
Form Started By: Marsha Weidner		Started On: 10/13/2022 02:33 PM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-239

RESOLUTION AUTHORIZING PARTIAL PAYMENT NO. 2 TO DOUGLAS-KERR UNDERGROUND, LLC., FOR IMPROVEMENT PROJECT #20-05, RIVERDALE DRIVE EXTENSION, LLAMA STREET TO BOWERS DRIVE

WHEREAS, existing Riverdale Drive between Sunfish Lake Boulevard and Armstrong Boulevard functions as the south frontage road to U.S. Highway 10/169; and

WHEREAS, the City of Ramsey proposes to extend Riverdale Drive between Llama Street and Bowers Drive to extend the south frontage road system south of U.S. Highway 10/169 to Bowers Drive; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-267 adopted September 14, 2021, the City Council accepted the awarded amount of $612,000 in Local Partnership Program (LPP) funds to pay for a portion of Improvement Project #20-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-304 adopted October 26, 2021, the City Council accepted a design services proposal of Bolton & Menk, Inc. to develop final plans and specifications and solicit bids for Improvement Project #20-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-071 adopted March 22, 2022, the City Council approved three Assessment Agreements for Improvement Project #20- 05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-088 adopted April 12, 2022, the City Council approved including the reconstruction of Riverdale Drive between Llama Street and the segment of Riverdale Drive constructed as part of the Armstrong Boulevard & Highway 10 interchange under Improvement Project #20-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-148 adopted June 28, 2022, the City Council approved the plans and specifications prepared by Bolton & Menk, Inc. and authorized the advertisement of bids for Improvement Project #20-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-158 adopted July 12, 2022, the City Council approved Cooperative Construction Agreement #1050030 with the State of Minnesota, Department of Transportation, as related to City Improvement Project #20-05; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-176 adopted August 8, 2022, the City Council authorized entering into a construction contract with Douglas-Kerr Underground, LLC., for the making of such improvements at the contract price of $2,342,102.66; and

WHEREAS, as of October 25, 2022 $49,989.95 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Douglas-Kerr Underground, LLC., of Mora, Minnesota, for said project, in the amount of $341,400.51.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the City Council hereby authorizes partial payment No. 2 to Douglas-Kerr Underground, LLC., of Mora, Minnesota for Improvement Project #20-05, Riverdale Drive Extension, Llama Street to Bower Drive, in the amount of $341,400.51.

2) The City Council authorizes the Mayor and Interim City Administrator to sign and release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of October 25, 2022.

4) That the City of Ramsey Finance Department will be given a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember ____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

Mayor

ATTEST:

City Clerk

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	20-05
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.125908, 0R1.128236
Contractor:	Douglas-Kerr Underground, LLC	**Agency's Project No.:**	SP 020-121, SAP 119-115-005
Project:	2022 Riverdale Drive Extension		
Contract:			

Application No.: 2 **Application Date:** 10/6/2022
Application Period: From 9/10/2022 to 9/30/2022

1. Original Contract Price	$	2,342,102.66
2. Net change by Change Orders	$	-
3. Current Contract Price (Line 1 + Line 2)	$	2,342,102.66
4. Total Work completed and materials stored to date (Sum of Column H Unit Price Total and Column M Stored Materials)	$	411,989.96
5. Retainage		
a. 5% X $ 411,989.96 Work Completed	$	20,599.50
b. X $ - Stored Materials	$	-
c. Total Retainage (Line 5.a + Line 5.b)	$	20,599.50
6. Amount eligible to date (Line 4 - Line 5.c)	$	391,390.46
7. Less previous payments	$	49,989.95
8. Amount due this application	$	**341,400.51**
9. Balance to finish, including retainage (Line 3 - Line 4)	$	1,930,112.70

Contractor's Certification

The undersigned Contractor certifies, to the best of its knowledge, the following:
(1) All previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with the Work covered by prior Applications for Payment;
(2) Title to all Work, materials and equipment incorporated in said Work, or otherwise listed in or covered by this Application for Payment, will pass to Owner at time of payment free and clear of all liens, security interests, and encumbrances (except such as are covered by a bond acceptable to Owner indemnifying Owner against any such liens, security interest, or encumbrances); and
(3) All the Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

Contractor: Douglas-Kerr Underground, LLC
Signature: [signature] **Date:** 10-10-22
Name: Dennis D. Douglas **Title:** Manager

Recommended by Engineer		**Approved by Owner**	
By:	Kevin P Kielb	**By:**	Bruce Westby
Name:	Kevin P. Kielb	**Name:**	Bruce Westby
Title:	Project Engineer	**Title:**	City Engineer
Date:	10/6/2022	**Date:**	10/12/22

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	20-05
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.125908, 0R1.128236
Contractor:	Douglas-Kerr Underground, LLC	Contractor's Project No.:	
Project:	2022 Riverdale Drive Extension	Agency's Project No.:	SP 020-121, SAP 119-115-005
Contract:			

Application No.: 2 Application Period: From 09/10/22 to 09/30/22 Application Date: 10/06/22

A	B	C	D	E	F	F1	F2	G	H	I	J
		Contract Information				Previous Estimate		Work Completed			
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	% of Value of Item (H / F) (%)	Balance to Finish (F - H) ($)
	Original Contract										
1	AS BUILT	1.00	LUMP SUM	3,800.00	3,800.00	-	-	-	-		3,800.00
2	MOBILIZATION	1.00	LUMP SUM	101,000.00	101,000.00	0.25	25,250.00	0.50	50,500.00		50,500.00
3	PAVEMENT MARKING REMOVAL	1,550.00	LIN FT	1.50	2,325.00	-	-	-	-		2,325.00
4	REMOVE ANCHORAGE ASSEMBLY - TENSION CABLE	3.00	EACH	4,500.00	13,500.00	-	-	-	-		13,500.00
5	REMOVE MAIL BOX & SUPPORT	1.00	EACH	250.00	250.00	-	-	-	-		250.00
6	SALVAGE SIGN	8.00	EACH	45.00	360.00	-	-	-	-		360.00
7	REMOVE SIGN	15.00	EACH	45.00	675.00	-	-	-	-		675.00
8	REMOVE PIPE APRON	8.00	EACH	151.55	1,212.40	-	-	-	-		1,212.40
9	REMOVE TENSION CABLE GUARDRAIL	547.00	LIN FT	8.50	4,649.50	-	-	-	-		4,649.50
10	REMOVE PIPE CULVERT	206.00	LIN FT	15.50	3,193.00	-	-	-	-		3,193.00
11	SAWING BIT PAVEMENT (FULL DEPTH)	3,165.00	LIN FT	3.15	9,969.75	-	-	230.00	724.50		9,245.25
12	SAWING CONCRETE PAVEMENT (FULL DEPTH)	40.00	LIN FT	3.70	148.00	-	-	40.00	148.00		-
13	REMOVE CURB AND GUTTER	350.00	LIN FT	3.85	1,347.50	-	-	350.00	1,347.50		-
14	REMOVE BITUMINOUS PAVEMENT	9,110.00	SQ YD	3.90	35,529.00	6,015.00	23,458.50	6,015.00	23,458.50		12,070.50
15	REMOVE CONCRETE PAVEMENT	490.00	SQ YD	7.80	3,822.00	400.00	3,120.00	400.00	3,120.00		702.00
16	EXCAVATION - COMMON (EV)	2,335.00	CU YD	30.45	71,100.75	-	-	-	-		71,100.75
17	EXCAVATION - SUBGRADE (EV)	50.00	CU YD	11.55	577.50	-	-	-	-		577.50
18	COMMON EMBANKMENT (CV)	100.00	CU YD	14.00	1,400.00	-	-	-	-		1,400.00
19	SUBGRADE PREPARATION	61.00	ROAD ST	251.90	15,365.90	-	-	51.00	12,846.90		2,519.00
20	AGGREGATE SURFACING (CV) CLASS 2	105.00	CU YD	132.25	13,886.25	-	-	-	-		13,886.25
21	STREET SWEEPER (WITH PICKUP BROOM)	16.00	HOUR	150.00	2,400.00	-	-	-	-		2,400.00
22	AGGREGATE BASE (CV) CLASS 5 MODIFIED	4,170.00	CU YD	36.20	150,954.00	-	-	-	-		150,954.00
23	AGGREGATE BASE (CV) CLASS 6	50.00	CU YD	62.40	3,120.00	-	-	-	-		3,120.00
24	AGGREGATE BASE (CV) FROM STOCKPILE	2,800.00	CU YD	14.70	41,160.00	-	-	2,800.00	41,160.00		-
25	TYPE SP 9.5 WEARING COURSE MIX (3,C)	3,120.00	TON	96.45	300,924.00	-	-	40.82	3,937.09		296,986.91
26	TYPE SP 9.5 WEARING COURSE MIX (3,C)	840.00	TON	105.60	88,704.00	-	-	-	-		88,704.00
27	TYPE SP 12.5 NON WEARING COURSE MIX (3,C)	3,750.00	TON	88.15	330,562.50	-	-	-	-		330,562.50
28	TYPE SP 12.5 WEARING COURSE MIX (4,F)	140.00	TON	125.35	17,549.00	-	-	-	-		17,549.00
29	TYPE SP 12.5 NON WEAR COURSE MIX (4,B)	140.00	TON	106.55	14,917.00	-	-	-	-		14,917.00
30	FINE AGGREGATE BEDDING (CV)	36.00	CU YD	21.15	761.40	-	-	-	-		761.40
31	22" SPAN RC PIPE-ARCH APRON	2.00	EACH	3,093.00	6,186.00	-	-	-	-		6,186.00
32	22" SPAN RC PIPE-ARCH CULVERT CL IVA	84.00	LIN FT	154.50	12,978.00	-	-	-	-		12,978.00
33	15" RC PIPE SEWER DESIGN 3006 CLASS V	8.00	LIN FT	89.35	714.80	-	-	7.00	625.45		89.35
34	24" RC PIPE SEWER DESIGN 3006 CLASS III	16.00	LIN FT	113.95	1,823.20	-	-	-	-		1,823.20
35	4" PVC PIPE SEWER	130.00	LIN FT	26.70	3,471.00	-	-	-	-		3,471.00
36	6" PVC PIPE SEWER	90.00	LIN FT	55.40	4,986.00	-	-	83.00	4,598.20		387.80
37	8" PVC PIPE SEWER	185.00	LIN FT	94.90	17,556.50	-	-	34.00	3,226.60		14,329.90
38	8"X4" PVC WYE	2.00	EACH	1,007.00	2,014.00	-	-	-	-		2,014.00
39	CONNECT TO EXISTING SANITARY SEWER	3.00	EACH	3,303.00	9,909.00	-	-	2.00	6,606.00		3,303.00
40	CONNECT TO EXISTING STORM SEWER	2.00	EACH	3,521.00	7,042.00	-	-	2.00	7,042.00		-
41	ADJUST GATE VALVE BOX	21.00	EACH	835.95	17,554.95	-	-	-	-		17,554.95
42	CONNECT TO EXISTING WATER MAIN	5.00	EACH	2,498.00	12,490.00	-	-	2.00	4,996.00		7,494.00
43	6" GATE VALVE & BOX	4.00	EACH	3,164.00	12,656.00	-	-	1.00	3,164.00		9,492.00
44	8" GATE VALVE & BOX	2.00	EACH	4,395.00	8,790.00	-	-	1.00	4,395.00		4,395.00

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	Owner's Project No.:	20-05
Engineer:	Bolton & Menk, Inc.	Engineer's Project No.:	0R1.125908, 0R1.128236
Contractor:	Douglas-Kerr Underground, LLC	Contractor's Project No.:	
Project:	2022 Riverdale Drive Extension	Agency's Project No.:	SP 020-121, SAP 119-115-005
Contract:			

Application No.: 2 Application Period: From 09/10/22 to 09/30/22 Application Date: 10/06/22

A	B	C	D	E	F	F1	F2	G	H	I	J
		Contract Information				Previous Estimate		Work Completed			
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	% of Value of Item (H / F) (%)	Balance to Finish (F - H) ($)
45	12" GATE VALVE & BOX	3.00	EACH	6,888.00	20,664.00	-	-	-	-		20,664.00
46	HYDRANT	3.00	EACH	6,233.00	18,699.00	-	-	-	-		18,699.00
47	1" CURB STOP & BOX	2.00	EACH	1,166.00	2,332.00	-	-	-	-		2,332.00
48	1" SADDLE	2.00	EACH	945.85	1,891.70	-	-	-	-		1,891.70
49	1" TYPE K COPPER PIPE	115.00	LIN FT	21.95	2,524.25	-	-	-	-		2,524.25
50	6" WATERMAIN DUCTILE IRON CL 53	65.00	LIN FT	80.35	5,222.75	-	-	44.00	3,535.40		1,687.35
51	8" WATERMAIN	280.00	LIN FT	83.50	23,380.00	-	-	92.00	7,682.00		15,698.00
52	12" WATERMAIN	880.00	LIN FT	86.50	76,120.00	-	-	-	-		76,120.00
53	STEEL CASING (TRENCHLESS)	395.00	LIN FT	502.00	198,290.00	-	-	-	-		198,290.00
54	12" WATERMAIN (IN CASING)	395.00	LIN FT	146.20	57,749.00	-	-	-	-		57,749.00
55	WATERMAIN FITTINGS	760.00	POUND	11.80	8,968.00	-	-	153.00	1,805.40		7,162.60
56	CASTING ASSEMBLY	60.00	EACH	1,200.00	72,000.00	-	-	36.00	43,200.00		28,800.00
57	CONSTRUCT SANITARY SEWER MANHOLE	26.00	LIN FT	538.95	14,012.70	-	-	12.31	6,634.47		7,378.23
58	CONSTRUCT DRAINAGE STRUCTURE DES 48-4020	4.00	LIN FT	1,356.00	5,424.00	-	-	4.00	5,424.00		-
59	CONSTRUCT DRAINAGE STRUCTURE DES 60-4020	4.00	LIN FT	1,622.00	6,488.00	-	-	4.00	6,488.00		-
60	SEAL MANHOLE	20.00	EACH	181.50	3,630.00	-	-	-	-		3,630.00
61	6" CONCRETE WALK	3,140.00	SQ FT	9.90	31,086.00	-	-	-	-		31,086.00
62	CONCRETE CURB AND GUTTER DESIGN B618	10,325.00	LIN FT	13.60	140,420.00	-	-	9,746.00	132,545.60		7,874.40
63	CONCRETE CURB AND GUTTER DESIGN D418	200.00	LIN FT	25.60	5,120.00	-	-	224.00	5,734.40		(614.40)
64	6" CONCRETE DRIVEWAY PAVEMENT	30.00	SQ YD	63.00	1,890.00	-	-	-	-		1,890.00
65	8" CONCRETE DRIVEWAY PAVEMENT	540.00	SQ YD	65.60	35,424.00	-	-	327.00	21,451.20		13,972.80
66	TRUNCATED DOMES	380.00	SQ FT	50.00	19,000.00	-	-	-	-		19,000.00
67	ANCHORAGE ASSEMBLY - TENSION CABLE	1.00	EACH	16,000.00	16,000.00	-	-	-	-		16,000.00
68	TENSION CABLE GUARDRAIL	982.00	LIN FT	95.00	93,290.00	-	-	-	-		93,290.00
69	TRAFFIC CONTROL 1	1.00	LUMP SUM	19,950.00	19,950.00	-	-	-	-		19,950.00
70	TRAFFIC CONTROL 2	1.00	LUMP SUM	19,950.00	19,950.00	-	-	-	-		19,950.00
71	ALTERNATE PEDESTRIAN ROUTE	1.00	LUMP SUM	1,000.00	1,000.00	-	-	-	-		1,000.00
72	INSTALL SIGN TYPE C	8.00	EACH	250.00	2,000.00	-	-	-	-		2,000.00
73	SIGN PANELS TYPE D	56.25	SQ FT	78.00	4,387.50	-	-	-	-		4,387.50
74	STABILIZED CONSTRUCTION EXIT	1.00	LUMP SUM	0.01	0.01	-	-	-	-		0.01
75	STORM DRAIN INLET PROTECTION	41.00	EACH	208.75	8,558.75	2.00	417.50	25.00	5,218.75		3,340.00
76	CULVERT END CONTROLS	2.00	EACH	278.80	557.60	-	-	-	-		557.60
77	SILT FENCE, TYPE MS	5,040.00	LIN FT	1.50	7,560.00	250.00	375.00	250.00	375.00		7,185.00
78	SEDIMENT CONTROL LOG TYPE WOOD FIBER	3,100.00	LIN FT	2.20	6,820.00	-	-	-	-		6,820.00
79	SOIL BED PREPARATION	3.80	ACRE	400.00	1,520.00	-	-	-	-		1,520.00
80	SUBSOILING	3.80	ACRE	325.00	1,235.00	-	-	-	-		1,235.00
81	FERTILIZER TYPE 3	1,140.00	POUND	0.65	741.00	-	-	-	-		741.00
82	ROLLED EROSION PREVENTION CATEGORY 20	1,100.00	SQ YD	1.40	1,540.00	-	-	-	-		1,540.00
83	SEEDING	3.80	ACRE	185.00	703.00	-	-	-	-		703.00
84	RAPID STABILIZATION METHOD 2	1.00	ACRE	1,500.00	1,500.00	-	-	-	-		1,500.00
85	SEEDING MIXTURE 25-121	370.00	POUND	5.25	1,942.50	-	-	-	-		1,942.50
86	HYDRAULIC BONDED FIBER MATRIX	12,510.00	POUND	1.50	18,765.00	-	-	-	-		18,765.00
87	4" SOLID LINE MULTI COMP	10,950.00	LIN FT	0.80	8,760.00	-	-	-	-		8,760.00
88	4" SOLID LINE MULTI COMP GROUND IN (WR)	3,100.00	LIN FT	1.90	5,890.00	-	-	-	-		5,890.00
89	24" SOLID LINE MULTI COMP	20.00	LIN FT	13.50	270.00	-	-	-	-		270.00

Progress Estimate - Unit Price Work

Contractor's Application for Payment

Owner:	City of Ramsey	**Owner's Project No.:**	20-05
Engineer:	Bolton & Menk, Inc.	**Engineer's Project No.:**	0R1.125908, 0R1.128236
Contractor:	Douglas-Kerr Underground, LLC	**Contractor's Project No.:**	
Project:	2022 Riverdale Drive Extension	**Agency's Project No.:**	SP 020-121, SAP 119-115-005
Contract:			

Application No.: 2 **Application Period:** From 09/10/22 to 09/30/22 **Application Date:** 10/06/22

A	B	C	D	E	F	F1	F2	G	H	I	J
		Contract Information				Previous Estimate		Work Completed			
Bid Item No.	Description	Item Quantity	Units	Unit Price ($)	Value of Bid Item (C X E) ($)	Quantity Previous Estimate	Value Previous Estimate	Estimated Quantity Incorporated in the Work	Value of Work Completed to Date (E X G) ($)	% of Value of Item (H / F) (%)	Balance to Finish (F - H) ($)
90	4" DOUBLE SOLID LINE MULTI COMP	4,920.00	LIN FT	1.60	7,872.00	-	-	-	-		7,872.00
91	CROSSWALK PREFORM THERMO GROUND IN ESR	180.00	SQ FT	14.00	2,520.00	-	-	-	-		2,520.00
92	CROSSWALK MULTI COMP	780.00	SQ FT	6.00	4,680.00	-	-	-	-		4,680.00
93	PAVEMENT MESSAGE THERMO GROUND IN ESR	15.00	SQ FT	28.00	420.00	-	-	-	-		420.00
		-	-	-	-	-	-	-	-		-
				Original Contract Totals	$ 2,342,102.66		$ 52,621.00		$ 411,989.96		$ 1,930,112.70

CC Regular Session **5. 10.**

Meeting Date: 10/25/2022

Submitted For: Bruce Westby, Engineering/Public Works

By: Marsha Weidner, Engineering/Public Works

Information

Title

Adopt Resolution #22-240 Authorizing Partial Payment No. 2 to Novco, Inc. for Improvement Project #22-01, Sunwood Drive and Waco Street Reconstruction.

Purpose/Background:

Resolution and Pay Estimate Attached

Recommendation:

The Senior Engineering Technician has inspected the completed work and recommends Partial Payment No. 2 to Novco, Inc., of Elk River, Minnesota, for said project, in the amount of $237,574.35.

Action:

Motion to adopt Resolution #22-240 authorizing Partial Payment No. 2 to Novco, Inc, of Elk River, Minnesota for Improvement Project 22-01, Sunwood Drive and Waco Street Reconstruction, in the amount of $237,574.35.

Attachments

Resolution

Pay Estimate

Form Review

Inbox	Reviewed By	Date
Bruce Westby	Bruce Westby	10/20/2022 01:20 PM
Brian Hagen	Brian Hagen	10/20/2022 01:50 PM
Form Started By: Marsha Weidner		Started On: 10/14/2022 04:09 PM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-240

RESOLUTION AUTHORIZING PARTIAL PAYMENT #2 TO NOVCO, INC, FOR IMPROVEMENT PROJECT #22-01, SUNWOOD DRIVE AND WACO STREET RECONSTRUCTION

WHEREAS, the City of Ramsey proposes to reconstruct Sunwood Drive between Trunk Highway 47 and Waco Street, and Waco Street between Sunwood Drive and 150th Avenue; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-194, adopted July 13, 2021, the City Council ordered the City Engineer to request proposals for Topographic Survey, Geotechnical Evaluations and Utility Testing for proposed 2022 Pavement Management Program projects, including IP 22-01; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-224, adopted August 10th, 2021, the City Council awarded a proposal to Hakanson Anderson for Topographic Survey, and Haugo Geotechnical Services for a geotechnical report of the project area; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-240, adopted August 24, 2021, the City Council awarded a proposal to Hydro-Klean, LLC for cleaning and televising the sanitary and storm sewer, and Water Conservation Services, Inc. for watermain leak testing of the project area; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-299, adopted October 26, 2021, the City Council ordered the City Engineer to prepare plans and specifications for improvement project #22-01, Sunwood Drive and Waco Street Reconstruction; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-345, adopted December 14, 2021, the City Council has approved reconstructing Waco Street to the existing pavement width as part of improvement project; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-073, adopted March 22, 2022, the City Council approved final plans and specifications as prepared by the City Engineer and authorized advertisement for bid for said improvements; and

WHEREAS, pursuant to Ramsey City Council Resolution #22-115, adopted May 24, 2022, the City Council authorized entering into a construction contract with Novco, Inc. of Elk River, Minnesota, for the said project at the contract price of $560,896.85; and

WHEREAS, as of October 25, 2022 $352,934.31 has been paid to date; and

WHEREAS, the Senior Engineering Technician has inspected the completed work and recommends partial payment No. 2 to Novco, Inc., of Elk River, Minnesota, for said project, in the amount of $237,574.35.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1.) That the City Council hereby authorizes partial payment No. 2 to Novco, Inc, of Elk River, Minnesota for Improvement Project 22-01, Sunwood Drive and Waco Street Reconstruction, in the amount of $237,574.35.

2) The City Council authorizes the Mayor and City Administrator to sign and release form for this payment.

3) The total amount of this payment is not included in resolutions approving payment of bills for the date of October 25th, 2022.

4) That the City of Ramsey Finance Department will be given a signed copy of this resolution.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember ___ and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

_____
Mayor

ATTEST:

_____
City Clerk

Pay Estimate Summary Sheet

Estimate Number:	2 Partial
Project Number:	22-01 (S.A.P. 199-105-006 & 199-111-003)
Project Name:	Sunwood Drive & Waco Street Reconstruction
Period Ending	September 30, 2022
Contractor:	Novco, Inc.
Address:	11090 173rd Avenue, Elk River, MN 55330

1	Original Contract Amount		$ 560,896.85
2	Change Order(s)	No. ____ Thru No. ____	
3	Total Funds Encumbered		$ 560,896.85
4	Value of Work Completed		$ 602,558.55
5	Retainage 1 %		$ (6,025.59)
	Percent Complete	107%	
6	Deductions or Charges		$ (6,024.30)
7	Total Earned Less Retainage (Lines 4+5+6)		$ 590,508.66
8	Previous Payment(s)		$ 352,934.31
9	**Payment Due (Lines 7-8)**		**$ 237,574.35**
10	Total Balance to Finish, Including Retainage (Lines 3-7)		$ 6,025.59

Certification of Partial Payment

I hereby certify that, to the best of my knowledge and belief, all items, quantities and prices of work and material shown on this Estimate are correct and that all work has been performed in full accordance with the terms and conditions of the Contract for this project between owner and the undersigned Contractor, and as amended by any authorized changes and the foregoing is a true and correct statement of the contract amount for the period covered by this estimate.

NOVCO INC	Shelly Purzner
Contractor Name	Print Name
vice President	
Title	Signature
	10/13/22
	Date

City of Ramsey Approval

	10/13/2022
Signature (Project Engineer)	Date
	10/14/22
Signature (City Engineer)	Date

Sunwood Drive & Waco Street Reconstruction
I.P. 22-01 (S.A.P. 199-105-006 & 199-111-003)
Estimate No. 2 Partial
Period Ending September 30, 2022

			CONTRACT AMOUNT				COMPLETED THIS PERIOD		COMPLETED TO DATE	
Item No.	MnDOT No.	Item Description	Unit	Estimated Quantity	Unit Price	Extended Total	Quantity	Extended Total	Quantity	Extended Total
1	2021.501	MOBILIZATION	LS	1.0	$ 25,000.00	$ 25,000.00	0.5	$ 12,500.00	1.0	$ 25,000.00
2	2104.502	REMOVE CASTING	EA	6	$ 575.00	$ 3,450.00	3	$ 1,725.00	9	$ 5,175.00
3	2104.502	REMOVE STRUCTURE (STORM)	EA	7	$ 1,200.00	$ 8,400.00	0	$ -	7	$ 8,400.00
4	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LF	558	$ 5.50	$ 3,069.00	505	$ 2,777.50	505	$ 2,777.50
5	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LF	196	$ 9.00	$ 1,764.00	375	$ 3,375.00	375	$ 3,375.00
6	2104.503	REMOVE CONCRETE CURB AND GUTTER	LF	562	$ 12.00	$ 6,744.00	0	$ -	827	$ 9,924.00
7	2104.503	REMOVE SEWER PIPE (STORM)	LF	236	$ 19.00	$ 4,484.00	0	$ -	260	$ 4,940.00
8	2104.504	REMOVE BITUMINOUS PAVEMENT	SY	186	$ 9.00	$ 1,674.00	183	$ 1,647.00	183	$ 1,647.00
9	2104.504	REMOVE CONCRETE PAVEMENT	SY	33	$ 15.00	$ 495.00	0	$ -	0	$ -
10	2106.607	COMMON EXCAVATION (EV)	CY	43	$ 22.00	$ 946.00	43	$ 946.00	43	$ 946.00
11	2106.607	HAUL & STOCKPILE RECLAIM MATERIAL (LV)	CY	1627	$ 15.00	$ 24,405.00	0	$ -	1631	$ 24,465.00
12	2112.519	SUBGRADE PREPARATION	RDST	26	$ 550.00	$ 14,300.00	0	$ -	26	$ 14,300.00
13	2130.523	WATER	MGAL	106	$ 10.00	$ 1,060.00	0	$ -	40	$ 400.00
14	2211.507	AGGREGATE BASE CLASS 5 MODIFIED (CV) 5.0"	CY	1641	$ 25.00	$ 41,025.00	0	$ -	1641	$ 41,025.00
15	2215.504	FULL DEPTH RECLAMATION (9.0")	SY	11713	$ 1.40	$ 16,398.20	0	$ -	11740	$ 16,436.00
16	2232.504	MILL BITUMINOUS PAVEMENT 2.0"	SY	109	$ 9.00	$ 981.00	133	$ 1,197.00	133	$ 1,197.00
17	2357.506	BITUMINOUS MATERIAL FOR TACK COAT	GAL	828	$ 3.00	$ 2,484.00	805	$ 2,415.00	805	$ 2,415.00
18	2360.509	TYPE SP 12.5 NON WEARING COURSE MIXTURE (3,C)	TON	1323	$ 87.80	$ 116,159.40	0	$ -	1466	$ 128,714.80
19	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C)	TON	1335	$ 90.75	$ 121,151.25	1481	$ 134,400.75	1481	$ 134,400.75
20	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) DRIVEWAYS	TON	2	$ 177.00	$ 354.00	1	$ 177.00	1	$ 177.00
21	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (3,C) TRAIL	TON	14	$ 177.00	$ 2,478.00	23	$ 4,071.00	23	$ 4,071.00
22	2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS III	LF	8	$ 65.00	$ 520.00	0	$ -	8	$ 520.00
23	2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS III	LF	76	$ 65.00	$ 4,940.00	0	$ -	76	$ 4,940.00
24	2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III	LF	45	$ 105.00	$ 4,725.00	0	$ -	45	$ 4,725.00
25	2503.602	CONNECT TO EXISTING SEWER (STORM)	EA	4	$ 950.00	$ 3,800.00	0	$ -	4	$ 3,800.00
26	2503.602	GROUT CATCH BASIN	EA	5	$ 550.00	$ 2,750.00	6	$ 3,300.00	6	$ 3,300.00
27	2503.602	INTERIOR CHIMNEY SEAL	EA	4	$ 450.00	$ 1,800.00	4	$ 1,800.00	4	$ 1,800.00
28	2504.602	ADJUST VALVE BOX	EA	5	$ 600.00	$ 3,000.00	6	$ 3,600.00	6	$ 3,600.00
29	2504.602	VALVE BOX SECTION	EA	3	$ 950.00	$ 2,850.00	0	$ -	3	$ 2,850.00
30	2506.502	ADJUST FRAME AND RING CASTING	EA	15	$ 450.00	$ 6,750.00	15	$ 6,750.00	15	$ 6,750.00
31	2506.502	CASTING ASSEMBLY (SANITARY)	EA	4	$ 1,200.00	$ 4,800.00	4	$ 4,800.00	4	$ 4,800.00
32	2506.502	CASTING ASSEMBLY (STORM)	EA	9	$ 1,500.00	$ 13,500.00	7	$ 10,500.00	12	$ 18,000.00
33	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 2'X3'	EA	3	$ 2,700.00	$ 8,100.00	0	$ -	3	$ 8,100.00
34	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	EA	1	$ 6,000.00	$ 6,000.00	0	$ -	1	$ 6,000.00
35	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	EA	2	$ 10,000.00	$ 20,000.00	0	$ -	2	$ 20,000.00
36	2521.504	6" CONCRETE WALK	SY	78	$ 130.00	$ 10,140.00	21	$ 2,730.00	69	$ 8,970.00
37	2521.602	DRILL & GROUT REINF BAR (EPOXY COATED)	EA	52	$ 45.00	$ 2,340.00	0	$ -	52	$ 2,340.00
38	2531.503	CONCRETE CURB & GUTTER DESIGN B618	LF	451	$ 30.00	$ 13,530.00	122	$ 3,660.00	867	$ 26,010.00
39	2531.503	CONCRETE CURB & GUTTER DESIGN D418	LF	110	$ 30.00	$ 3,300.00	0	$ -	82	$ 2,460.00
40	2531.504	CONCRETE PAVEMENT DRIVEWAYS 6.0"	SY	15	$ 160.00	$ 2,400.00	0	$ -	0	$ -
41	2531.618	TRUNCATED DOMES	SF	92	$ 110.00	$ 10,120.00	0	$ -	96	$ 10,560.00
42	2540.601	LANDSCAPE RESTORATION	LS	1	$ 9,000.00	$ 9,000.00	1	$ 9,000.00	1	$ 9,000.00
43	2563.601	TRAFFIC CONTROL	LS	1	$ 6,500.00	$ 6,500.00	1	$ 3,250.00	1	$ 6,500.00
44	2563.601	ALTERNATE PEDESTRIAN ROUTE	LS	1	$ 1,500.00	$ 1,500.00	1	$ 750.00	1	$ 1,500.00
45	2573.502	STORM DRAIN INLET PROTECTION	EA	12	$ 95.00	$ 1,140.00	6	$ 570.00	12	$ 1,140.00
46	2573.503	SILT FENCE; TYPE MS	LF	40	$ 4.00	$ 160.00	0	$ -	0	$ -
47	2574.507	TOPSOIL (LV)	CY	56	$ 25.00	$ 1,400.00	80	$ 2,000.00	80	$ 2,000.00
48	2574.508	FERTILIZER TYPE 3	LBS	15	$ 40.00	$ 600.00	15	$ 600.00	15	$ 600.00
49	2575.504	SODDING TYPE LAWN	SY	10	$ 250.00	$ 2,500.00	0	$ -	0	$ -
50	2575.505	SEEDING	ACRE	0.09	$ 10,000.00	$ 900.00	0.05	$ 500.00	0.05	$ 500.00
51	2575.508	HYDRAULIC MULCH MATRIX	LBS	360	$ 15.00	$ 5,400.00	180	$ 2,700.00	180	$ 2,700.00
52	2575.508	SEED MIXTURE 25-151	LBS	15	$ 6.50	$ 97.50	4	$ 26.00	4	$ 26.00
53	2582.503	4" DOUBLE SOLID LINE PAINT (EPOXY)	LF	2220	$ 1.50	$ 3,330.00	2130	$ 3,195.00	2130	$ 3,195.00
54	2582.503	4" SOLID LINE PAINT (EPOXY)	LF	4285	$ 1.00	$ 4,285.00	4309	$ 4,309.00	4309	$ 4,309.00
55	2582.518	CROSSWALK PAINT (EPOXY)	SF	360	$ 5.00	$ 1,800.00	336	$ 1,680.00	336	$ 1,680.00
56	2582.518	PAVEMENT MESSAGE PAINT (EPOXY)	SF	15	$ 6.50	$ 97.50	15	$ 97.50	15	$ 97.50
		GRAND TOTALS				$ 560,896.85		$ 231,048.75		$ 602,558.55

Internal City Use Only			
MSA Funds		*$ 210,648.75*	*$ 526,573.55*
Storm Sewer Utility Funds		*$ 13,800.00*	*$ 69,385.00*
Sanitary Sewer Utility Funds		*$ 6,600.00*	*$ 6,600.00*
Total Funds		*$ 231,048.75*	*$ 602,558.55*

CC Regular Session **5. 11.**

Meeting Date: 10/25/2022

By: Sean Sullivan, Community Development

Information

Title:

Adopt Resolution #22-241 Authorizing COR Public Infrastructure and Wetland Analysis

Purpose/Background:

The purpose of this case is to consider a recommendation to complete COR infrastructure and wetland analysis.

On January 18, 2022 the Public Works Committee discussed the COR Site improvement and Infrastructure needs and asked staff to obtain cost estimates for the work. The EDA meeting in February 2022 and supported getting more information. Staff has not been able to complete the work in-house so Staff asked Bolton and Menk (they completed the previous COR infrastructure Study) to put together proposals to complete analysis and cost estimates on completing the following items:

- Ramsey Parkway from Willemite Street to Sunwood Drive (Roundabout)
- Zeolite Street from Sunwood Drive to Bunker Lake Boulevard,
- Yolite Street from Sunwood Drive to Ramsey Parkway,
- Center Street Realignment,
- Veterans Drive between Rhinestone Street and Ramsey Boulevard,
- The Waterfront Pond and Park Area,
- Filling of stormwater ponds in the southeast quadrant of the Bunker Lake Boulevard and Armstrong Boulevard intersection and related analysis
- Filling of wetlands in the southeast quadrant of the Bunker Lake Boulevard and Armstrong Boulevard intersection and related analysis.

Bolton and Menk has provided two proposals that cover the work needed to provide feasibility and costs of completing the work. Construction and contracting costs have changed significantly since the last time analysis was done in 2018. During initial investigation it has become apparent that the wetland analysis and delineation need to be completed to determine the feasibility of the wetland and stormwater pond relocation and coordinated excavation of The Waterfront to make Parcel 46 a developable lot by adding fill excavated from the future Waterfront to it. Bolton and Menk has completed the wetland delineation component due to the time of the year and ability to complete the delineation while vegetation is still identifiable. There is additional work and analysis that is included in the attached wetland proposal that is also underway. Many of these items are interrelated and should be coordinated to maximize efficiency to compete the work. Preliminary analysis of the delineated Wetlands indicates that there are four defined wetlands on site but more analysis is needed. Kevin Kielb provided information to the EDA regarding the process to buy wetland credits off-site and that more research was needed to identify the cost and ability to fill them.

Some of the items in the proposals (construction of streets, site improvements, cost of study) could be paid for in full, or in part by TIF District 14 or other TIF Districts that have eligible funds. In order to be able to fund these items out of TIF 14 the work needs to be completed or in process prior to November 2023. Based on this short time period, staff is suggesting that costs are quantified as soon as possible so that the City Council can determine which projects should move forward and how they can be funded most efficiently.

The work being proposed is consistent with the mission of the EDA by helping facilitate and to encourage quality development.

Notification:

N/A

Observations/Alternatives:

Financing options for improvements in the COR will become more limited after November 2023. According to the CIP, Zeolite Street is planned to be reconstructed in 2026 and to be funded by TIF District 2 but development pressure for Parcel 46 could likely move the need for reconstruction forward. Some costs, such as the excavation of the Waterfront basin to obtain fill for Parcel 46 is a TIF eligible expense and would need to occur before November 2023 to be included in the TIF 14 budget. Completion of the attached proposals is needed to determine the feasibility of projects and to identify costs so the projects can coordinated and be budgeted efficiently.

Alternatives:
1) Recommendation to City Council to authorize the Wetland and COR Infrastructure proposals utilizing TIF District (2,14) funds.
2) Recommendation to City Council to authorize the Wetland and COR Infrastructure proposals utilizing EDA funds.
3) Something else.

Funding Source:

To be determined. The proposals being consider by the City Council are TIF eligible expenses. It is likely that different facets of this project would be handled by different funding sources. Potential funding sources include:

- TIF 14, TIF 2
- Sewer and/or Water Fund
- Park Dedication / Trust Fund,
- PIR
- EDA
- Wetland bank

Recommendation:

The EDA met on October 13th and unanimously approved a recommendation to the City Council to authorize the Bolton and Menk Wetland and COR Infrastructure proposals utilizing TIF District (2, 14) funds.

Action:

Motion to Adopt Resolution #22-241 Authorizing COR Public Infrastructure and Wetland Analysis

---

Attachments

ACTION - Resolution #22-241

ACTION - COR Infrastructure Analysis

ACTION - COR Wetland Analysis

REFERNCE - Draft EDA Minutes 10-13-22

Form Review

Inbox	Reviewed By	Date
Sean Sullivan (Originator)	Sean Sullivan	10/18/2022 09:45 AM
Brian Hagen	Brian Hagen	10/20/2022 10:04 AM
Form Started By: Sean Sullivan		Started On: 10/14/2022 09:03 AM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-241

RESOLUTION AUTHORIZING COR PUBLIC INFRASTRUCTURE AND WETLAND ANALYSIS

WHEREAS, the City of Ramsey owns over 60 acres in the COR development and site improvements are needed to make many of the parcels developable; and

WHEREAS, the Bolton and Menk completed an Infrastructure Study for the COR in 2018 identifying costs for the construction of public infrastructure; and

WHEREAS, the current interest rate environment and inflation has increased the cost of public infrastructure and more information is needed relating to existing wetlands and the ability to fill them and construction of the Waterfront in the COR; and

WHEREAS, Bolton and Menk has provided two proposals to complete both the Wetland and Public Infrastructure Analysis in an amount not to exceed $31,980; and

WHEREAS, the Ramsey EDA met on October 13, 2022 and unanimously made a recommendation to the City Council to approve the Wetland and Infrastructure Analysis by Bolton and Menk and to fund it with TIF 14 or TIF 2.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the City Council hereby authorizes completion of the COR Public Infrastructure and Wetland Analysis proposals from Bolton and Menk in an amount not to exceed $31,908.
2) That The City Council authorizes the funding source of the proposals to come from TIF District 14 and/or TIF District 2

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember ____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

_____
Mayor

ATTEST:

_____
City Clerk

BOLTON & MENK
Real People. Real Solutions.

7533 Sunwood Drive NW
Suite 206
Ramsey, MN 55303-5119

Ph: (763) 433-2851
Fax: (763) 427-0833
Bolton-Menk.com

September 26, 2022

Mr. Bruce Westby, P.E.
City Engineer/Interim Public Works Director
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: City of Ramsey - The COR – Public Infrastructure Analysis

Dear Mr. Westby:

In response to our recent meeting related to The COR, we have prepared a scope of services and fee estimate for analysis associated with public infrastructure for the following improvements:

- Ramsey Parkway from Willemite Street to Sunwood Drive (Roundabout),
- Zeolite Street from Sunwood Drive to Bunker Lake Boulevard,
- Yolite Street from Sunwood Drive to Ramsey Parkway,
- Center Street Realignment,
- Veterans Drive between Rhinestone Street and Ramsey Boulevard,
- The Waterfront Pond and Park Area,
- Filling of stormwater ponds in the southeast quadrant of the Bunker Lake Boulevard and Armstrong Boulevard intersection, and
- Filling of a wetland in the southeast quadrant of the Bunker Lake Boulevard and Armstrong Boulevard intersection.

We will draw from the initial concepts and strategies that were detailed in the Center Street report and The COR report. Our proposal is based upon carrying these concepts and principals forward into the new analysis, with an updated project cost estimate for the work. Each street segment analyzed will include public utilities (sanitary sewer and water main), along with storm sewer, trails and sidewalks.

The material generated from the regional storm water retention pond can be used as fill for the remaining undeveloped portion of The COR. We will analyze the amounts of fill required for each lot and will make estimates for how much material will be generated from excavation of the Waterfront.

See attached figure for the general area of the analysis.

CONSTRUCTION COST ESTIMATES

Previous analyses presented project costs associated with the street and public utility related improvements. Those amounts were based on 2018 construction costs, and included a 30 percent allowance for contingencies and project development. No costs were included in The COR report for the Waterfront. Based on conversations with the City, the work will most likely consist of the following:

- Clear and grub the area of The COR bounded by Sunwood Drive, Bunker Lake Boulevard, Armstrong Boulevard and Center Street,
- Strip off topsoil for the above area and stockpile the material,
- Dewater the area to allow for deep excavations to occur,
- Excavate the pond, placing the material in locations identified within The COR,
- Place a 2 ft thick clay liner in the pond from the bottom up to the normal water level,
- Fine grade the area of the regional stormwater retention pond, and
- Revegetate all areas disturbed by construction.

We will provide construction cost estimates associated with the improvements.

SCOPE OF SERVICES

Our anticipated scope of services will be as follows:

- Complete a drone flight of the area to provide a current aerial image of the area. The drone flight will provide a level of accuracy of 0.1 ft horizontal and 0.3 ft vertical. This will allow for accurate estimations of excavations and fill volumes required to construct the Waterfront and move the material to adjacent lots within The COR area.
- Update the stormwater model to analyze elevations within the Waterfront and impacts associated with filling existing stormwater ponds across The COR.
- Analyze the potential for filling the wetland that was created in the southeast quadrant of Bunker Lake Boulevard and Armstrong Boulevard. This will be completed under a separate contract and the results will be discussed in the updated report.
- Analyze previous report assumptions and update proposed horizontal and vertical elevations associated with the roadways and public utilities within The COR area. Develop current construction cost estimates based on the analysis.
- Prepare a report detailing the findings of our analyses. This will likely be in the form of an update to previously prepared reports.

No geotechnical analysis will be performed for the project, although previous soil borings completed for the area will be reviewed.

SUMMARY OF FEES

We have prepared preliminary fee estimates based on our understanding of the work to be performed. We estimate fees will be as presented below:

Task	Fees
Drone Flight	$ 2,880.00
Stormwater Analysis	$ 7,200.00
Roadway and Public Utility Analysis	$ 9,680.00
Report preparation, Including Figures	$ 4,420.00
Not-To-Exceed Fees	**$24,180.00**

The fees in the above table represent not-to-exceed costs based on the scope present above.

If there are any questions or concerns, please call me at (651) 968-7760.

Sincerely,

Bolton & Menk, Inc.

Kevin P. Kielb, P.E.
Project Manager

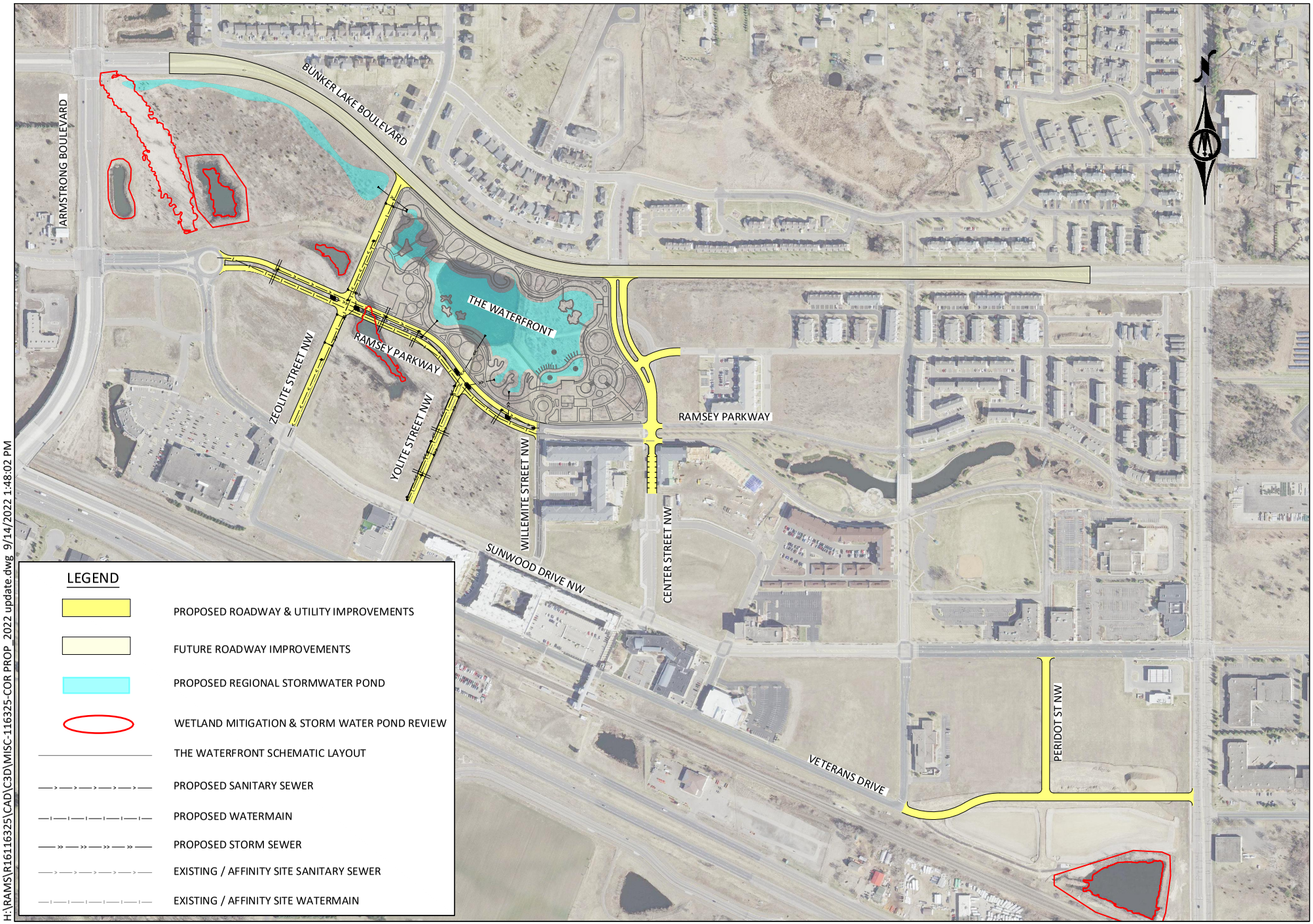
Attachment: Area of Analysis

2022 COR PUBLIC INFRASTRUCTURE ANALYSIS

CITY OF RAMSEY, MINNESOTA

IMPROVEMENT AREAS

AUGUST 2022



H:\RAMS\R16116325\CAD\C3D\MISC-116325-COR PROP_2022 update.dwg, 9/14/2022 1:48:02 PM

BOLTON & MENK
Real People. Real Solutions.

7533 Sunwood Drive NW
Suite 206
Ramsey, MN 55303-5119

Ph: (763) 433-2851
Fax: (763) 427-0833
Bolton-Menk.com

September 22, 2022

Mr. Sean Sullivan, EDFP
Economic Development Manager
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: City of Ramsey - The COR – Wetland Analysis

Dear Mr. Sullivan:

Bolton & Menk, Inc. has prepared this proposal for natural resources related services for The COR area in Ramsey. We propose to investigate available background information needed prior to visiting the site. This includes compiling information as follows:

1. Available Aerial Photographs,
2. Anoka County LiDAR Maps,
3. National Wetlands Inventory Maps,
4. Anoka County Soil Survey Maps, and
5. MnDNR Public Waters Maps.

We are proposing to complete the following tasks as a portion of the project:

Task 1 – Level II Aquatic Resource Delineation: We will visit the study area to delineate the wetland boundaries within the COR area. The delineation will include performing transects and sampling in the vicinity of any aquatic resources, placing 3-foot pin flags at the limits of any aquatic resources found. Our delineator will use a sub-meter GPS unit to accurately locate and map each point and prepare a written report of our findings. This report will be submitted to the appropriate agencies for approval.

Task 2 – Historical Analysis: Bolton & Menk staff will review each delineated aquatic resource to determine their historical status. This will include reviewing historical imagery and mitigation plans. If the wetlands are found to be constructed within upland areas, then they will be considered incidental under the WCA and non-jurisdictional under section 401 of the Clean Water Act.

Task 3 – Meetings and Additional Requests: Reviewing agencies generally request additional information and/or an on-site meeting during the review process. Our attendance is typically requested at these meetings to discuss the acceptance of the delineated boundaries or to provide the agencies with additional information.

SUMMARY OF FEES

We have prepared preliminary fee estimates based on our understanding of the work to be performed. We estimate fees will be as presented below:

Task	Fees
Task 1 – Level II Aquatic Resource Delineation	$ 4,900.00
Task 2 – Historical Analysis	$ 1,800.00
Task 3 - Additional Requests & Meetings	$ 1,100.00
Not-To-Exceed Fees	**$ 7,800.00**

The fees in the above table represent not-to-exceed costs based on the scope present above.

If there are any questions or concerns, please call me at (651) 968-7760.

Sincerely,

Bolton & Menk, Inc.

Kevin P. Kielb, P.E.
Principal Engineer

ECONOMIC DEVELOPMENT AUTHORITY
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The City of Ramsey Economic Development Authority (EDA) conducted a regular meeting on Thursday, October 13, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present:	Chairperson Michael Olson Member Chelsee Howell Member Rachal Johnson Member William MacLennan Member Chris Riley Member Shanna Stewart
Members Absent:	Member Scott Wiyninger
Also Present:	Sean Sullivan, Economic Development Manager

4. EDA BUSINESS

4.01: Request Recommendation to Complete COR Site Improvements, Infrastructure and Wetland Analysis

Economic Development Manager Sullivan presented the staff report.

Member Howell asked if task one has already been completed or whether there would be more work needed to complete that in addition to the delineation that was completed.

Economic Development Manager Sullivan replied that the delineation work in task one has been completed but more wetland analysis was yet to be done. He explained that in order to complete a delineation, the vegetation has to be growing and therefore that was completed during the appropriate season to ensure there would not be additional delay to complete the report.

Member Howell asked how these project costs would be recouped through development.

Economic Development Manager Sullivan replied that some of these costs have been identified in the CIP, such as Zeolite Street improvements. He stated that the other costs are able to be funded through TIF or could be schedule through the CIP or street improvement program. He stated that most of the costs, aside from building the waterfront park, are TIF eligible expenses. He explained that those costs could be spent now and reimbursed later if TIF is used. He stated that once the costs are better known, staff would present more specific options for funding. He noted that the study itself could be funded through TIF.

Member Stewart asked for clarification on purchasing wetland somewhere else.

Economic Development Manager Sullivan replied that in the past if you filled a wetland there were a few options in that you could create additional wetlands onsite, you could purchase wetland credits, or purchase wetlands offsite.

Member Stewart asked where the new wetlands would be purchased and whether that would be somewhere the City does not want to develop in the future.

Kevin Kielb, Bolton & Menk, stated that people establish wetlands in certain watersheds and areas in the state. These wetlands are "certified and banked" and are available for purchase to offset other wetlands that are filled in. He noted that other parties can then purchase the credits from that bank to offset their wetland impacts. He provided additional details on the process for the creation of wetland credits. He provided some general estimates of the cost for wetland credits, noting that price fluctuates depending on availability and geographic location. He stated that thus far they have delineated the wetlands in the COR and they are researching where wetlands have been moved or created. He explained that if one acre of wetlands is disturbed, two acres would need to be replaced. He reviewed some of the additional details that would be within the report that will help to eliminate hidden costs.

Chairperson Olson asked if the wetland credits would be local.

Mr. Kielb replied that the credits would need to be within a reasonable watershed, noting that he was unsure of the exact boundaries but advising that it would be within the regional area.

Member Johnson recognized that there would be a water feature in The COR and asked if there is a plan to have more wetlands or water features within that area.

Economic Development Manager Sullivan replied that the areas marked in red are anticipated to be filled to create more buildable area within The COR. He stated that once they have the costs known, they would determine if that is a cost the City would want to bear. He stated that the City could then choose whether that cost is rolled into the land price or split between the City and future development. He stated that staff believes that there will be an economy of scale in using the dirt from the excavation of the waterfront area to fill the desired areas.

Member Riley commented that this would seem to be follow up to the decision the EDA made in February. He stated that the work has not been able to be done inhouse and therefore this action would contract that work out.

Economic Development Manager Sullivan confirmed that to be true and noted that the intention was to keep the EDA informed in the process. He recognized that there may be more cost than originally anticipated due to wetland replacement and that will be flushed out through this study.

Member Riley stated that his other question was whether this would be the right time to complete this work but acknowledged that the TIF funds are available now and the work would need to be done prior to November of 2023 if that funding is going to be used.

Motion by Member Stewart, seconded by Member MacLennan, to recommend to City Council to authorize the Wetland and COR Infrastructure proposals utilizing TIF District (2, 14) funds.

Motion carried. Voting Yes: Chairperson Olson, Members Stewart, MacLennan, Howell, Johnson, and Riley. Voting No: None. Absent: Member Wiyninger.

6. ADJOURNMENT

Motion by Member MacLennan, seconded by Member Stewart, to adjourn the meeting.

Motion carried. Voting Yes: Chairperson Olson, Members MacLennan, Stewart, Howell, Johnson, and Riley. Voting No: None. Absent: Member Wiyninger.

The regular meeting of the Economic Development Authority adjourned at 8:05 a.m.

Respectfully submitted,

_____
Sean Sullivan
Economic Development Manager

ATTEST:

_____
Wendy Schlueter
Economic Development Administrative Assistant

Draft by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

CC Regular Session **5. 12.**

Meeting Date: 10/25/2022

By: Sean Sullivan, Community Development

Information

Title:

Adopt Resolution #22-242 Approving Cancellation of Purchase Agreement for Parcel 50; Case of Java Companies, L.L.C.

Purpose/Background:

Purpose:
The purpose of this case is to consider adoption of Resolution #22-242 Approving Cancellation of Purchase Agreement for Parcel 50 with Java Companies, L.L.C.

Background:
The City entered into a Purchase Agreement with Java Properties, LLC on December 15, 2021 to purchase and develop approximately 7 acres located south of Casey's General Store and O'Reilly Auto Parts. The City Council approved extending the Inspection Period from June 15, 2022 to December 15, 2022 to give the City and Developer more time to define projects costs and project timing. The Developer has met with prospective tenants and they are not comfortable moving forward with development until the new interchange at Ramsey Boulevard and Highway 10 is complete, or is under construction. As such, the Developer has asked the City to enter into a cancellation agreement. A Notice to Proceed has not been given by the Developer so the $15,000 in Earnest Money would be refunded. The Inspection Period has not ended, so the request for the cancellation of the purchase agreement and the refunding of the Earnest Money is within the terms of the Purchase Agreement. The Developer has interest in re-engaging with the City closer to the time of completion of the improvements on Ramsey Boulevard and Highway 10. The EDA reviewed this request at its October 13, 2022 meeting and supports the cancellation agreement.

Notification:

N/A

Observations/Alternatives:

A Cancellation Agreement executed by the Developer is attached and has been reviewed by the City Attorney as to form. The EDA reviewed this request and supports the cancellation agreement as presented. Construction of the turn lane for the future Veteran's Drive access to Ramsey Boulevard will be constructed as part of the Ramsey Boulevard/Interchange improvements. Completion of these improvements will increase the marketability of this parcel for development in the future. This purchase agreement included $5000 in additional *Refundable Earnest Money* for the 6 month extension to complete further due diligence relating to the construction impacts on this project. The EDA also discussed whether or not future extensions for future purchase agreements should include *Non Refundable Earnest Money.* Staff is supportive of considering non-refundable earnest money for extensions of the due diligence period prior to a Notice of Proceed being given by the developer. As mentioned previously in this case, this is not an option for the current cancellation of purchase agreement for consideration by the City Council.

Alternatives include:

1) Adopt Resolution #22-242 Approving Cancellation of Purchase Agreement for Parcel 50 (as presented); subject to City Attorney Review.
2) Adopt Resolution #22-242 Approving Cancellation of Purchase Agreement for Parcel 50 (with changes); subject to City Attorney Review.
3) Something else.

Funding Source:

N/A

Recommendation:

The Ramsey EDA met on October 13, 2022 and unanimously recommended that the City Council approve the Cancellation of Purchase Agreement for Parcel 50 with Java Companies, L.L.C. (as presented); subject to City Attorney Review.

Action:

Motion to Adopt Resolution #22-242 Approving Cancellation of Purchase Agreement for Parcel 50 (as presented); subject to City Attorney Review.

Attachments

Site Location

ACTION - Resolution #22-242

ACTION - Cancellation Agreement - Java

REFERNCE - Excerpt Draft EDA minutes 10-13-22

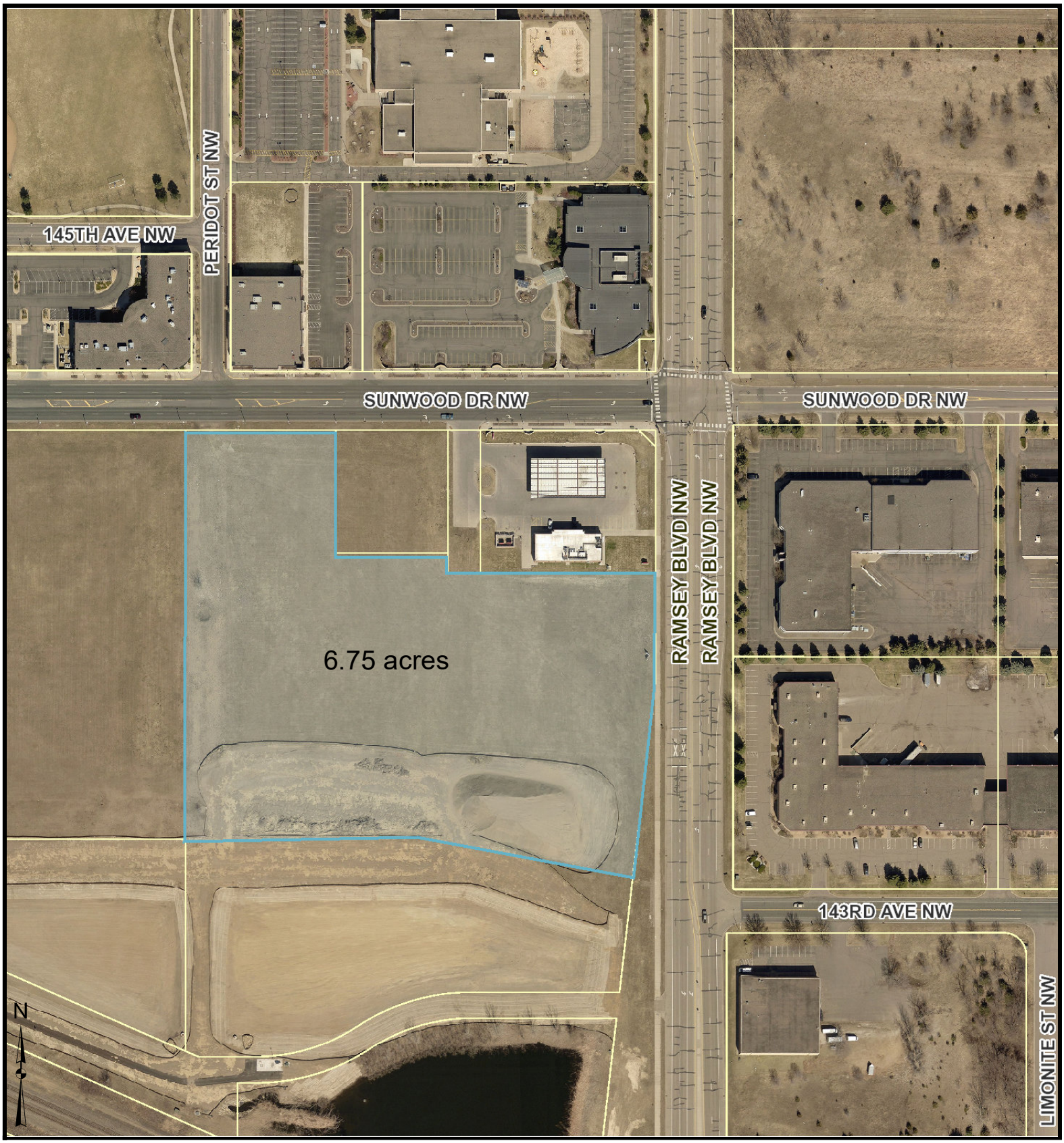
REFERENCE - First Amendment to PA (Executed)

REFERENCE - Current Purchase Agreement (Executed)

Form Review

Inbox	Reviewed By	Date
Sean Sullivan (Originator)	Sean Sullivan	10/18/2022 08:12 AM
Brian Hagen	Brian Hagen	10/20/2022 10:04 AM
Form Started By: Sean Sullivan		Started On: 10/14/2022 09:26 AM
Final Approval Date: 10/20/2022		

Parcel 50 - Available Land



Parcel Information: Approx. Acres: 6.75
Commissioner: MATT LOOK

RAMSEY
MN 55303
Plat:

Owner Information:

Sean Sullivan | 1:2,400 | Date: 10/7/2021

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-242

RESOLUTION APPROVING CANCELLATION OF PURCHASE AGREEMENT WITH JAVA COMPANIES, LLC FOR PARCEL 50

WHEREAS, the City of Ramsey and Java Companies LLC entered into a purchase agreement for land described as Outlot A, Java Auto Parts now known as Tax ID Number 28-32-25-41-0024 on December 15, 2021 (the "Property"); and

WHEREAS, the City of Ramsey and Java Companies LLC entered into a First Amendment to Purchase Agreement for the Property on August 2, 2022 which extended the Inspection Period to December 15, 2022; and

WHEREAS, Java Companies, LLC provided written notice to cancel the Purchase Agreement for the Property within the Inspection Period, prior to giving a Notice to Proceed; and

WHEREAS, the Ramsey EDA met on October 13, 2022 and made a formal recommendation to the City Council to accept the request for a Cancellation Agreement with Java Companies, LLC; and

WHEREAS, the City Attorney has reviewed the Cancellation Agreement and has approved to form and content.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) That the City Council hereby authorizes approval and execution of the Cancellation Agreement with Java Companies, LLC and refunding of the $10,000 Earnest Money and $5000 Additional Earnest Money to Java Companies, LLC.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember ____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

Mayor

ATTEST:

City Clerk

To: Sean Sullivan, Economic Development Manager-City of Ramsey
From: Mark Krogh, Java Companies
Date: 10/5/2022
Re: Cancellation of Purchase Agreement

This cancellation pertains to the Purchase Agreement entered into on December 16, 2021 and the First Amendment to Purchase Agreement entered into August 2, 2022 for the sale of a portion of the real estate located at Anoka County Minnesota Parcel Identification Number 28-32-25-41-0020. All earnest money held at Servion Commercial Title will be released to Java Companies.
Please sign cancellation and return via e-mail
Java Companies:
E-mail: mark@javacompanies.com

_____	 10/05/22
(Seller's Signature) (Date)	(Buyer's Signature) (Date)
_____	Mark Krogh, Manager-Java Companies
(Seller's Printed Name)	(Buyer's Printed Name)
_____	
(Seller's Signature) (Date)	
_____	
(Seller's Printed Name)	

ECONOMIC DEVELOPMENT AUTHORITY
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The City of Ramsey Economic Development Authority (EDA) conducted a regular meeting on Thursday, October 13, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present:	Chairperson Michael Olson Member Chelsee Howell Member Rachal Johnson Member William MacLennan Member Chris Riley Member Shanna Stewart
Members Absent:	Member Scott Wiyninger
Also Present:	Sean Sullivan, Economic Development Manager

4.02: Consider Cancellation of Purchase Agreement for Parcel 50; Case of Java Companies, LLC

Economic Development Manager Sullivan presented the staff report.

Member Howell asked if the City would need to have to setup a purchase agreement in the same way if this developer were to come back, or whether the notice to proceed language could be removed so that if the developer did not move forward again the City would not lose out on the earnest money after holding land for a significant amount of time.

Economic Development Manager Sullivan replied that every purchase agreement can be negotiated with terms the EDA and Council agree to. He stated that those agreements are setup in that way to allow the due diligence, tenant and site plan approval work. He commented that in this case the developer is aware of who the tenants would be and therefore could be an ask if they were to come back for a future purchase agreement. He noted that the one thing that would be problematic is that typically the development review process occurs during that six months as well. He noted that the money is therefore allowed to be refundable during that time in the case that perhaps the City does not approve the development plans. He noted that time period could be shortened. He believed that this developer would come back at a later time as they are interested in the site but noted that the site will go back on the market and someone else may be interested before that time.

Member Stewart stated that land prices will increase and therefore she would recommend that the developer lose out on this price if they were to come back.

Economic Development Manager Sullivan commented that he would love to see a developer come forward and be willing to endure the shutdown of Ramsey Boulevard, but there will be a turn lane constructed that would make the site more marketable therefore after those improvements have been made the site would likely increase in price. He agreed that the market could be different in two years and the pricing could change for the developer.

Member Riley commented that this site would then be available for sale and would be marketed.

Chairperson Olson asked if it is known as to whether all the tenants were backing out, or just a few.

Economic Development Manager Sullivan replied that two tenants did not want to move forward under the scenario and therefore with only one tenant potentially committed the developer did not want to move forward.

Chairperson Olson commented that he surprised that the developer had proposed this project with that timing to begin with, with the knowledge of the upcoming shutdowns for the Highway 10 project.

Economic Development Manager Sullivan commented that the west side of The COR, along Armstrong will become more marketable because that will not be closed and will have more traffic during Highway 10 construction.

Member MacLennan agreed with Member Stewart that if the developer were to come back, the land price would not remain at this level. He understood the need for the developer to not move forward at this time.

Member Howell stated her concerns with the refund of the additional earnest money related to the extension of the due diligence period. She suggested that in future purchase agreements the additional earnest money for the extensions of the due diligence period not be refundable.

Motion by Member Stewart, seconded by Member MacLennan, to recommend to City Council to approve Cancellation Agreement for Parcel 50 with Java Companies, LLC as presented, subject to City Attorney review.

Motion carried. Voting Yes: Chairperson Olson, Members Stewart, MacLennan, Howell, Johnson, and Riley. Voting No: None. Absent: Member Wiyninger.

6. ADJOURNMENT

Motion by Member MacLennan, seconded by Member Stewart, to adjourn the meeting.

Motion carried. Voting Yes: Chairperson Olson, Members MacLennan, Stewart, Howell, Johnson, and Riley. Voting No: None. Absent: Member Wiyninger.

The regular meeting of the Economic Development Authority adjourned at 8:05 a.m.

Respectfully submitted,

_____
Sean Sullivan
Economic Development Manager

ATTEST:

_____
Wendy Schlueter
Economic Development Administrative Assistant

Draft by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

FIRST AMENDMENT
TO
PURCHASE AGREEMENT

This is the First Amendment to the Purchase Agreement by and between the **City of Ramsey**, a Minnesota municipal corporation ("Seller"), and **Java Companies, L.L.C.** and/or its assigns, a Minnesota Limited Liability Company ("Buyer"), with an Effective Date of December 15, 2021.

Recitals

1. **EFFECTIVE DATE.** The Effective Date remains December 15, 2021.

2. **SALE OF PROPERTY.** Seller agrees to sell to Buyer, and Buyer agrees to buy from Seller approximately 6.97 acres (303,613 SF) of vacant land, legally described as follows:

   Outlot A, Java Auto Parts, to be platted as:

   T.B.D. Anoka County, Minnesota

   PID Number: Portion of 28-32-25-41-0020 ("Property")

3. **PURCHASE PRICE.** The purchase price for the Property is $4.50 / Square foot or $1,366,259 for Phase 1 and Phase 2 as depicted on attached Exhibit and subject to square footage of platted properties (the "Purchase Price").

4. **EARNEST MONEY AND ADDITIONAL EARNEST MONEY.** The Buyer has deposited the sum of $10,000.00 (the "Earnest Money") with Servion Title ("Escrow Agent"), via wire transfer or delivery of a certified check payable to Escrow Agent. The Buyer shall deposit the sum of $5,000 (the "Additional Earnest Money") with the Escrow Agent in addition to the $10,000.00 of Earnest Money previously submitted.

5. **INSPECTION PERIOD.** Buyer desires to extend the Inspection Period from June 15, 2022 to December 15, 2022.

Agreement

1. **AMENDMENT APPROVAL.** Buyer and Seller hereby approve this First Amendment to Purchase Agreement as modified by the above Recitals, which are hereby incorporated herein.

2. **REMAINING TERMS.** All other provisions of the Purchase Agreement remain unchanged except to the extent inconsistent with the terms of this First Amendment to Purchase Agreement. The terms used in this First Amendment to Purchase Agreement have the same meaning as in the Purchase Agreement.

SELLER: City of Ramsey, a Minnesota municipal corporation

By: _____ Dated: 7-28-22, 2022
Mark E, Kuzma, Mayor

By: _____ Dated: July 28, 2022
Brian Hagen, City Administrator

BUYER: JAVA COMPANIES L.L.C.

By: _____ Dated: August 2, 2022
Mark Krogh, Chief Manager

PURCHASE AGREEMENT

This Agreement is entered into by and between the **City of Ramsey**, a Minnesota municipal corporation ("Seller"), and **Java Companies, L.L.C. & or Assigns**, a Minnesota Limited Liability Company ("Buyer").

In consideration of the Earnest Money, the mutual covenants set forth below, and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Seller and Buyer agree as follows:

1. **EFFECTIVE DATE.** The effective date of this Agreement is **December 15, 2021** (the "Effective Date").

2. **SALE OF PROPERTY.** Seller agrees to sell to Buyer, and Buyer agrees to buy from Seller approximately 6.97 acres (303,613 SF) of vacant land, legally described as follows:

   Outlot A, Java Auto Parts, to be platted as:

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   PID Number: Portion of 28-32-25-41-0020 ("Property")

3. **PURCHASE PRICE.** The purchase price for the Property is $4.50 / Square foot or $1,366,259 for Phase 1 and Phase 2 as depicted on attached Exhibit and subject to square footage of Platted properties (the "Purchase Price").

4. **EARNEST MONEY AND ADDITIONAL EARNEST MONEY.** Within five business days after the Effective Date, Buyer must deposit the sum of $10,000.00 (the "Earnest Money") with Commercial Partners Title Company or other title company that is mutually agreed upon ("Escrow Agent"), via wire transfer or delivery of a certified check payable to Escrow Agent.

   a. If Buyer does not deposit the Earnest Money as required above, then Seller may terminate this Agreement by written notice to Buyer; provided, however, if Buyer deposits the Earnest Money with Escrow Agent before Seller exercises Seller's right to terminate, Seller's right to terminate is extinguished.

   b. Upon Seller's receipt of a Notice to Proceed from Buyer in accordance with Section 9(b), all of the Earnest Money becomes non-refundable (except in accordance with Section 22 as a result of a default by Seller).

c. If Buyer does not provide a Notice to Proceed to Seller in accordance with Section 9(b), this Agreement automatically terminates, and Escrow Agent must disburse all Earnest Money Escrow Agent holds to Buyer.

d. At Closing, Escrow Agent shall disburse to Seller any Earnest Money not previously disbursed to Seller, and Buyer shall receive a credit against the Purchase Price owing at Closing in an amount equal to the amount of the Earnest Money.

5. SURVEY. Seller has provided the Buyer an ALTA/NSPS 2016 survey (Table A, items 1, 2, 3, 4, 5, 7A, 8, 11 and 14) for Part of Outlot GG, Ramsey Town Center Addition (the "Survey") from a duly licensed surveyor dated August 11, 2016. Buyer may arrange with the surveyor to include additional information on the Survey at Buyer's expense.

6. TITLE COMMITMENT.

a. Seller makes no representations or warranties with respect to the status of title to the Property. Within thirty (30) business days after the Effective Date, Seller shall, at Seller's expense, obtain a commitment from Escrow Agent to issue an owner's policy of title insurance insuring Buyer's title to the Property (the "Title Commitment") and deliver the Title Commitment and copies of or internet access to copies of all recorded documents referenced in the Title Commitment to Buyer.

b. Buyer shall have until the date thirty (30) days after the receipt of the Title Commitment and the Survey (collectively, "**Title/Survey**") to review Title/Survey and to give Seller written notice of (i) any defects in the marketability of Seller title to the Property or any encumbrances on Seller's title to the Property that are objectionable to Buyer, and (ii) the specific actions Buyer requests that Seller take with respect to each such defect or encumbrance (a "**Title Objection Notice**"). Any defects in or encumbrances on Seller's title that Buyer does not identify in a timely Title Objection Notice are each a "**Permitted Exception**." Within three (3) business days after Seller's receipt of a Title Objection Notice from Buyer, Seller will notify Buyer, in writing, of the actions, if any, that Seller is willing to take with respect to each of the matters identified in the Title Objection Notice and the time frame in which Seller will take those actions ("**Seller's Title Notice**"). If Seller's Title Notice indicates that Seller unconditionally agrees to make Seller's title to the Property marketable on or before the closing date established pursuant to Section 10, the parties shall proceed to closing pursuant to the terms of this Agreement. If Seller's Title Notice indicates that Seller does not unconditionally agree to make Seller's Title to the Property marketable on or before the closing date established in Section 10, Buyer may, at any time with three (3) business days after Buyer's receipt of Seller's Title Notice, terminate this Agreement by written notice to Buyer in which case this Agreement is terminated and Escrow Agent must disburse any Earnest Money to Buyer ("**Buyer's Title Termination Notice**"). If Buyer does not deliver a Buyer's Title Termination Notice to Seller within the three (3)

business days after Buyer's receipt of Seller's Title Notice, than Seller must perform in accordance with Seller's Title Notice, Buyer shall be deemed to have waived Buyer's objections to the extent Seller has not agreed to address them in Seller's Title Notice, the matters to which Buyer objected and Seller did not agree to resolve are deemed Permitted Exceptions, and the parties shall proceed to Closing in accordance with the terms of this Agreement and the terms of Seller's Title Notice.

7. **RIGHT OF ENTRY.** At all times after Buyer has deposited the Earnest Money with Seller and before the Closing, Buyer (and its employees, agents, and contractors) may enter the Property for the purpose of conducting soil tests, environmental tests and additional survey work, subject to the following conditions:

   a. Within one week after the termination of this Agreement, if either Seller or Buyer terminate this Agreement in accordance with the provisions hereof prior to Closing, Buyer must repair and or restore any damage Buyer or its employees, agents or contractors cause to the Property and remove any personal property, refuse or debris Buyer or its employees, agents or contractors brought onto or authorized third parties to bring onto the Property.

   b. Buyer must defend and indemnify Seller from and against and hold Seller harmless Seller from all "Claims," as defined in Section 10, arising out of, resulting from or relating to any loss of or damage to any property or business or out of any injury to or death of any person, if the loss, damage, injury, or death arises or is alleged to arise either directly or indirectly and either wholly or in part from: (a) any action or omission of Buyer or its employees, agents, or contractors, while on the Property pursuant to this Section; or (b) actions or omissions of Buyer or Buyer's employees, agents, or contractors that cause or result in the release of any Hazardous Substance onto the Property or onto other property.

   c. Buyer must comply with and shall cause it employees, agents, and contractors to comply with all applicable laws, while on the Property.

   d. Other than a standard Phase 1 environmental assessment, Buyer may not commence any environmental testing on the Property until Buyer submits a work plan for such testing to Seller and Seller approves the work plan, in writing. Seller may not unreasonably withhold, condition or delay Seller's approval of a work plan.

   e. Buyer must, promptly and without demand from Seller, provide Seller with true and complete copies of all draft and final reports relating to Buyer's geotechnical and environmental investigations and testing of the Property including, without limitation, any reports relating to any Phase I Environmental Site Assessment of the Property.

   f. The cost of any test or additional survey work will be borne solely by Buyer.

The payment and indemnification provisions of this Section 7 shall survive any termination or cancellation of this Agreement and are referred to herein as the "Surviving Obligations.

8. **PROPERTY SOLD AS IS.** Subject to Buyer's right to terminate this Agreement pursuant to Section 9, Buyer agrees to accept the Property in its current condition, including, without limitation, its current environmental and geological condition, and in an "AS-IS" and with "ALL FAULTS" condition. Buyer's payment of the Purchase Price at Closing constitutes Buyer's acknowledgment and agreement that:

   a. Seller has not made any written or oral representations or warranties of any kind with respect to the Property (including without limitation express or implied warranties of title, merchantability, or fitness for a particular purpose);

   b. Buyer has not relied on any written or oral representation or warranty made by Seller, its agents or employees with respect to the condition or value of the Property;

   c. Buyer has had an adequate opportunity to inspect the condition of the Property, including without limitation any environmental testing, and to inspect documents applicable thereto, and Buyer is relying solely on such inspection and testing; and

   d. The condition of the Property is fit for Buyer's intended use.

   e. Buyer accepts all risk of Claims (including without limitation all Claims under any Environmental Law and all Claims arising at common law, in equity or under a federal, state or local statute, rule or regulation) whether past, present or future, existing or contingent, known or unknown, arising out of, resulting from or relating to the condition of the Property, known or unknown, contemplated or uncontemplated, suspected or unsuspected, including without limitation the presence of any Hazardous Substance on the Property, whether such Hazardous Substance is located on or under the Property, or has migrated from or to the Property.

9. **INSPECTION PERIOD.**

   a. Except as otherwise provided in Section 6, Buyer shall have from the date that Buyer deposits the Earnest Money with Escrow Agent to **June 15, 2022** (the "**Inspection Period**") to investigate the Property and determine, in Buyer's sole judgment, whether (i) the condition of the Property is suitable to Buyer's intended use; and (ii) Buyer will be able to obtain all governmental approvals (including, but not limited to, approvals necessary to subdivide and re-plat the Property) and utilities necessary for Buyer's intended use of the Property. Buyer acknowledges and agrees that Seller has not made any covenants, representations or warranties regarding Buyer's ability to obtain governmental approvals from the City of

Ramsey or any other governmental entity. The City of Ramsey will review, consider and act on any applications Buyer submits to the City for governmental approvals in accordance with City Code.

b. Buyer may, at any time on or before 5:00 p.m. on the last day of the Inspection Period, terminate the Agreement by written notice to Seller based on Buyer's determination, in Buyer's sole and absolute discretion, that the condition of the Property is not suitable for Buyer's intended use or that Buyer may not be able to obtain all governmental approvals and utilities necessary for Buyer's intended use of the Property. In addition, this Agreement automatically terminates at 5:00 p.m. on the last day of the Inspection Period unless, prior to that time Buyer delivers a written notice of Buyer's intention to proceed (a "**Notice to Proceed**") to Seller.

c. If, pursuant to Section 9(b) either Buyer terminates this Agreement or this Agreement is automatically terminated, the Escrow Agent must disburse to Buyer any Earnest Money Escrow Agent holds.

10. DEFINITIONS. As used in this Agreement:

"**Claim**" or "**Claims**" means any and all liabilities, suits, claims, counterclaims, causes of action, demands, penalties, debts, obligations, promises, acts, fines, judgments, damages, consequential damages, losses, costs, and expenses of every kind (including without limitation any attorney's fees, consultant's fees, costs, remedial action costs, cleanup costs and expenses which may be related to any claims).

"**Environmental Law**" means the Comprehensive Environmental Response, Compensation and Liability Act ("CERCLA"), 42 U.S.C. § 9601 et seq., the Resource Conservation and Recovery Act, 42 U.S.C. § 6901 et seq., the Federal Water Pollution Control Act (the Clean Water Act), 33 U.S.C. § 1251 et seq. the Clean Air Act, 42 U.S.C. § 7401 et seq., and the Toxic Substances Control Act, 15 U.S.C. § 2601 et seq., all as amended from time to time, and any other federal, state, local or other governmental statute, regulation, rule, law or ordinance dealing with the protection of human health, safety, natural resources or the environment now existing or hereafter enacted.

"**Hazardous Substance**" or "**Hazardous Substances**" means any pollutant, contaminant, hazardous substance or waste, solid waste, petroleum product, distillate, or fraction, radioactive material, chemical known to cause cancer or reproductive toxicity, polychlorinated biphenyl or any other chemical, substance or material listed or identified in or regulated by any Environmental Law.

11. RELEASE. By accepting the deed to the Property, Buyer, for itself, its directors, officers, stockholders, divisions, agents, affiliates, subsidiaries, predecessors, successors, and assigns and anyone acting on its behalf or their behalf hereby fully releases and forever discharges Seller from any and all Claims (including without limitation all Claims arising under any Environmental Law and all Claims arising at common law, in equity or under a federal, state or local statute, rule or regulation), past, present and future, known

and unknown, existing and contingent, arising out of, resulting from, or relating to the condition of the Property, and Buyer hereby waives any and all causes of action (including without limitation any right of contribution) Buyer had, has or may have against Seller and anyone acting on its behalf with respect to the condition of the Property, whether arising at common law, in equity or under a federal, state or local statute, rule or regulation. The foregoing shall apply to any condition of the Property, known or unknown, contemplated or uncontemplated, suspected or unsuspected, including without limitation the presence of any Hazardous Substance on the Property, whether such Hazardous Substance is located on or under the Property, or has migrated from or to the Property.

12. NOTICES. Notices permitted or required by this Agreement must be in writing and shall be deemed given when delivered in legible form to the party to whom addressed. Notices may be sent by certified mail or e-mail. Notices are effective two business days after they are mailed via certified mail, return receipt requested or, if sent by email, upon email transmission (provided that any email transmission that occurs after 5:00 pm Pacific Time will be deemed provided on the following day). If delivered at the Closing, a notice shall be deemed given when hand-delivered to the party's representative at the Closing. The business addresses of the parties are as follows:

Seller: City Administrator
City of Ramsey
7550 Sunwood Drive N.W.
Ramsey, MN 55303
Email: kulrich@cityoframsey.com

Buyer: Java Companies, LLC & or Assigns.
Mark R. Krogh
879 Scheffer avenue
St Paul, MN 55102
Email: andy@javacompanies.com and mark@javacompanies.com

Notices not given in the manner or within the time limits set forth in this Agreement are of no effect and may be disregarded by the party to whom they are directed.

13. CLOSING. This transaction for each lot shall close within 30 days after Buyer delivers a Notice to Proceed to Seller or on such earlier date as Seller and Buyer may establish by mutual, written agreement; provided, however, Buyer may extend the Closing a total of two (2) times, each time for a period of Sixty (60) days, by depositing an additional Ten Thousand and 00/100 Dollars ($10,000.00) earnest money with Escrow Agent for each extension. Each $10,000 extension payment shall be non-refundable, but applicable to the Purchase Price. The Closing shall take place at the offices of the Escrow Agent, or at some other place as the parties may mutually agree prior to such date. At the option of either Party, the executed closing documents, Purchase Price and closing costs may be deposited with the Escrow Agent and disbursed by the Escrow Agent pursuant to avoid

the necessity for a Closing at which the Parties are present.

a. **Seller's Obligations at Closing.** At Closing, Seller must deliver to Escrow Agent, for delivery to Buyer:

   i. A limited warranty deed, duly executed and acknowledged on behalf of the City and with the City's seal affixed, conveying title to the Property, subject to (A) the lien of real estate taxes, if any, not yet due and payable and any installments of special assessments certified for payment therewith; (B) Building, Subdivision and Zoning Ordinances; (C) Matters that would be disclosed by an accurate survey of the Property; and (D) matters that constitute Permitted Exceptions pursuant to Section 6;

   ii. A certified copy of a duly adopted City Ordinance and Resolution authorizing Seller's sale of the Property to Buyer;

   iii. The Right of Re-Entry Agreement provided for in Section 28 below; and

   iv. Seller's affidavits, well disclosure certificate (if required), settlement statement approved by Seller and Buyer, and any other documents required by the Escrow Agent.

b. **Buyer's Obligations at Closing.** At Closing, Buyer must:

   i. Wire Transfer (or deliver a certified check in) an amount equal to the amount of the Purchase Price adjusted for to reflect Buyer's prior payment of the Earnest Money and to reflect amounts Buyer must pay or will receive pursuant to Section 14(c), to Escrow Agent for disbursement to Seller and others pursuant to this Agreement and the Settlement Statement;
   ii. Execute and deliver the Right of Re-Entry Agreement provided for in Section 28 below; and

   iii. File or cause Escrow Agent to file an Electronic Certificate of Real Estate Value, if required and necessary.

c. **Closing Costs.**

   i. At Closing, the following Seller closing costs and expenses must be paid from the Purchaser Price or, if the Purchase Price is not sufficient, paid by Seller:

      1. Seller shall pay all outstanding property taxes, including but not limited to, Payable 2022 for the Property.

2. Seller shall pay all special assessments levied or pending against the Property as of the Closing Date.
3. Seller's own attorney's fees.
4. One-half the cost of any closing fees.
5. The cost of real estate broker commission fees as prescribed in Section 14.
6. State Deed Tax

ii. At Closing Buyer must pay the Purchase Price to Seller and the following costs and expenses:

1. Buyer's portion of prorated property taxes.
2. Buyer's own attorney's fees.
3. One-half the cost of any closing fees.
4. Documentary and recording fees for the deed(s).
5. The cost of the owner's title insurance policy, if Buyer elects to purchase an Owner's title insurance policy.

d. **Possession.** Seller must deliver possession of the Property to Buyer at Closing.

14. REAL ESTATE BROKERS. Seller and Buyer represent and warrant to each other that they have dealt with no brokers, real estate agents, finders or the like in connection with this transaction, other than CBRE, Inc. ("Sellers Broker"). Seller shall pay Seller's Broker as required by their agreement 3% of final gross sale price. Seller and Buyer agree to indemnify each other and to hold each other harmless against all claims, damages, costs or expenses of or for any broker's fees or commissions resulting for their actions or agreements regarding the execution or performance of this Agreement, other than the fees payable to Seller's Broker, and will pay all costs of defending any action or lawsuit brought to recover any such fees or commissions incurred by the other party, including reasonable attorney's fees.

15. ASSIGNMENT. This Agreement may not be assigned without the written consent of the non-assigning Party. The Seller recognizes the Buyer intends to assign this Agreement to an affiliated special purpose entity that will be registered officially with the State of Minnesota.

16. THIRD PARTY BENEFICIARY. There are no third-party beneficiaries of this Agreement, intended or otherwise.

17. JOINT VENTURE. Seller and Buyer, by entering into this Agreement and completing the transactions described herein, shall not be considered joint ventures or partners.

18. CAPTIONS. The paragraph headings or captions appearing in this Agreement are for convenience only, are not a part of this Agreement, and are not to be considered in interpreting this Agreement.

19. ENTIRE AGREEMENT / MODIFICATION. This written Agreement constitutes the complete agreement between the parties and supersedes any prior oral or written agreements between the parties regarding the Property. There are no verbal agreements that change this Agreement and no waiver or modification of any of its terms will be effective unless in writing executed by the parties.

20. BINDING EFFECT. This Agreement binds and benefits the Parties and their successors and assigns.

21. CONTROLLING LAW. This Agreement is made under the laws of the State of Minnesota and such laws will control its interpretation.

22. REMEDIES.

a. If Buyer fails to perform any of the terms or conditions of this Agreement within the specified time limits, Seller may declare this Agreement terminated pursuant to Minnesota Statutes section 559.21. Seller's sole remedy in the event of Buyer's default is retention of the Earnest Money, unless Buyer defaults under Section 7 or 11 of this Agreement, in which case Seller may retain the Earnest money or suspend the performance of its obligations under this Agreement and commence an action in Anoka County District Court to recover its actual damages arising from the default.

b. If Seller fails to perform any of the terms or conditions of this Agreement within the specified time limits, Buyer may, as its sole remedy, declare this Agreement terminated in which case Escrow Agent and, if applicable, Seller, shall refund the Earnest Money (both the Initial Disbursement and the Remaining Earnest Money) to Buyer, or, in the alternative, Buyer may have this Agreement specifically enforced and recover any incidental damages. Buyer waives all claims for consequential damages against Seller based on Seller's breach or alleged default hereunder.

23. WAIVER. Failure of Seller or Buyer to insist upon the performance of any of the covenants, agreements and/or conditions of this Agreement or to exercise any right or privilege herein shall not be deemed a waiver of any such covenant, condition or right.

24. SURVIVAL OF TERMS AND CONDITIONS. The terms and conditions of this Agreement shall survive and be in full force and effect after the delivery of the deed, and shall not be deemed to have merged therein.

25. SEVERABILITY. Each provision of this Agreement shall apply to the extent permitted by applicable law and is intended to be severable. If any provision is illegal or invalid for any reason whatsoever, such illegality or invalidity shall not affect the legality or validity of the remainder of the Agreement.

26. CONSTRUCTION. The Parties acknowledge that this Agreement was initially prepared by Seller solely as a convenience and that all Parties and their counsel hereto have read and full negotiated all the language used in this Agreement. The Parties acknowledge that because all Parties and their counsel participated in negotiating and drafting this Agreement, no rule of construction shall apply to this Agreement to construe ambiguous or unclear language in favor of or against any Party.

27. COUNTERPARTS; DIGITAL COPIES. This Agreement may be executed in any number of counterparts and the signature pages of the separate counterparts combined into a single copy of this Agreement which will then constitute a fully executed version of this Agreement. A facsimile, .pdf file or digital copy of a signed counterpart or of an assemblage of counterparts of this Agreement shall be deemed to be an original thereof.

28. CONSTRUCTION DEADLINE. Within one year from the Closing Date for each lot, Buyer shall construct and obtain a certificate of occupancy from the City of Ramsey for a minimum SF building for each lot as defined below compliant with COR Zoning requirements to be further defined by an approved Site Plan.. At Closing, a "Right of Re-Entry Agreement" shall be executed and recorded against the Property providing that, in the event the above deadline is not met, Seller has the right to reclaim title to the parcel(s) for which a certificate of occupancy was not obtained. The deadline for obtaining the required C/O for each lot is defined below:

- **a.** Lot 1, 6,000 SF – C/O 12/31/2023 (Phase 1)
- **b.** Lot 2, 550 SF - C/O 12/31/2023 (Phase 1)
- **c.** Lot 3, 9,000 C/O 12/31/2023 (Phase 1)
- **d.** Lot 4, 3,000 C/O 12/31/2024 (Phase 2)
- **e.** Lot 5, 20,000 C/O 12/31/2023 (Phase 1)

29. TIME PERIODS. The time for performance of any obligation or taking any action under this Agreement shall be deemed to expire at 5:00 p.m. Central Time on the last day of the applicable time period provided for in this Agreement. If the time for the performance of any obligation or taking any action under this Agreement expires on a Saturday, Sunday or legal holiday, the time for performance or taking such action shall be extended to the next succeeding day which is not a Saturday, Sunday or legal holiday.

30. PLATTING & DEVELOPMENT AGREEMENT. Buyer must be in the process of obtaining an approved final plat, development agreement, and building exterior visual renderings with the City of Ramsey for its intended project before Closing. The Development Agreement and Site Plan must comply with all local zoning ordinances and design standards, including The COR Design Standards.

SELLER: The City of Ramsey, a Minnesota municipal corporation

By: _____ Dated: _____, 2021
Mark E. Kuzma, Mayor

By: _____ Dated: _____, 2021
Kurt Ulrich, City Administrator

BUYER: JAVA COMPANIES L.L.C. & OR ASSIGNS

By: _____ Dated: _____, 2021
Mark Krogh, Chief Manager

Exhibit A

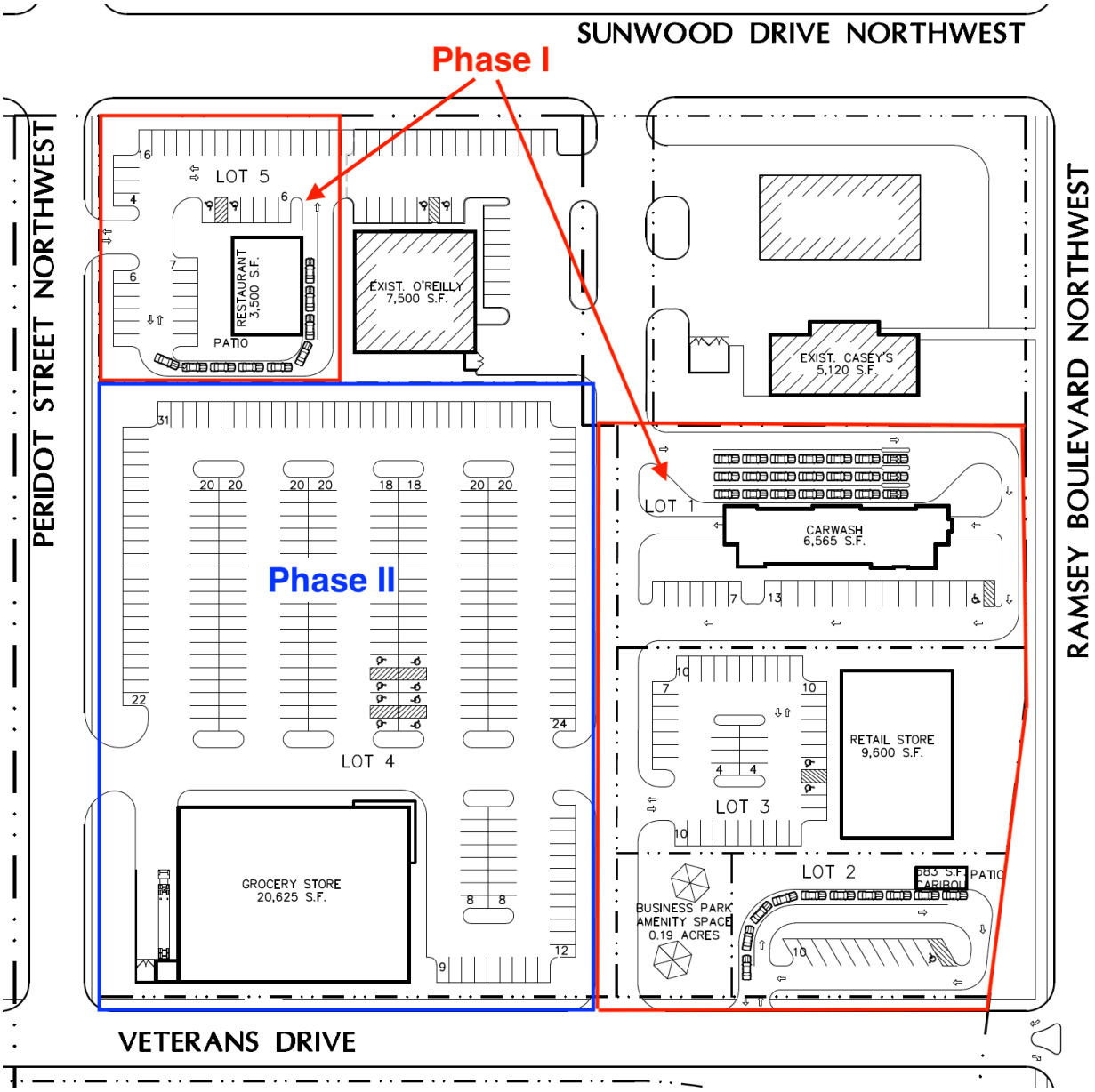
Legal Description

Outlot A, Java Auto Parts, to be platted as:

T.B.D. Anoka County, Minnesota

PID Number: Portion of 28-32-25-41-0020 ("Property")
approximately 6.97 acres (303,613 SF)

Exhibit B


SUNWOOD DRIVE NORTHWEST
Phase I
PERIDOT STREET NORTHWEST
RAMSEY BOULEVARD NORTHWEST
LOT 5
RESTAURANT
3,500 S.F.
PATIO
EXIST. O'REILLY
7,500 S.F.
EXIST. CASEY'S
5,120 S.F.
Phase II
LOT 1
CARWASH
6,565 S.F.
LOT 4
LOT 3
RETAIL STORE
9,600 S.F.
GROCERY STORE
20,625 S.F.
LOT 2
BUSINESS PARK
AMENITY SPACE
0.19 ACRES
VETERANS DRIVE

CC Regular Session **5. 13.**

Meeting Date: 10/25/2022

By: Bruce Westby, Engineering/Public Works

Information

Title

Adopt Resolution #22-244 Accepting Proposals and Authorizing Execution of Proposal by Dave Perkins Contracting for Improvement Project #22-14, Argon Street Drainage Improvements

Purpose/Background:

Purpose:

Adopt Resolution #22-244 accepting proposals and authorizing execution of proposal by Dave Perkins Contracting, Inc. for Improvement Project #22-14, Argon Street Drainage Improvements.

Background:

The Halland Acres residential development was platted in 1972, two years before the City of Ramsey incorporated in 1974. A copy of the plat is attached for reference.

Over the years, Staff have been contacted by several property owners in this subdivision regarding various drainage concerns. In general, stormwater runoff from City right-of-way's is being conveyed through numerous properties along Argon Street and Barium Street between Alpine Drive and 154th Lane. The larger areas where stormwater is being conveyed across private properties are not encumbered by drainage and utility (D&U) easements. Only perimeter D&U easements were platted with the Halland Acres development. Attached is an exhibit showing the existing drainage path through the private properties.

The current property owners of 15410 Argon Street contacted Staff this Spring and stated that the previous homeowner replaced the septic system shortly before they purchased the home in the Spring of 2017. Staff researched this and found that the septic system was replaced by the previous property owner in 2012. An inspection was performed by the City in 2016 and the system was found to be compliant and in good operating condition.

On October 3, 2016, Public Works Staff met with the previous property owner to discuss their stormwater runoff concerns, namely that stormwater runoff was backing up from the perimeter drainage easement along the rear property line and was encroaching upon their walkout entry door on the east side of the house. Public Works Staff completed some minor grading work on the property in the Spring of 2017 by lowering the elevation of the yard in two spots in an attempt to prevent water from backing up towards the house. Attached is a copy of the letter sent to the property owner in advance of the grading work. Grading work was not completed over the drain field to avoid damage.

On March 14, 2019, the current property owner called Public Works to request that snow be removed from their yard to allow stormwater runoff to flow to the west as it normally does. They stated they had to pump about 200 gallons of stormwater runoff from their basement and asked for City assistance to remove a snow dam from their yard that was causing stormwater runoff to back up through the yard and into their home.

On March 18, 2022, Public Works Superintendent Grant Riemer visited the property after the property owner called to say water was entering through the walkout entry door. The property owner then requested that the City complete a drainage improvement project to keep stormwater runoff away from their house, and stated that the City is responsible for the water entering their house because of the grading work the City completed and because the City approved the new septic system after it was installed.

In April of 2022, Engineering Staff surveyed the property, as well as the Argon Street right-of-way including the

drainage ditches and a culvert that crosses under Argon Street, directing stormwater runoff from the east side of Argon Street to the west side and through the property at 15410 Argon Street.

On May 11, 2022, Public Works Staff placed sand bags outside the walkout entry door in response to the property owners concerns with a large rain event forecast for that evening. To date, these sand bags have remained in place and have prevented stormwater runoff from entering the home during several heavy rain events.

On June 21, 2022, the Public Works Committee considered an improvement project as designed by City Staff to collect stormwater runoff from Argon Street using storm sewer pipe, manholes and ditch inlets, with the storm sewer being directed to the existing stormwater pond south of Alpine Drive between Argon and Barium Streets. Though this design would have prevented stormwater runoff from Argon Street from being conveyed though private properties, the estimated project cost was $500,000 so the Committee directed Staff to explore more cost-effective options. Meeting minutes are attached.

On July 19, 2022, the property owners of 15410 Argon Street addressed the Public Works Committee. Based on discussions from that meeting, Staff enlisted Bolton & Menk to collect topographic survey data across several properties along Argon Street and Barium Street for the purpose of designing and preparing plans for a drainage improvement project contained to 15410 Argon Street, and to ensure that performing the required grading on this property would not adversely impact properties downstream. Meeting minutes are attached.

On August 22, 2022, the Public Works Committee received an update from Staff on the status of the design and plans, and the Committee directed Staff to finalize the plans and obtain quotes, and if the low quote did not exceed $10,000 Staff was directed to take the low quote directly to City Council for approval. Meeting minutes are attached.

In late August, Staff received the survey data from Bolton & Menk and used it to finalize plans and confirm that the proposed grading on 15410 Argon Street would not have an adverse impact on properties downstream.

Staff prepared the attached Request for Proposal (RFP) and submitted it to 5 contractors. Proposals were requested by 10 AM, October 5, 2022. Three proposals were received in the not-to-exceed lump sum amounts shown below.

Contractor	**Lump Sum Not-to-Exceed Proposal Amount**
Dave Perkins Contracting, Inc.	$16,760.00
One Call Contracting, Inc.	$16,987.00
Kuechle Underground, Inc.	$45,000.00

All three proposals exceeded the not-to-exceed amount of $10,000 as directed by the Public Works Committee so in lieu of presenting the proposals to City Council for action on October 11, 2022, Staff requested additional direction from the Public Works Committee on October 18, 2022. The Public Works Committee asked Staff what the estimated low quote might be if the City were to request new quotes next Spring allowing for a longer project completion schedule and design modifications aimed at reducing costs by replacing the concrete drainage structure with a smaller plastic structure or another type of structure. Staff responded that based on the quotes received, as well as current and forecast material prices, project costs could potentially come in between $12,000 and $14,000. Following this discussion, the Public Works Committee passed a motion to recommend that the City Council accept the three proposals and authorize execution of the proposal of Dave Perkins Contracting, Inc. in the amount of $16,760 for construction of the Argon Street Drainage Improvements.

Notification:

Notifications are not required for this case.

Observations/Alternatives:

Observations:
The owners of 15410 Argon Street support the project as proposed and verbally agreed to sign a right-of-entry agreement allowing the contractor access to the property to complete the work as proposed. Staff will present the right-of-entry agreement to the property owners following City Council approval of this case.

The property owners were asked if they would be willing to contribute any costs for the proposed drainage improvements on their property to help offset the difference between the Public Works Committee directed not-to-exceed amount of $10,000 and the low proposal not-to-exceed amount of $16,760. The property owners responded that they feel the City should pay for 100-percent of the proposed improvements for reasons previously discussed.

Alternatives:
Alternative #1 – Accept the three proposals received and authorize execution of the proposal from Dave Perkins Contracting, Inc. in the amount of $16,760 for construction of Improvement Project #22-14, Argon Street Drainage Improvements.

Funding Source:
Staff proposes to use Stormwater Funds to pay for the improvements.

Recommendation:
On October 18, 2022, the Public Works Committee passed a motion recommending City Council approval of Alternative #1.

Action:
Accept the three proposals received and authorize execution of the proposal from Dave Perkins Contracting, Inc. in the amount of $16,760 for construction of Improvement Project #22-14, Argon Street Drainage Improvements.

Attachments

Resolution 22-244
Plans IP 22-14
RFP IP 22-14
Halland Acres Plat
PWC minutes 062122
PWC minutes 071922
PWC minutes 082222
Existing Drainage Exhibit

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 10:37 AM
Form Started By: Bruce Westby		Started On: 10/19/2022 12:02 PM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-244

RESOLUTION ACCEPTING PROPOSALS AND AUTHORIZING EXECUTION OF PROPOSAL BY DAVE PERKINS CONTRACTING, INC. FOR IMPROVEMENT PROJECT #22-14, ARGON STREET DRAINAGE IMPROVEMENTS

WHEREAS, the City of Ramsey proposes to construct drainage improvements on the private property at 15410 Argon Street to prevent stormwater runoff generated from the City-owned right-of-way for Argon Street from continuing to enter the home on the property; and

WHEREAS, pursuant to direction from the City of Ramsey Public Works Committee, Staff prepared plans and specifications and a Request for Proposal for Improvement Project #22-14, Argon Street Drainage Improvements, and submitted the RFP to five contractors; and

WHEREAS, on October 5, 2022, three (3) proposals were received and the following proposals were found to comply with the plans and specifications and Request for Proposal; and

Contractor	**Lump Sum Not-to-Exceed Proposal Amount**
Dave Perkins Contracting, Inc.	$16,760.00
One Call Contracting, Inc.	$16,987.00
Kuechle Underground, Inc.	$45,000.00

WHEREAS, the proposal of Dave Perkins Contracting, Inc. in the lump sum not-to-exceed amount of $16,760.00, for construction of said improvements in accordance with the plans and specifications and Request for Proposal, is the lowest responsible proposal and their proposal shall be and hereby is accepted.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The Mayor and City Administrator are hereby authorized and directed to execute the proposal of Dave Perkins Contracting, Inc. in the lump sum not-to-exceed amount of $16,760.00 for construction of the improvements in accordance with the plans and specifications and Request for Proposal, for and on behalf of the City of Ramsey.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

_____
Mayor

ATTEST:

_____
City Clerk

CITY OF RAMSEY
15410 ARGON STREET DRAINAGE IMPROVEMENTS
CITY IMPROVEMENT PROJECT NO. 22-14

LOCATION MAP

GOVERNING SPECIFICATIONS

THE 2020 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATIONS FOR CONSTRUCTION" SHALL GOVERN.

ALL FEDERAL, STATE AND LOCAL LAWS, REGULATIONS AND ORDINANCES SHALL BE COMPLIED WITH IN THE CONSTRUCTION OF THIS PROJECT.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM TO THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, INCLUDING THE FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET INDEX

THIS PLAN CONTAINS 3 SHEETS

0 50 100 150
SCALE (FEET)

N

City of RAMSEY

CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-02, ENTITLED "STANDARD GUIDELINES FOR THE COLLECTION AND DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

NOTE: EXISTING UTILITY INFORMATION SHOWN ON THIS PLAN HAS BEEN PROVIDED BY THE UTILITY OWNER. THE CONTRACTOR SHALL FIELD VERIFY EXACT LOCATIONS PRIOR TO COMMENCING CONSTRUCTION AS REQUIRED BY STATE LAW. NOTIFY GOPHER STATE ONE CALL 1-800-252-1166 OR 651-454-0002

GSOC

Call before you dig
811
651 454-0002 Metro
800 252-1166 Outstate
www.gopherstateonecall.org

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.

JOE FERIANCEK, P.E.

57095 LIC. NO.

DATE 09/27/22

DATE	REVISION

SHEET 1 OF 3 SHEETS

Sep 27, 2022 - 10:44am
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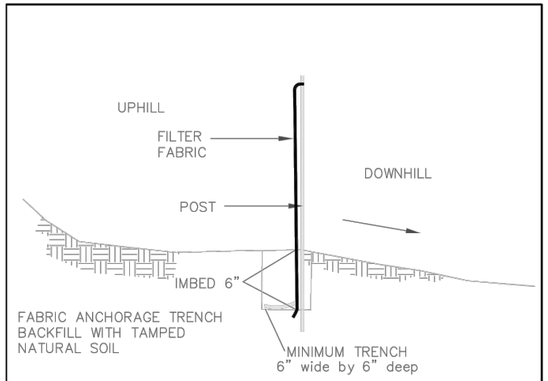
IP 22-14
15410 Argon Street Drainage Improvements

STATEMENT OF ESTIMATED QUANTITIES

Item No.	MnDOT No.	Item Description	Unit	Quantity
1	2021.501	MOBILIZATION	1	1
2	2105.607	COMMON EXCAVATION (EV)	61	61
3	2501.503	15" CS PIPE	5	5
4	2501.502	15" CS PIPE APRON	1	1
5	2503.602	CONNECT TO EXISTING SEWER (STORM)	1	1
6	2506.502	CASTING ASSEMBLY (STORM)	1	1
7	2506.502	CONSTRUCT DRAINAGE STRUCTURE DESIGN 27-4020	1	1
8	2563.601	TRAFFIC CONTROL	1	1
9	2573.502	STORM DRAIN INLET PROTECTION - CULVERT	1	1
10	2573.503	SILT FENCE, TYPE MS	27	27
11	2574.507	SALVAGE & INSTALL TOPSOIL	27	27
12	2574.508	FERTILIZER TYPE 3	10	10
13	2575.505	SEEDING	0.08	0.08
14	2575.508	HYDRAULIC MATRIX TYPE MULCH	320	320
15	2575.508	SEED MIXTURE 25-151	10	10

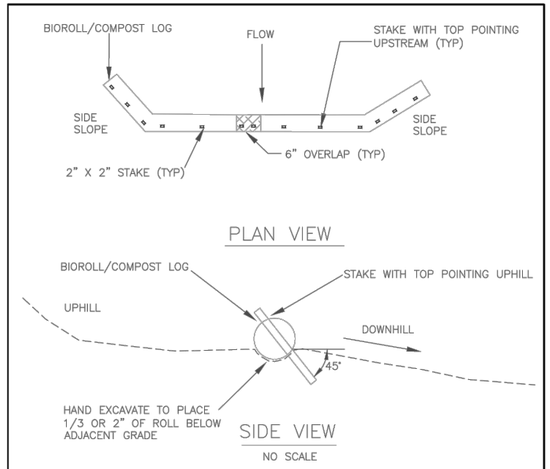
GENERAL NOTES:

1. THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES ARE SHOWN IN AN APPROXIMATE WAY ONLY. IT IS NOT GUARANTEED ANY OR ALL EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING UTILITIES BEFORE COMMENCING WORK. HE AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH MIGHT BE OCCASIONED BY HIS FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL EXISTING IRRIGATION SYSTEMS WITHIN THE PROJECT CONSTRUCTION LIMITS BEFORE COMMENCING WORK. THE CONTRACTOR IS RESPONSIBLE FOR AVOIDING DAMAGE TO IRRIGATION SYSTEMS WHERE POSSIBLE.
3. THIS PROJECT IS PAID ON A LUMP SUM BASIS.



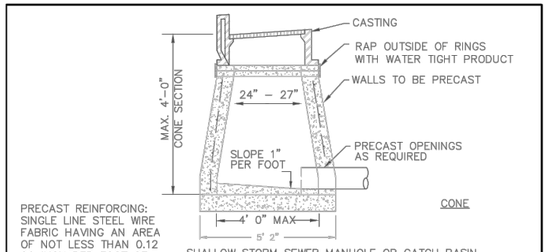
SILT FENCE DETAIL
NO SCALE

APPROVED: 1 – 2016 | City of RAMSEY | STANDARD DETAILS: SILT FENCE | CITY PLATE No. ERO–1

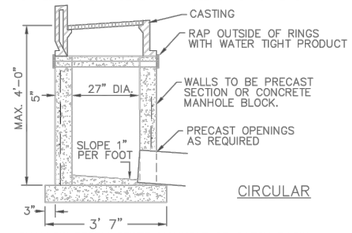


NOTE:
STAKE INTO GROUND WITH WOOD STAKES DRIVING STAKE 6" INTO GROUND AND PROTRUDING 2" ABOVE LOG
WOOD STAKES ARE A MINIMUM 0.5" X 2" X 16" AND PLACED EVERY 1' UNLESS PRECLUDED BY A ROCK
WHEN MORE THAN 1 BIOROLL/COMPOST LOG IS NEEDED, OVERLAP ENDS A MINIMUM OF 6" AND STAKE
WOOD STAKES ARE DRIVEN THROUGH BACK HALF OF BIOROLL OR COMPOST LOG AT 45° ANGLE WITH TOP OF STAKE POINTING UPHILL

APPROVED: 3 – 2016 | City of RAMSEY | STANDARD DETAILS: BIO ROLL (COMPOST LOG) | CITY PLATE No. ERO–4



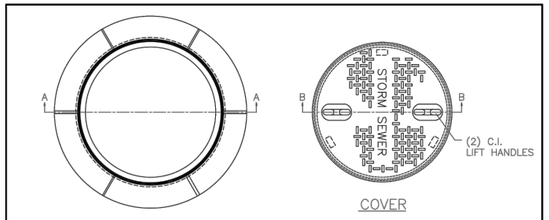
SHALLOW STORM SEWER MANHOLE OR CATCH BASIN



SHALLOW STORM SEWER MANHOLE OR CATCH BASIN

NOTES:
1. MANHOLE INVERT SHALL BE SLOPED TO PROVIDE A SMOOTH FLOW FROM INLET TO OUTLET.
2. CONCRETE BASE SHALL BE 6" POURED IN PLACE OR 5" PRECAST SLAB.
3. CONCRETE ADJUSTING RINGS TO BE INSTALLED MAX 7–2" RINGS, MIN 2–2" RINGS.
4. GROUT BETWEEN RINGS
5. SHIMS USED FOR LEVELING SHALL BE METAL OR CONCRETE.
6. A 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES.
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE
8. TRACER WIRED ARE TO END IN STRUCTURES, AT FINIHED GRADE ON ALL SERVICES AND STUBS.

APPROVED: 6 – 2008 | City of RAMSEY | STANDARD DETAILS: STORM AREA INLET | CITY PLATE No. STO–2



NOTE: NOT TO SCALE

APPROVED: 2 – 2019 | City of RAMSEY | STANDARD DETAILS: WATER TIGHT CASTING | CITY PLATE No. STO–14

DATE	REVISION

Sep 27, 2022 - 10:45am
G:\Engineering\AutoCad Dwgs\Projects A-M\15410 Argon Street Drainage 22-14\Plan Drawings\22-14 Title Sheet.dwg

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

Joe Feriancek
JOE FERIANCEK
Date 9/27/22 Lic. No. 57095

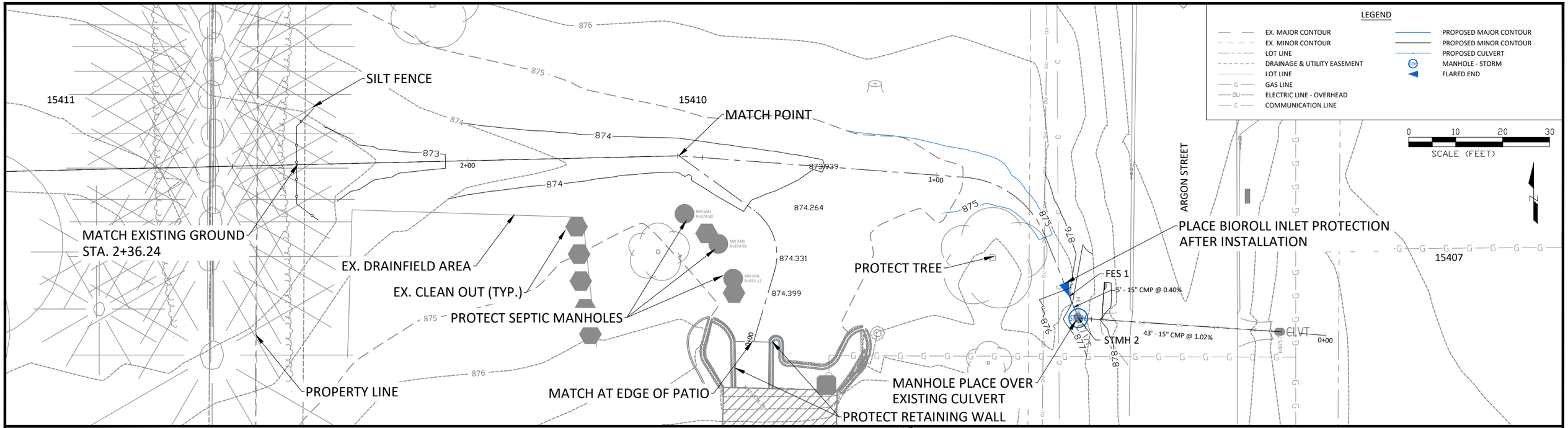
DESIGNED BY:	JJF	
DRAWN BY:	JJF	DATE: 09/27/22
CHECKED BY:	BRW	FILE: 22-14

City of RAMSEY
CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

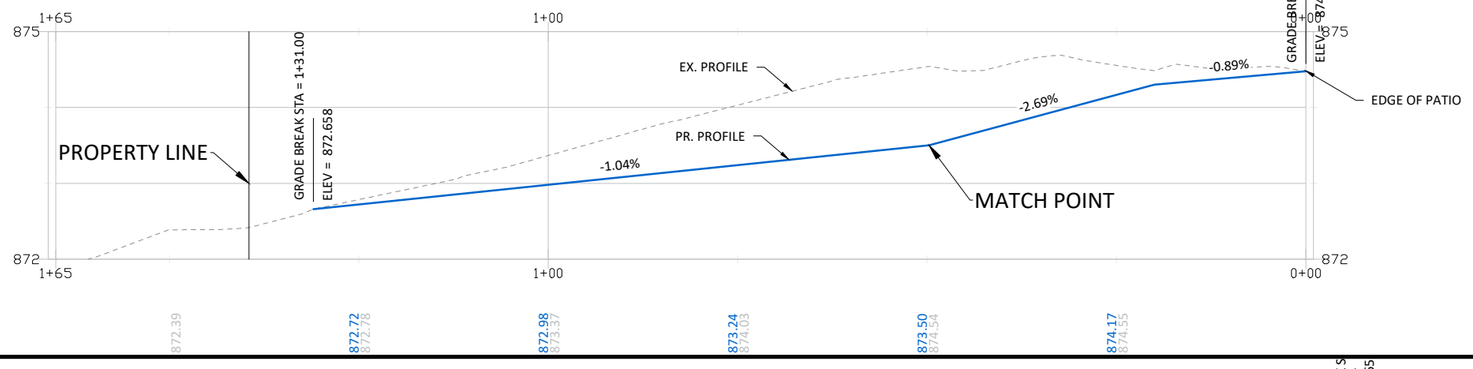
DETAILS & NOTES

15410 ARGON STREET DRAINAGE IMPROVEMENTS
CITY PROJECT NO. 22-14
CITY OF RAMSEY, MINNESOTA

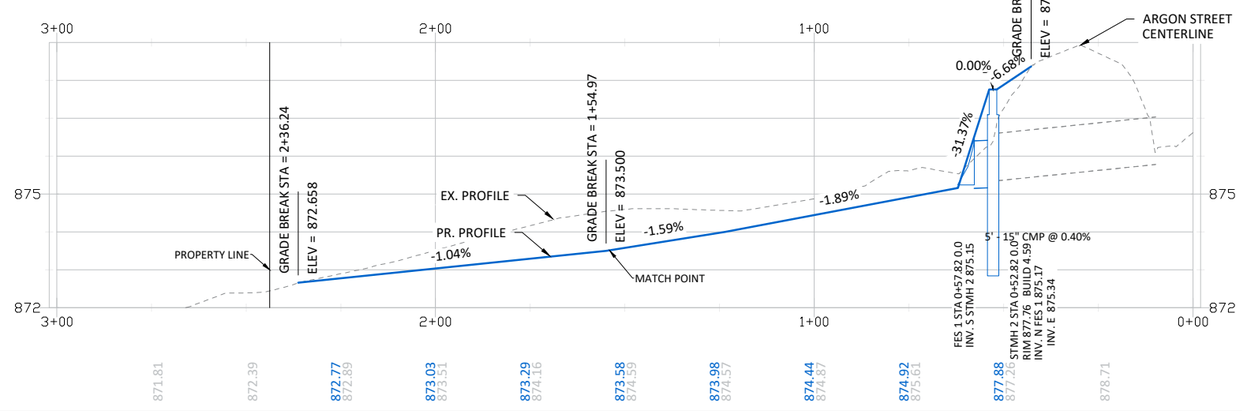
SHEET 2 OF 3 SHEETS



PROFILE: PATIO TO PROPERTY LINE



PROFILE: ARGON STREET TO PROPERTY LINE



DATE	REVISION

Sep 27, 2022 - 10:58am
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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

JOE FERIANCEK
Date 9/27/22 Lic. No. 57095

DESIGNED BY:	JJF	
DRAWN BY:	JJF	DATE: 09/27/22
CHECKED BY:	BRW	FILE: 22-14

CITY OF RAMSEY
7550 SUNWOOD DRIVE
RAMSEY, MN 55303
(763) 427-1410 FAX (763) 433-9898

SITE PLAN

15410 ARGON STREET DRAINAGE IMPROVEMENTS
CITY PROJECT NO. 22-14
CITY OF RAMSEY, MINNESOTA

SHEET 3 OF 3 SHEETS

REQUEST FOR PROPOSAL
CITY IMPROVEMET PROJECT 22-14
15410 ARGON STREET
DRAINAGE IMPROVEMENTS
City of Ramsey

ISSUE DATE
September 28, 2022

PROPOSAL MUST BE RECEIVED BY:
10:00 am on Wednesday, October 5, 2022

DELIVER PROPOSAL TO:
City of Ramsey Municipal Center
7550 Sunwood Drive NW
Ramsey, MN 55303
Attn: Marsha Weidner
763-433-9839

INTRODUCTION: The City of Ramsey (City) is requesting proposals from Contractors (Contractor) to place a storm manhole with an outlet on top of an existing culvert, and to re-grade an existing swale through 15410 Argon Street to improve drainage.

PROJECT SCOPE: The overall scope of this work includes;

- 61 cubic yards of Common Excavation
- 5 lineal feet of 15" CS Pipe
- 1 each of 15" CS Pipe Apron
- 1 each of Construct Drainage Structure Design 27-4020
    - Block Drainage Structure is acceptable
- 1 each of Furnish an Install Casting Assembly (Storm)
- 1 lump sum of Erosion Control
- 1 lump sum of Site Restoration
- 1 lump sum of Traffic Control

The City will inspect all construction, all work must be completed per the direction of and to the satisfaction of the City. Once work has commenced, the Contractor shall continuously pursue completion until work is complete.

SCHEDULE: The City will review proposals and bring the chosen proposal to City Council on Tuesday, October 11, 2022 for award. The project must be complete by **Tuesday, November 22, 2022**. A written schedule of the work shall be submitted identifying all work components and showing work start and completion dates required to comply with the schedule. Once work has commenced, the Contractor shall continuously pursue completion in accordance with the approved schedule.

PROPOSAL SUBMITTAL: A lump sum quote shall be submitted for the proposed work using the form at the end of this Request for Proposal (RFP).

COMMUNICATION WITH THE CITY: If any requirements of this RFP are not clearly understood, the Contractor is responsible for contacting the City for further clarification in a prompt manner. Responses to inquiries, if they change or clarify the RFP in a substantial manner, will be forwarded by addenda to the RFP.

SUBMISSION: A signed copy of the attached proposal form is requested by **10:00 A.M. Wednesday, October 5, 2022.** Deliver to the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey MN 55303 to the attention of Marsha Weidner, Engineering Administrative Assistant. E-mail quotes will be accepted and may be sent to MWeidner@cityoframsey.com.

PROPOSAL UNDERSTANDING: By submitting a proposal, the Contractor agrees to be bound to the terms and conditions herein.

COSTS OF PREPARATION: Under no condition will any costs of preparation of the proposal be reimbursed by the City.

LICENSE AND INSURANCE: By submitting a proposal, the Contractor affirms they shall maintain the following minimum insurance coverage while completing their work as related to this RFP in the following amounts: Commercial General Liability $1,000,000 per occurrence (written on an occurrence-based form bodily injury and property damage); automobile liability $1,000,000 per occurrence (including hired & non-owned bodily injury and property damage). The City of Ramsey shall be named as an additional insured on the Commercial General Liability insurance. Certificates of Insurance for all of the above insurance shall be filed with the City prior to the work. The Contractor also affirms they shall be licensed to perform the work in the State of Minnesota, and the work shall comply with all state and local laws.

WORKING HOURS: The work shall be carried out during normal working hours so as not to cause any unreasonable nuisance to affected residents and businesses. Under emergency conditions, this limitation may be waived in writing by the Engineer in conjunction with qualified local authority. Normal working hours for this work are considered to be from 7:00 a.m. to 8:00 p.m., Monday through Friday.

WORK AND STAGGING AREAS: The Contractor shall confine their work activities within construction limits and City-Owned right of way as shown on the plans. No equipment shall be left on City streets outside normal working hours.

SPECIFICATIONS: Work shall be conducted in conformance with the specifications set forth herein and in accordance with the latest edition of the Minnesota Department of Transportation Standard Specifications for Construction which is incorporated by reference to these specifications.

TRAFFIC CONTROL: All traffic control devices and layouts shall conform and be installed in accordance to the latest addition of the Minnesota Temporary Traffic Control Field Manual.

PAYMENT: Payment will be made upon submittal of an invoice to the City on a net 30 day basis following City acceptance of the work. An IC 134 form will be required prior to final payment.

BASIS OF AWARD: The City will award the project to the lowest proposal meeting the requirements of the plans and this request for proposal.

BASIS OF PAYMENT: Payment shall be made on a lump sum basis for all components of the work as specified in this RFP. The cost of any additional equipment, labor, materials, permits, tools, and supplies which have not been specifically identified in this section for payment, but are required to complete the work, shall be considered incidental to the project.

PROPOSAL FORM

This proposal is submitted to the City of Ramsey for IP 22-14; 15410 Argon Street Drainage Improvements. That _____ accepts the terms and conditions herein and agrees to complete all work for the total lump sum not-to-exceed amount of $_____ no later than Tuesday, November 22, 2022. All information below must be provided including signature(s).

Contractor Name _____

Owner or representative _____

Phone(s) _____

E-mail _____

Signature _____

Date _____

ORIGINAL 13

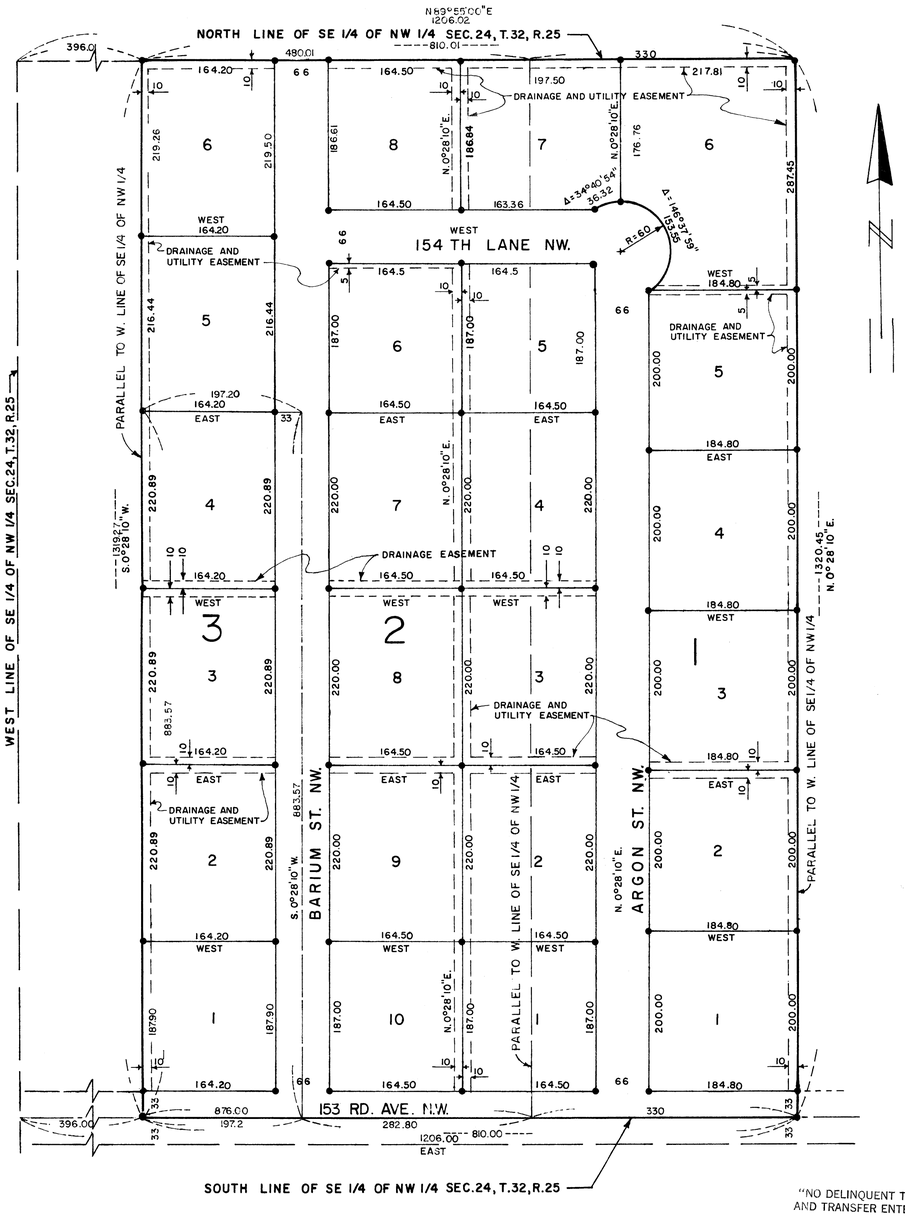
HALLAND ACRES

TOWNSHIP OF RAMSEY - COUNTY OF ANOKA

SCALE: 1" = 100'

● DENOTES IRON PIN

BEARINGS SHOWN ARE ASSUMED



LEROY H. WINNER & ASSOC., INC. - LAND SURVEYORS

"NO DELINQUENT TAXES AND TRANSFER ENTERED"
July 11 1972
Clarke A. Lefebvre
Auditor, Anoka County
by Anton H. Hintz
Deputy

AS MEASURED ALONG SAID SOUTH LINE,

Know all men by these presents that Patricia A. Wilberg, widow, owner and proprietor of the following described property situated in the County of Anoka, State of Minnesota, to-wit: The East 330 feet of the West 1,206 feet of the SE¼ of the NW¼ of Section 24, Township 32, Range 25 as measured along the South line thereof; and that Delia M. Barkuloo and Lloyd G. Barkuloo, wife and husband, owners and proprietors of that part of said SE¼ of the NW¼ described as follows: to-wit: Beginning at a point on the South line of said SE¼ of NW¼, 396 feet East of the Southwest corner thereof; thence East, continuing along said South line, to a point of intersection with a line parallel with and distant 876 feet East of the West line of said SE¼ of NW¼; thence North parallel with the said West line of SE¼ of NW¼ to the North line of said SE¼ of NW¼; thence West, along said North line of SE¼ of NW¼ to a point of intersection with a line parallel with and distant 396 feet East of the said West line of said SE¼ of NW¼; as measured along the said South line of said SE¼ of NW¼; thence South along said parallel line to the point of beginning; and that Anderson-Hall, Builders & Developers, Inc., a Minnesota Corporation, contract purchasers of all of the above described tracts except the West 197.2 feet of the South 883.57 feet of said SE¼ of the NW¼ as measured along the South and West lines, respectively, of said SE¼ of the NW¼, have caused the same to be surveyed and platted as HALLAND ACRES and do hereby donate and dedicate to the public for public use forever the Avenue, Lane, Streets and drainage and utility easements as shown on the annexed plat. In witness whereof said Patricia A. Wilberg, widow, has hereunto set her hand and seal this 19th day of June 1972 A.D.: and that Delia M. Barkuloo and Lloyd G. Barkuloo, wife and husband, have hereunto set their hands and seals this 19th day of June 1972 A.D.: and that Anderson-Hall, Builders & Developers, Inc., a Minnesota Corporation, has caused these presents to be signed by its proper officers and its corporate seal to be hereunto affixed this 19th day of June 1972 A.D.

In the presence of:

Glenn A. Berto, Witness — Brian Anderson, Witness — (Signed) Patricia A. Wilberg

Glenn A. Berto, Witness — Brian Anderson, Witness — Delia M. Barkuloo

Glenn A. Berto, Witness — Brian Anderson, Witness — Lloyd G. Barkuloo

Anderson-Hall, Builders & Developers, Inc.
A Minnesota Corporation

Glenn A. Berto, Witness — Brian Anderson, Witness — By Darius H. Anderson, President

Glenn A. Berto, Witness — Brian Anderson, and Elden E. Hall
Elden E. Hall, Secretary

STATE OF MINNESOTA)
COUNTY OF ANOKA) (SS

On this 19th day of JUNE 1972 A.D. before me, a Notary Public, within and for said County and State, personally appeared Patricia A. Wilberg, widow, to me personally known, to be the person described in and who executed the foregoing instrument; and she affirms and acknowledges that she executed the same as her own free act and deed.

GAIL E. SCHUETTE
Notary Public, Anoka County, Minn.
My Commission Expires June 23, 1977.

Gail E. Schuette
Notary Public, Anoka County, Minnesota
My commission expires 6-23-1977

STATE OF MINNESOTA)
COUNTY OF ANOKA) (SS

On this 19th day of JUNE 1972 A.D. before me, a Notary Public, within and for said County and State, personally appeared Delia M. Barkuloo and Lloyd G. Barkuloo, wife and husband, to me personally known, to be the persons described in and who executed the foregoing instrument: and they affirm and acknowledge that they executed the same as their own free act and deed.

GAIL E. SCHUETTE
Notary Public, Anoka County, Minn.
My Commission Expires June 23, 1977.

Gail E. Schuette
Notary Public, Anoka County, Minnesota
My commission expires 6-23-1977

STATE OF MINNESOTA)
COUNTY OF ANOKA) (SS

On this 19th day of JUNE 1972 A.D. before me, a Notary Public, within and for said County and State, personally appeared Darius H. Anderson and Elden E. Hall to me personally known, who being by me, each duly sworn, did say that they are respectively, the president and secretary of Anderson-Hall, Builders & Developers, Inc., the corporation named in the foregoing instrument: that the seal affixed to said instrument is the corporation seal of said Corporation; and that said instrument was signed and sealed in behalf of said Corporation by authority of its board of directors and said Darius H. Anderson and Elden E. Hall acknowledge said instrument to be the free act and deed of said Corporation.

GAIL E. SCHUETTE
Notary Public, Anoka County, Minn.
My Commission Expires June 23, 1977.

Gail E. Schuette
Notary Public, Anoka County, Minnesota
My commission expires 6-23-1977

I do hereby certify that I have surveyed and platted the property described in the dedication of this plat as HALLAND ACRES; that this plat is a correct representation of said survey, that all distances are correctly shown on said plat in feet and nearest hundredth of a foot; that all monuments have been correctly placed in the gound as shown on the plat; that the outside boundary lines are correctly designated on the plat; and there are no wet lands or public highway to be designated on said plat other than shown thereon.

Surveyor LeRoy H. Winner
Minnesota Registration No. 4987

STATE OF MINNESOTA)
COUNTY OF MILLE LACS) (SS

Above certificate subscribed and sworn to before me, a Notary Public within said County and State on this 19th day of June 1972 A.D.

D. W. TEIGEN
NOTARY PUBLIC - MINNESOTA
MILLE LACS COUNTY
My Comm. Expires Jan. 22, 1977

D. W. Teigen
Notary Public, Mille Lacs County, Minnesota
My commission expires 1-22-77

371336
OFFICE OF REGISTER OF DEEDS
STATE OF MINNESOTA, COUNTY OF ANOKA } ss

I hereby certify that the within instrument was filed in this office for record on the ---day of JUL 1 1 1972 *A.D., 19*5--- *at* 11 *o'clock* A *M., and was duly recorded in book* 2 *of* Plats *page* 12

Fred J. Crandall
Register of Deeds
By Margaret Russell
Deputy

ANNEXED PLAT OF HALLAND ACRES WAS APPROVED BY THE PLANNING COMMISSION OF THE TOWNSHIP OF RAMSEY AT A REGULAR MEETING THEREOF HELD THIS 5TH DAY OF JUNE A.D. 1972.

Gary R. Reimann CHAIRMAN

The annexed plat of HALLAND ACRES was approved by the Town Board of the Township of Ramsey at a regular meeting held this 19th day of June 1972 A.D.

Charles E. Murphy
Chairman of Town Board

Jane M. Peterson
Clerk of Town Board

Recommended for approval this 20th day of June 1972 A.D.

G. J. Lemdstrom
County Highway Engineer, Anoka County, Minnesota

This plat was approved as to form and execution on this 11th day of July 1972 A.D.

Robert A. Johnson
County Attorney, Anoka County, Minnesota

This plat was checked and approved on this 20th day of June 1972 A.D.

Roland W. Anderson
County Surveyor, Anoka County, Minnesota

This plat was approved and accepted by the Board of County Commissioners of the County of Anoka, State of Minnesota, at a regular meeting held this 20th day of June 1972 A.D.

Fred A. Erickson
Chairman

Charles R. Lefebvre
County Auditor
by Lucile E. Lage, Deputy

PUBLIC WORKS COMMITTEE
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Public Works Committee conducted a regular meeting on Tuesday, June 21, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Chairperson Chris Riley
Councilmember Debra Musgrove
Councilmember Matt Woestehoff

Also Present: Public Works Superintendent Grant Riemer
City Engineer Bruce Westby
Civil Engineer II Joe Feriancek
Finance Director Diana Lund
Community Development Director/Deputy City Admin Brian Hagen

1. CALL TO ORDER

Chairperson Riley called the regular meeting of the Public Works Committee to order at 5:30 p.m.

2. CITIZEN INPUT

There was none.

3. APPROVE AGENDA

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the agenda, as presented.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

4. APPROVE MINUTES

4.01: Approve May 17, 2022, Meeting Minutes

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the following minutes:

Regular Meeting Minutes dated May 17, 2022

Further discussion: Councilmember Musgrove noted on page nine, paragraph seven, it should state, "…indicates ~~they~~ we…"

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

5. COMMITTEE BUSINESS

City Engineer Westby suggested first considering case 5.02 as a resident is not yet present for case 5.01.

5.02: Review Bicycle and Pedestrian Facilities as Part of the 161st Avenue Street Reconstruction

Civil Engineer II Feriancek reviewed the staff report and stated that staff recommends alternative one, reconstructing 161st Avenue as a minimum width two lane road with a six-foot boulevard and ten-foot bituminous trail on the north side.

City Engineer Westby referenced an email he received from Councilmember Woestehoff who asked about running a trail between the fields and PACT. He stated that staff did look at that option but that would place the trail within the foul area of the ball field. He commented on the high cost to move fields. He stated that staff could review that option in more detail, but it may interfere with field use and rental. He commented that this is an MSA road, therefore they are limited in the options for design. He stated that the City does have the ability to change its MSA routes, if desired, but noted that it a lengthy process as well and it would still most likely make sense to widen the road.

Councilmember Woestehoff asked if PACT could be asked to have an easement and put the trail on their property as it would provide mutual benefit. He commented that the neighborhood does not want to see loss of mature trees and it would also change the look of Central Park dramatically. He stated that he would not be in favor of the bike lane as he believed people will most likely park in that lane.

Civil Engineer II Feriancek stated that the current plan has a ten-foot gap between the property line and parking lot.

Chairperson Riley stated that is an option he would be interested in finding out more about. He stated that of the options given, option three would seem to be the best fit for safety and to lose the minimum number of trees.

Councilmember Musgrove stated that she agrees that tree removal should be avoided to the extent possible. She agreed that removing a number of trees would impact the character of the park and therefore would like to look at the possibility of another trail placement that could avoid more tree loss. She stated that she does appreciate the staff time and thought in developing these creative ideas for trails.

Civil Engineer II Feriancek confirmed the consensus of the Committee to work with the developer and try to keep the trail north, staying out of the playing fields.

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to direct staff to further investigate option three as well as alternative to negotiate with PACT for a ten-foot trail on the western boundary to the fields.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

5.01: Consider Recommendation to City Council Authorizing Preparation of Plans and Specifications for 2022 Argon Street Drainage Improvements

City Engineer Westby reviewed the staff report and recommendation to recommend City Council authorization to prepare plans and specifications for 2022 Argon Street Drainage Improvements.

Chairperson Riley referenced the replacement of the septic system that was mentioned and asked if there was flooding before that replacement occurred.

Luke Buchholz, 15407 Argon Street, replied that he was not aware of flooding before the previous owner replaced the septic system.

Councilmember Woestehoff asked the pavement rating for Argon and when the road is scheduled for work next.

Public Works Superintendent Riemer replied that he believed the road had a rating of five or six.

Councilmember Woestehoff asked if the improvement could be delayed until work is done on the road. He stated that perhaps if a pavement management project is planned at a future time, the improvement could become part of that project and be budgeted for. He commented that he would have a hard time developing plans and specifications and spending $500,000 for something that only impacts four homes.

Chairperson Riley noted that the next road improvement would be an overlay, not a reconstruction.

City Engineer Westby replied that the resident has had water in their basement at least twice now and the rain events are becoming more intense each year which will lead to further flooding.

Councilmember Woestehoff stated that nothing in the case makes this seem like this was caused by the City. He stated that when he lived in Richfield his basement flooded on multiple occasions and he did not call the City to regrade his yard. He stated that he would not have a problem assisting with plans and specifications but believed there are better ways to spend $500,000.

Mr. Buchholz stated that he did not think going to the south with a pipe would be feasible because of the grade. He commented that all the water already goes to the west. He stated that the City already did a regrading once, but it was not done correctly. He believed a proper swale would have provided a solution and suggested curving the swale around the septic. He commented that the culvert under Argon Street was not properly sized for all the water that it handles. He commented that after the last overlay, the road surface is almost at the same level as the curb, so

half the water is running off the roads into the driveways and ditches. He believed that regrading a better swale and resizing the culvert would provide a solution. He believed the pond to the west was adequately sized.

Chairperson Riley commented that again it seems that the replacement of the septic system was the cause of these issues.

City Engineer Westby replied that typically when a new system is installed it is put in a new location and perhaps that was part of the issue. He stated that staff could look to see what perpetuated the drainage issue, look at potential costs for regrading, and potential impacts.

Chairperson Riley recognized the hesitancy of the Committee to spend $500,000 to fix something that was caused by replacement of a septic system.

Councilmember Musgrove asked if this would be a situation where a rain garden could help.

City Engineer Westby replied that he is unsure of the soil types in that area or level of the water table. He commented that with the wetland complex to the west he would guess the water table could be high. He identified other properties that have reached out to the City with complaints on this topic. He commented that when the original property owner put the septic system in, he did have problems with water coming into his basement.

Mr. Buchholz commented that per the MS4 Permit, the City is not allowed to send water from the right-of-way onto private land. He commented that if there is not drainage and utility easement through Mr. Ridgeway's property, drainage cannot be sent into that area.

City Engineer Westby replied that there is an issue, and Staff's proposed design would prevent that from occurring and prevent the City from having to purchase an easement. He explained that when the City was incorporated, it incorporated the existing drainage systems and issues.

Chairperson Riley commented that he is shocked at the cost.

Councilmember Woestehoff referenced property four in the diagram which he believed does have an easement. He asked if the issue is that the easements are not in the right place and in order to use that easement there would need to be significant tree removal.

City Engineer Westby stated that in order to direct water to that location, water would need to be rerouted which would include regrading.

Councilmember Woestehoff commented that there is an easement between properties seven and four.

City Engineer Westby replied that there is easement but that is not where the drainage wants to go. He stated that if they were going to perpetuate drainage through the yard, an easement would need to be purchased.

Councilmember Woestehoff stated that it is nice that staff has been helpful even though this does not appear to be the fault of the City at any time.

City Engineer Westby confirmed the consensus of the Committee, directing staff to pursue a less costly option.

5.03: Consider Recommending City Council Approving Plans and Specifications and Authorizing Advertisement for Bids for Autumn Heights Street Reconstructions, Improvement Project #22-02

Civil Engineer II Feriancek reviewed the staff report and recommendation to recommend that the City Council approve plans and specifications and authorize advertisement for bids for Autumn Heights Street Reconstructions, Improvement Project #22-02. Alternatively, the Committee could recommend revising the plans to include the "reclamation light" design at an estimated 43 percent cost savings, however, these streets would then have a different design than all other recently reconstructed streets in Ramsey which would provide a lesser pavement design strength and shorter design life.

Councilmember Musgrove asked for clarification on the eight feet of existing driveways mentioned in the report. She also asked whether there is a need for curb and gutter or whether that is just needed on one section.

Civil Engineer II Feriancek replied that 167th west of Armstrong goes uphill and turns left. He stated that the drainage along the hill goes to the ditches as there are no swales. He stated that curb and gutter would be added to that section to manage that drainage and keep soil from spilling into the road. He stated that the eight feet of driveways provides enough space to tie into the new pavement. He stated that over time parts of the road sink or raise and therefore space is needed to recreate the profile, which will cause some driveways to be slightly adjusted as well.

Councilmember Musgrove asked if the curb and gutter is only in that section.

Civil Engineer II Feriancek confirmed that the curb and gutter is only along that portion of 167th.

Councilmember Woestehoff asked how a reclamation and overlay would differ.

Civil Engineer II Feriancek replied that an overlay would mill out the top layer, but reflective cracking still occurs. He stated that there is a lot of alligator cracking on the road, which would cause the overlay to break up. He stated that a reclaim will mill off additional material to create new class five material.

Councilmember Woestehoff asked if they could do that without doing a full depth reclamation, specifically asking for more explanation on the reclamation light option.

Civil Engineer II Feriancek stated that the reclaim light would mill off the top and a little into the gravel.

City Engineer Westby replied that the reclaim is still the same in both the full depth and light options. He explained that in a full depth reclamation they remove some of the reclaim and put two lifts of pavement, whereas the light version removes less reclaim and puts one layer of pavement on top.

Chairperson Riley referenced the cost difference, noting that the light version is less than half the cost.

Civil Engineer II Feriancek stated that the reduced cost does not include the other improvements proposed, noting that the grade would not be adjusted and therefore it may not be as smooth and it would also remove the curb and gutter, culvert replacement, and other proposed improvements for the project.

City Engineer Westby replied that the road would be a touch better than the originally constructed road. He explained that the City currently constructs roads to a seven-ton design load, whereas this would only be rated for perhaps five tons. He stated that 60 years is the typical lifespan for a new road, whereas this would be maybe between 25 and 40 years.

Councilmember Woestehoff stated that doing these types of improvements could help to solve the bubble situation and spread some repairs over time and the lower cost would help to spread needed repairs to more areas.

Councilmember Musgrove asked if this project was on the 2022 CIP.

City Engineer Westby confirmed that this road was planned for 2022.

Councilmember Musgrove stated that she could support the light version if there were a plan for how many roads could be placed into that category. She stated that she also has a desire to see the road project move forward as planned.

Chairperson Riley asked if this neighborhood would be a good candidate for the light option. He asked all residential neighborhoods would be equally available for the light option or whether it would not be recommended for some roads.

City Engineer Westby replied that it would depend upon the subgrade soils. He stated that it sounds like there were some poor subgrade sections in this area where soil corrections were going to be done and if that does not happen the road would fail faster. He stated that he would target the light option on streets that have better subgrade sections.

Public Works Superintendent Riemer commented that the east side of the project basically only sees traffic from the people living there while the west side has a fair amount of cut-through traffic.

Civil Engineer II Feriancek commented that the subgrade soils on the east side are worse and the subgrade on the west side are better, but people do cut through the west side to get to other neighborhoods.

Councilmember Woestehoff stated that because this is rural residential with less density it would seem like a prime candidate for the light reclaim option. He asked if there would be a hybrid option.

Chairperson Riley asked for details on the half cul-de-sac proposed.

Civil Engineer II Feriancek replied that would allow turn around space for emergency vehicles. He did not believe residents would provide additional right-of-way for a full cul-de-sac as it would significantly impact the resident to the north and take most of his driveway.

Chairperson Riley commented that this was planned for last year and is now planned for this year but is just being brought forward now which means it may not be completed. He asked why this did not come forward earlier.

City Engineer Westby replied that this was the last project and staff has had a heavy workload.

Councilmember Musgrove asked staff for details on a potential hybrid option and whether the reclaim light would be proposed for the west or east portion. She also asked the impact of doing a reclaim light on the eastern portion.

Civil Engineer II Feriancek replied that if the subgrade soils on the east are not corrected, that would fail faster. He commented that perhaps 20 years could be gotten, but maybe not.

Chairperson Riley stated that the Committee would be interested in hearing which projects would be feasible for reclaim light and acknowledged that if there are poor soils those roads would not be good for the reclaim light option.

City Engineer Westby commented that staff will need to track where reclaim light is done to ensure the proper maintenance schedule is followed in the future.

Councilmember Woestehoff asked if it would make sense to split the project into two projects, full reclaim on the east side and reclaim light on the west side, for tracking purposes. He believed that the light reclaim will be a viable option going forward for some roads in order to complete more improvements at a lesser cost.

City Engineer Westby stated that staff could figure out how to track this and would prefer to keep the entire project together.

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to recommend City Council approval of plans and specifications and authorizing advertisement for bids for Autumn Heights Street Reconstructions, Improvement Project #22-02 with the assumption that the eastern portion will be full-depth reclaim and the western portion will be reclaim light.

Further discussion: Councilmember Musgrove asked where the cul-de-sac is located and whether that would still be constructed. Civil Engineer II Feriancek replied that while the cul-de-sac is on the western portion, that portion could be full-depth in order to complete that improvement.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

5.04: Consider Recommendation to City Council to Temporarily Increase Funding for Pavement Management Program

City Engineer Westby reviewed the staff report and recommendation to temporarily increase annual PMP funding to mitigate immediate street reconstruction bubble needs and minimize annual maintenance costs in as few years as practical. It is important to consider that the longer the bubble continues, the greater the impacts related to street maintenance including equipment and material cost, professional services, and potentially staffing. On the flip side, the higher the annual PMP funding, the greater the impacts related to engineering costs including engineering staff and potential professional services. These costs must therefore be considered as well.

Chairperson Riley asked if the reclaim light is done, would that preclude a mill and overlay in the future.

City Engineer Westby confirmed that generally that would be true as there would not be enough pavement for that option. He commented that an overlay could be done to lengthen the lifespan, but a mill and overlay would not be an option.

Civil Engineer II Feriancek explained the differences in the proposed costs of the last case between full-depth reclaim and reclaim light.

City Engineer Westby replied that staff will provide better cost estimates at the next meeting.

Councilmember Woestehoff stated that he likes getting 25 percent more roads done. He stated that as much as he does not love the reclaim light option, it does help to spread the improvements out better over time.

Chairperson Riley confirmed the consensus of the Committee that the available ARPA funds mentioned should be spent on road projects.

Councilmember Woestehoff asked if the police body cams were still funded using ARPA dollars.

Finance Director Lund replied was excluded from the numbers and noted the estimate of the police cameras was about $268,000 in total for the entire system.

Councilmember Musgrove asked if the ARPA funds have to be used within a certain period of time.

Finance Director Lund stated that the first half of funds were received in 2021 and the next half will be received in 2022. She stated that contracts have to be in place by December 2023 and the funds have to be spent one year after that date.

Councilmember Musgrove referenced the road rating which helps to categorize the improvements needed and asked if the subgrade information could also be included to identify the streets that would be available for reclaim light.

City Engineer Westby replied that geotechnical work would need to be done with soil borings to review the soil conditions.

Chairperson Riley asked if the radar would provide that information.

City Engineer Westby replied that only provides details on the bituminous and aggregate section depths but does not identify soil types.

Chairperson Riley asked if engineering would have sufficient time to plan for improvements next year if the additional funding is approved now.

City Engineer Westby commented that if staff can start moving on it right away, that should be possible. He commented that they would have a Civil Engineer working on plans full time after this construction season is done. He commented that Civil Engineer II Feriancek would also be working on plans.

Civil Engineer II Feriancek reviewed the projects currently scheduled for the following year and stated that with the additional staff person assisting, they should be able to complete those plans.

Councilmember Woestehoff asked if the intent would be to use the additional funds for reconstructs, or to focus on the reclaim light projects.

Chairperson Riley commented that is part of the discussion.

Community Development Director/Deputy City Admin Hagen commented that if the additional funding is used on roads, every project for 2023 would use that funding in order to ensure the funds are spent on time.

Councilmember Woestehoff stated that his question was more of whether this is focused on getting the most miles of roads done. He asked if staff has some of the geotechnical data on about half the roads scheduled for reconstruction.

City Engineer Westby did not believe that would be accurate. He noted that there may be data from previous projects or developments in that area. He stated that the next step for the 2023 projects was to award contracts for geotechnical and topographical surveys.

Councilmember Woestehoff asked the cost to have geotechnical work done on all the roads proposed on the CIP for the next set of years.

City Engineer Westby noted that there are some streets that have known issues and perhaps just a boring or two would be adequate to confirm that information.

Civil Engineer II Feriancek provided more details on the estimated cost for that service.

Chairperson Riley commented that there is a known CIP schedule and perhaps it would be a good idea to do the projects planned for 2023 and then attempt to get the most number of miles completed with the additional funding.

City Engineer Westby replied that if City Council approvals could be gained immediately, staff could focus on that task.

Chairperson Riley asked what that would mean.

City Engineer Westby replied that perhaps if a dome project were to come forward, that engineering work would need to be contracted out in order for City staff to stay focused on roads.

Councilmember Woestehoff asked how finance feels about spending those funds on roads.

Finance Director Lund replied that they are going into budget discussions and roads were planned to be on the levy, therefore she would assume they would stay on that tract with the additional funding for roads. She stated that roads would then be $1,800,000 within the proposed budget. She clarified that contracts would need to be in place by December of 2024 for ARPA funds and spent by December 2026.

City Engineer Westby stated that the plan for 2023 is great but they would still need a plan for the next ten years.

Councilmember Musgrove asked some of the options.

Chairperson Riley commented that most of these are residential streets and could not use MSA funding. He confirmed that an additional $2,500,000 is needed each year for the next ten years.

Finance Director Lund provided details on the typical terms of bonding.

Councilmember Woestehoff asked if it would be smarter to do a larger amount to get more work done if they were to use bonding.

Finance Director Lund provided details on bonding and the timeline in which the funds have to be used.

Councilmember Musgrove asked if there would be an opportunity to use the consortium if a larger amount were bonded for.

City Engineer Westby replied that the consortium does sealcoating and crack sealing. He stated that the City could bond a larger amount and that costs could be spread over up to ten years.

Chairperson Riley commented that it seems that roads need to be reconstructed rather than overlaid and asked what is driving that.

City Engineer Westby replied that these are the roads that were inherited and the roads are at or near their life expectancy. He stated that the City does about two times the number of overlays compared to reconstructs. He commented that is due to the age of the roads and lack of maintenance in the past. He explained that if there was additional maintenance done in the past, they could be doing move overlays but now the roads have deteriorated past that point and need to be reconstructed.

Chairperson Riley referenced Ute Street, south of Alpine, and asked why that would not qualify as an overlay.

City Engineer Westby replied it has a rating of three or four.

Public Works Superintendent Riemer commented on the number of potholes and wearing of the road.

City Engineer Westby replied that staff can move forward with the plan for 2023 as discussed, or staff could bring additional information back for the July meeting if desired.

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to recommend City Council approval to temporarily increase Pavement Management Program using the available ARPA funds, directing staff to move forward with the planned 2023 CIP road projects and use the additional funds to provide the most benefit to roads possible.

Further discussion:

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

Chairperson Riley commented that in terms of planning for the years after, it would make sense to hear more information about bonding and the use of outside engineering consultants.

Councilmember Woestehoff stated that it would also be helpful to have information on future impacts to taxpayers as well.

Finance Director Lund noted that she would need to know the amount that would be bonded for in order to provide that information.

Councilmember Woestehoff stated that he is comfortable with the plan for 2023 but would want more information following that because there are other costs, such as the Water Treatment Plant, that will have impacts.

City Engineer Westby stated that if the decision is to add projects, that work needs to be done in the fall, so the discussion cannot be pushed too far down the road as there is not a funding source identified.

Community Development Director/Deputy City Admin Hagen stated that this will need to be part of the budgeting discussions because funding may need to start increasing in 2023 in order to have the needed funding for the roads going forward and spread that cost out.

Finance Director Lund commented that because she does not know what the levy will be this year and with fluctuating costs, it is hard to project. She noted that the CIP costs are based on estimates prior to this market and those may increase as well. She stated that there has to be something locked in for the levy increase and did not believe five percent is accurate for a growing city.

Chairperson Riley recognized that is more of a budget discussion that could be discussed by the full Council. He stated that if staff has a recommendation that may help the Council make that decision, that would be helpful.

Finance Director Lund stated that for the July budget meeting she will be using the current proposal as the starting point.

Chairperson Riley referenced patching methods and costs and stated that he asked for more information on that and asked what else could be done.

Public Works Superintendent Riemer provided details on the different methods of patching and associated costs.

Chairperson Riley recognized that residents continue to demand repairs, and this helps to show the work that is being done. He asked if funds are available or whether funds need to be directed in order to allocate more funds towards patching.

Public Works Superintendent Riemer believed there would be funds in the budget that could absorb the additional cost.

Chairperson Riley commented that it seems to make sense to follow the more efficient path.

Councilmember Musgrove agreed that this would be more efficient and less impact to the public works staff people.

PW Street Supervisor Shane Turner provided additional details on the more efficient patching method. He confirmed that the machinery is trailered, and that the City has the trailers available.

Public Works Superintendent Riemer noted the only piece that would be new equipment.

PW Street Supervisor Shane Turner commented that there would be a secondary bucket that would go with the machine.

Councilmember Musgrove asked how soon the equipment could be obtained if approved.

PW Street Supervisor Shane Turner commented that there is one available right now at Lano Equipment, therefore it could be a quick turnaround.

Public Works Superintendent Riemer commented that even this method would not provide a solution for some roads that need to be reconstructed, but it would be more efficient for others.

Chairperson Riley asked if this information could be shared with residents to reassure them that their concerns are being addressed.

Finance Director Lund noted that the line item was budgeted for and therefore does not need additional approval.

6. COMMITTEE / STAFF INPUT

6.01: Staff Updates on Improvement Projects and Items of Interest

City Engineer Westby provided an update on current and proposed City, County, and MnDOT improvement projects and studies and on other items of interest to the Committee.

6.02: Review Future Topics Calendar

City Engineer Westby reviewed the future topics calendar.

Chairperson Riley recognized that this is the last Public Works Committee meeting for Public Works Superintendent Riemer. He thanked him for the contributions he has made to the City of Ramsey.

7. ADJOURNMENT

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to adjourn the Public Works Committee meeting.

Motion carried.

The regular meeting of the Public Works Committee adjourned at 8:11 p.m.

Respectfully submitted,

Grant Riemer
Public Works Superintendent

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

PUBLIC WORKS COMMITTEE
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Public Works Committee conducted a regular meeting on Tuesday, July 19, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Chairperson Chris Riley
Councilmember Debra Musgrove
Councilmember Matt Woestehoff

Also Present: City Engineer Bruce Westby
Public Works Streets Supervisor Shane Turner

1. CALL TO ORDER

Chairperson Riley called the regular meeting of the Public Works Committee to order at 5:30 p.m.

2. CITIZEN INPUT

Jim Myslicki, 16811 Zirconium St., expressed concern with the condition of 167th Avenue NW between TH 47 and CR 5. He commented that people are often driving on the shoulder of the road to avoid potholes. He stated that he has not seen any activity from the patching crew on that road, although he has seen patching on other roads in the area. He commented that there is a lot of traffic on this section of roadway and wanted to know if there would be patching. He recognized that there is a resurfacing of the roadway potentially scheduled for 2023. He commented that something needs to be done before that time. He commented that there is not even a center line painted on the roadway, which is a concern. He stated that he has been a resident of Ramsey for 36 years and his taxes continue to increase but the road conditions continue to deteriorate.

Chairperson Riley confirmed that the segment of road is scheduled for reconstruction in 2023.

City Engineer Westby confirmed that the road will be completely reconstructed in 2023 and staff is also reviewing the potential pedestrian elements.

Chairperson Riley commented that while there are several steps for approval, the road will be reconstructed in 2023.

City Engineer Westby commented that staff is attempting to address deep potholes, even on roads scheduled for reconstruction in future years. He recognized that staff is behind on that activity.

Public Works Streets Supervisor Turner commented that he will review the condition and if he needs to get someone out there sooner than scheduled, he will do so. He confirmed that the road is in poor condition, and he does have a work order for patching.

Mr. Myslicki asked if the patch crew goes out every day or whether they operate on a complaint basis.

Public Works Streets Supervisor Turner explained that his patch crew is the same crew that handles other duties such as street sweeping, tree trimming, stormwater duties, and signs. He commented that the crew only has four employees, and they are spread thin between all the necessary duties.

Chairperson Riley asked how the work orders are prioritized.

Public Works Streets Supervisor Turner confirmed that the volume of complaints and traffic level of the road are taken into consideration.

City Engineer Westby stated that staff is currently conducting interviews to add two additional public works employees that would work on the streets. He commented that there is not a City policy on the center line and the City also does not have a paint sprayer.

Mr. Myslicki commented that there are yellow tabs used for temporary purposes and perhaps those could be used but noted that his priority would be for the patching to occur.

Dan Ridgeway, 15410 Argon Street NW, commented that he has been in contact with the Mayor since February or March of this year. He stated that they would like something done as his home has been flooded out twice. He noted that when they purchased their home they were not aware there were issues with flooding and provided details on the first flooding experience. He stated that he reached out early this year in attempt to remedy this before winter comes around again. He stated that he is unaware what the yard looked like before he moved to the property and prior to the septic system being replaced. He stated that his property is graded in a manner that causes water to flood in through the sliding door when the snow is melting.

Mrs. Ridgeway commented that there is a river that goes through their yard.

Mr. Ridgeway provided details on the path the drainage takes to reach the holding area/pond on a neighboring property. He commented that the neighbor behind their property has a holding tank that fills up and eventually drains on the other side through the culvert.

Chairperson Riley commented that the Ridgeway property is a low point in the area.

Mrs. Ridgeway commented that the sandbags the City provided is the only thing that has saved their house.

Mr. Ridgeway provided photographs of the flooding. He also provided photos of the culvert and expressed concern with the safety of children.

Mrs. Ridgeway stated that they also experience problems when there are heavy rain events.

Chairperson Riley asked what would happen if the culvert were removed.

City Engineer Westby replied that the culverts are needed to direct stormwater runoff under streets and driveways to the proper areas for drainage and storage, and to prevent flooding of properties.

Mr. Ridgeway commented that the culvert needs to be replaced. He stated that the water on his property needs to be channeled away from his home.

Councilmember Woestehoff asked if the Ridgeways replaced the septic system.

Mr. Ridgeway replied that the septic system was replaced prior to their purchase of the home.

Councilmember Woestehoff commented that typically a drain field cannot be in the same location as the last and therefore that would lead him to believe the septic was previously located in a different location.

Mr. Ridgeway noted that the previous owners apparently experienced flooding, but they had not been told that or they would not have purchased the home.

Chairperson Riley noted that would be a separate real estate issue. He commented that he can see that the property as a whole is at a lower elevation. He noted that staff will provide an update on this item later on the agenda.

City Engineer Westby stated that although staff often reviews the conditions of culverts under driveways, it would be the responsibility of the property owner to replace the culvert under a driveway if needed. He confirmed that he did speak with Mr. Ridgeway to provide an update on the discussion that occurred from the previous meeting.

Chairperson Riley asked what the Ridgeways would want.

Mr. Ridgeway stated that he would like fencing installed at the end of the culvert to ensure a child could not get sucked into that.

Councilmember Woestehoff stated that the harder question would be what else Mr. Ridgeway would want. He asked how that would be most effectively done.

Mr. Ridgeway stated that the idea of an easement was previously discussed, and they would agree with that option. He stated that they just do not want to be flooded again and would like something to happen before winter.

Councilmember Woestehoff stated that other than calling the police, he would wonder if there was a reason the residents reached out to the City.

Mrs. Ridgeway replied that they called 911 because they had been bailing water for more than an hour. She noted that they were unsure of what to do.

Councilmember Woestehoff commented that he does not disagree with anything that has been said but asked if there is an expectation that the City should assist with funding this, noting that this is a problem that is occurring on private property.

Mr. Ridgeway commented that he believes the City is responsible as a permit was provided for the new septic system that changed the contour of the yard. He stated that there would also be an inspection after the job was completed.

Councilmember Woestehoff asked if the Ridgeways would find liability with the previous property owners, as it was mentioned that they experienced flooding as well.

Mrs. Ridgeway stated that they have no idea why the new septic system was installed, and they never met the previous owners.

Chairperson Riley stated that perhaps older system was failing and noted that a home cannot be sold with a failing septic system.

Mr. Ridgeway commented that they are at the lowest elevation which causes their property to receive the most water. He stated that the water needs to be channeled in the yard, so it stays away from their home.

Chairperson Riley stated that the Committee could reconsider that on a future agenda.

City Engineer Westby stated that staff revisited the site after the June meeting. He noted that there are multiple issues that exist in that general area and staff does not want to grade a deeper swale with a larger culvert and push more water to create a problem for downstream property owners. He stated that they need to have a topographic survey of the properties along the drainage line in order to build a stormwater model to determine what would happen if a deeper swale were created. He noted that another property owner in the area has stated that water comes within six to eight feet of his home in the spring and therefore staff does not want to push this issue onto other properties and cause flooding of those homes in return. He noted that the survey work would have a cost of $2,000 to $3,500. He noted that staff would need that information in order to complete a good analysis.

Mr. Ridgeway commented that he had no idea the water reached that high on the other neighbor's property.

Chairperson Riley commented that perhaps a retaining wall would help to keep water from going into the sliding door. He noted that perhaps taking out the sliding door would also be an option.

Councilmember Musgrove stated that she appreciates looking at the big picture to ensure that solving this problem does not create additional problems. She asked if the survey would assist with any future road construction projects in that area as well.

City Engineer Westby confirmed that the City should find other value in the data as well.

Chairperson Riley asked if there is a policy related to culverts.

City Engineer Westby replied that the City mainly operates on a complaint basis. He asked if flared ends have been installed on other culverts.

Public Works Street Supervisor Turner replied that they have not.

Chairperson Riley commented that the culvert has been in place since the 1970s.

City Engineer Westby commented that there is some brick debris at the downstream end of the culvert, which sprays water around as it exits the culvert.

Chairperson Riley stated that perhaps staff can go visit the site to review the culvert. He thanked the residents for their input.

City Engineer Westby stated that if the Committee would like to provide direction, he has received a verbal quote that the survey work could be done in the next two to three weeks with a cost of $2,000 to $3,500.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to authorize staff to move forward with a topographical study as discussed.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff. Voting No: None.

3. APPROVE AGENDA

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to approve the agenda, as presented.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff. Voting No: None.

4. APPROVE MINUTES

4.01: Approve June 21, 2022, Meeting Minutes

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to approve the following minutes:

Regular Meeting Minutes dated June 21, 2022

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff. Voting No: None.

5. COMMITTEE BUSINESS

5.01: Review Updated Costs to Construct Sedimentation Basin Improvements at Sunfish Lake

City Engineer Westby reviewed the staff report and recommendation from staff to leave the existing swale as is and not construct a sedimentation basin. Everything is working well as is and the private property owner has not contacted staff since the last Committee meeting when this was discussed. If the private property owner requested this work to be completed, staff would recommend that the property owner be required to pay for the requested work since it solely benefits the use of their property. However, the City could consider contributing an amount commensurate with the estimated long-term savings associated with maintaining a settling basin next to a public street versus maintaining a linear drainage swale along the rear of a private property with access only via drainage easements. Based on a 50-year maintenance schedule, this cost is estimated at $2,000 as the City would dredge and restore the turf in the swale every 25 years on average.

Chairperson Riley commented that this is not along the back property line, but through the backyard as the homeowner has property beyond the swale.

City Engineer Westby replied that there is a berm behind the swale that the property owners wanted access to.

Chairperson Riley commented that in dry years the property owner was able to mow the swale area and have use of it, but in wet years the back of the property was not accessible. He commented that this flows across their property. He asked for details on the wetland credits.

City Engineer Westby identified the area that is wetland, which comes up to the edge of the property. He commented that according to the aerial image, the property line is at the back of the swale and therefore if the property owner were using the upland area, that is not their private property.

Chairperson Riley commented that would change his opinion and explained that is not how the discussion was framed when this was previously discussed in the past.

Councilmember Woestehoff asked if the swale is fully inside of the easement.

City Engineer Westby confirmed that the swale is within the 20-foot easement.

Chairperson Riley commented that if anything of this nature were going to be approved, he would think the City would be allowing the activity and the grading and filling of the swale would be at the expense of the property owner. He commented that his previous understanding was not the same as what the map is showing. He believed that the property owner had additional land beyond the swale, which is why he felt that this needed to be discussed but if the map is correct, he does not feel the same.

Councilmember Woestehoff stated that he does not have an appetite for this type of improvement project.

Chairperson Riley commented that in dry years the swale can be mowed and used as yard, but in wet years, it would not be the same.

Councilmember Musgrove stated that sometimes when residents have concerns with property lines, a survey is required to show the exact lines. He asked if the City has the ability to obtain the survey from the County to know where the property line is.

City Engineer Westby replied that City staff would not have that information, a surveyor would need to perform that duty. He noted that typically there are pins at the corners of the property, but staff does not go out to perform that duty. He stated that it is pretty clear that the swale is at the property line.

Chairperson Riley asked if the property owner would agree that is where the property line is, as he did not recall that from the past discussions.

City Engineer Westby replied that he also recalls that the homeowner had stated that they used the upland area in the past but was unsure if the homeowner believed it to be their property. He stated that he could reach out to the property owner if desired.

Councilmember Musgrove stated that knowing where the property line is would help to guide her decision.

Chairperson Riley agreed that he would find that information helpful.

City Engineer Westby replied that he could reach out to the property owner to determine if they would be comfortable with staff going on the property in attempt to locate those property line pins.

Councilmember Musgrove asked if there would be potential grants the homeowner could attempt to obtain for the project if it were to move forward.

City Engineer Westby replied that the project would replace one sediment removal process with another and therefore was unsure that would improve water quality. He noted that he could reach out to the Anoka Conservation District (ACD) to ask if there would be any grant opportunities.

Councilmember Woestehoff stated that this seems like an instance where the homeowner is not aware of where the property line is. He noted that the homeowner could have assumed the upland past the swale was theirs when it does not appear to be their property and therefore may change their perspective.

City Engineer Westby commented that staff will follow up with the property owner to verify the location of the property line and then have a discussion with the property owner about whether they still want to pursue the sedimentation pond project.

5.02: Consider Recommendation to City Council to Temporarily Increase Funding for Pavement Management Program and Street Maintenance Budget

City Engineer Westby reviewed the staff report and recommendation of staff to temporarily increase annual PMP funding to mitigate unmet street reconstruction bubble needs, to minimize annual maintenance costs, and to minimize the term of the increased funding as much as practical to reduce impacts to the street maintenance budget including equipment and material costs, professional services, and staffing. However, as annual PMP funding amounts increase, so will impacts to engineering costs including engineering staff and professional services. Staff recommends increasing the street maintenance budget by $750,000 to allow an estimated 19 miles of streets to be spray patched while PMP projects in the 2022-2031 CIP are completed, and as streets constructed between 1975 and 1985 having PASER ratings of 4 or less that are not included in the 2022-2031 CIP can be reconstructed.

Chairperson Riley commented that the roads are in the worst shape they have been and in discussions with staff it seems that spray patching helps to delay the deterioration of the roads. He stated that all this work needs to be done as soon as possible and acknowledged that the budget is one issue as is staffing and equipment. He asked if there were a budget for it, could the spray patching be done in two years through contracted services. He also asked if it would be more economical to purchase the equipment necessary to do spray patching.

Public Works Streets Supervisor Turner replied that he could reach out to the contractor to determine if that would be feasible.

Councilmember Woestehoff asked the realistic extension of life that spray patching provides.

Public Works Streets Supervisor Turner replied that realistically the spray patching provides another five years, which is a band-aid to help the City through this bubble it is in.

Councilmember Woestehoff noted the mention of completing this in two years but stated that perhaps it is done over five years and then perhaps that helps to stagger the needed overlay improvements.

City Engineer Westby stated even if a street is spray patched, areas of the street that were not patched will continue to decay and require patching over time.

Councilmember Woestehoff asked the right amount of spray patching per year and whether a set amount should be budgeted each year for spray patching until it is no longer needed.

City Engineer Westby stated that staff could reach out to contractors to develop some options and recommendations that could come back next month. He noted that those discussions could also occur during the budget work sessions.

Chairperson Riley asked the type of work being done on Xkimo near Alpine.

Public Works Streets Supervisor Turner stated that staff is attempting to use some different applications on that segment and provided additional details. He stated that they are using the new asphalt float, beginning last week, and it helps to shorten the days and the physical burden on staff.

City Engineer Westby reviewed a recent complaint received and provided photos of the surface stripping that is occurring.

Public Works Supervisory Turner provided details on how the asphalt float works. He commented that there are so many calls from residents that it feels like they are not making progress.

Councilmember Musgrove asked if the recommended $750,000 over ten years would be on top of the annual street maintenance budget.

City Engineer Westby confirmed that would be in addition to those funds used for cracksealing and pavement rejuvenation improvements. He agreed that staff would also recommend increasing the annual budget for cracksealing and pavement rejuvenations.

Councilmember Musgrove asked and received confirmation that the $750,000 could be spread over five or ten years.

Chairperson Riley commented that there is a need right now and would encourage that occurring much faster. He asked and received confirmation from staff that after that initial need is addressed, the annual budget for cracksealing and spray patching should be one line item with a budget of $500,000.

Councilmember Musgrove agreed that she supports that concept and would also like to see the 19 miles, with the estimated cost of $750,000, addressed as soon as possible.

City Engineer Westby stated that staff can reach out to contractors to determine how much could feasibly be done in the next one to three years.

Chairperson Riley asked if something could be done this year.

City Engineer Westby stated that staff would ask that question.

Councilmember Woestehoff stated that if staff reaches out to three contractors that all state they could do a certain number of miles, perhaps all three contractors could be used.

Chairperson Riley commented that it seems everyone is in agreement that the streets are a priority and need a solution.

Public Works Streets Supervisor Turner provided a comparison of the street work that was done eight years ago when he started at Ramsey versus today. He stated they used to spend two weeks each spring patching streets, several weeks each summer as needed, then two weeks each fall patching before winter. Now they receive multiple complaints every day and could patch potholes all day, every day of the year, but can't due to other duties so roads are getting worse each year.

Councilmember Musgrove stated that perhaps the pavement management and street maintenance funds could stay in their accounts if not spent at the end of the year.

Chairperson Riley commented that he was fairly confident that the funds were being spent, and if they were not in any given year, they were spent the next year.

Councilmember Woestehoff agreed that it would be nice to have dedicated funds used for pavement management and street maintenance.

Chairperson Riley moved the discussion towards street reconstruction needs and funding.

City Engineer Westby stated that during the budget discussion, staff would need to hear that the available ARPA funds, above what is needed for police, would be used for the streets in order to move forward on development of plans for PMP projects not already programmed for 2022.

Chairperson Riley commented that it would seem the only question for police funding is related to the vehicle cameras and that decision should be made at the next budget worksession in order for staff to move forward on the road plans. He commented that the City clearly does not have enough money budgeted for what needs to be done. He asked the feasibility that staff would be able to complete more road projects if the funding were increased in future years.

City Engineer Westby commented on the additional work that would place on Engineering staff and the number of projects they could develop plans for and manage construction on in one year. He stated that potentially they might be able to complete all plan preparation in-house but could use consultants, if needed, depending on funds available.

Streets Supervisor Turner provided details on potential impacts to street maintenance work.

Chairperson Riley commented that he could see the benefit in bonding once in order to get ahead but would not want to consistently bond as it would seem better to just place it on the tax roll at that time.

Councilmember Woestehoff stated that he likes the idea of saying there is $5,000,000 to get done as many miles as they can, noting that he would not be opposed to using outside consultants if they could move forward and if the cost would not be that much higher. He stated that while he does not like bonding, it would be a tool to help them get outside of the bubble.

City Engineer Westby stated that in his opinion, if they are funding $4,000,000 or less per year, staff could most likely do that in house if those staff members can focus on just those tasks. He stated that anything above that would potentially require outside assistance.

Public Works Street Supervisor Turner stated that eight years ago he was using two employees per day and now he is using all available staff to address patching. He stated that he would ideally like to get back to using one or two staff for patching, which would mean accomplishing the reconstructs as quickly as possible.

Councilmember Woestehoff stated that there would be benefit in bringing in the Finance Director for guidance, noting that perhaps it would make sense to bond for $20,000,000 and do half the city in three years.

Chairperson Riley confirmed the consensus of the Committee to consult the Finance Director to gain input on whether bonding to frontload these improvements would be a possibility, recognizing that outside consultants would need to be utilized.

Councilmember Woestehoff stated that he would like to see franchise fees put on the ballot this year for residents to provide input. He recognized that may be the unpopular opinion but noted that there would be benefit in doing a short-term franchise fee to get through the bubble and recognize the growth of residential homes that are paying minimal property taxes.

Councilmember Musgrove commented that the need is a huge amount and therefore would prefer to use bonding.

City Engineer Westby confirmed that the Committee is suggesting an amount over and above what is currently allocated on an annual basis.

Chairperson Riley commented that people are right to complain about the condition of the roads.

City Engineer Westby stated that the intent is to follow up with discussions during the budget worksessions, rather than waiting another month to talk about this again.

Chairperson Riley referenced the reclaim light option and noted that if staff believes that is a suitable option for some roads, he would support that, but he would not want to choose that option if it is not the right fit for the road.

6. COMMITTEE / STAFF INPUT

6.01: Receive Update on Available Funding Assistance for Basement Waterproofing

City Engineer Westby provided an update to the Committee on available funding sources to assist property owners with wet basements to fund waterproofing projects. Staff is seeking direction on whether a webpage should be added to the City's website to make this and other associated information available to the public.

Councilmember Musgrove stated that if the information is placed on the website perhaps that would be helpful rather than having residents call into City staff.

Councilmember Woestehoff stated that his only concern would be an implied responsibility of the City. He stated that in most cases, a wet basement is not the responsibility of the City and therefore may prefer the route where staff provides the information if someone calls in.

Councilmember Musgrove stated that she has concern with providing the information in a list.

Councilmember Woestehoff stated that this would be a good task for a new communications staff member in order to craft the message in a manner that does not imply City responsibility.

Chairperson Riley commented that it is a great resource, and the information could be made available if residents call.

6.02: Receive Updates on Improvement Projects, Studies and Items of Interest

City Engineer Westby provided updates on improvement projects, studies and items of interest and the Committee provided input.

Councilmember Woestehoff stated that it seems there is no good solution for the Argon Street problem with water. He asked if there is enough space to place a retention pond in the yard.

Chairperson Riley encouraged staff to be creative. He stated that yard is a bowl, so that land would drain into the lower level of that home regardless. He stated that if the sandbags are helping, it would seem that a retaining wall could help, or perhaps that sliding door could be taken out.

Councilmember Woestehoff asked if an easement would require some type of purchase of property.

City Engineer Westby replied that whenever runoff from City streets is directed through yards the City generally wants an easement. He commented that there are many situations where water was directed through yards prior to incorporation of the City in 1974. He stated that staff will try to be creative in looking at options. He agreed that if the sandbags are working, perhaps they could mound up the ground in that area. He stated the City did not create the issue, it inherited it.

Chairperson Riley stated that if the septic system is the issue perhaps moving that would be the solution.

City Engineer Westby stated that staff will bring back a list of options.

Chairperson Riley asked if there are any culvert improvements the City needs to consider.

Public Works Streets Supervisor Turner replied that there are hundreds of other culverts of that nature in the community. It was noted that there would be more liability to the City in placing a barrier on one culvert and not the other 299. He commented that he has zero trash guards in stock that could be placed. He noted that there are safety issues with guards as well. He did not recommend installing guards, noting that if there is that much water moving through a guard it could pin the child and they could drown.

Councilmember Musgrove asked for an update on the TH 47 sound wall.

City Engineer Westby provided an update.

6.03: Review Future Topics Calendar

Councilmember Musgrove relayed a complaint she received from a resident regarding vehicle speeds on 151st Lane.

Public Works Streets Supervisor Turner replied that he would place the speed trailer on 151st.

Chairperson Riley noted a sign on the median at the tracks on Alpine that needs to be repaired.

7. ADJOURNMENT

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to adjourn the Public Works Committee meeting.

Motion carried.

The regular meeting of the Public Works Committee adjourned at 7:58 p.m.

Respectfully submitted,

_____

Bruce Westby
City Engineer / Interim Public Works Director

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

PUBLIC WORKS COMMITTEE
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Public Works Committee conducted a regular meeting on Monday, August 22, 2022, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Chairperson Chris Riley
Councilmember Debra Musgrove
Councilmember Matt Woestehoff

Also Present: City Engineer / Interim Public Works Director Bruce Westby
Assistant City Engineer Joe Feriancek

1. CALL TO ORDER

Chairperson Riley called the regular meeting of the Public Works Committee to order at 5:30 p.m.

2. CITIZEN INPUT

There was none.

3. APPROVE AGENDA

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the agenda, as presented.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

4. APPROVE MINUTES

4.01: Approve July 19, 2022, Meeting Minutes

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the following minutes:

Regular Meeting Minutes dated July 19, 2022

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Woestehoff and Musgrove. Voting No: None.

5. COMMITTEE BUSINESS

6. COMMITTEE / STAFF INPUT

6.01: Receive Update on Argon Street Drainage Improvements

City Engineer / Interim Public Works Director Westby provided an update on the status of staff's efforts to identify potential drainage improvements to prevent stormwater runoff from entering the home at 15410 Argon Street during spring thaws and heavy rain events.

Councilmember Woestehoff asked for details on the proposed grading.

City Engineer / Interim Public Works Director Westby replied that they would grade a shallow swale across the middle of Mr. Ridgeway's property but would not plan on grading within the drip line for the tree and would instead use a small concrete structure to divert the water coming out of the culvert.

Chairperson Riley invited input from the resident.

Dan Ridgeway replied that they would like to have the work done before winter. He stated that he received an email from staff with these plans. He noted that his neighbor is an engineer and wants to review the plans, but he stated that this plan appears to work.

City Engineer / Interim Public Works Director Westby replied that this is a fairly preliminary drawing that appears to work. He noted that additional work would need to be done to finalize the plan. He stated that typically an easement would be obtained but, in this case, it would be difficult to obtain easements on impacted properties.

Mr. Ridgeway replied that this has been a nightmare. He stated that the last alternative would be to condemn the property because even if he sold the home, the problem would continue.

Councilmember Musgrove asked if the City could get more definition on the scenario that water is diverted from 15410 and whether that would impact 15411.

Chairperson Riley commented that is the same path where water is already flowing.

Mr. Ridgeway replied that neighbor does not have any issues with the water drainage.

City Engineer / Interim Public Works Director Westby confirmed that the City has not received any complaints from that residents and noted that this would not increase the amount of runoff.

Councilmember Musgrove commented that she understands that the amount of water would not be changed but the direction it is flowing would be changed.

City Engineer / Interim Public Works Director Westby stated that this would better define the path of the water on this property, and it would not change anything on downstream properties.

Mr. Ridgeway commented that the water runs through the property to the west at a much lower elevation than the home and further distance from the home.

Councilmember Musgrove asked if the resident would be willing to participate in a cost-share if the cost were $10,000.

Mr. Ridgeway replied that he would not be willing to pay anything as it was the City that changed the contour of their yard.

Chairperson Riley asked if the resident is speaking about the replacement of the septic system.

Mr. Ridgeway confirmed that the new septic system was installed and noted that the City also recontoured the yard.

City Engineer / Interim Public Works Director Westby replied that public works did some regrading of the property in 2017. He commented that was done for the previous property owner as there was an issue created by the installation of the new septic system. He stated that the new septic was installed in 2012 and was inspected by the City. He stated that in 2017, the property owner called the City because of the problems they were having with water getting into the home so public works did some grading in attempt to keep water from the home.

Chairperson Riley asked if they should consider putting a berm where the sandbags are now in addition to the proposed plan as extra assurance.

City Engineer / Interim Public Works Director Westby asked if the property owner uses that entrance.

Mr. Ridgeway replied that his wife uses that lower level as her office and has the dogs with her which go in and out of that door. He asked how the snow in the winter would melt between the home and berm.

City Engineer / Interim Public Works Director Westby replied that they have not looked at a berm option and believe that this solution would work and allow the door to continue to be used.

Councilmember Woestehoff asked when the next planned improvement of Argon would be.

City Engineer / Interim Public Works Director Westby did not believe that is currently scheduled in the 10-year CIP.

Councilmember Woestehoff requested that the realignment of the culvert be included in that improvement.

Mr. Ridgeway noted that because there is not curb on the road, the water does not follow the contour of the street and instead empties into their yard.

Chairperson Riley asked if there is an easement on the other side of the property that could be swapped.

City Engineer / Interim Public Works Director Westby replied that there are only standard perimeter easements.

Mr. Ridgeway commented that in a recent heavy rain event, he walked to where the water goes into the culvert, and it continues to flow at a high speed which he believes is a safety concern for small children as they could get sucked in.

Chairperson Riley commented that the Committee did discuss that at the last meeting and there was concern that putting a grate would trap someone under the water.

Councilmember Woestehoff commented that the concern was with someone being pushed against the culvert.

Chairperson Riley confirmed that Mr. Ridgeway is satisfied with this plan and would like it to move forward.

City Engineer / Interim Public Works Director Westby commented that this should be a quick process. He stated that they will look further at the diversion structure for the end of the culvert, but the grading and turf will only be a few days of work. He commented that the work could easily be done in October. He asked if the Committee would like to see more of the finished plans in September. He stated that if the cost is around $10,000, staff could solicit bids from a few contractors to bring back.

Chairperson Riley commented that he did not believe this needs to come back to the Committee and could proceed to the City Council.

City Engineer / Interim Public Works Director Westby commented that because of the cost and the fact that this was not on the CIP, this would be placed on the Consent Agenda and confirmed consensus of the Committee.

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to direct staff to finalize the plans for the drainage improvement plans for the property at 15410 Argon Street not to exceed $10,000.

Motion carried. Voting Yes: Chairperson Riley, Councilmembers Musgrove and Woestehoff. Voting No: None.

Chairperson Riley thanked staff for finding a more cost-effective solution.

6.02: Receive Updates on Improvement Projects, Studies, and Items of Interest

City Engineer / Interim Public Works Director Westby provided an update on the 161st Avenue reconstruct project, noting that the case will be presented to the full Council the following night.

Councilmember Woestehoff asked and received confirmation that the trail will be located on the north side of 161st Avenue with minimal impact to trees.

City Engineer / Interim Public Works Director Westby provided an update on 167th Avenue reconstruction plans.

Councilmember Woestehoff asked for more details on the off-road trail mentioned.

City Engineer / Interim Public Works Director Westby provided additional clarification.

Councilmember Musgrove asked if the road should be posted at a slower speed near the businesses on the east end of the road.

City Engineer / Interim Public Works Director Westby confirmed that staff could look at traffic calming options.

Chairperson Riley commented that some sort of pedestrian facility would be necessary for this road and confirmed consensus that should be included in the design.

City Engineer / Interim Public Works Director Westby confirmed that they would review options for pedestrian facilities.

City Engineer / Interim Public Works Director Westby provided an update on other current and proposed City, County and MnDOT improvement projects and studies and on other items of interest to the Committee.

Chairperson Riley stated that at Business Appreciation Day he heard many positive comments about the Highway 10 construction project in Anoka.

Councilmember Musgrove commented that she has heard a comment from a business owner that their business has slowed during construction.

City Engineer / Interim Public Works Director Westby commented that staff is learning from the Anoka project and can hopefully address some of those things in the Ramsey project.

Councilmember Musgrove referenced the Elk River corridor study, recognizing there has been progress made but asked if the final report would come to the Public Works Committee or the full Council.

City Engineer / Interim Public Works Director Westby stated that once the final draft of the study is received, he plans to bring that to the Committee for review.

Chairperson Riley stated that the trees within the Lennar project have died and asked if staff could follow up. He referenced a trail segment along Puma for the length of the developer's property but stated that the trail segment goes nowhere.

City Engineer / Interim Public Works Director Westby commented that the reconstruction of Alpine Drive is included in the CIP and will explore a connection to that trail. He confirmed that there is a two-year warranty on trees planted in Lennar's Northfork Meadows development and noted that staff does follow up on those issues and that the trees will be replaced.

6.03: Review Future Topics Calendar

Councilmember Woestehoff stated that perhaps a future presentation could be made on trail gaps and median maintenance noting that those items have been on the list for a long time.

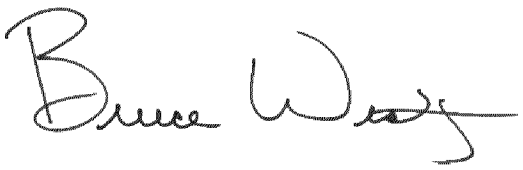
7. ADJOURNMENT

Motion by Councilmember Musgrove, seconded by Councilmember Woestehoff, to adjourn the Public Works Committee meeting.

Motion carried.

The regular meeting of the Public Works Committee adjourned at 6:40 p.m.

Respectfully submitted,

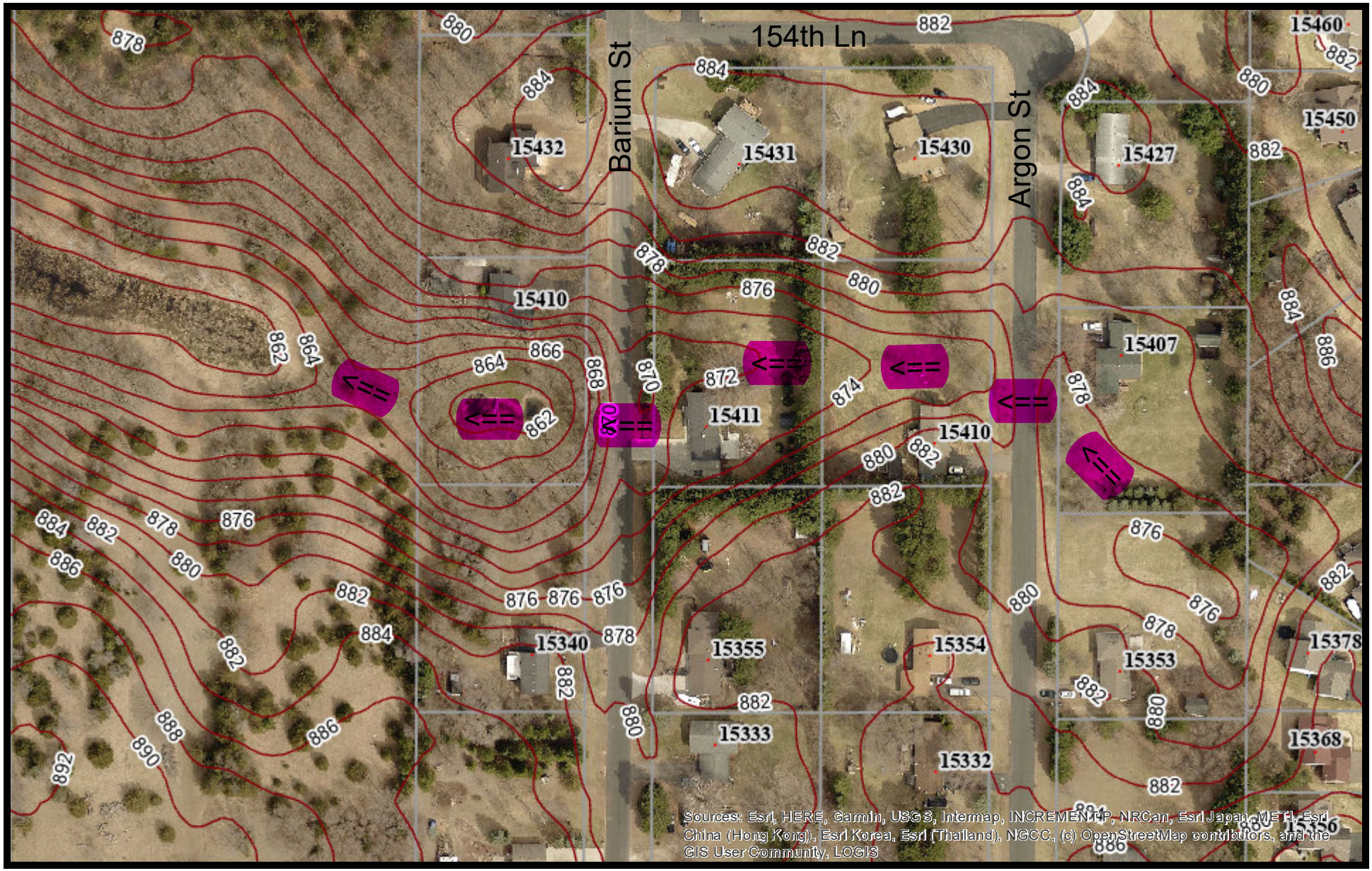


Bruce Westby
City Engineer / Interim Public Works Director

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

Two-Foot Contours and 2020 Aerial Image

<== Drainage Path (Approx.)



Print Date: August 9, 2022

0 0.0075 0.015 0.03 0.045 0.06 mi

CC Regular Session **5. 14.**

Meeting Date: 10/25/2022

By: Bruce Westby, Engineering/Public Works

Information

Title

Adopt Resolution #22-246 Approving Change Order #1 for Improvement Project #22-10, Public Works Salt Shed

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #22-246 approving Change Order #1 for Improvement Project #22-10, Public Works Salt Shed.

Background:

While constructing the new salt shed at Public Works it was discovered that the underlying soils needed soil corrections, which were not identified within the plans and specifications. The underlying soils were found to have numerous decaying tree stumps embedded within the soils, as well as significant pockets of organic soils, which would not adequately support the salt shed structure.

Soils borings were not completed within the footprint of the salt shed prior to design and preparation of plans and specifications because the soil borings completed with the Public Works Facility project did not indicate that any soils on site would require soils corrections. Therefore, the plans and specifications did not account for any soil corrections.

Attached is a copy of Change Order #1, which identifies all of the soil correction quantities and costs, which total $27,420.

City Council approval of this change order is being requested after-the-fact as the soils corrections work was completed in advance of receiving City Council approval of Change Order #1 to allow construction of the salt shed to continue unimpeded so the salt shed will be operational in time for its intended use this winter.

The City Engineer will sign the Change Order following City Council approval.

Notification:

Notifications are not required for this case.

Observations/Alternatives:

Alternative #1 - Adopt Resolution #22-246 approving Change Order #1 for Improvement Project #22-10, Public Works Salt Shed.

Recommendation:

Staff recommends adopting Resolution #22-246 approving Change Order #1 for Improvement Project #22-10, Public Works Salt Shed.

Action:

Adopt Resolution #22-246 approving Change Order #1 for Improvement Project #22-10, Public Works Salt Shed.

Attachments

Resolution 22-246
Change Order 1 IP 22-10

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 02:56 PM
Form Started By: Bruce Westby		Started On: 10/20/2022 10:17 AM
Final Approval Date: 10/20/2022		

Councilmember _____ introduced the following resolution and moved for its adoption:

RESOLUTION #22-246

RESOLUTION APPROVING CHANGE ORDER NO. 1 FOR IMPROVEMENT PROJECT #22-10, PUBLIC WORKS SALT SHED

WHEREAS, while constructing the new salt shed at Public Works it was discovered that the underlying soils needed significant soil corrections to remove decaying tree stumps and organic soils that would not adequately support the salt shed structure being constructed under Improvement Project #22-10; and

WHEREAS, soils corrections were not identified within the plans and specifications; and

WHEREAS, the soils corrections work was completed in advance of receiving City Council approval of Change Order #1 to allow construction of the salt shed to continue unimpeded so the salt shed will be operational in time for its intended use this winter.

NOW THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, as follows:

1) The Ramsey City Council hereby authorizes the City Engineer to execute Change Order No. 1 for Improvement Project #22-10, Public Works Salt Shed, in the amount of $27,420.00, for and on behalf of the City of Ramsey.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember _____, and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October, 2022.

Mayor

ATTEST:

City Clerk

AIA® Document G701™ – 2017

Change Order

PROJECT: *(name and address)*
Ramsey Salt Storage Building
14199 Jaspar Street NW

OWNER: *(name and address)*
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

CONTRACT INFORMATION:
Contract For: General Construction
Date: April 12, 2022

ARCHITECT: *(name and address)*
Oertel Architects, Ltd.
1795 Saint Clair Avenue
Saint Paul, MN 55105

CHANGE ORDER INFORMATION:
Change Order Number: 001
Date: October 11, 2022

CONTRACTOR: *(name and address)*
A & B Construction, Ltd.
30810 200th Street
Harper, IA 52231

THE CONTRACT IS CHANGED AS FOLLOWS:
(Insert a detailed description of the change and, if applicable, attach or reference specific exhibits. Also include agreed upon adjustments attributable to executed Construction Change Directives.)

Soil corrections as required and directed by the on-site soil engineer and observed by the City of Ramsey on-site observer.

Attached to this change order is a breakdown provided by A&B Construction, as approved by the city's on-site observer.

The original	(Contract Sum)	was	$	469,110.00
The net change by previously authorized Change Orders			$	0.00
The	(Contract Sum)	prior to this Change Order was	$	469,110.00
The	(Contract Sum)	will be (increased) by this Change Order in the amount of	$	27,420.00
The new	(Contract Sum)	, including this Change Order, will be	$	469,530.00

The Contract Time will be (increased) by seven (7) days. Corrected Total: 496,530.00

The new date of Substantial Completion will be Friday, November 4, 2022

NOTE: This Change Order does not include adjustments to the Contract Sum or Guaranteed Maximum Price, or the Contract Time, that have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

ARCHITECT *(Firm name)*	CONTRACTOR *(Firm name)*	OWNER *(Firm name)*
Oertel Architects	A&B Construction	CIty of Ramsey
SIGNATURE	Ben Striegel SIGNATURE	SIGNATURE
Andrew Cooper - Principal PRINTED NAME AND TITLE	Ben Striegel PRINTED NAME AND TITLE	PRINTED NAME AND TITLE
October 11, 2022 DATE	10/13/22 DATE	DATE

A & B CONSTRUCTION LTD
Span Tech Fabric Building Systems

30810 200TH ST
HARPER IA 52231
Phone: 1 319 330 0566
Fax: 1 641 636 2465

Change order Request for Ramsey Salt building

Soil's inspector required us to remove & replace considerable amount of additional material from building site.

2100 cubic yds estimated by city x 1.35 = 2,835.00 tons
Amount on new fill already used = 350 tons

3,185.00 tons

Amount of fill A & B quoted in bid - 1,500.00 tons

Additional amount of fill 1,685.00 x 8.00 per ton =13,480.00

41 hours x 340.00/HR = $13,940.00
Additional labor / equipment to remove material

Not requesting anything for the additional labor to place and compact new material

Labor for two guys 2 @ 85.00 = 170.00/HR per man
Track skid loader @ 100.00/HR
Truck & dump trailer @ 70.00/HR

Total Request for additional material & labor = $27,420.00

Time Request:
1 additional week (7 contract days)

CC Regular Session **5. 15.**

Meeting Date: 10/25/2022

By: Colleen Lasher, Administrative Services

Information

Title

Adopt Resolution #22-247 to Approve AFSCME and LELS Union City Health Insurance Contribution Adjustments

Purpose/Background:

The purpose of this case is to formalize a very minor adjustment to the City's previously approved health insurance contributions made on behalf of the City's union employees. The adjustment is needed due to the carrier rounding the new 2023 premiums to the nearest fifty cents (.50 cents).

The City's unions include AFSCME (American Federation of State, County, and Municipal Employees) and three LELS unions (Law Enforcement Labor Services / Patrol, Sergeants and Captains). All union contracts are settled under a 3-year contract for 2022-2024. The City's health insurance contributions for 2022, 2023 and 2024 are included in the contracts. The language in the approved contracts caps the City's contributions based on the rate caps to the specific costs, without rounding. Staff is asking for the City Council's approval to make minor adjustments to the 2023 City contributions. If adjustments are needed in 2024, staff will address the issue with the City Council in 2023 after the 2024 renewal is received.

Based on current enrollment, the anticipated additional costs in 2023 is a total of only $9.12.

The City's open enrollment is currently underway. This adjustment will allow the City's contributions to continue to be made based on our established protocol without causing confusion during open enrollment. If approved, the following 2023 language and values will be updated in the contracts:

Monthly City Contributions to Premiums

- Employee only (single) City contribution will be paid at the dollar value equal to the $2500 Deductible Perform Network plan full premium, but not to exceed ~~$960.86~~ **$961.00 in 2023;** and
- Employee and Children City contributions will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed ~~$1153.36~~ **$1153.50 in 2023;** and
- Employee and Spouse City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed ~~$1211.18~~ **$1211.40 in 2023;** and
- Family City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed ~~$1499.60~~ **$1499.40 in 2023**

Funding Source:

The required funding is approximately $9.12, and will be accounted for in the 2023 budget.

Recommendation:

To approve adjusting the 2023 union employee City health insurance contributions as follows:

1. Employee only (single) City contribution will be paid at the dollar value equal to the $2500 Deductible Perform Network plan full premium of $961.00 in 2023; and
2. Employee and Children City contributions will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1153.50 in 2023; and

3. Employee and Spouse City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1211.40 in 2023; and
4. Family City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1499.40 in 2023.

Action:

Motion to adopt resolution #22-247 to approve adjusting the 2023 union employee City health insurance contributions as follows:

1. Employee only (single) City contribution will be paid at the dollar value equal to the $2500 Deductible Perform Network plan full premium of $961.00 in 2023; and
2. Employee and Children City contributions will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1153.50 in 2023; and
3. Employee and Spouse City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1211.40 in 2023; and
4. Family City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1499.40 in 2023.

Attachments

Resolution 22-247

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 01:58 PM
Form Started By: Colleen Lasher		Started On: 10/17/2022 08:27 AM
Final Approval Date: 10/20/2022		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #22-247

RESOLUTION TO APPROVE AFSCME AND LELS UNION CITY HEALTH INSURANCE CONTRIBUTION ADJUSTMENTS

WHEREAS; the City's unions include AFSCME (American Federation of State, County, and Municipal Employees) and three LELS unions (Law Enforcement Labor Services / Patrol, Sergeants and Captains); and

WHEREAS the City's health insurance contributions for 2022, 2023 and 2024 are included in the contracts;

WHEREAS, the language in the contracts caps the City's contributions based on the rate caps to the specific costs, without rounding; and

WHEREAS, the health insurance vendor rounded the 2023 premiums to the nearest .50 cents; and

WHEREAS, staff is asking for the City Council's approval to make minor adjustments to the 2023 City contributions.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF RAMSEY, ANOKA COUNTY, STATE OF MINNESOTA, **as follows:**

Motion to adopt resolution #22-247 to approve adjusting the 2023 union employee City health insurance contributions as follows:

1) Employee only (single) City contribution will be paid at the dollar value equal to the $2500 Deductible Perform Network plan full premium of $961.00 in 2023; and
2) Employee and Children City contributions will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1153.50 in 2023; and
3) Employee and Spouse City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1211.40 in 2023; and
4) Family City contribution will be paid at the dollar value equal to 60% of the $2500 Deductible Perform Network plan full premium, but not to exceed $1499.40 in 2023.

The motion for the adoption of the foregoing resolution was duly seconded by Councilmember , and upon vote being taken thereon, the following voted in favor thereof:

and the following voted against the same:

and the following abstained:

and the following were absent:

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 25th day of October 2022.

_____
Mayor

ATTEST:

_____
City Clerk

Information

Title:
Review Proposed Water Treatment Plant Project Costs and Bid Schedule

Purpose/Background:

Purpose:
The purpose of this case is to;

1. Introduce Aaron Vollmer, new Water Treatment Plant project manager with Advanced Engineering and Environmental Services (AE2S).
2. Discuss estimated project costs and options to reduce project costs.
3. Discuss recommended bid schedules for the Water Treatment Plant and Trunk Watermain Improvements projects and what is driving the recommendations.
4. Receive Council feedback on project design, estimated costs, bid schedule, etc.

Background:
Feasibility Study
Attached is a copy of the Feasibility Study dated March 4, 2021 for the proposed municipal water treatment plant improvements prepared by SEH, Inc. This study documents the City's existing water supply source, quality and quantity, existing water supply system infrastructure and proposed trunk watermain improvements, proposed water treatment process options and recommendations, water treatment plant site evaluations and recommendations, estimated costs, alternative funding sources, impacts to water rates, and a proposed project schedule. This study identified estimated project costs for both the necessary trunk watermain improvements and a centralized gravity filter water treatment plant at $28.67M.

Water Treatment Plant Trunk Watermain Improvements
On March 9, 2021, the City Council awarded a contract to SEH Inc. to prepare plans and specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

On October 26, 2021, the City Council approved plans and authorized bids using both a base bid and an alternate bid. The base bid specified a combination of open trenching and directional drilling the watermain, whereas the alternate bid specified directional drilling watermain across as much of the project area as feasible, and open trenching the remainder. As the time, the bidding environment for utility pipes was extremely volatile due to an overall shortage of pipe and appurtenant materials for various material types caused by supply chain disruptions due to extreme weather events, a shortage of drivers, shipping lane blockages, etc. These issues resulted in increased pipe costs and long delivery times between the time materials were being ordered and the time they were being delivered. On average, pipes were being delivered to project sites generally 3 to 6 months or more from the time they were ordered. Staff therefore recommended bidding this project as soon as possible, allowing an extended bidding window of 2 months, and allowing bidders as much time as possible to substantially complete the work in hopes of receiving the best bid prices possible.

Construction costs for the trunk watermain improvements per SEH's Feasibility Study were estimated at $3,424,750. Construction cost estimates based on SEH's final plans and specifications were $4,875,068.50 for the base bid, and $4,916,194.50 for the alternate bid. The lowest base bid for construction costs was $6,737,287.45, and the lowest alternate bid received was $7,059,102.16. Due to the significant cost increase, the two bids received were rejected by the City Council on January 25, 2022, and Staff was directed to work with SEH to revise the approved plans to reduce costs and monitor the bidding environment to identify the most favorable time to re-bid the project.

SEH has been working to reduce project costs by exploring alternate construction materials and methods, reducing watermain depths, reducing the amount of directionally drilled watermain, and exploring the viability of the City pre-purchasing watermain materials to avoid paying sales tax. However, SEH has also been working to incorporate numerous proposed improvements required to switch chemical treatment processes from individual pump houses to the Water Treatment Plant before the plant is commissioned, which have increased estimated project costs significantly. Based on SEH's current revised plans, the engineer's project cost estimate is $8,950,000.

The anticipated construction schedule for this work is 3 to 4 months, depending on weather and material availability (material availability continues to be a concern due to the ongoing supply chain issues). Work on this project can therefore start well after the Water Treatment Plant improvements are under construction, but to keep bid prices as low as possible Staff proposes to re-bid this project later this Fall to allow bidders to order materials as many months in advance as possible prior to needing to start construction to meet project deadlines.

Water Treatment Plant

On May 20, 2021, the city issued a Request for Proposals (RFP) for Design/Bid/Build services for a centralized Water Treatment Plant. Five firms submitted proposals and the firm of AE2S was selected based on experience in designing water treatment facilities, proposed work plan, ability to meet construction time lines, and proposed fees for services.

AE2S recently completed final plans and specifications. The engineer's Opinion of Probable Total Project Costs for the Water Treatment Plant is $38,648,644.

Funding

Total estimated project costs for both the Water Treatment Plant and the Trunk Watermain Improvements total $47,598,644. It is worth noting that these costs include indirect costs for administrative, engineering, finance and legal fees therefore several hundred thousand dollars in engineering fees have previously been paid.

The 2022 - 2031 CIP identifies a total project cost of $32M based on SEH's Feasibility Study.

Project Schedule

This project is intended to reduce Manganese concentrations in our water supply system. In 2019, the Minnesota Department of Health (MDH) recommended that the City of Ramsey develop short and long-term plans to reduce manganese concentrations in our water supply system. In April of 2019, the City began supplying water to municipal water users using only the three wells with the lowest manganese concentrations to make sure manganese concentrations throughout the water supply system would not exceed the MDH Health Based Value (HBV) for manganese of 0.100 mg/L, which addressed the City's short-term plans. The City's long-term solution requires construction of a water treatment plant to remove manganese from the municipal water supply system.

Since the Spring of 2019, the City of Ramsey has been collecting water samples from random locations and has had the samples tested for Manganese. In general, these test results have indicated that utilizing municipal wells with the lowest historical Manganese concentrations has allowed Manganese concentrations in the City's water supply system to remain below 0.100 mg/L the vast majority of the time, and no tests to date have exceeded 0.300 mg/L, which MDH has identified as the highest concentration of Manganese fit for adult consumption. However, the City is planning to construct its next municipal water supply well (well #9) within the next few years and it is not known how much Manganese will be produced by the new well as Manganese concentrations vary with location.

Originally, the intent was to have the WTP operational before the high-water use season started in the Summer of 2024. However, due to current supply chain issues, Water Treatment Plants are now averaging approximately 2 years to construct. Therefore, bidding the WTP project in the Fall of 2022 would allow the plant to be commissioned, tested, and fully operational by the Summer of 2025.

Based on the most recent information available to Staff and the City's engineering consultants leading the Water

Treatment Plant and Trunk Watermain Improvements projects, the supply chain issues that have been causing delays in material deliveries are continuing and are not anticipated to be resolved within the next year or more. These supply chain issues are not only causing delays in delivery times for manufactured goods, they are also causing delays in delivery times for elements used to manufacture goods.

Timeframe:

Up to 30 minutes have been allocated for this case.

Funding Source:

Funding for these improvements is proposed to include a mix of internal utility enterprise funds and bonding.

Responsible Party(ies):

City Engineer/Interim Public Works Director Bruce Westby will introduce the case and will team with Utilities Supervisor John Nelson and AE2S Project Manager Aaron Vollmer to respond to questions regarding the City's existing water supply system, the proposed improvements, proposed construction schedules, what information is being considered to recommend bid schedules, estimated project costs, and options for reducing project costs.

City Administrator Brian Hagen and Finance Director Diana Lund will be available to respond to questions regarding project funding.

Outcome:

Receive City Council feedback on project design, estimated costs, bid schedule, etc.

Attachments

MDH Manganese Fact Sheet

Manganese Concentrations

WTP Feasibility Study

Form Review

Form Started By: Kathy Schmitz Started On: 10/25/2022 08:58 AM

Final Approval Date: 10/25/2022

Manganese in Drinking Water

Manganese occurs naturally in rocks and soil across Minnesota and is often found in Minnesota ground and surface water. Your body needs some manganese to stay healthy, but too much can be harmful.

Health Effects

Children and adults who drink water with high levels of manganese for a long time may have problems with memory, attention, and motor skills. Infants (babies under one year old) may develop learning and behavior problems if they drink water with too much manganese in it.

How to Protect Yourself & Your Family

The Minnesota Department of Health (MDH) developed guidance values to keep your household drinking water safe. Because these are guidance values, public water systems are not required to meet these values, and some do not.

- If you have an infant who drinks tap water or drinks formula made with tap water, a safe level of manganese in your water is 100 micrograms of manganese per liter of water (µg/L)* or less.
- If you have an infant who never drinks tap water or formula made with tap water, a safe level of manganese in your water is 300 µg/L or less.
- If everyone in your household is more than one year old, a safe level of manganese in your water is 300 µg/L or less.

Drinking water with a level of manganese above the MDH guidance level can be harmful for your health but taking a bath or a shower in it is not. Manganese in your water can stain your laundry, cause scaling on your plumbing, and make your water look, smell, or taste bad. Manganese can also create a brownish-black or black stain on your toilet, shower, bathtub, or sink.

The only way to know the level of manganese in your drinking water is to contact your public water system or have your tap water tested. All water testing should be done through an accredited laboratory. Contact an accredited laboratory to get sample containers and instructions or ask your county environmental or public health services if they provide water testing services (see *Search for Accredited Laboratories*).

If you have a household water treatment unit, the unit may reduce the level of manganese in your drinking water (see Home Water Treatment Units: Point-of-Use Devices for more information). MDH and Dakota County conducted at study in 2016 and found that water softeners can be an effective way to reduce the level of manganese in drinking water (see The Wells and Increased Infant Sensitivity and Exposure (WIISE) Study).

*One microgram per liter (µg/L) is the same as 1 part per billion.

If you have a private well

Some Minnesota groundwater naturally has levels of manganese higher than the MDH guidance values. You may want to test your drinking water for manganese, especially if infants drink your tap water. You are responsible for keeping your well water safe and testing it as needed.

If you are on a public water system

Public water systems may test their water for manganese, but they are not required to. You can contact your public water system to find out if they test the water for manganese. If your public water system does not test for manganese, you can arrange and pay for an accredited laboratory to test your water. Remember that certain types of home water treatment units may make the level of manganese lower in your tap water than what your water system detected.

Background Information

Manganese occurs naturally in rocks and soil and can be found in water, food, and air. Your body needs some manganese to stay healthy. The recommended daily intake for manganese depends on a person's age and sex. The recommended manganese intake for children over eight years old and adults varies from 1,900 to 2,600 µg per day. Infants should consume 600 µg or less of manganese per day.

The level at which manganese benefits one person could overlap with the level at which it is harmful to another person. Adults and children get enough manganese through their diet. Infants get enough manganese from breast-milk, food, or formula. Food often has a higher manganese level than water; however, there are many types of food that can actually block manganese from getting into the body. Water does not have the same characteristics as food, so your body can more easily absorb manganese in water.

Manganese in Minnesota's Water

Manganese occurs naturally in groundwater across Minnesota. Based on an MDH study, groundwater in southeastern Minnesota tends to have low levels of manganese (below 50 µg/L). Southwestern Minnesota tends to have higher levels—some over 1,000 µg/L. There are no clear patterns in the other parts of the state.

Although public water systems are not required to test for manganese, some Minnesota community public water systems test for manganese either before or after treating water. Based on test results and treatment practices, MDH estimates about 90 percent of Minnesotans using community public drinking water systems receive water with levels of manganese below 100 µg/L. About 3 percent of Minnesotans on community public water systems receive water with levels above 300 µg/L. It is important to remember certain types of household water treatment units may reduce manganese to safe levels.

What MDH is Doing

MDH has health-based guidance for manganese in water (see *Human Health-Based Water Guidance Table*). MDH gathered data to find patterns of where manganese occurs in Minnesota's groundwater (see *Initial Assessment of Manganese in Minnesota Groundwater*). MDH also participated in an effort by the Minnesota Ground Water Association to create a report about manganese called *Manganese in Minnesota's Groundwaters*.

What Other Groups are Doing?

Researchers at the University of Minnesota received funding to investigate Risks to Infants from Manganese in Drinking Water.

Resources

- Home Water Treatment (www.health.state.mn.us/communities/environment/ water/factsheet/hometreatment)
- Human Health-Based water Guidance Table (https://www.health.state.mn.us/communities/environment/risk/guidance/gw/table.html)
- Initial Assessment of Manganese in Minnesota Groundwater (PDF) (www.health.state.mn.us/communities/environment/ water/docs/swp/mnreport.pdf)
- Manganese in Minnesota's Groundwaters (PDF) (www.mgwa.org/documents/whitepapers/01_manganese/Manganese_in_Minnesotas_Groundwaters.pdf)
- Risks to infants from managanese in drinking water (https://consortium.umn.edu/risks-infants-manganese-drinking-water)
- Search for Accredited Laboratories (www.health.state.mn.us/labsearch)
- The Wells and Increased Infant Sensitivity and Exposure (WIISE) Study (PDF) (www.health.state.mn.us/communities/environment/risk/docs/studies/wiisereport.pdf)

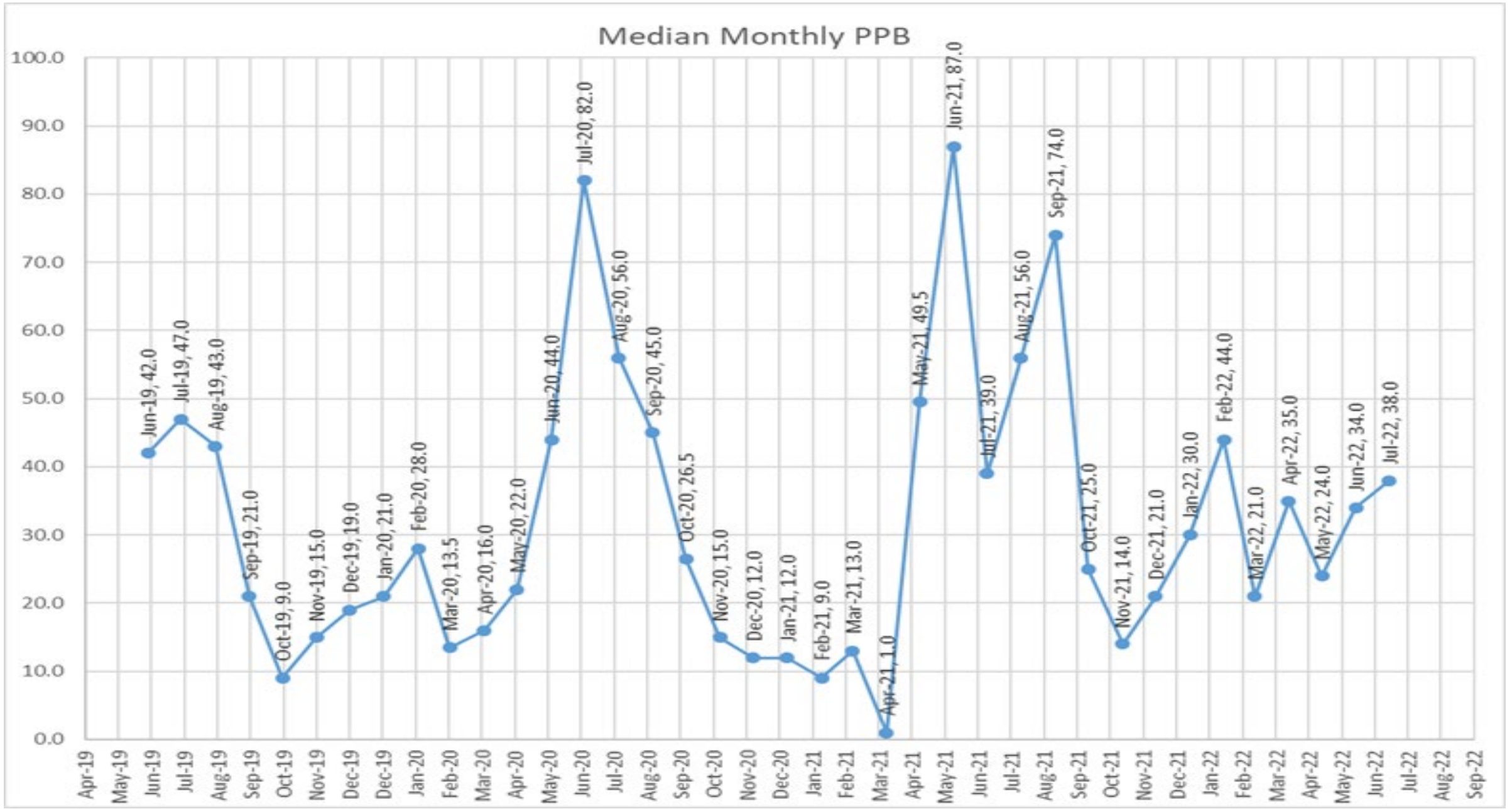
Minnesota Department of Health
Environmental Health Division
651-201-4700
health.drinkingwater@state.mn.us
www.health.state.mn.us

For any health related question, please contact Health Risk Assessment Unit at 651-201-4899, health.risk@state.mn.us.

March 25, 2021

To obtain this information in a different format, call: 651-201-4700.

City of Ramsey Median Monthly Manganese Concentrations (1 PPB = 1 µg/L)



Feasibility Study

Water Treatment Plant

City of Ramsey, Minnesota

RAMSY 154354 | March 4, 2021

SEH

Building a Better World for All of Us®

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Feasibility Study

Water Treatment Plant
City of Ramsey, Minnesota

SEH No. RAMSY 154354

March 4, 2021

I hereby certify that this 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.

Miles B. Jensen, P.E.

Date: March 4, 2021 License No.: 19869

Short Elliott Hendrickson Inc.
3535 Vadnais Center Drive
St. Paul, MN 55110-3507
651.490.2000

SEH

Executive Summary

The City of Ramsey has eight water supply wells with concentrations of manganese ranging from 0.02 mg/L to 0.37 mg/L. The Minnesota Department of Health (MDH) has established a Health Based Value (HBV) for manganese of 0.100 mg/L. Four of Ramsey's eight water supply wells exceed the MDH HBV for manganese. MDH has recommended to the City that they develop plans to address the manganese. In addition to the potential health concerns with manganese, Ramsey's drinking water also exceeds the Secondary Standards for iron and manganese. Water with concentrations of iron and manganese above the Secondary Standard causes aesthetic problems including red and black staining of plumbing fixtures and laundry and taste complaints.

The City of Ramsey currently utilizes groundwater from the Tunnel City-Wonewoc (TCW) aquifer as its exclusive source of drinking water. An evaluation was conducted of the TCW aquifer which determined that the TCW should be able to continue to produce potable water to meet present and foreseeable future demands.

The most cost-effective method for removing manganese and iron from drinking water is chemical oxidation followed by sand filtration. These processes require construction of a water treatment plant. Based upon an analysis of Ramsey's 2040 water demand, the initial capacity of the water treatment plant should be 10 million gallons per day (MGD), with the ability to expand to 20 MGD.

Four water treatment plant sites were evaluated including the Fire Station site, Public Works site, Water Shop site, and Vacant City property site. The Public Works site would be the least expensive to construct because it could share garage space, a generator, and security infrastructure with the onsite Public Works facility. The Public Works site also offers operational efficiencies because it is on the same site as the new Public Works facility. In January of 2020, the City of Ramsey's Planning Commission, Economic Development Authority, and Public Works Committee all voted unanimously to recommend City Council approval to construct the water treatment plant on the Public Works site.

This study evaluated two treatment process alternatives including gravity filtration and pressure filtration. With gravity filtration, the water flows by gravity through concrete filter cells into a holding tank (clearwell). The water is then pumped into the distribution system. With pressure filtration, the water is pumped from the wells through steel pressure filters and directly into the distribution system.

Report level project and life cycle cost opinions for the two alternatives are included below. The project costs include the capital cost plus 10-percent contingency, 1-percent administration, and 12-percent engineering costs. Life cycle costs represent the total cost of owning and operating the water treatment plant for 50 years and include capital cost, equipment replacement, labor, gas, chemicals, insurance, electricity, and annual equipment repair.

	Project Cost	**50 Year Life Cycle Cost**
Gravity Filter Treatment Plant	$32,400,000	$71,880,000
Pressure Filter Treatment Plant	$30,780,000	$75,440,000

As the table indicates, the gravity filter treatment plant has a slightly higher project cost, but a lower overall life cycle cost. The pressure filter treatment plant has a higher life cycle cost due to the expense of painting and maintaining the steel filters; whereas concrete gravity filters require very little maintenance.

Executive Summary (continued)

In addition to having lower life cycle costs, gravity filters have other advantages over pressure filters including: (1) more treatment options including aeration and detention without requiring another pumping step, (2) water from the gravity filters does not go immediately into the distribution system so if problems occur with treatment processes operators have time to react, (3) gravity filters are open to view and access, and (4) gravity filtration systems have a greater amount of operational flexibility including the ability to treat surface water.

A gravity filter treatment plant is the recommended alternative due to the advantages it offers at a comparable cost.

If the City elects to proceed with a water treatment plant project, the proposed project schedule could be as follows:

Item	Completion Date
Public Involvement	March 2021 – April 2021
Preparation of Plans	May 2021 – September 2021
Ad for Bid	October 2021
Bid Opening	November 2021
Construction Start	December 2021
Construction Complete	June 2023

However, Anoka County is planning “interim” improvements to Bunker Lake Boulevard between Armstrong Boulevard and Sunfish Lake Boulevard in 2021 to improve operations and safety in anticipation of traffic volumes doubling while planned improvements to Highway 10 are constructed between 2022 and 2025. Therefore, to construct the raw and finished watermain associated with the water treatment plant project as cost-effectively as possible, plans and specifications for the raw and finished watermain improvements are recommended to be prepared and bid in conjunction with Anoka County’s proposed improvements to Bunker Lake Boulevard.

Operating the water treatment plant is not anticipated to require additional Staff. While Staff will need to visit the plant on a daily basis to operate and maintain it, this time will generally be offset by the time Staff currently spends operating and maintaining the six municipal wells and three pump houses within The COR.

If a water treatment plant project is pursued, immediate distribution water quality improvements should not be expected. The water treatment plant will produce water free of iron and manganese; however, it takes time for the iron and manganese deposits in the distribution system to dissipate and overall water quality to improve.

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Water Treatment Plant

Prepared for City of Ramsey

1 Existing Water Infrastructure

1.1 Overall System Description

The City of Ramsey's water system dates back to 1985 when a well, pressure tank storage, and distribution piping was constructed. Today, Ramsey's water system provides drinking water to approximately 4,400 residences and approximately 340 businesses. The existing water system consists of the following major components:

- Eight municipal wells
- Four pump houses
- Chemical feed systems in each pump house to add chlorine, fluoride, and polyphosphate
- Over 83 miles of watermain
- Over 900 fire hydrants
- Three water towers with a combined storage of 4 million gallons (MG)

The wells pump water to their respective pump houses, with Wells No. 1 and 2 pumping to Pump House 1, Wells No. 3 and 4 pumping to Pump House 2, Wells No. 5 and 6 pumping to Pump House 3, and Wells No. 7 and 8 pumping to Pump House 4. Following chemical addition at the Pump Houses, water is pumped directly into the distribution system.

1.2 Raw Water Supply

The City of Ramsey operates eight (8) municipal wells finished in the Tunnel City-Wonewoc (TWC) aquifer. Table 1 provides a summary of each well. Figure 1 in Appendix A shows the Ramsey distribution system map that identifies the locations of the wells, as well as the towers.

Table 1 – Well Data

Well No.	Year Constructed	Formation	Depth	Casing Depth (ft)	Casing Size (in)	Capacity (gpm)
1	1984	Ironton-Galesville	320	243	14	700
2	1987	Ironton-Galesville	320	240	14	220
3	1997	Ironton-Galesville	345	222	30	1,450
4	1998	Ironton-Galesville	321	191	30	850
5	2000	Ironton-Galesville	316	215	30	850
6	2005	Ironton-Galesville	390	282	30	900
7	2007	Ironton-Galesville	332	216	30	850
8	2007	Ironton-Galesville	354	245	30	1,400

Notes: Well No. 2 used exclusively for irrigation of River's Bend Park.

The combined capacity of all of the wells is 7,220 gallons per minute (gpm) which is equivalent to 10.4 million gallons per day (MGD). The firm capacity (capacity with the largest well out of service) is 5,770 gpm or 8.3 MGD.

If a centralized water treatment plant is constructed, Wells No. 1 and 2 would not initially be connected to the water treatment plant due to the significant expense required to extend trunk watermain to the water treatment plant. The firm capacity without considering Wells No. 1 and 2 is 4,850 gpm or 7.0 MGD.

All of the wells are located in the southern part of the City north of U.S. Highway 10, with Wells No. 1 and 2 located in the south-eastern portion of Ramsey, and Wells No. 3 through 8 located in the south-central portion of Ramsey.

Maintenance records indicate that the wells, pumps, and motors are inspected and repaired on a routine basis. The condition of the wells, pumps, and motors system-wide appears to be good.

1.3 Current Water Treatment

Chlorine is added to the well water to provide a disinfectant residual in the distribution system. The City utilizes a free chlorine residual in the distribution system rather than chloramine, which is a less powerful disinfecting agent created when chlorine is mixed with ammonia. The City does have low levels of naturally occurring ammonia in their well water, although chlorine is fed past the breakpoint to completely oxidize the ammonia.

Polyphosphate is added to the water to sequester iron and manganese. Sequestering of iron and manganese keeps the metals in solution and prevents them from precipitating to form oxides, and thus preventing aesthetic water quality issues such as color, taste, and sedimentation. Sequestration does not remove iron or manganese, and polyphosphate degrades over time which may cause aesthetic issues at dead-ends and outer ends of the distribution system.

In accordance with Minnesota State Statute, fluoride is also added to the treatment process to promote strong teeth.

The chemicals are added to the raw water from the wells in each of the pump houses prior to being pumped into the distribution system.

1.4 Existing Water Towers

The City of Ramsey currently has three water towers with storage capacities of 0.5 MG (tower 1), 1.5 MG (tower 2), and 2.0 MG (tower 3). Towers 1 and 2 are located in the south-eastern and south-central parts of the City respectively, while tower 3 is located in the north-eastern part of the City. The 0.5 MG tower is a spheroid style steel water tower constructed in 1989, while the 1.5 MG and 2.0 MG towers are fluted column steel water towers constructed in 2000 and 2010, respectively.

2 Distribution System Modeling

A hydraulic computer model was generated to evaluate the performance of the City's current water distribution system, as well as evaluate the system into the future as the water system expands, experiences increasing demands, and utilizes a water treatment plant instead of individual wells pumping into the system. The model used the most recent GIS information for the City's water system assets, and was created using WaterGEMS®, a pipe network program developed by Bentley®. Flow testing was conducted within the distribution system in October 2019 to calibrate and help verify the accuracy of the computer model. A summary of the flow test results and locations are listed in Table 2.

The water model allows the water system to be examined, while adding proposed features to the system. This provides an indication as to what pressures and flows would be available in the water system with the various proposed features. The model also allows for the examination of component operation within the system such as water tank filling cycles. There are many other exercises that the model can be used for in the future in relation to water system operations and planning. The water model can continue to be an operations and planning tool for the expanding water system.

Table 2 – Hydrant Flow Test Results

Flow Test	Location	Field Hydrant Flow (gpm)	Pressure Differential Field Results (psi)	Pressure Differential Model Results (psi)	Pressure Differential (psi)
1	Olivine St. NW south off of 147th Ln. NW	1,171	2	1	-1
2	Dead-end on Vanadium St. NW	1,123	4	2	-2
3	Dead-end on 140th Ave. NW	1,205	8	10	2
4	Dead-end on 142nd Ln. NW	984	26	42	16
5	Corner of Tonto St. NW and Alpine Dr. NW	1,188	4	6	2
6	Dead-end on 152nd Ave. NW	1,047	9	7	-2
7	Corner of 157th Ave. NW and Krypton St. NW	1,152	7	9	2
8	Dead-end on Lithium St. NW	1,047	7	8	1
9	Dead-end of east end of 167th Ln. NW	1,197	4	2	-2
10	Dead-end of new cul-de-sac off of 159th Ave. NW	1,078	6	7	1

Flow Test	Location	Field Hydrant Flow (gpm)	Pressure Differential Field Results (psi)	Pressure Differential Model Results (psi)	Pressure Differential (psi)
11	Current dead-end on 149th Ave. NW	1,234	5	5	0
12	West dead-end on 147th Ln. NW	1,123	3	8	5
13	Dead-end on 137th Ave. NW	1,188	11	10	-1
14	East dead-end on Rivlyn Ave. NW	1,031	10	10	0

During the calibration process of the Ramsey water system hydraulic model, pumping rates, customer demands, and tower water levels were set to the conditions recorded during the field testing. Individual pipe roughness coefficients (C-factors) were adjusted until the calibrated system model closely simulated field test data as indicated in Table 2. As indicated from Tests 4 and 12, the model was unable to be calibrated to match the field tests. For Test 4, it is believed there was an error when measuring during the field test. The age and size of the pipe on 142nd Ln. NW is the same as the pipe on 140th Ave. NW (Test 3), which the model calibrated closely with. It is believed that the pipe roughness coefficient used for the pipe on 142nd Ln. NW is accurate. For Test 12, it is believed that there is another pipe off of Bunker Lake Blvd. that connects to the new development along 147th Ln. NW that is not yet geo-located, because when adding an additional pipe, the model calibrates closely with the field data. The pipe along 147th Ln. NW is a new 8" pipe, so it is believed that the pipe roughness coefficient used for the pipe is accurate. Additionally, Test 10 was conducted on hydrants in a new development. Previously, this area was at a lower elevation than it is currently. This caused the model to not correlate well with the field-testing data. The elevations of the hydrants in the model were adjusted to more closely correlate with the field data, and as the pipe in the development is new, it is believed that the pipe roughness coefficient used for the pipe is accurate.

Once the computer water model was constructed and calibrated, the model was used to calculate the operating conditions in the water distribution system.

2.1 Existing System Static Pressures

Water system pressure is primarily a function of elevation with some degree of pressure loss as water flows across the system. Static pressures throughout the distribution system as determined by the water model are shown in Figures 1-3 in Appendix B for average day demand (ADD), maximum day demand (MDD), and Peak Hour Demand. Low pressures generally occur in areas where the elevations are relatively high compared to the overflow elevation or hydraulic grade line (HGL) of the system.

As you can see in Figures 1-3 in Appendix B, the pressures across the system are generally consistent, and are approximately the same between the three demand scenarios. All areas of the system are within the range of 50 to 80 psi as you can see in Table 3.

Table 3 – Water System Static Pressures

	Average Day Demand	Maximum Day Demand	Peak Hour Demand
Minimum Pressure (psi)	56	56	56
Average Pressure (psi)	68.5	68.1	67.5
Maximum Pressure (psi)	77	77	76
Demand (gpm)	1,221	3,330	5,498

All three demand scenarios were done with the towers at an HGL of 1,031 feet. No wells were running during the model simulation.

2.2 Existing System 24-Hour Simulation

A 24-hour extended period simulation was run for average day demand (ADD) and maximum day demand MDD to model how the existing system performs in terms of pressure, velocity, and tank levels. System pressures are recommended to be in the range of 35 psi to 80 psi, and pipe velocities are recommended to not exceed 5 feet per second. For an average day demand, 1.72 MGD was assumed, and for maximum day demand, a maximum day peaking factor of 2.73 was assumed to get a maximum day demand of 4.7 MGD. For both demand scenarios, diurnal demand curves were used, and were developed by analyzing SCADA operation data documenting system water tower levels, as well as using industry standards and previous experience. These diurnal demand curves are shown in Figures 1 and 2 and were used for all modeling simulations. The operating range of Tower 1 was assumed to be 6 feet where wells would initially turn on when the HGL of Tower 1 went below 1,025 feet, and the wells would turn off when the HGL of Tower 1 went above 1,031 feet. Figures 4-5 in Appendix B show the operation of the wells and towers for both demand scenarios.

The pressures across the system were generally consistent throughout the 24-hour simulation for both demand scenarios. As can be seen in Figures 6-7 in Appendix B, at no point did pressures drop below 50 psi, and at no point did pipe velocities exceed 3 feet per second for the ADD simulation or exceed 5 feet per second for the MDD simulation. In fact, only one segment of pipe exceeded 4 feet per second during the MDD simulation.

Figure 1 – ADD Diurnal Curve

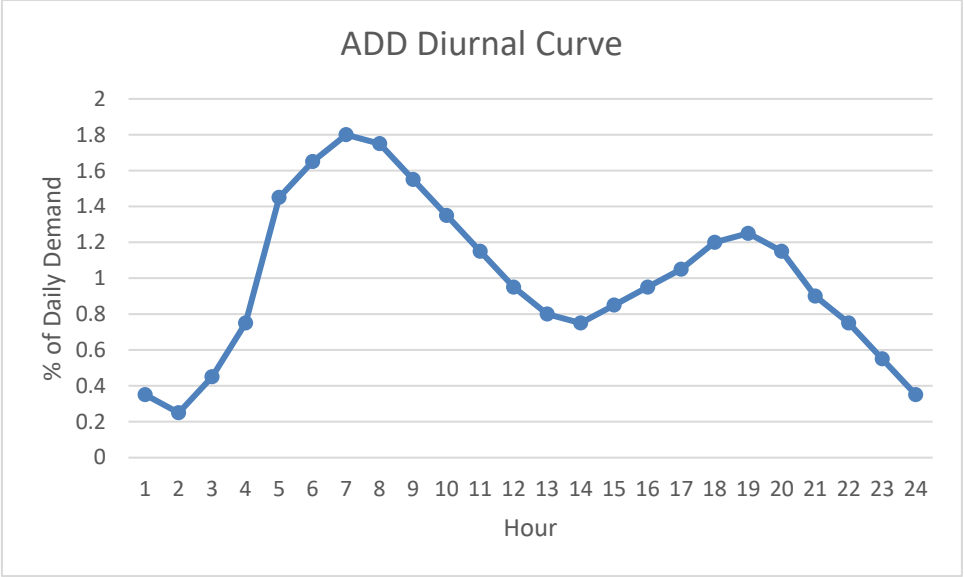
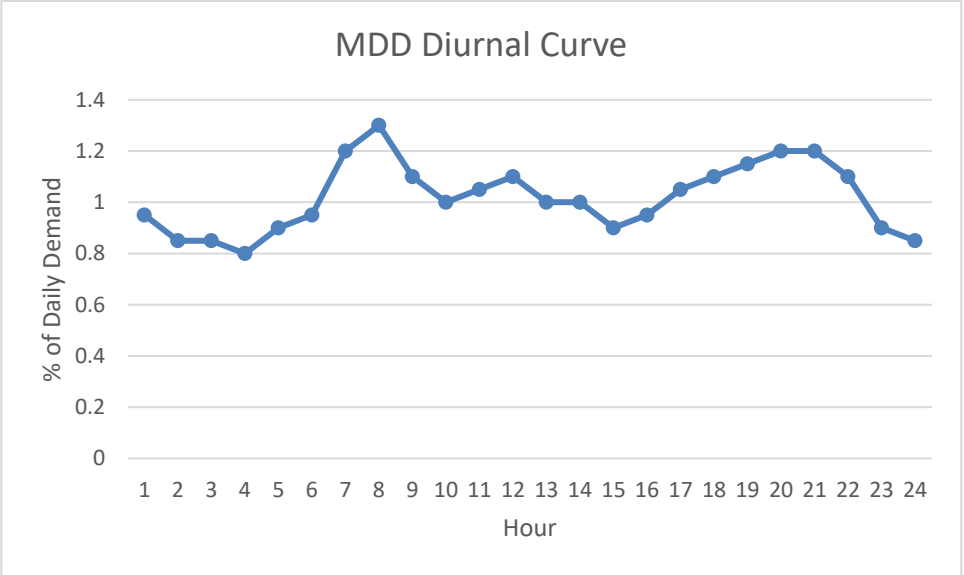


Figure 2 – MDD Diurnal Curve



2.3 Existing System Available Flow for Fire Protection

Designing a water system to provide adequate fire protection is an important consideration. Adequately sized watermain is an important consideration to supply desired fire flows. Guidelines for determining fire flow requirements are provided by the ISO. ISO is the insurance service organization responsible for evaluating and classifying municipalities for fire insurance rating purposes. Available fire flow for fire protection (fire flow) in this report is defined as the flow capacity at a point in the water distribution system which causes the pressure to fall to 20 psi (residual pressure). A map of the fire flow analysis for the distribution system under a maximum day demand is shown in Figure 8 in Appendix B. Note that the fire flow analysis for the

distribution system was done for junctions (watermain intersections and at dead-ends) instead of hydrants, so the fire protection in some areas may be better than shown as a hydrant may be nearby on a larger sized watermain. In general, low fire flows occur where normal pressures are already low, and in areas with small diameter watermains, or in areas with older watermains. Dead-ends typically have noticeably weaker fire flows than looped watermain as well.

To determine if the water system is deficient in available fire flow, a basis for fire protection must be established. For planning purposes, the minimum fire protection requirement can be based on land use according to Table 4.

Table 4 – Minimum Fire Flows

Land Use	Flow (gpm)
Park	500
Single-Family	1,000
R-1 Low-Density Single Family	1,000
Two-Family	1,000
Multi-Family	1,500
High-Density Multi-Family	1,500
Service Office	1,500
Community Commercial	2,500
General Commercial	2,500
Industrial	3,500
Mixed Use-Neighborhood	2,000
Mixed Use-Community	2,000
Mixed Use-Regional	2,000

In general, the City is well protected with over 98% of the distribution system having fire flows of 1,500 gpm or higher. When comparing available fire flows with the City's existing land use map there are a few areas where the available fire flow may be deficient. Specifically, a small industrial land use area north of Highway 10 and south of the southern dead-end of Jaspar Street NW, as well as the dead-end of 142nd Lane NW in the southeastern part of the City.

2.4 Existing System 24-Hour Simulation – Treatment Plant

Similar to the existing system 24-Hour simulation, a 24-hour extended period simulation was run for ADD and MDD demands to model how the existing system performs in terms of pressure, velocity, and tank levels with a treatment plant as the sole source of water. With a single source versus wells spaced throughout town, the worry is that the furthest points from the treatment plant may experience lower pressures due to headloss through the distribution system. An ADD of 1.72 MGD and a MDD of 4.7 MGD were assumed.

Figures 9-10 in Appendix B show the operation of the treatment plant high service pumps and towers for both demand scenarios, and Figures 11-12 in Appendix B show the minimum pressures for both demands scenarios. Pressures across the system were generally consistent throughout the 24-hour simulation for both demand scenarios, and at no point did the pressure drop below 50 psi during both demand scenarios, and at no point did velocities exceed 5 feet per

second. Modeling of both demand scenarios show that the existing system performs very well with a treatment plant as the sole source of water.

2.5 2040 System 24-Hour Simulation

By 2040, Ramsey's estimated average day demand is expected to increase to 3.5 MGD, and the maximum day demand is expected to increase to 10.3 MGD. With this increased demand, it is important to ensure that the distribution system and storage facilities are adequately sized to meet the future demand. The storage capacity of the current water system is 4 MG, which will still meet the Minnesota Department of Health's recommendation of having enough storage to meet or exceed the ADD, so additional storage will not be required through 2040.

Although it is impossible to know where future watermain will be required, future watermain was added and sized according to previous reports, which can be seen in Figures 15-16 in Appendix B. Future demands were allocated based on locations future pipes and future development areas.

Figures 13-14 in Appendix B show the operation of the treatment plant and towers for both demand scenarios, and Figures 15-16 in Appendix B show the minimum pressures for both demands scenarios of the 2040 24-hour simulation. Again, the pressures across the system were generally consistent throughout the 24-hour simulation for both demand scenarios, and at no point did the pressure drop below 50 psi during the ADD scenario. Pressures did drop to as low as 37 psi during the MDD scenario in some areas in the future north development between 173rd Ave NW and 181st Ave NW due to the higher elevations, although this can be alleviated by keeping the towers at a higher level. Velocities were kept below 5 feet per second, although a short segment of 16" pipe on Bunker Lake Blvd NW approached around 5.5 feet per second during the MDD scenario for a short period of time, although this is not a concern.

2.6 Distribution Modeling Conclusions and Recommendations

Modeling of Ramsey's water system shows that it performs well currently and with a treatment plant now and in the future. If the City chooses to build a water treatment plant, raw watermain will be needed to bring the well water to the treatment plant. Currently there is raw watermain for bringing well water to the pumphouses, which can be utilized for the treatment plant, although additional and bigger sized raw watermain will be required. The raw watermain required is shown in Figure 1 in Appendix I and was assumed in the modeling. Of note, the 16" watermain along Bunker Lake Blvd NW should be used as finished watermain and was assumed to be in the modeling.

As the population grows, and thus the water demand, there are a few recommendations for improving the water system to be able to operate efficiently with 2040 demands. First, it is recommended that the 16" watermain along Bunker Lake Blvd NW be tied into the 12" watermain along E Town Center Drive. Modeling did not assume this, although it may be advantageous to do so beyond 2040 if the private well owners in the center of town go on city water. The models did assume that the 16" watermain along Bunker Lake Blvd NW ties into the 8" and 12" watermain along Rhinestone Street NW.

Second, with the proposed treatment plant location being on the west side of town, it may be beneficial depending on future demands to extend the 12" watermain along Armstrong Blvd NW to Bunker Lake Blvd, and to extend the 16" watermain along Bunker Lake Blvd NW to E Town

Center Drive. The extensions of those pipes was assumed in the 2040 modeling analysis and prevented additional pipes in the area from exceeding a velocity of 5 feet per second.

Third, as can be seen in Figure 19 in Appendix B, the water level in Tower 2 approached and stayed at an HGL of 1,033 feet. This was done by utilizing an altitude valve in the model for the tower. Due to Tower 2's close proximity to the treatment plant, there is a risk of the tower to overflow, especially during a MDD scenario, as the treatment plant pumps into the system to fill Tower 1. Because of this, an altitude may have to be installed in the future

3 Drinking Water Quality

The City of Ramsey's water is tested on a regular basis by the City and by Minnesota Department of Health (MDH). The following sections discuss Primary and Secondary test results for the City's wells and distribution system.

3.1 Primary Drinking Water Standards

Primary Standards are legally enforceable standards that public water suppliers are required to meet. Primary standards protect public health by regulating the levels of certain contaminants in public water supplies. The United States Environmental Protection Agency (US EPA) establishes maximum contaminant levels (MCLs) for primary standard constituents. Regulated constituents include microorganisms, disinfectants, disinfection byproducts, inorganic chemicals, organic chemicals and radionuclides. A few primary contaminants have been detected in Ramsey's water as shown on Table 5; however, the contaminants detected well below their respective MCLs.

Table 5 – Water Quality - Primary Drinking Water Standards

Contaminant	Highest Average or Highest Single Test Result	Range of Detected Test Results	MCL	90% of Results Were Less Than	EPA Action Level
Lead	-	-	-	1.9 ppb	90% of homes less than 15 ppb
Copper	-	-	-	0.82 ppm	90% of homes less than 1.3 ppm
Barium	0.11 ppm	-	2 ppm	-	-
Arsenic	1.49 ppb	-	10.4 ppb	-	-
2,4-D	0.03 ppb	-	70 ppb	-	-
Combined Radium	2.2 pCi/l	-	5.4 pCi/l	-	-
Total Trihalomethanes (TTHMs)	2.1 ppb	1.70 – 2.10 ppb	80 ppb	-	-
Total Chlorine	1.14 ppm	0.77 – 1.64 ppm	4.0 ppm	-	-
Fluoride	0.81 ppm	0.59 – 1.00 ppm	4.0 ppm	-	-

Notes: Data from Ramsey's Consumer Confidence Report

3.2 Manganese

According to the Minnesota Department of Health (MDH), too much manganese in drinking water can have negative health effects for babies under one year old. At high concentrations, manganese can also have negative health effects for children and adults. To protect bottle-fed infants, MDH recommends manganese levels of less than 0.100 mg/L. To protect children and adults, a manganese level of less than 0.300 mg/L is recommended. To ensure that all residents are protected, MDH has established a Health Based Value (HBV) for Manganese of 0.100 mg/L.

Manganese also has a secondary standard of 0.05 mg/L where levels above can cause color, staining, and taste issues.

Recently, manganese was included as a contaminant to be monitored under the Fourth Unregulated Contaminant Monitoring Rule (UCMR4), which is discussed in later in this chapter. The City of Ramsey conducted UCMR4 sampling in 2019 which included sampling for manganese. As shown in Table 6, Wells No. 1, 3, 4, and 8 tested above the MDH HBV. Due to the high levels of manganese, MDH has recommended to the City that they develop short-, mid-, and long-term plans to address the high levels. In response to the high levels, the City began using wells with the lowest levels of manganese, and when required to use more wells during higher demand times, the City developed a plan to mix the water from the low level wells with the

high-level wells. As a long-term plan, the City is in the process of determining the best option, but are considering:

- Mixing water from different wells to lower manganese wells;
- Drilling new drinking water wells;
- Installing City filtration systems;
- Constructing a water treatment plant; and
- Using water from neighboring municipal water systems.

Table 6 – Manganese in Ramsey Wells

Well	Manganese (mg/L)	MDH HBV (mg/L)
Well 1	**0.320**	0.100
Well 3	**0.229**	0.100
Well 4	**0.371**	0.100
Well 5	0.022	0.100
Well 6	0.023	0.100
Well 7	0.052	0.100
Well 8	**0.223**	0.100
Note: Well 2 used exclusively for irrigation		

3.3 Secondary Drinking Water Standards

Secondary Standards are non-enforceable guidelines for contaminants that cause aesthetic or cosmetic effects, such as taste, odor and color, and can cause problems with piping. The Secondary Standard for manganese is discussed in Section 3.2. Table 7 presents the iron and hardness data for Ramsey's wells.

Table 7 – Iron and Hardness in Ramsey Wells

Well	Iron (mg/L)	Hardness (mg/L $CaCO_3$)
Well 1	0.551	256
Well 3	0.529	280
Well 4	0.240	-
Well 5	0.801	-
Well 6	0.787	211
Well 7	0.818	225
Well 8	0.704	-

3.3.1 Iron

The secondary standard for iron is 0.3 mg/L where iron concentrations above the secondary standard can cause a rusty color to the water, sediment build-up, a metallic taste, and reddish or orange staining. As shown on Table 2, the drinking water from the Ramsey wells consistently

exceeds the Secondary Standard for iron with concentrations ranging from 0.240 mg/L to 0.818 mg/L.

3.3.2 Hardness

Hardness, which is a measurement of multivalent cations, such as calcium and magnesium, is an aesthetic issue due to its ability to cause scaling and build-up on fixtures, as well as its reaction with soaps producing a sticky and gummy deposit. Although not included as a secondary standard, water with a hardness above 120 mg/L as $CaCO_3$ is considered hard water.

As shown on Table 2, the drinking water from Ramsey's wells is considered hard with a hardness ranging from 211 mg/L to 280 mg/L.

3.4 Emerging Contaminants

The US EPA uses the Contaminant Candidate List (CCL) and the Unregulated Contaminant Monitoring Rule (UCMR) to screen potential contaminants for further regulation. The CCL and UCMR are discussed in the following sections.

3.4.1 Contaminant Candidate List

The US EPA maintains a Contaminant Candidate List (CCL) for contaminants that may need to be regulated, which is published every five years. The current CCL includes 97 chemicals or chemical groups and 12 microbiological contaminants and can be seen in Appendix C along with the other published CCLs. The list includes chemicals used in commerce, pesticides, biological toxins, disinfection byproducts, and waterborne pathogens. The contaminants on the list are not currently regulated by existing Primary drinking water standards. It should also be noted that the US EPA reviews existing regulated contaminants. If existing standards are modified, they are typically lowered (i.e. arsenic) and not raised.

3.4.2 Unregulated Contaminant Monitoring Rule

Along with the CCL, UCMR is used by the EPA to collect data for contaminants that are suspected to be present in drinking water, but do not have health-based standards set under SDWA. Occurrence data are then used to determine whether particular contaminants should be regulated in the interest of protecting public health. Monitoring under UCMR is conducted every five years for no more than 30 contaminants and is required for all community water systems over 10,000 people, and for a representative sample of systems with populations less than or equal to 10,000 people. Selection of contaminants to be monitored is determined through existing prioritization processes, including contaminants previously monitored under UCMR, and the CCL. Other contaminants of interest may also be chosen. Since the promulgation of UCMR, there have been four rounds of sampling with the fourth round (UCMR4) currently underway. Among the four rounds of UCMR sampling, some of the contaminants include:

- Pesticides
- Volatile Organic Compounds (VOCs)
- Synthetic Organic Compounds (SOCs)
- Metals
- Hormones
- Flame Retardants

- Perfluorinated Compounds (PFAS)
- Disinfection Byproducts
- Cyanotoxin Chemicals
- Other chemicals used in industrial and manufacturing practices

The majority of these contaminants are from anthropogenic, or human activity, sources, and thus necessitates the need to be vigilant in protecting City wells from pollution. As discussed further in Chapter 5, the City's wells are well protected from anthropogenic pollution, but continued safeguarding of the wells will be crucial in preventing a new contaminant in the City's drinking water supply that requires treatment.

Although it isn't possible to predict what contaminants will be regulated in the future, having flexibility in a treatment system is important to provide treatment options for possible future contaminations, new regulations for contaminants, and as testing abilities continue to improve.

4 Water Demand

Ramsey's average daily water demand from 2009 to 2019 ranged from 1.6 to 1.9 million gallons (MGD). The maximum daily demand, usually occurring during summer months due to lawn watering and other non-consumptive use, ranged from 4.1 to 5.5 MGD.

The projected annual average water demand for the City is expected to increase to 3.5 MGD and up to a projected daily maximum of 10.3 MGD in the year 2040. A list of future water projections from the City's Water Supply Plan is included below.

Table 8 – Projected Water Demands

Year	Projected Total Population	Projected Population Served	Projected Average Daily Demand (MGD)	Projected Maximum Daily Demand (MGD)
2020	27,550	13,921	1.8	5.3
2025	30,450	18,547	2.4	7.0
2030	33,350	22,987	3.0	8.7
2040	39,150	26,988	3.5	10.3

4.1 Adequacy of Existing Water Supply

As discussed in Section 1.2, if a centralized water treatment plant is constructed, Wells No. 1 and 2 would not initially be connected to the water treatment plant due to the significant expense required to extend trunk watermain to the water treatment plant. The existing firm capacity without considering Wells No. 1 and 2 is 4,850 gpm or 7.0 MGD. Table 8 predicts that Ramsey has sufficient firm capacity without Wells No. 1 and 2 through the year 2025. When maximum day demands reach 7.0 MGD, Ramsey should consider drilling another well.

By the year 2040, Ramsey will need 10.3 MGD in firm capacity. To provide this capacity without using Wells 1 and 2, an additional 3 wells will be needed by 2040 (assuming 850 gpm per well).

5 Groundwater Availability

The City of Ramsey currently utilizes groundwater as its exclusive source of drinking water. For planning purposes, the City needs to understand whether groundwater can continue to provide existing and future water demands.

5.1 Description of the Hydrogeological Setting

The following sections describe the hydrogeology (groundwater) in Ramsey.

5.1.1 Surficial Hydrogeological Setting

The surficial geology in the region is primarily associated with erosional and depositional glacial events during the Quaternary Period. Surficial aquifers throughout this region have highly variable aquifer properties. The Metropolitan Council classifies these as having a moderate to high water yield for potable use; however, it is often challenging to identify the locations for the most productive units with some areas providing little or no yield for water supply. Depending on the location, the presence of finer grained units that can act as confining layer will affect water recharge rates to these aquifers and limit the quantity of water these aquifers can supply. Surficial aquifers are often the first aquifer to be recharged and thus can be more vulnerable to contamination. Therefore, the overall water quantity and quality is described by the Metropolitan Council as variable.

5.1.2 Bedrock Hydrogeologic Setting

The bedrock underlying the City of Ramsey and surrounding areas consists of Precambrian to Ordovician age Paleozoic sedimentary strata overlying Precambrian age basement rock. While variation and extent of bedrock aquifers occur, in general five regional aquifers are described and support much of the potable water for the Twin Cities region, from oldest to youngest: (1) Mt Simon-Hinckley (2) Tunnel City-Wonewoc (3) Prairie du Chien-Jordan (4) St. Peter, and (5) Quaternary aquifers. These aquifers are hydrologically disconnected by a variety of interbedded confining layers. Regional aquifers can also be subdivided further; for example, the Tunnel City-Wonewoc Aquifer maybe be hydraulically disconnected if the Lone Rock Formation (of the Tunnel City Group) acts as a confining unit. Primary lithology, and hydrogeologic designations are summarized in the table below, from oldest to youngest, for the area.

Table 9 – Bedrock Aquifers

Geologic Formation	Age	Primary Hydrogeologic Designation	Approximate Thickness	Primary Regional Lithology
Hinckley Sandstone	Pre-Cambrian	Aquifer	Not Available	Quartzose sandstone overlying the Precambrian bedrock
Mt Simon Sandstone	Middle Cambrian	Aquifer	~200 to 336 ft	Quartz sandstone that contains interbedded siltstone and very fine sand.
Eau Claire Formation	Middle to Upper Cambrian	Confining	~60 to 90 ft	Fine grained sandstone, siltstone and shale.
Wonewoc Sandstone	Upper Cambrian	Aquifer	~ 50 to 60 ft	Very fine to very coarse grained Sandstone.
Tunnel City Group	Upper Cambrian	Aquifer / Confining	~ 150 to 180 ft	Lower is massively bedded very fine to fine-grained sandstone; upper is coarse grained sandstone.
St Lawrence Formation	Upper Cambrian	Confining	~ 38 to 59 ft	Dolomitic siltstone with interbedded very fine-grained sandstone and shale.
Jordan Sandstone	Upper Cambrian	Aquifer	~ 85 to 100 ft	Upward sequence of fine to coarser grained sandstone.

Regionally other bedrock aquifers exist that are not listed above, the following are aquifers present within the City of Ramsey area. These aquifers are discussed in detail in the following sections. Throughout the City of Ramsey, The Tunnel City group is the uppermost Bedrock unit meaning the St Lawrence and Jordan Sandstone is only sparsely present. Above these Bedrock units are unconsolidated sediment discussed in sections above.

5.1.2.1 Jordan Aquifer

The Jordan Aquifer is generally considered to be hydrologically connected to the Prairie Du Chien Unit. However, as evident from the geologic bedrock map (Figure 2 in Appendix D) the Prairie Du Chien Unit was either not deposited or has been entirely eroded through much of this area. The thickness and presence of this aquifer through this area is scarce and laterally disconnected. Where present, Within the City of Ramsey, the Jordan Sandstone thickness is minimal at around 20-30 feet and appears heavily eroded. Quaternary deposits directly overlay this unit and the Jordan Sandstone is likely recharged by these deposits.

5.1.2.2 Wonewoc / Tunnel City Group

The Tunnel City Group and the underlying Wonewoc Sandstone (formerly known as the Franconia-Ironton-Galesville Aquifer) supply water for much of the Northwest Metro region. Presence and thickness of the Tunnel City is depicted on Figure 6 in Appendix D, and for the Wonewoc on Figure 8 in Appendix D. Areas where the Aquifer is not present primarily occur within bedrock valleys where previous streams and surface water features carved away the bedrock unit. A large unconformity of the Wonewoc Sandstone is depicted within Anoka County where heavy erosion of this unit appears to have taken place prior to the deposition of the Tunnel City Aquifer. This area is depicted where the Wonewoc aquifer thickness thins or is not present

(Figure 8 in Appendix D). Potentiometric surfaces of this units are depicted on Figures 7 in Appendix D for the Tunnel City and Figure 9 in Appendix D for the Wonewoc Sandstone. Potentiometric surfaces were created by the Minnesota Geologic Survey and provide a rough estimate for water elevations for a proposed well within these units and their groundwater flow direction.

The Metropolitan Council generally describes the productivity of the Tunnel City – Wonewoc Aquifer as variable. Yields tend to be moderate to low with some of the highest yields reported where bedrock units are highly fractured.

5.1.2.3 Mt. Simon-Hinckley Aquifer

The Mount Simon-Hinckley Aquifer is generally described by the Metropolitan Council as a high to moderate yield aquifer. New high-capacity wells are generally not permitted by the Minnesota Department of Natural Resources as use has been restricted by Minnesota Law, therefore it is not discussed in this report in greater detail.

5.1.3 Ramsey Municipal Wells

The City of Ramsey wellfields are comprised of 8 wells. Wells 1 and 2 are located in the southeastern portion of city limits, while Wells 3 through 8 are located in the south-central portion of the City. The City of Ramsey currently receives all of its potable water from the Tunnel City-Wonewoc aquifer. The well locations are depicted on Figure 1 in Appendix D. These wells are detailed in the table below.

Table 10 – Ramsey Well Data

Well No.	Unique Well No.	Date Constructed	Aquifer	Total Depth (ft)	Casing Depth (ft)	Casing Diameter (in)
1	161441	1984	Tunnel City Group	323	243	14
2	416183	1987	Tunnel City Group	320	240	14
3	580306	1997	Tunnel City-Wonewoc	345	222	30 x 24
4	580313	1998	Tunnel City-Wonewoc	321	191	30 x 24
5	593672	2000	Tunnel City-Wonewoc	316	215	30 x 24
6	706840	2005	Tunnel City-Wonewoc	390	282	30 x 24
7	743832	2007	Tunnel City-Wonewoc	332	216	30 x 24
8	743833	2007	Tunnel City-Wonewoc	354	245	30 x 24

5.1.4 Daily Volume of Water Pumped

The Minnesota Department of Natural Resources (MnDNR) permits high-capacity wells and records total water use within wells deemed to be high capacity. All of the City of Ramsey wells are considered high-capacity wells with an approved MnDNR appropriation permit. All yearly water use is recorded within MnDNR's Water Permitting and reporting system (MPARS). Additionally, The City of Ramsey has an approved Water Supply Plan (Third Generation for 2018-2028).

The City of Ramsey currently preferentially utilizes wells from their south-central well field that includes wells 3 through 8. City Wells 1 and 2 are to the southeast of the primary well field and has a decreasing utilization rate. Well locations are depicted on Figure 1 in Appendix D.

As discussed in Section 4, the average daily water demand from 2007 to 2017 ranged from 1.62 to 1.92 million gallons (MGD). The maximum daily demand ranged from 4.1 to 5.5 MGD. The projected annual average water demand for the City is expected to increase to 3.5 MGD and up to a projected daily maximum of 10.2 MGD in the year 2040.

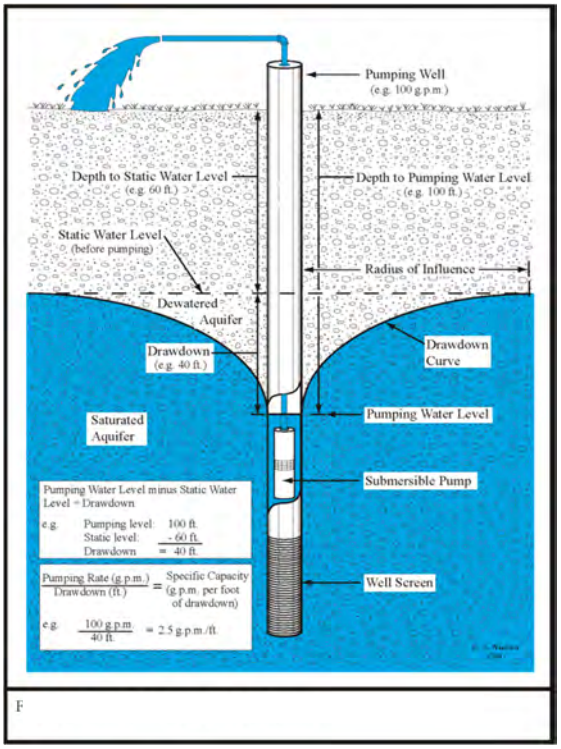
5.1.5 Aquifer Response to Well Pumping

Aquifer response to well pumping can be measured in many ways. The most common and observable measurement within a well is through measurement of the drawdown, or change in static water levels, and also through calculating the well specific capacity. These measurements help to quantify water use within a well. As a well continues to pump it creates a radius of influence where nearby water is drawn down into what is called a cone of depression. This correlates to well interference and can have a combining effect when multiple high capacity wells are pumping. These terms are discussed in the Minnesota Department of Health publication, "A Guide to the Rules Relating to Wells and Borings" (Minnesota Rules, Chapter 4725). The adjacent image from the handbook describes this terminology. The following sections will discuss these terms in detail.

5.1.5.1 Well Drawdown

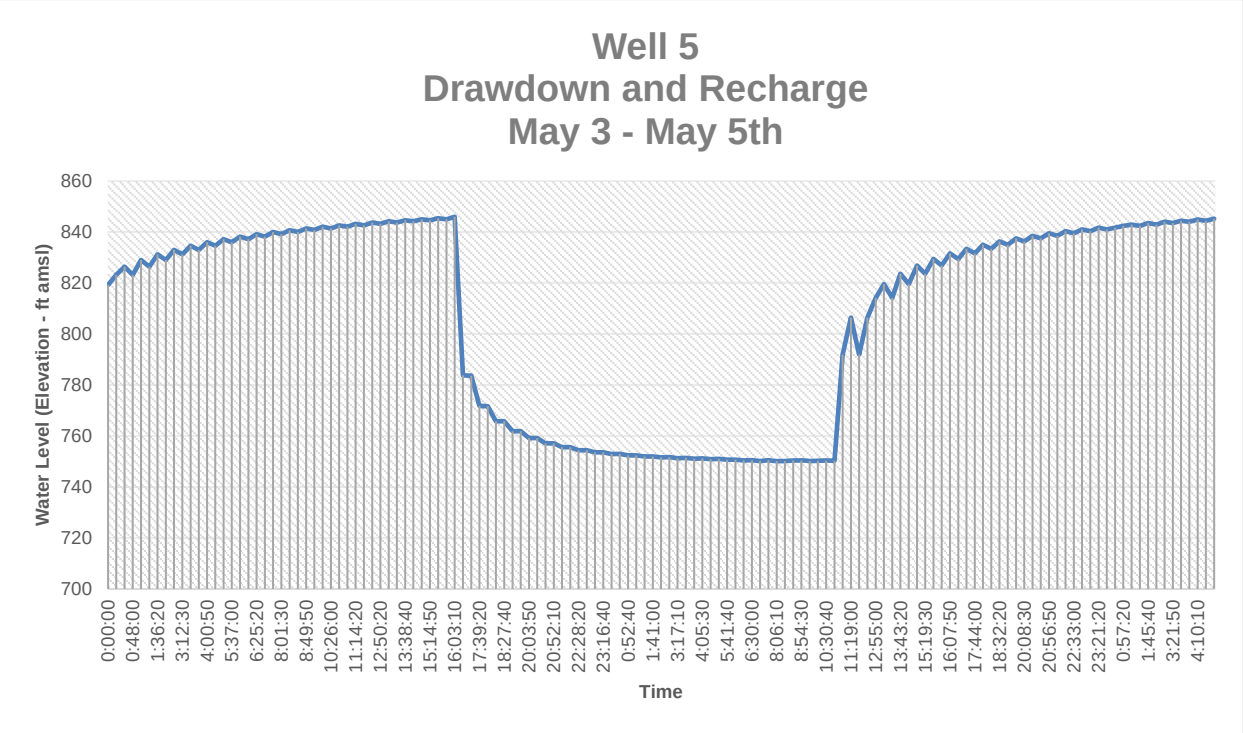
Well drawdown is the decrease of water from the baseline static water level. It can also be described as a decrease in water elevation, potentiometric surface, or water head. As a well is pumped, drawdown is induced by the removal of a volume of water from the aquifer. As the well continues to operate it can also create an area around the well where water is drawdown. This area of drawdown is known as a cone of depression or the area of Influence from a pumping well.

Figure 3 – Terms Relating to Well Performance



When a well discontinues pumping, water from surrounding aquifers will flow into the area and bring water levels back to static levels. Pumping temporary creates an area of low potentiometric water pressure, and when the well is shut off water will flow into the area to balance out that change in potentiometric surface. This is known as recharge, or recovery. The recovery period like the drawdown is determined by the hydrogeological properties of the aquifer. Drawdown observed in the City of Ramsey wells are typical for Twin Cities bedrock aquifers. The following chart depicts a drawdown and recover of Well 5 during a 2-day period starting May 3rd to May 5th in 2019.

Figure 4 – Well 5 Drawdown and Recharge



At the start of this period, Well 5 water levels were recovering to static at approximately 23 feet below ground surface. Pumping commenced at 15:15 on May 3rd and continued for the next 18 hours. Initial drawdown or instantaneous drawdown is depicted by the step increase in drawdown from 16:51 to 18:27. Water levels over this period fell 80 feet. Water levels over the following 18 hours decreased another 40 feet. The well ceased pumping at 10:30 on May 3rd and recharge to the aquifer took 17 hours to return to static water levels.

Current well pumping and rates of recharge appear good with the aquifer being able to recharge water to static in a relatively low period of time.

5.1.5.2 Well Drawdown and Available Head

Water levels from the source water aquifer, the Tunnel City-Wonewoc Aquifer, are much higher than the topographic elevation of the top of bedrock. This scenario is known as a confined aquifer, where the potentiometric surface, or water head, is higher than the topographic location of the aquifer.

Presently, water quantity throughout the region is good and there are no regulations actively being enforced on pumping levels within a well. Well interference and long-term groundwater trends through pumping/drawdown is conducted on a case by case basis by the Minnesota DNR if a problem arises.

Typically, it is not a good idea to drawdown water levels in a confined aquifer below the top of bedrock as it can introduce oxygen into the formation. Additionally, water levels should stay sufficiently above the specifications of the water pump design.

For confined aquifers, the Minnesota DNR has established a two-tiered aquifer protection threshold system to ensure the long-term viability of the pumped aquifer and to prevent exceedance of the aquifer safe yield as defined by MN Rule 6115.0630 Definitions Subps.15 and 16. These thresholds allow for appropriation from the aquifer but establishes minimum water level elevations to be maintained as a safeguard to protect the structural integrity of the aquifer itself. Threshold elevations are set in observation wells completed in the source aquifer and not pumped wells.

- The first threshold is set at an elevation that is 50% of the pre-pumping available head above the top of the aquifer. If water levels drop to the 50% threshold, pumping will need to be evaluated and a possible reduction in rate and volume may be required.
- The second is a water level elevation associated with 25% of the pre-pumping available head above the aquifer. At the 25% threshold, pumping would need to cease to prevent exceeding the safe yield for the artesian aquifer.
- If more than one aquifer is impacted by pumping, then thresholds are set similarly in the other aquifers.

The table below depicts the static water level and the approximate available head above top of aquifer in the City of Ramsey's current municipal wells taking account the Minnesota DNR 50% and 25% thresholds.

Table 11 – Drawdown in Ramsey Wells

Well No.	Unique Well No.	Total Depth (ft)	Casing Depth (ft)	Static Water Level Depth (ft)	Approximate Drawdown to Top of Aquifer (ft)	Approximate Drawdown to 50% threshold (ft)	Approximate Drawdown to 25% threshold (ft)
1	161441	323	243	9.5	233.5	116.75	175.1
2	416183	320	240	9.5	230.5	115.25	172.8
3	580306	345	222	26	196	98	147
4	580313	321	191	18	173	86.5	129.7
5	593672	316	215	25	190	95	142.5
6	706840	390	282	37	245	122.5	183.7
7	743832	332	216	25	191	95.5	143.2
8	743833	354	245	15	230	115	172.5

These MnDNR threshold values are approximate as an observation well has to be established by the MnDNR for baseline water elevations; however, the table above provides an estimate for which the city should manage water levels.

5.1.5.3 Well Specific Capacity

Well specific capacity is the rate of pumping per unit of drawdown expected. This is generally expressed as gallons per minute (GPM) per foot of drawdown. All of the City of Ramsey wills experience a sharp initial displacement of water as the wells are turned on (as seen in Well 5 drawdown examples above). For the purpose of this report, this initial displacement was not considered in the calculations for Well Specific Capacity in order to give a more accurate depiction of how the aquifer will respond once stabilized to various pumping rates.

Well Specific Capacity for the City of Ramsey was determined to be approximately 30 to 40 GPM / ft after initial displacement. This indicates a 30 to 40 GPM increase in pumping rate will increase total drawdown by 1 foot. The Specific Capacity was established analyzing the following recent results from pumping.

5.1.6 Bedrock Hydrogeologic Sensitivity to Pollution

Water quality for bedrock aquifers are generally a function of recharge rates for water originating from surficial waters, or percolation from direct precipitation, that may carry contaminants. Aquifers generally flow from areas of high potentiometric conditions to areas of low potentiometric conditions which can be influenced by surface topography, bedrock topography, Well Influence, and the hydraulic properties of the geologic units.

The areas of higher potentiometric conditions often correspond to recharge areas or where water enters the aquifer and, as a result, are the most susceptible to distributing such contamination to the bedrock aquifer. Recharge areas may have variable recharge rates and may even decrease because of the properties of the material in which it flows. Confining units, formations primarily made up of fine-grained material, reduce groundwater flow rates and provide more geologic protection. Geologic protection can be described in categories as to how quickly water can percolate from the surface to the bedrock from ‘Low’ to ‘High’.

Figure 4 in Appendix D depict bedrock protection ‘Geologic Sensitivity’ for Anoka County. While the majority of the bedrock aquifers exhibit a low geologic sensitivity, some areas are depicted with a high sensitivity. The areas of high sensitivity do not appear to correspond to specific bedrock geologic conditions. Instead, high sensitivity is more likely related to where confining units have been removed and where coarse-grained Quaternary sediment overlies the bedrock surface.

Figure 5 in Appendix D depicts tritium samples taken within the City of Ramsey. Tritium is a radioactive isotope of hydrogen that can be used to indicate water age. MDH classifies young (post-1953) water, as indicated by the presence of 1 TU or greater in the well water. Tritium results for these samples depict a mixed result. This mixed result reflects uncertainty about the pathway for young water (containing tritium) to reach the deeper bedrock aquifers. Although the presence of tritium may be the result of a compromised well casing allowing surface water seepage, conservatively, it is assumed that some pathways may exist.

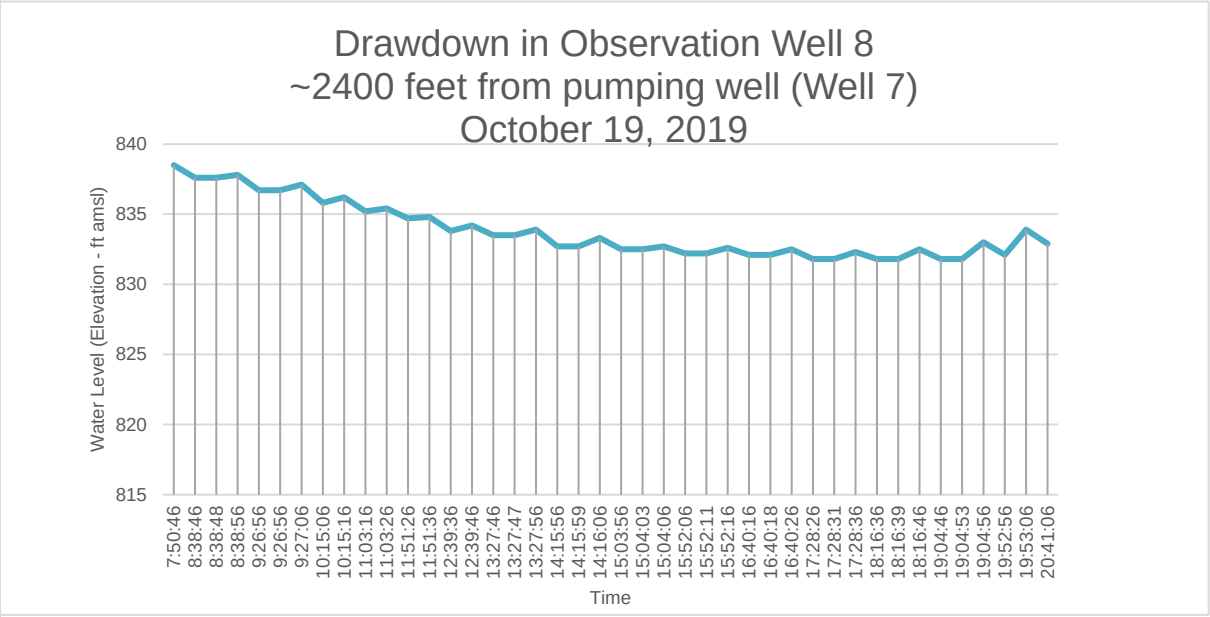
5.1.7 Well Spacing

Determining the proper spacing of wells in Artesian Aquifers is a balance of well drawdown, the ability of the surrounding formation to recharge, and further economic considerations (USGS 1961). In general, the farther apart high-capacity wells are from one another, the less mutual interference will occur on the wells. Additionally, the economics of well spacing needs to be weighed against the potential drawdown of the wells.

The USGS in 1961 developed a method utilizing the Theis equation for hydraulics to determine expected well drawdown and the surrounding cone of depression. Calculations using this equation were completed to understand the hydrogeology of this aquifer system.

The following example depicts drawdown in well 8 over the course of 12-hour period while well 7 was pumping at an Average of 800 GPM.

Figure 5 – Drawdown in Observation Well 8



During the course of Well 7 pumping, Well 8 at a distance of 2,400 feet observed approximately 6 to 9 feet of drawdown.

The Theis equation predicts a cone of depression approximately 2,448 feet from pumping well 7.

Theis Equation for the City of Ramsey		
Time =	0.5	days
Theis W(u) Function	0.752	unitless
Drawdown =	6	ft
Transmissivity =	11493	gpd/ft
Pumping Rate =	800	gpm
Theis u variable =	0.390	unitless
$r^2 = 4Ttu\ 4S$		
Storativity =	0.0002	unitless
Radius rounded for map	2400	ft

These results indicate that a single well pumping at current well field spacing does not induce mutual well interference. This 6-foot cone of depression is depicted on Figure 11.

However, complexities arise as present-day conditions see the use of 3 to 5 concurrent wells, and a 2040 demand increasing up to a projected 500% daily maximum demand. In order to model these scenarios and their resulting cone of depressions a groundwater model was developed.

5.1.8 Model

The groundwater flow and cone of depression calculation for the City of Ramsey were determined using an existing regional MODFLOW model that was developed by Barr Engineering Company for the Metropolitan Council (Metro Council, 2014). MODFLOW is a 3D, cell-centered, finite difference, saturated flow model developed by the U.S. Geological Survey (McDonald and Harbaugh, 1988; Harbaugh et al., 2000).

MODFLOW was developed by the United States Geological Survey and is publicly available. The specific software code used for this delineation was MODFLOW-2005 (Harbaugh, 2005). The program has been thoroughly documented, is widely used by consultants, government agencies, and researchers and consistently accepted in regulatory proceedings. MODFLOW is also an extremely versatile program capable of simulating groundwater flow in up to three dimensions while offering a variety of boundary condition options, confined or unconfined aquifer conditions and allowing for vertical discretization through the use of layering.

The Metro Model consists of nine layers that represent the major aquifers and aquitards within the seven-county metropolitan area. These layers represent, from top to bottom (youngest to oldest), the following units: (1) surficial aquifer of glacial deposits; (2) St. Peter Sandstone or Quaternary Buried Artesian Aquifer; (3) Prairie du Chien Group; (4) Jordan Sandstone; (5) St. Lawrence Formation (aquitard); (6) Tunnel City Group; (7) Wonewoc Aquifer, (8) Eau Claire Formation (aquitard); and (9) Mt. Simon Sandstone. The regional groundwater model was calibrated to steady-state water levels and river base flows. Model parameter development and error is discussed in the Metro Model report.

A local model limited to an approximate radius around the city limits was extracted from the regional seven-county model using telescopic mesh refinement with the Groundwater Vistas software. Constant and general head boundaries around the limits of the model along with wells, rivers and lakes, and infiltration, provided the model boundary conditions.

The model grid was refined around the City of Ramsey wells. Variable grid spacing was used, ranging from approximately 2 meters near the City of Ramsey wells to approximately 500 meters at the edge of the grid.

Prior to their use in the delineations, the following modifications were incorporated in the refined models:

- Local areas of modified horizontal conductivity were included in the model.
- The pumping rates for baseline (no pumping), maximum present-day use, and projected 2040 demand were inputted into scenarios of the model.

To determine the water contours of the aquifer and the resulting cone of depressions multiple model runs using multiple flow rates were inputted into the city wells. Baseline conditions were established creating a model that input no pumping from the City wells. This represents static aquifer water levels without influence of the City wells. Water elevations from this baseline condition is depicted on Figure 12 in Appendix D. The results from this model run are verified and match MnDNR hydrogeologic atlas potentiometric surface predictions depicted in Figure 7 and Figure 9 in Appendix D.

The second model run input pumping values from June 12, 2019 to predict the cone of depression caused from 8 hours of pumping 4 wells. The resulting head values from this model

were subtracted from the baseline model. Results from this calculation are shown in Figure 13 in Appendix D. This Figure depicts the cone of depression created on June 12, 2019. To check accuracy of the model results Well 3 a non-pumping observation well saw water levels drop approximate 12-15 feet from baseline conditions, essentially matching modeled results.

The third model run adjusted June 12, 2019 pumping wells to be increased to projected 2040 demand. The resulting cone of depression is depicted on Figure 14 in Appendix D. Results indicated almost double the drawdown depicted from the second model run. Well 3 was again input as a non-pumping observation well and would observe 40 feet of drawdown under these conditions.

5.1.8.1 Model Calibration

A qualitative evaluation of the calibration can be made by comparing the simulated potentiometric surface (Figure 12 in Appendix D) with observed water level targets obtained from the MWI database and Minnesota Department of Natural Resources Potentiometric Surfaces (Figure 7 and Figure 9 in Appendix D). Upon review, the calibrated flow model generally captures the major features of the groundwater flow system along with the elevation, shape, magnitude, and gradient of the MWI database observed flow field.

A quantitative measure by which to evaluate the success obtained during calibration is to compare the root mean square of the residuals (RMS) and the maximum observed head difference of the calibration dataset. The calibration dataset included water level information from wells in an approximate 16-mile radius of the city's wells. The root mean square residual of the calibration for layers 6 and 7 for the model was approximately 5.15 meters with a Normalized Root Mean Squared of 5.0 percent. It is noted that this error is less than the calibration target of 15 percent (Anderson et al., 2015).

5.2 Groundwater Modeling Conclusions

The Source water aquifer that the City of Ramsey currently utilizes is a deep-confined aquifer comprised of two geologic units, the Tunnel City and Wonewoc Aquifers. Throughout the region, numerous other unconsolidated and bedrock aquifers exist along with substantial surface water bodies such as the Mississippi River. Overall, the area surrounding the Twin Cities has substantial surface and groundwater resources to support present and long term portable water.

At present, there is no reason to assume that the current source water aquifer for the City of Ramsey will not be able to supply potable water for the foreseeable future. The City of Ramsey's source water aquifer and wells are able to meet present day demand and appear to have a noticeable but temporary radius of influence on the surrounding aquifer. The wells are able to support high pumping rates with specific capacity showing acceptable drawdown alongside the aquifer's ability to recharge to static levels within a day of pumping.

The City of Ramsey will need to balance water demand with drawdown to meet Minnesota Department of Natural Resources drawdown thresholds described in MN Rule 6115.0630 Definitions Subps.15 and 16. Two thresholds are in place and regulate that wells must not drawdown MnDNR assigned static water levels to within 50-percent and 25-percent to the top of aquifer. These threshold values are set by a MnDNR observation well and would typically be enforced if long term issues are observed. Thresholds for the City of Ramsey could become a concern if there is extended pumping within a single well or pumping by multiple wells in close proximity.

In summary, it is SEH's opinion that there is a 95% to 99% certainty that the source water aquifer for the City of Ramsey will continue to produce potable water to meet present and foreseeable future demands; however, the City of Ramsey should plan additional well sites to ensure static water levels remain sufficiently above top of aquifers to meet MnDNR thresholds.

Single well pumping for the City of Ramsey, as depicted by Well 5 in May, 2019 saw approximately 90 to 100 feet of temporary drawdown. This observed drawdown nears the MnDNR 50-percent threshold; however, the pumping extended multiple days and recharged within the same time period back to static levels. This supports the ability of the wells to supply continued water and ability to stay within prescribed State Statute.

A single well also creates a radius of influence drawing down adjacent water levels. The zone of influence for a single well was observed and modeled to be approximately two to three thousand feet, meaning that a single well pumping at approximately 800 feet will not cause a significant drawdown in another well. When multiple wells are being utilized such as under heavy day demand or under 2040 conditions the modeled and observed drawdown in nearby wells sees a substantial drop in static water levels from that of a single well pumping. Modeled drawdown during present heavy day conditions depict 30-40 feet of drawdown approximately 1,500 feet around the wellfield. After pumping stops, the aquifer will recharge to static levels within one or two days. In general, it appears new well sites should be spaced at least 1,500 to 2,000 feet away from existing wells to ensure a pumping scheme that gives the aquifer sufficient time to recharge.

Future well sites should attempt to balance the City's current economics, well spacing, and take into account the underlying geology. The City of Ramsey should continue to utilize the current source water aquifer for both a water quantity and a water quality standpoint. The source water aquifer is underneath protective "confining" units that appear to inhibit the influence of new water from brining contaminants to the City's wells and will likely produce consistent water quality unlikely unconfined sources such as surface water that may have a highly variable water quality.

Additional considerations for well Sites should take into account the thickness of the two hydrogeologic units that make up the source water aquifer. The Tunnel City aquifer is not as prolific an aquifer as the Wonewoc aquifer, meaning that the Wonewoc aquifer is a more economical source of water. Figure 15 in Appendix D depicts three potential well sites taking into account these issues. Well Site Area A has Tunnel City aquifer thickness ranging from 100 to 150 feet and Wonewoc thickness ranging from 45 to 60 feet. Well Site Area B has Tunnel City aquifer thickness ranging from 0 to 80 feet and Wonewoc thickness ranging from 35 to 100 feet. Well Site Area C has Tunnel City aquifer thickness ranging from 90 to 100 feet and Wonewoc thickness ranging from 15 to 35 feet. All of these sites have potential for potable water sources, but a test well will need to be installed to confirm their viability. As opportunities to investigate these well sites present themselves the City should consider these as potential well sites.

6 Regional Water Supply Study

Metropolitan Council Environmental Services in conjunction with the Cities of Ramsey, Dayton, Rogers, and Corcoran prepared a study in 2020 that looked at various options for a regional water system. SEH was the consulting engineer on the project. The *Northwest Metro Area Regional Water Supply System Study* (Study) evaluated four approaches to water supply:

- Approach 1: Regional Surface Water Treatment Plant
- Approach 2: Regional Lime Softening Groundwater Treatment Plant
- Approach 3: Regional Conjunctive Use System (Surface Water Augmented with Groundwater)
- Approach 4: Status Quo (communities construct individual lime softening groundwater treatment plants)

So that similar treated water qualities were being evaluated, Approach 2 and Approach 4 assumed that the communities would construct lime softening groundwater treatment plants. A potential driver ultimately requiring lime softened groundwater or the use of surface water is a chloride discharge limit in wastewater.

A finding in the report as it relates to surface water treatment in the vicinity of Ramsey was that *"The Mississippi River has sufficient water quantity to serve the Northwest Metro communities. The water quality in the Mississippi River appears to be acceptable for a conventional surface water treatment plant. St. Could, St. Paul, and Minneapolis utilize the Mississippi River as their source of drinking water."*

The capital cost of a surface water treatment plant is significantly higher than an iron and manganese groundwater treatment plant. Based on costs presented in the report, the project cost for a 10 MGD surface water treatment plant would be $50 million or more. In addition, the Operation and Maintenance costs of treating surface water is approximately twice as high as iron and manganese treatment.

It should be noted that a surface water treatment plant could provide softened water to the residents of Ramsey; whereas an iron and manganese treatment plant would not provide softened water. However, residents that are concerned about hard water are likely already softening their water with a home softener.

As of the preparation of this report, the Study was still in draft form. When the Study is complete, it will be available to the public on the MCES website. The citation for the report is: *Metropolitan Council. 2020. Northwest Metro Area Regional Water Supply System Study. Prepared by Short Elliott Hendrickson Inc. Metropolitan Council: Saint Paul*.

Because it has been demonstrated that Ramsey should have sufficient groundwater available to meet future demands, a surface water treatment plant is not recommended at this time. A potential Ramsey groundwater treatment plant will be located close enough to the Mississippi River that it could be converted to a surface water treatment plant in the future if it became necessary. It is recommended that surface water features be designed into a potential water treatment plant. The additional cost of the surface water features is approximately $250,000.

7 Water Treatment

To remove manganese, iron, or hardness from Ramsey's drinking water, a centralized water treatment plant should be constructed. Adding the necessary processes to treat the water supply at each pump house would not be cost-effective.

7.1 Current and Future Treatment Needs

Many of Ramsey's wells are high in manganese, which has necessitated a solution to reduce the levels due to its health concerns. Ramsey's water is also high in iron and hardness. Ramsey's water otherwise meets all of the primary and aesthetic drinking water standards.

Manganese and iron can be removed with oxidation and sand filtration as discussed in the pilot study in Appendix E. Hardness removal options are discussed in Section 7.5.

Future treatment requirements will depend upon the class of contaminant being treated. Volatile chemicals can typically be removed using an aerator (i.e. gasoline constituents, trichloroethylene [TCE], radon, hydrogen sulfide, etc.). Some organic chemical may be removed using granular activated carbon (potential taste and odor causing contaminants). It may also be possible to add chemical feed systems to remove new contaminants using sand filters (i.e. arsenic, radium). If it is not possible to remove the contaminants by volatilization, carbon filtration, or sand filtration, membrane filters could be necessary (i.e. reverse osmosis). It should be noted that sand filtration is typically required ahead of membrane filters because iron and manganese causes fouling on the membranes.

In addition to potential future contaminants, a water treatment plant could be designed with features that would allow it to be converted to a surface water treatment plant in the future. One of these features would be filter-to-waste piping and valves. Filter-to-waste piping is required for surface water treatment, but is not generally used with groundwater treatment.

Ultimately, having a treatment facility that is flexible and can be retrofitted to meet new potential requirements is very important.

7.2 Treatment Capacity

As discussed in Chapter 4, the maximum day demand ranged from 4.1 to 5.5. MGD in the last 10 years. While the overall maximum day water demand has been flat in the last 10 years, the maximum day demand nearly triples the average day demand. The projected 2040 maximum day water demand is 10.3 MGD.

The recommended capacity of a water treatment plant for Ramsey is 10 MGD under normal conditions with the ability to operate up to 15 MGD for shorter periods. This will allow the City to comfortably treat maximum days through 2040 and possibly beyond.

7.3 Manganese and Iron Removal Options

The most common and most cost effective option for manganese and iron removal is chemical oxidation followed by sand filtration. In groundwater, the manganese and iron ions are in solution. When a strong oxidant is added to the water, it converts the manganese and iron to filterable solids.

The oxidant that is added for iron oxidation is typically oxygen via aeration or chlorine. The chemical oxidant that is added for manganese oxidation is typically sodium permanganate. Chlorine is a less expensive chemical oxidant, but the reaction with manganese is too slow to be used in a filtration process. Options for gravity and pressure filtration are presented later in this chapter.

Other options for iron and manganese removal are chemical oxidation followed by membrane filtration or reverse osmosis. Both of these options are very expensive from a capital cost and operations and maintenance standpoint and are not being considered further.

7.4 Hardness Removal

Hardness in water is caused by excess calcium and magnesium ions in the water. Hard water causes scaling on fixtures and can plug pipes. Hardness can be removed from water on a municipal scale by lime softening or ion exchange softening.

7.4.1 Lime Softening

Lime softening involves adding lime to water to raise the pH to a point where the calcium carbonate is no longer soluble in the water. By forming calcium carbonate precipitate; the calcium can be removed by filtration. A lime softening water treatment plant requires sedimentation, clarification, and filtration and is very expensive. The capital cost of a lime softening water treatment facility for Ramsey could be as much as $50 million. The operation and maintenance (O&M) of a lime softening water treatment facility would also be significantly more than an iron and manganese removal water treatment facility. Higher O&M for a lime softening plant is due to a larger facility and more chemical processes. It should be noted that a lime softening water treatment plant would also remove manganese and iron, and would not require a separate treatment process.

Due to the high capital and O&M costs associated with a lime softening water treatment plant, it is not recommended for the City of Ramsey.

7.4.2 Ion Exchange Softening

Ion exchange softening involves exchanging calcium and magnesium ions for sodium ions with an ion exchange resin. This is exactly the same process that is used in a home water softener. To regenerate an ion exchange softener, the resin is flushed with a concentrated solution of brine. This regeneration process uses large quantities of salt. A municipal ion exchange water softening system treating 3.5 MGD (Ramsey's 2040 average day demand) would use as much as 6 tons of salt every day.

The capital cost of adding an ion exchange water softening treatment process to a new water treatment facility would be approximately $5 million. This cost would be in addition to an iron and manganese removal water treatment plant.

The operation cost for salt and wasted water for an ion exchange softening process is approximately $500 per million gallons of water treated. This is independent of whether it is done by the City or by a resident.

An ion-exchange softening process would add approximately 3 tons of chloride to the wastewater system which is ultimately discharged to the Mississippi River. While the MCES Metro Wastewater Treatment Plant currently meets its discharge limits, chlorides have received more regulatory scrutiny recently. Operating a municipal scale ion exchange softening process may become less feasible in the future due to chlorides in wastewater. In addition, municipal scale ion exchange softening might not be considered environmentally responsible. Due to the higher operation and maintenance costs, potential future regulations, and environmental responsibility, an ion-exchange softening process is not recommended.

7.5 Pilot Study Results

A pilot study was performed by John Thom of SEH of Ramsey's water in January 2020. The Pilot Study Report is included in Appendix E. The objectives of the pilot study were to evaluate the effectiveness of detention time prior to filtration, and to determine the optimal filter media.

The pilot study found no significant difference between direct filtration and utilizing 30 minutes of detention time prior to filtration, and found no significant difference between the silica sand/anthracite and greensand/anthracite filter media. Because the manganese oxide coating on manganese greensand filters is helpful for manganese removal, greensand/anthracite filter media is recommended.

7.6 Filter Sizing

The required filter area is determined by dividing the nominal filtration capacity by a flux rate (filtration rate). Ten States Standards requires sand filtration rates from 2 to 4 gpm / ft^2. Because the required filtration capacity is 10 MGD under normal operating conditions, the facility will be designed for 10 MGD at 2 gpm / ft^2. Therefore, if 15 MGD is necessary for short periods of time, the filtration rate will still be in the acceptable range. With a capacity of 10 MGD and a filtration rate of 2 gpm / ft^2, it is necessary to have 3,200 ft^2 of filter media. To have reasonable backwash rates and operational flexibility, this will be broken into eight filters.

7.7 Operator Input

Ramsey operators and City Staff toured existing water treatment plants in Andover and Brooklyn Center as part of this feasibility study. Operator feedback from the tours was gathered and incorporated into the building layouts discussed in the following sections.

7.8 Treatment Alternative 1 - Gravity Filter Layout

7.8.1 General

In an iron and manganese gravity filtration system, water to be filtered is pumped, under low pressure, to the treatment facility where it flows by gravity through the various treatment processes. Following the oxidation process, the water flows through the filter cells from top to bottom. As the water passes through the filter media, the insoluble particles of iron and manganese are removed.

As more and more water is filtered, the restriction to flow, created by the accumulation of iron and manganese solids on the media, steadily increases. In a gravity facility, this restriction to flow, called head, is measured in feet of water depth in the filter cells. As the solids accumulate, the depth of water in the filter cells increases. Due to the physical nature of a gravity filter, when the depth of water in a cell reaches its maximum designed head (high water level) backwashing is required. Failure to backwash at the proper time could result in the filter overflowing or poor effluent water quality being produced. Gravity filters are typically constructed of concrete or steel. Steel filters are generally found in smaller water systems. Because of the large size of the filters required for Ramsey, steel filters are not being considered.

The advantages to gravity filtration systems are:

1. Gravity filters provide for more treatment options including aeration and detention without requiring another pumping step. If regulations change or the water becomes contaminated, additional treatment steps can be added to gravity filters.
2. Water from the gravity filters does not go immediately into the distribution system. If problems with the filters occur or if sodium permanganate is overfed (causing pink water), operators have time to react and correct the problem.
3. Gravity filters are open to view and access. This is advantageous in that it enhances the observation, operation and maintenance of the filter functions and components.
4. Gravity filtration systems have a greater amount of flexibility with less disruption during normal maintenance procedures.

The disadvantages to gravity filtration systems are:

1. The facilities tend to have more capital cost than pressure type facilities.
2. Typically requires the facility to be constructed on two floor levels.
3. Provides for less available headloss than pressure facilities which can result in shorter filter run times. Shorter filter run times result in more backwashing which takes a filter out of service.

7.8.2 Building Layout/General Sequence

Gravity filter building layouts are included in Appendix F. The chemical rooms are located on the east side of the building, with exterior doors accessible for deliveries. The electrical, mechanical, high service pump room, and generator rooms are located in close proximity to each other to allow for short conduit runs to motor controls.

The gravity filter layout occurs on two levels to allow for filter height to provide head for the filtering process. The raw water enters the building through the high service pump room where chlorine and potassium permanganate are added. The water travels through the filters by gravity to the clearwell. The water travels from the clearwell to the high service pump chamber where it is pumped into the distribution system. Fluoride, chlorine, and phosphate will be added to the finished water.

7.8.3 Main Level

7.8.3.1 Chemical Rooms

Chemical rooms are clustered on the east side of the building with exterior doors to allow easy access for chemical deliveries. It is expected that chemical rooms will be required for chlorine gas, sodium permanganate, fluoride, phosphate, and possibly polymer to aid in backwash settling.

7.8.3.2 High Service Pump Room

The high service pump room contains the pumps that pump treated water from the clearwell into the distribution system. Because most of the electrical load is located in the high service pump room, it is in close proximity to the electrical room and generator room.

7.8.3.3 Electrical Room

The electrical room contains the motor control equipment and electrical panels. The location of this room in close proximity to the high service pump room, mechanical room, and generator room provide for short conduit and wire runs.

7.8.3.4 Mechanical Room

This room contains the make-up air, dehumidification, and HVAC equipment. The location of this room on an outside wall provides space for air louvers.

7.8.3.5 Blower Room

The blower room contains the filter backwash blower. The backwash blower provides air which is used to help clean the filter media during a backwash.

7.8.3.6 Office/Control Room/Lab

An office/control room/lab is provided for operators to have a SCADA computer to monitor and control the water system. A lab sink and desktop analyzer will be provided to allow operators to monitor water quality. The office is located in the front of the building next to the entrance, and has lots of windows for natural light.

7.8.3.7 Generator Room

A standby generator will be located in the generator room. The generator is capable of running the water treatment plant in the event of a power outage or possibly for peak shaving (peak shaving requires additional emissions compliance). The service entrance and automatic transfer switch are located in this room. Two exterior walls are provided for intake and exhaust louvers.

7.8.4 Upper Level

The upper level is depicted on the Upper Level Floor Plan in Appendix F. The upper level consists of filters and walkways. Windows will be provided in the filter room to allow for natural lighting. Walkways will be provided around the filters to allow the plant operator to inspect the operating conditions of the filters. Control panels (fixed or mobile) will be provided to allow the operators to manually initiate backwashes from the upper level.

7.8.5 Clearwell

A clearwell is located adjacent to the gravity filter treatment facility. The clearwell provides storage and operational flexibility (the box shown on Figure 1A in Appendix F represents 1 million gallons of underground storage). This storage is necessary to (1) maintain a volume of water for backwashing filter cells, (2) to provide the flexibility to treat water at a rate different than the raw water pumping rate, and (3) to provide additional storage for the distribution system.

To provide operational flexibility and to supplement system storage, a 1 million gallon clearwell is the minimum size recommended.

7.9 Treatment Alternative 2 – Pressure Filter Layout

7.9.1 General

In an iron and manganese pressure filtration system, water to be filtered is pumped directly to, and through, the facility's components under pressure. Oxidation occurs inside the pipelines and filter vessels upstream of the filter media. Following the oxidation process, the water flows through the filter vessels from top to bottom. As the water passes through the filter media, the insoluble particles of iron and manganese are removed from the flow.

As more and more water is filtered, the restriction to flow, created by the accumulation of iron and manganese solids on the media, steadily increases. In a pressure facility, this restriction to flow, called head, is measured in pounds per square inch (psi). As the solids accumulate, the headloss, or difference in pressures between the top and bottom sides of the filter media, increases. Due to the design and construction of pressure filters, headloss can be driven as high as 15 psi, although 5 to 6 psi is the preferred upper limit to ensure water quality.

The advantages to pressure filtration systems are:

1. The facilities tend to have less capital cost than gravity facilities.
2. Plants are typically constructed on one floor level.
3. Provide for greater available headloss than gravity facilities which can result in longer filter run times than a comparably sized gravity facility. Longer filter run times require less backwashing which keeps a filter in service longer.

The disadvantages to pressure filtration systems are:

1. Pressure filter systems have less ability to add additional treatment processes (aeration, detention) if regulations or water quality changes.
2. Closed from view and difficult to access internally. This prevents observation of the systems operation. Condition of the filter media and flow distribution during a backwash cycle cannot be readily monitored.
3. Pressure filters are constructed out of steel and require periodic blasting and painting.
4. Inspection of the pressure filters requires entry into a confined space which is a safety hazard.

7.9.2 Building Layout/General Sequence

Pressure filter building layouts are included in Appendix G. The chemical rooms are located on the east side of the building, with exterior doors accessible for deliveries. The electrical, mechanical, and generator rooms are located in close proximity to each other to allow for short conduit runs and motor controls.

The pressure filter layout occurs on one level. The raw water enters the building in pressure pipe and chlorine and permanganate are added. The water goes directly through the filters under pressure where the iron and manganese are removed. Fluoride, chlorine, and phosphate will be added to the finished water.

7.9.3 Main Level

7.9.3.1 Chemical Rooms

Chemical rooms are clustered on the east side of the building with exterior doors to allow easy access for chemical deliveries. It is expected that chemical rooms will be required for chlorine gas, sodium permanganate, fluoride, phosphate, and possibly polymer to aid in backwash settling.

7.9.3.2 Electrical Room

The electrical room contains the motor control equipment and electrical panels. The location of this room in close proximity to the mechanical room and generator room provide for short conduit and wire runs.

7.9.3.3 Mechanical Room

This room contains the make-up air, dehumidification, and HVAC equipment. The location of this room on an outside wall provides space for air louvers.

7.9.3.4 Blower Room

The blower room contains the filter backwash blower. The backwash blower provides air which is used to help clean the filter media during a backwash.

7.9.3.5 Office/Control Room/Lab

An office/control room/lab is provided for operators to have a SCADA computer to monitor and control the water system. A lab sink and desktop analyzer will be provided to allow operators to monitor water quality. The office is located in the front of the building next to the entrance, and has lots of windows for natural light.

7.9.3.6 Generator Room

A standby generator will be located in the generator room. The generator is capable of running the water treatment plant in the event of a power outage or possibly for peak shaving (peak shaving requires additional emissions compliance). The service entrance and automatic transfer switch are located in this room. Two exterior walls are provided for intake and exhaust louvers.

7.10 Backwash Alternatives

Sand filters (gravity and pressure) require periodic backwashing to remove solids from the filters. Backwashing one of the filters (either gravity or pressure) will consume between 40,000 and 70,000 gallons of water. After a backwash, the solids are allowed to settle and the clear water is recycled back to the filters. This can be done with backwash tanks or lamella plate settlers as discussed below.

7.10.1 Backwash Alternative 1 – Backwash Tanks

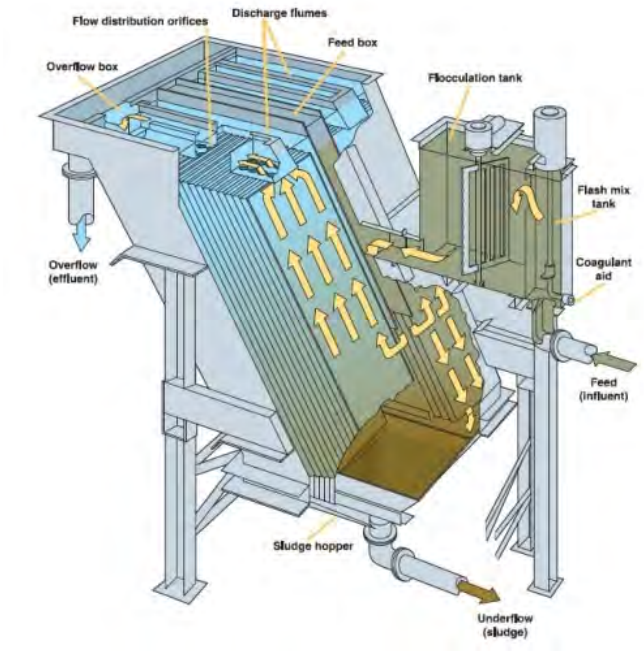
Backwash tanks simply involve discharging the backwash water to a tank where the water is allowed to settle for a period of time (typically 8 hours). Clear water is decanted from the backwash tank and recycled to the beginning of the treatment process. A backwash polymer may be utilized to increase settling efficiency.

To allow for more than one filter to be backwashed in one day, multiple backwash tanks are required. To provide for efficient operation, three backwash tanks are recommended.

7.10.2 Backwash Alternative 2 – Lamella Plate Settlers

Lamella settling is a process that receives continuous flow from the backwash tank, and provides high rate thickening of the sludge, and reclaims decanted clear water to the beginning of the treatment train. High rate inclined plate settlers typically thicken backwash sludge to approximately 0.5 to 1.5% solids prior to discharging to either a sludge storage tank for further thickening, or directly to the sanitary sewer.

Backwash waste water is pumped from the backwash tank directly into the gravity settler, alleviating settling time. A coagulant is added immediately, as the water flows through a flash mixer and into a flocculation tank. The coagulated sludge then flows into a series of inclined plates, the surfaces which collect the sludge and direct it to a sludge hopper. The clear effluent flows out the overflow and is recycled to the raw water. The inclined orientation of the plates allows for more surface area for the solids to settle upon, while limiting the total space taken up by the equipment.



As with treatment process equipment in general, redundancy is recommended so that in the event that one lamella settler is down, settling operations can continue seamlessly. Therefore, one single lamella settler is not recommended.

7.10.3 Backwash Alternative Comparison

The advantages of lamella plate settlers is that they do not require settling time prior to recycling the backwash water. This eliminates the need for batch processing of backwash water from backwash tanks and provide significant operational flexibility. Backwash tanks can dictate when and if a filter can be backwashed.

Lamella plate settlers waste between 60 and 900 gallons per million gallons of water treated, depending upon whether a sludge holding tank is utilized. Backwash tanks waste between 750 and 5,000 gallons of water per million gallons of water treated.

Because lamella plate settlers provide significantly more operational flexibility and waste less water, lamella plate settlers are recommended for Ramsey.

8 Architectural Design

The City of Ramsey's goal for the water treatment facility is to provide a building that fits with adjacent structures, includes cost effective sustainable design features, is operator friendly, and provides a civic presence to the public.

The water treatment functions of the building will be constructed of poured in-place concrete foundations with masonry, brick, and stone façade. A glass atrium is proposed as an architectural feature and to provide additional natural light. Architectural features from adjacent structures will be incorporated into the design.

For walls that are less visible to the public, cost-effective insulated load bearing precast wall panels will be use. The roof will be constructed of precast concrete double 'T's for the roof structure of the filter room which allows for a greater clear spans and more daylighting.

Sustainable architectural features will include natural daylighting throughout including the filter room, low maintenance poured-in-place and plant precast concrete structure and wall panels, building insulation which surpasses the current energy code. Rain gardens and low maintenance landscaping features can be included in the site design.

An architectural rendering that further demonstrates the design concept for the Fire Station Site is included in Appendix H. If the water treatment plant is constructed elsewhere the architectural treatments will be modified to fit with the adjacent structures.

9 Utility Space Needs Evaluation

City staff was solicited for additional space needs and features in the water treatment plant building in addition to the necessary filters and process rooms. The additional features requested in the building included a training room, and a separate laboratory. An optional 8,000 square foot garage is also included in some of the building layouts.

10 Water Treatment Plant Site Alternatives and Evaluation

Four alternatives for a new water treatment plant site were provided by the City. These alternatives include the Fire Station Site, Public Works Site, Water Shop Site, and Vacant City Property Site. These sites are shown on Figure 1 in Appendix I and are discussed below.

The watermain costs in the following sections assume that watermain is primarily installed within public utility easements, City-owned properties, or in County/City right-of-way next to roads, either in the boulevard or under paved trails.

The costs shown in this section are for purposes of comparing alternatives and do not contain contingency or indirect costs. The costs for the selected alternative are incorporated into the overall project costs presented in Section 12 where contingency and indirect costs are added.

10.1 Fire Station Site

The Fire Station Site is currently private property and would need to be acquired by the City. It was determined that a 3.2-acre site would be sufficient for the water treatment plant and a future

expansion to 20 MGD. Portions of the water treatment plant would be constructed on the existing City-owned Fire Station property. A water treatment plant layout for the Fire Station Site is shown on Figure 4 in Appendix I.

10.1.1 Raw Watermain and Costs – Fire Station Site

The raw watermain required to construct a water treatment plant at the Fire Station Site is shown on Figure 2 in Appendix I. The water main and site acquisition costs are included in Table 12. Because the Fire Station Site is remote from other City garage facilities, it is assumed that a water treatment plant garage is needed.

Table 12 – Fire Station Site Costs

Item	Unit	Est. Quantity	Unit Price	Cost[1]
24" Raw Watermain	LF	3950	$230	$908,500
24" Road Crossing (Armstrong and Bunker Lake Blvd) - Jacked Casing	LF	400	$525	$210,000
16" Raw Watermain (Bunker Lake Blvd) - Jacked Casing	LF	100	$425	$42,500
12" Raw Watermain	LF	1850	$125	$231,250
Land Purchase	LS	1	$750,000	$750,000
Garage	LS	1	$1,450,000	$1,450,000
			Total	**$3,592,250**

[1] Costs are for comparison of alternatives and are not meant to represent the full project costs.

10.2 Public Work Site

The City is in the process of constructing a new Public Works Facility on a 19.9-acre parcel shown on Figure 1 in Appendix I. The proposed water treatment plant site is a 3.5-acre portion in the northeast corner of the Public Works Site. The northwest corner of the Public Works Site will remain available for other uses or development as it offers the best visibility and has access to both 143rd Avenue and Jasper Street. In addition, constructing the water treatment plant in the northeast corner of the Public Works Site will allow the City to control access to the existing cemetery on the site. A water treatment plant layout for the Public Works Site is shown on Figure 5 in Appendix I.

10.2.1 Raw and Finished Watermain Costs – Public Works Site

The raw and finished watermain required to construct a water treatment plant at the Public Works Site is shown on Figure 3 in Appendix I. The watermain costs are included in Table 13. Because a new Public Works building is being constructed on the Public Work Site, it is assumed that a new garage is not needed with the water treatment plant.

Table 13 – Public Works Site Costs

Item	Unit	Est. Quantity	Unit Price	Cost[1]
24" Raw Watermain	LF	7300	$230	$1,679,000
24" Road Crossing (Ramsey Blvd and Bunker Lake Blvd) - Jacked Casing	LF	400	$525	$210,000
24" Finished Watermain	LF	3800	$230	$874,000
20" Raw Watermain	LF	1300	$185	$240,500
16" Raw Watermain	LF	1750	$165	$288,750
16" Raw Watermain (Armstrong Blvd) - Jacked Casing	LF	100	$425	$42,500
Well 8 Meter Vault	LS	1	$90,000	$90,000
			Total	**$3,424,750**

[1] Costs are for comparison of alternatives and are not meant to represent the full project costs.

10.3 Water Shop Site

The Water Shop Site for the water treatment plant is City-owned property on the west side of Jasper Street, across the street from the new Public Works Facility. The water treatment plant would require approximately 3.5 acres of land. The current City water operations shop is located on this site. Construction of the water treatment plant on the Water Shop Site would require demolition of the existing water operations shop and abandonment of 142nd Ave NW. A water treatment plant layout for the Water Shop Site is shown on Figure 6 in Appendix I.

10.3.1 Raw and Finished Watermain Costs – Water Shop Site

The raw and finished watermain required to construct a water treatment plant at the Water Shop Site is shown on Figure 3 in Appendix I. The water main costs are included in Table 14. Because a new Public Works building is being constructed across the street from the Water Shop Site, it is assumed that a new garage is not needed with the water treatment plant. Costs to demolish the existing water operations shop are not included in Table 14.

Table 14 – Water Shop Site Costs

Item	Unit	Est. Quantity	Unit Price	Cost[1]
24" Raw Watermain	LF	8627	$230	$1,984,210
24" Road Crossing (Ramsey Blvd and Bunker Lake Blvd) - Jacked Casing	LF	400	$525	$210,000
24" Finished Watermain	LF	3800	$230	$874,000
20" Raw Watermain	LF	1300	$185	$240,500
16" Raw Watermain	LF	1750	$165	$288,750
16" Raw Watermain (Armstrong Blvd) - Jacked Casing	LF	100	$425	$42,500
Well 8 Meter Vault	LS	1	$90,000	$90,000
			Total	**$3,729,960**

[1] Costs are for comparison of alternatives and are not meant to represent the full project costs.

10.4 Vacant City Property Site

The City owns a vacant 4.1-acre parcel located on the east side of Ramsey Blvd NW, west of the Public Works Site shown on Figure 1 in Appendix I. The 4.1-acre parcel would be sufficient to construct Ramsey's water treatment plant. A water treatment plant layout for the Vacant City Property Site is shown on Figure 7 in Appendix I.

10.4.1 Raw and Finished Watermain Costs – Vacant City Property Site

The raw and finished watermain required to construct a water treatment plant at the Vacant City Property Site is shown on Figure 3 in Appendix I. The water main and garage costs are included in Table 15. Because the Vacant City Property Site is not on or adjacent to the new Public Works Site, it is assumed that a garage is needed.

Table 15 – Vacant City Property Site Costs

Item	Unit	Est. Quantity	Unit Price	Cost[1]
24" Raw Watermain	LF	9288	$230	$2,136,240
24" Road Crossing (Ramsey Blvd and Bunker Lake Blvd) - Jacked Casing	LF	400	$525	$210,000
24" Finished Watermain	LF	3800	$230	$874,000
20" Raw Watermain	LF	1300	$185	$240,500
16" Raw Watermain	LF	1750	$165	$288,750
16" Raw Watermain (Armstrong Blvd) - Jacked Casing	LF	100	$425	$42,500
Well 8 Meter Vault	LS	1	$90,000	$90,000
Garage	LS	1	$1,450,000	$1,450,000
			Total	**$5,331,990**

[1] Costs are for comparison of alternatives and are not meant to represent the full project costs.

10.5 Water Treatment Plant Site Evaluation and Recommendation

The City had previously planned to locate a surface water treatment plant at the Fire Station site. Some of the raw watermain is in place and it is convenient for metering Well 8. However, the Fire Station site is remote from other Public Works facilities, would have operational inefficiencies, and would require building a garage. The Fire Station site would also require the City to purchase land. Due to the construction of the garage and purchasing land, the Fire Station site is more expensive than the Public Works site.

The Public Works site requires more new raw and finished watermain than the Fire Station site, but because it is on the site of the Public Works Facility that is currently under construction it would not require a garage and could share an emergency generator and security infrastructure with the Public Works Facility. Having multiple public works facilities on the same site also increases operational efficiencies. The Public Works Site is already owned by the City and doesn't require the purchase of private property. If a garage is not included with the water treatment plant, the Public Works Site is the least expensive option.

The Water Shop site requires more new raw and finished watermain than the Fire Station or Public Works sites. It also requires that the existing water operations shop be demolished and 142nd Ave NW be removed and abandoned. Because it is adjacent to the Public Works Site, a garage would not be necessary at the Water Shop Site. Due to the additional watermain and a reduced ability to share an emergency generator and security infrastructure, the Water Shop site is more expensive than the Public Works Site.

The Vacant City Property Site requires more new finished and raw watermain than the Water Shop Site, and more yet than the Public Works Site. In addition, the Vacant Property Site doesn't offer the ability to share an emergency generator or security infrastructure as the Public Works Site does, and doesn't offer operational efficiencies. A garage would also be necessary. The Vacant City Property Site is the most expensive of the four sites evaluated.

Table 16 – Alternate Site Cost Comparison

Alternate WTP Sites Considered	Cost[1]
Fire Station Site	$3,592,250
Public Works Site	$3,424,750
Water Shop Site	$3,729,960
Vacant Property Site	$5,331,990

[1] Costs are for comparison of alternatives and are not meant to represent full project costs.

In January of 2020, the City of Ramsey's Planning Commission, Economic Development Authority, and Public Works Committee all voted unanimously to recommend City Council approval to construct the water treatment plant on the Public Works site. Stall also recommends the Public Works Site because it offers the least expensive overall construction cost, and also offers the greatest operational efficiencies, which in turn will reduce future operational costs.

11 Impacts to Nearby Properties

The water treatment plant is proposed to be constructed on the new Public Works Site as shown on Figure 5 in Appendix I. The Public Works site is in an industrial area of Ramsey and will already be used for a municipal public works building. Opposition from the neighboring properties to a new water treatment plant is not anticipated.

Water treatment plants are quiet neighbors with relatively little traffic. A standby generator will be part of the water treatment plant project, but it is proposed to be located inside the building and will have sound attenuation. Sound complaints from neighbors are not anticipated.

The operators will visit the plant daily and chemical deliveries will likely be made approximately once per week. Construction complaints are not expected since the water treatment plant is in an industrial neighborhood.

12 Capital Cost Opinions

Feasibility level opinions of probable cost (OPC) broken down by construction category were prepared for the gravity and pressure filtration alternatives. A breakdown of these costs by

division are included in Appendix J. Tables 17 and 18 present the capital costs for the gravity and pressure filter treatment plants.

Table 17 – Capital Cost Opinion Summary
Gravity Filter Water Treatment Plant

Item	Cost
Water Treatment Plant:	$26,060,000
Construction Contingency (10%):	$2,606,000
Preliminary Construction Cost:	**$28,670,000**
Engineering/Construction Admin (12%)	$3,440,000
Legal/Admin (1%)	$287,000
Total Estimated Project Cost:	**$32,400,000**

Table 18 – Capital Cost Opinion Summary
Pressure Filter Water Treatment Plant

Item	Cost
Water Treatment Plant:	$24,766,000
Construction Contingency (10%):	$2,477,000
Preliminary Construction Cost:	**$27,240,000**
Engineering/Construction Admin (12%)	$3,268,800
Legal/Admin (1%)	$272,000
Total Estimated Project Cost:	**$30,780,000**

An optional 8,000 square foot garage could be added to either water treatment plant alternative for a project cost of approximately $1.64 million.

13 Life Cycle Cost Opinions

Life cycle costs represent the total cost of owning the treatment plants for 50 years and include capital cost, equipment replacement, labor, gas, chemicals, insurance, electricity, and annual equipment repair. Detailed life cycle cost tables are included in Appendix K.

The life cycle costs presented in Table 19 and Table 20 assume a 20-year financing period on the capital costs with 2% interest rates and 2.75% inflation.

Operating the water treatment plant is not anticipated to require additional Staff. While Staff will need to visit the plant on a daily basis to operate and maintain it, this time will generally be offset by the time Staff currently spends operating and maintaining the six municipal wells and three pump houses within The COR.

Table 19 – 50-Year Life Cycle Cost Summary
Gravity Filter Water Treatment Plant

Item	50-Year Life Cycle Cost	Annual Cost
Capital Project Costs	$32,400,000	$1,981,478
Equipment Replacement	$9,694,858	$308,522
Labor	$6,488,398	$110,000
Gas	$1,179,709	$20,000
Chemicals	$6,488,398	$110,000
Insurance	$1,769,563	$30,000
Electricity	$6,783,325	$115,000
Equipment Repair	$7,078,253	$120,000
Total 50 Year Life Cycle Cost	**$71,880,000**	

Table 20 – 50-Year Life Cycle Cost Summary
Pressure Filter Water Treatment Plant

Item	50-Year Life Cycle Cost	Annual Cost
Capital Project Costs	$30,780,000	$1,882,404
Equipment Replacement	$13,985,687	$445,069
Labor	$6,488,398	$110,000
Gas	$1,179,709	$20,000
Chemicals	$6,488,398	$110,000
Insurance	$589,854	$10,000
Electricity	$6,193,471	$105,000
Equipment Repair	$9,732,597	$165,000
Total 50 Year Life Cycle Cost	**$75,440,000**	

14 Alternative Evaluation & Recommendation

The two options for removing manganese from Ramsey's drinking water that have been evaluated include gravity filters and pressure filters.

The capital cost of the pressure filter treatment plant is slightly less than the gravity filter treatment plant ($30.8 million versus $32.4 million). However, the life cycle cost of the pressure filter treatment plant is more than the gravity filter treatment plant ($75.4 million versus $71.9 million). The pressure filter treatment plant has a higher life cycle cost due to the expense of painting and maintaining the steel filters; whereas concrete gravity filters require very little maintenance.

In addition to having lower life cycle costs, gravity filters have other advantages over pressure filters including:

- Gravity filters provide for more treatment options including aeration and detention without requiring another pumping step. If regulations change or the water becomes contaminated, additional treatment steps can more easily be added to gravity filters.
- Water from the gravity filters does not go immediately into the distribution system. If problems with the filters occur or if sodium permanganate is overfed (causing pink water), operators have time to react and correct the problem.
- Gravity filters are open to view and access. This enhances the observation, operation and maintenance of the filter functions and components.
- Gravity filtration systems have a greater amount of flexibility with less disruption during normal maintenance procedures.
- Gravity filters could potentially be converted from groundwater to surface water in the future if it became necessary.

A gravity filter treatment plant is the recommended alternative due to the advantages it offers at a comparable construction cost and reduced life-cycle cost.

15 Funding

Water treatment plant projects are commonly funded using general obligation bonds or loans and paid for using water rates. The following sections describe a low interest loan program and example grants opportunities. Another option would be to request bonding through the State.

15.1 Drinking Water Revolving Fund Loan

The Minnesota Drinking Water Revolving Fund (DWRF) loan program provides low interest loans to communities that qualify. DWRF loans typically have interest rates that are lower than other loans or bonds available to communities.

To qualify for a drinking water revolving fund loan, a proposal is written to place the project on the Project Priority List (PPL). The PPL ranks projects by factors including the type of project, a community's financial need, and primary contaminant exceedances. Once a City has a project on the PPL and intends to proceed with construction, the project is placed on the Intended Use Plan (IUP). Projects on the IUP are funded based upon their ranking. Not all projects on the IUP are funded.

Based upon Ramsey's financial status discussed in Section 16, the DWRF program may not be desirable based upon the fact that the City could likely receive a lower interest rate on its own, and due to the administrative requirements and loan restrictions.

15.2 Grants

Grants are available for some water projects but are most commonly given to communities that have a financial hardship. The City of Ramsey would likely not qualify.

One potential grant program that is not tied to financial need is the Clean Water Fund Grant administered through the Minnesota Board of Water and Soil Resources. Clean Water funds may only be spent to protect, enhance, and restore water quality in lakes, rivers, and streams and to protect groundwater from degradation. A total of $2,158,000 in grants was

awarded in FY2020 for 10 projects related to source water protection. All of the recipient organizations were counties, watershed districts, or conservation districts.

A smaller grant opportunity through the Clean Water Fund is a Source Water Protection grant that is administered through the Minnesota Department of Health. A Source Water Protection Grant is typically tied to a goal in a Community's Wellhead Protection Plan. A Source Water Protection Grant has a maximum value of $10,000.

16 Effect on Water Rates

The City of Ramsey currently has a minimum quarterly water rate of $42.15. This rate covers the first 15,000 gallons of water used per quarter. After the first 15,000, the cost per 1,000 of water used gets progressively more expensive. This is referred to as a conservation water rate because it discourages the use of more water.

According to the Ramsey Finance Director, the City of Ramsey has approximately $25 million set aside for a water treatment plant project, which was collected from Municipal water users for this specific purpose. The City of Ramsey currently raises its water rates 2.5% per year. If the City were to bond for the remainder of the water treatment plant project costs, the City would need to explore water rate impacts. For instance, if water rates were raised at a rate of 5% per year for 4 years, the resulting minimum quarterly rate in 2025 would be $51.23. This could also pay for additional operation and maintenance costs.

17 Public Involvement

Having informed and engaged residents is important to the success of a major municipal project. To engage residents, the following public involvement activities are recommended:

- Publish information describing the water issues and proposed water treatment plant project on the City's website in March 2020, and in the March-April edition of the Ramsey Resident.
- Send information mailers to residents in March 2020 describing the water issues and proposed water treatment plant project. Consider including discussion about municipal scale water softening, the respective costs to the public, and the fact that many people already own in-home water softeners.

18 Schedule

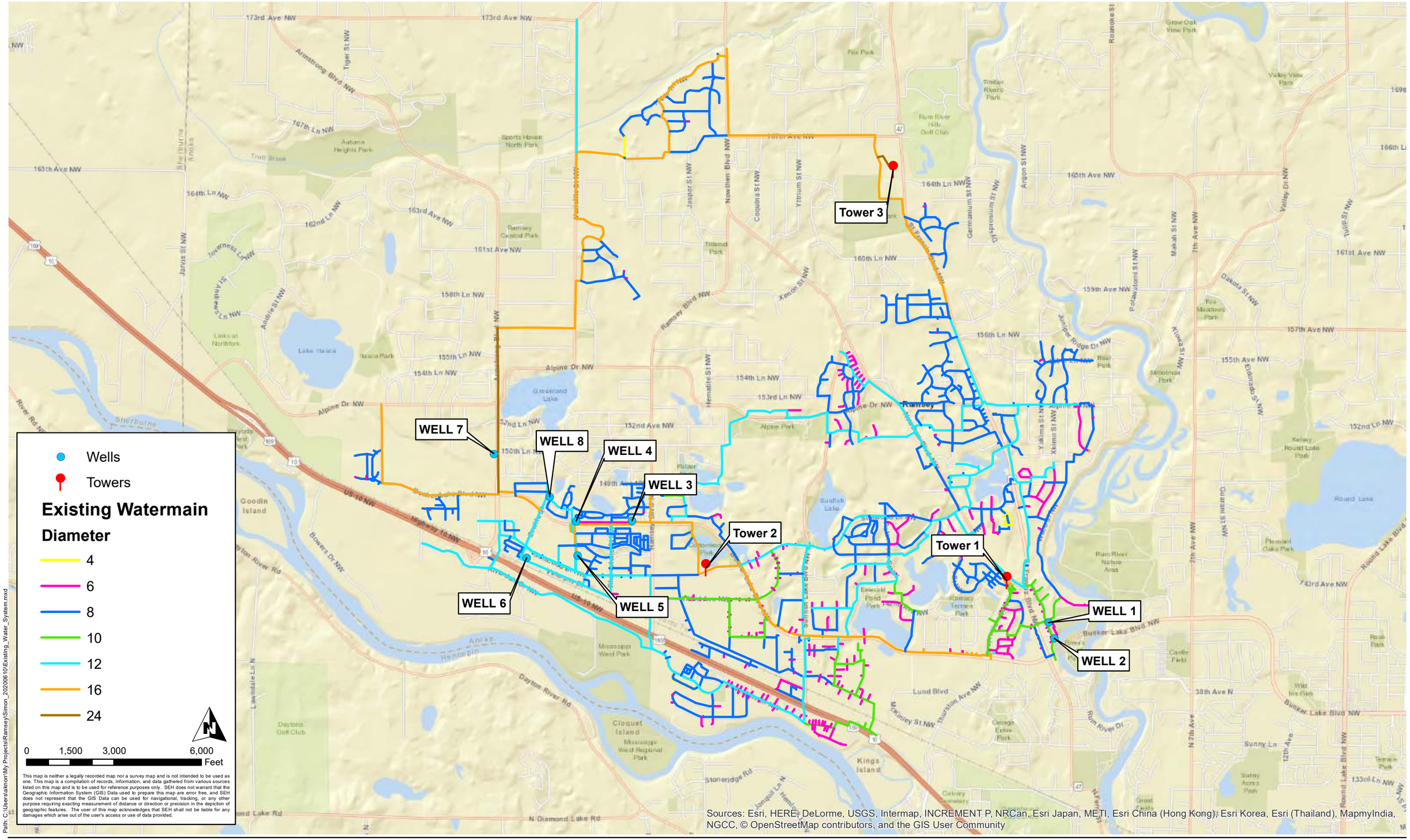
If the City elects to proceed with a water treatment plant project, the proposed project schedule could be as follows:

Item	Completion Date
Public Involvement	March 2021 – April 2021
Preparation of Plans	May 2021 – September 2021
Ad for Bid	October 2021
Bid Opening	November 2021
Construction Start	December 2021
Construction Complete	June 2023

However, Anoka County is planning “interim” improvements to Bunker Lake Boulevard between Armstrong Boulevard and Sunfish Lake Boulevard in 2021 to improve operations and safety in anticipation of traffic volumes doubling while planned improvements to Highway 10 are constructed between 2022 and 2025. Therefore, to construct the raw and finished watermain associated with the water treatment plant project as cost-effectively as possible, plans and specifications for the raw and finished watermain improvements are recommended to be prepared and bid in conjunction with Anoka County’s proposed improvements to Bunker Lake Boulevard.

Appendix A

Existing Water System Map



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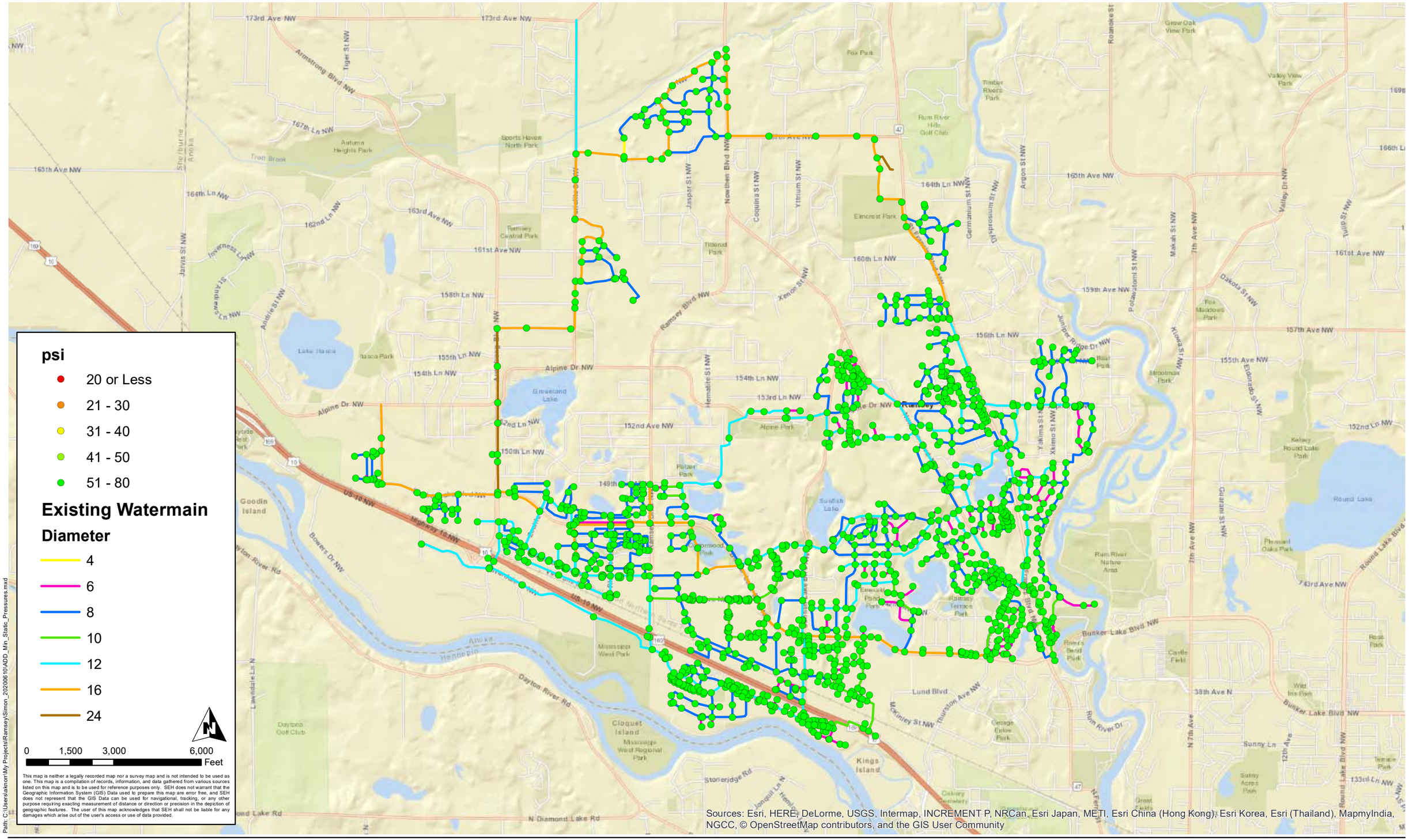
Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING WATER SYSTEM
Ramsey, Minnesota

FIGURE 1
Existing Water System

Appendix B

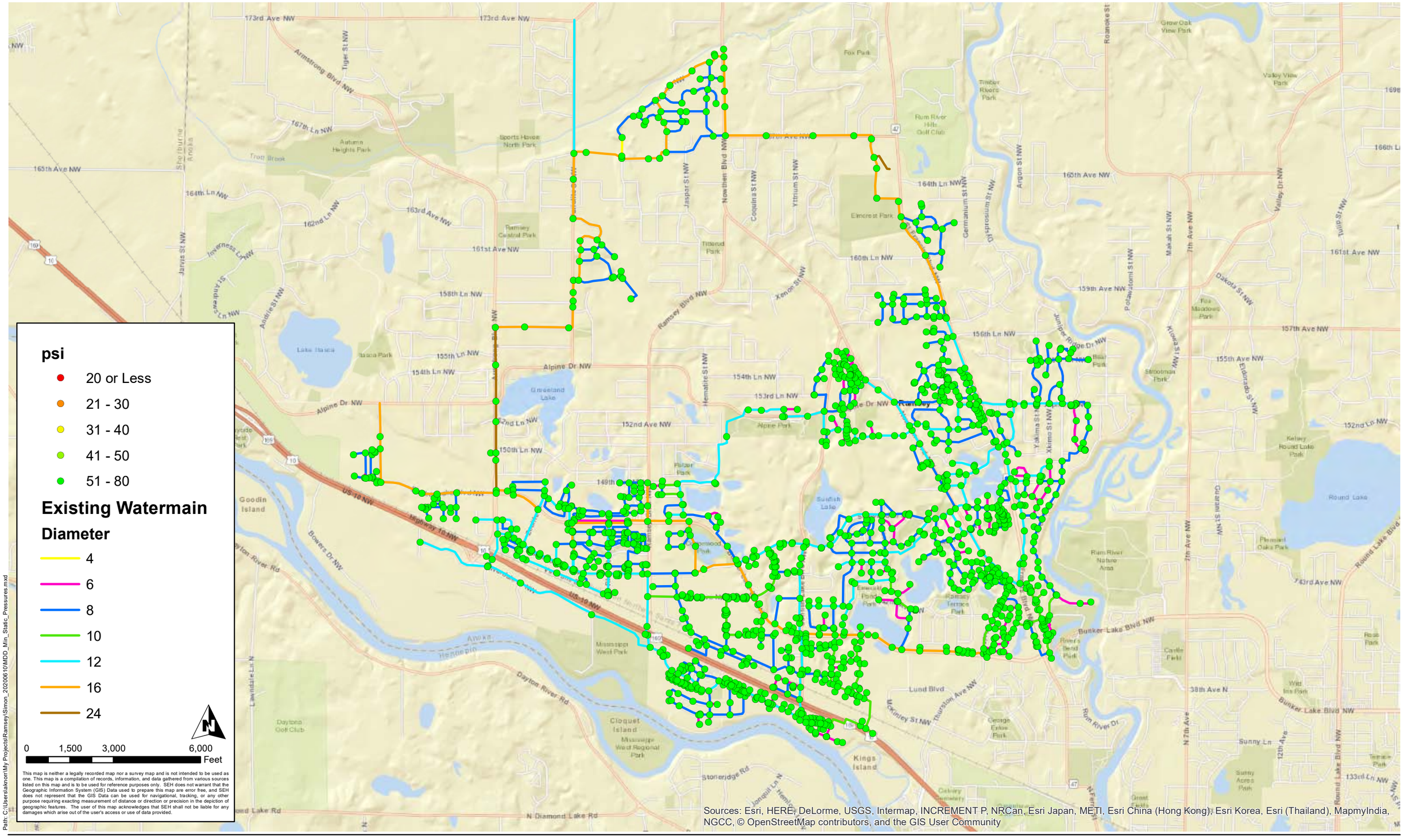
Modeling



Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING ADD STATIC PRESSURE
Ramsey, Minnesota

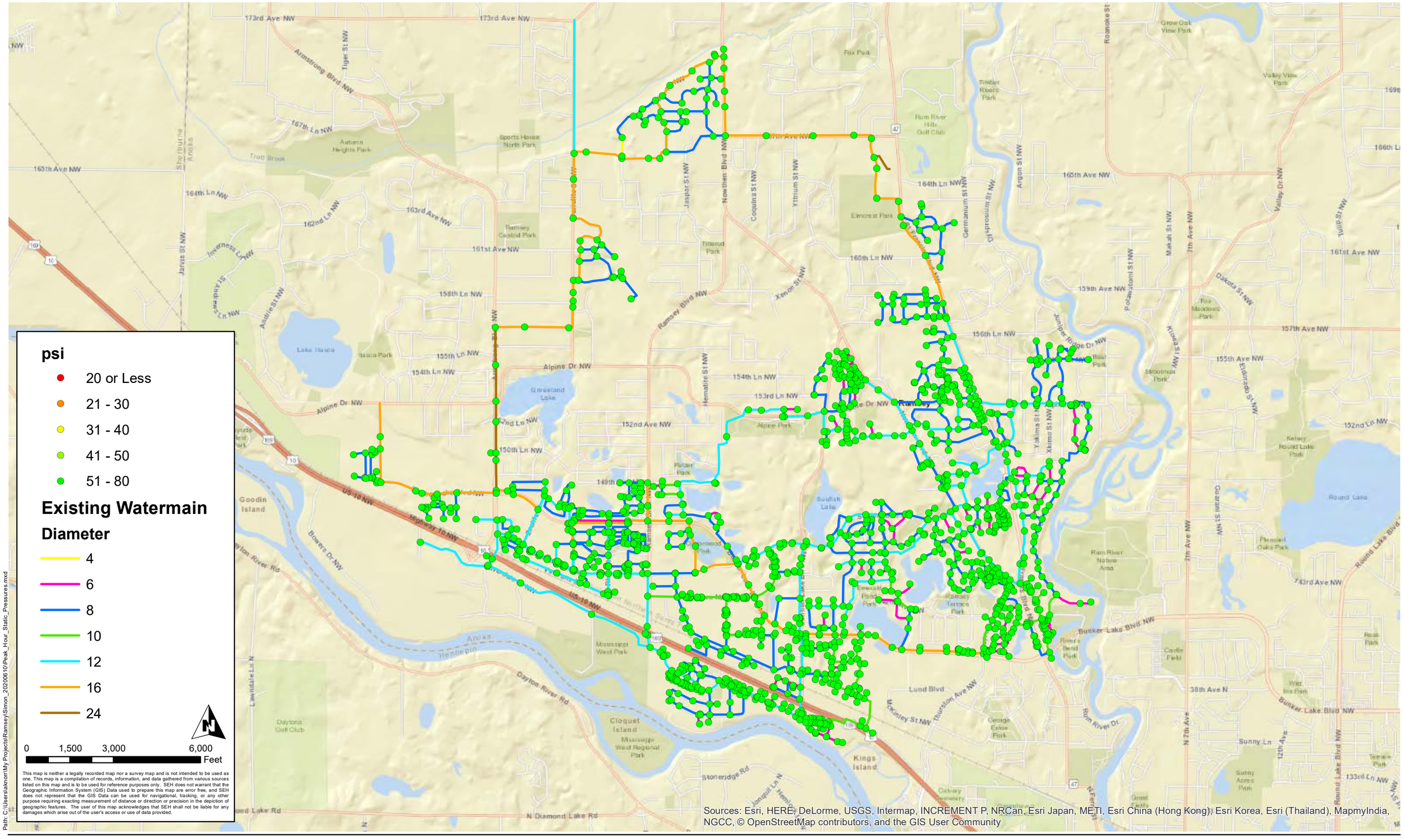
FIGURE 1
Minimum Pressures



Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING MDD STATIC PRESSURE
Ramsey, Minnesota

FIGURE 2
Minimum Pressures



Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING PEAK HOUR STATIC PRESSURE
Ramsey, Minnesota

FIGURE 3
Minimum Pressures

FIGURE 4

Existing System ADD 24-Hour Simulation

Well and Tower Operation

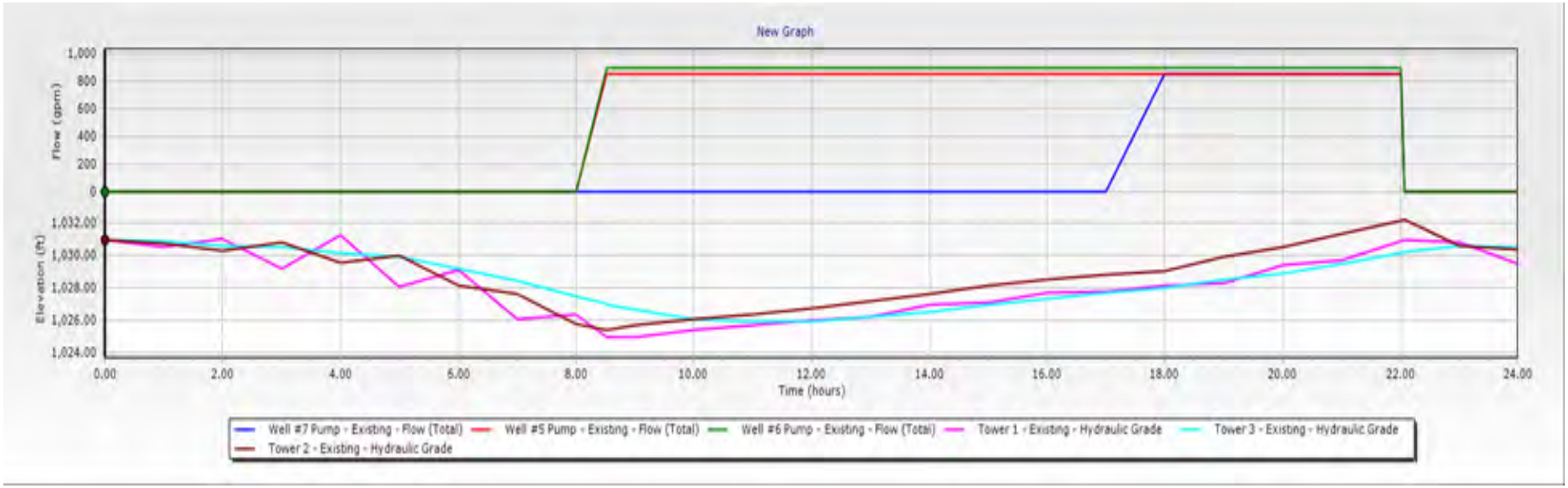
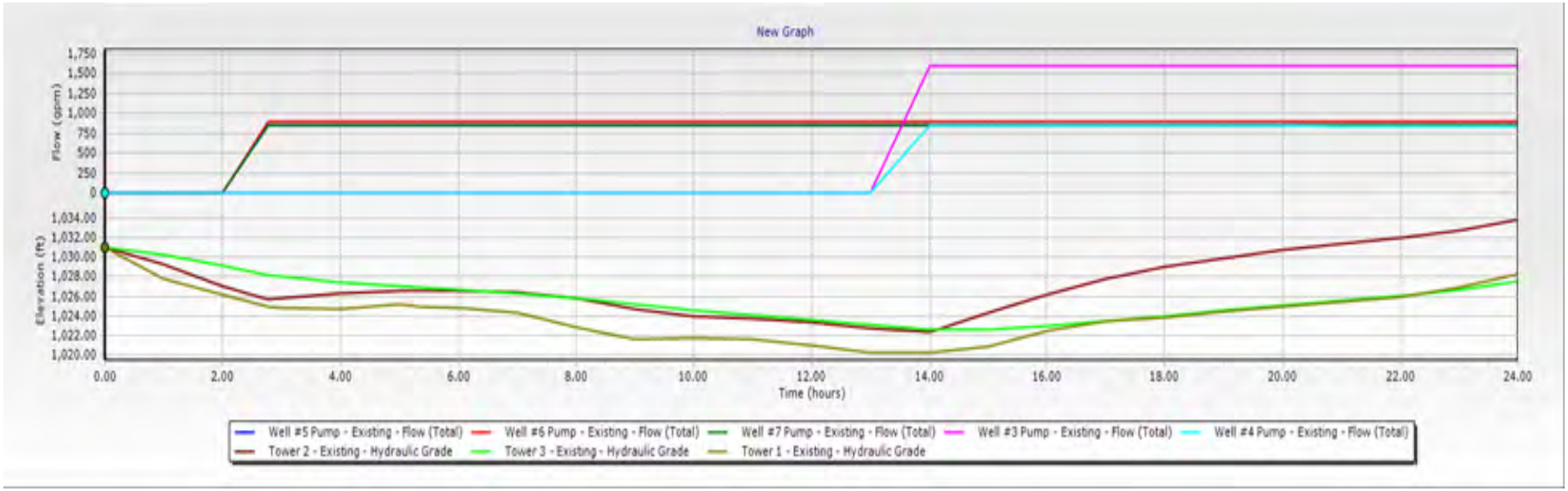
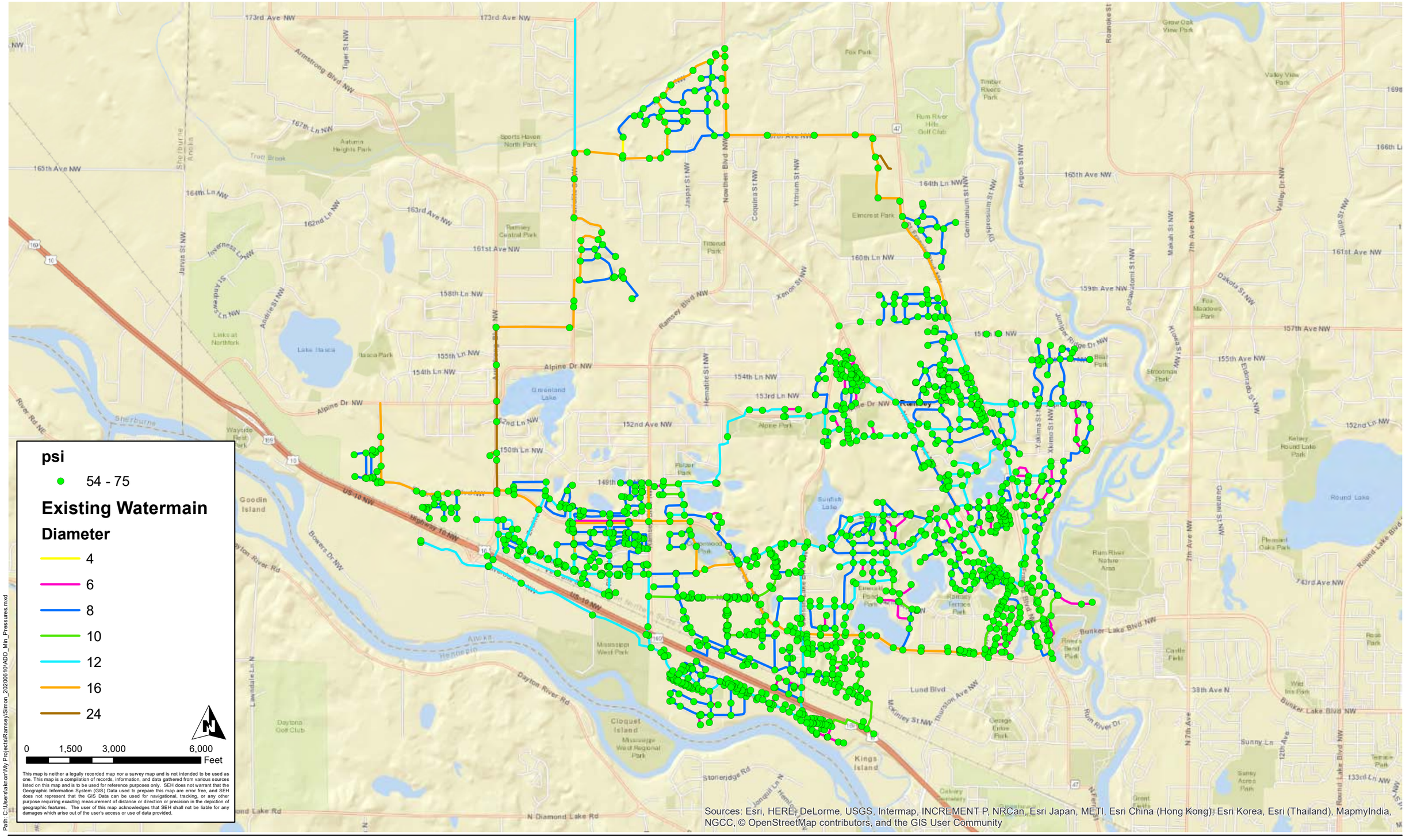


FIGURE 5

Existing System MDD 24-Hour Simulation

Well and Tower Operation

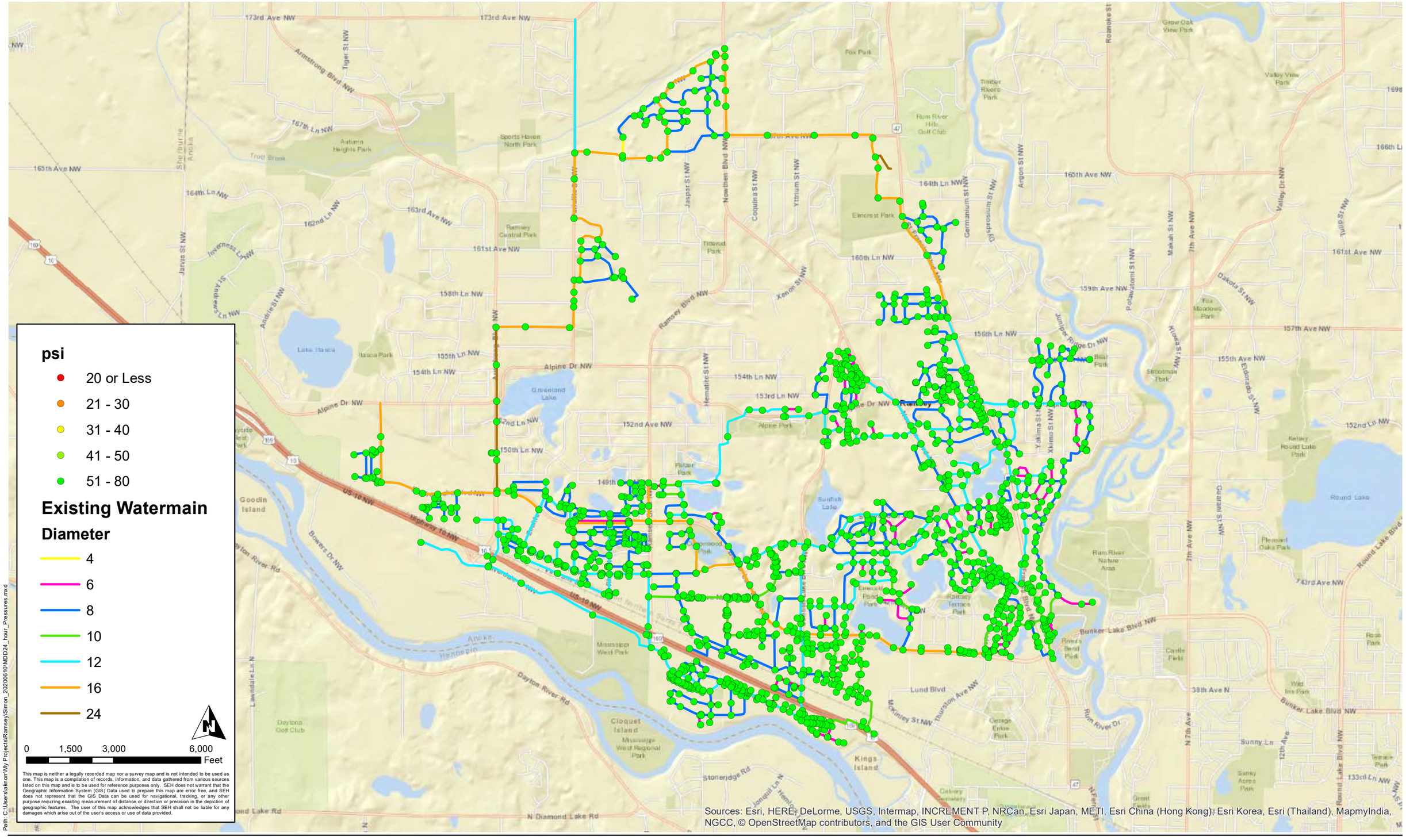




Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING ADD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

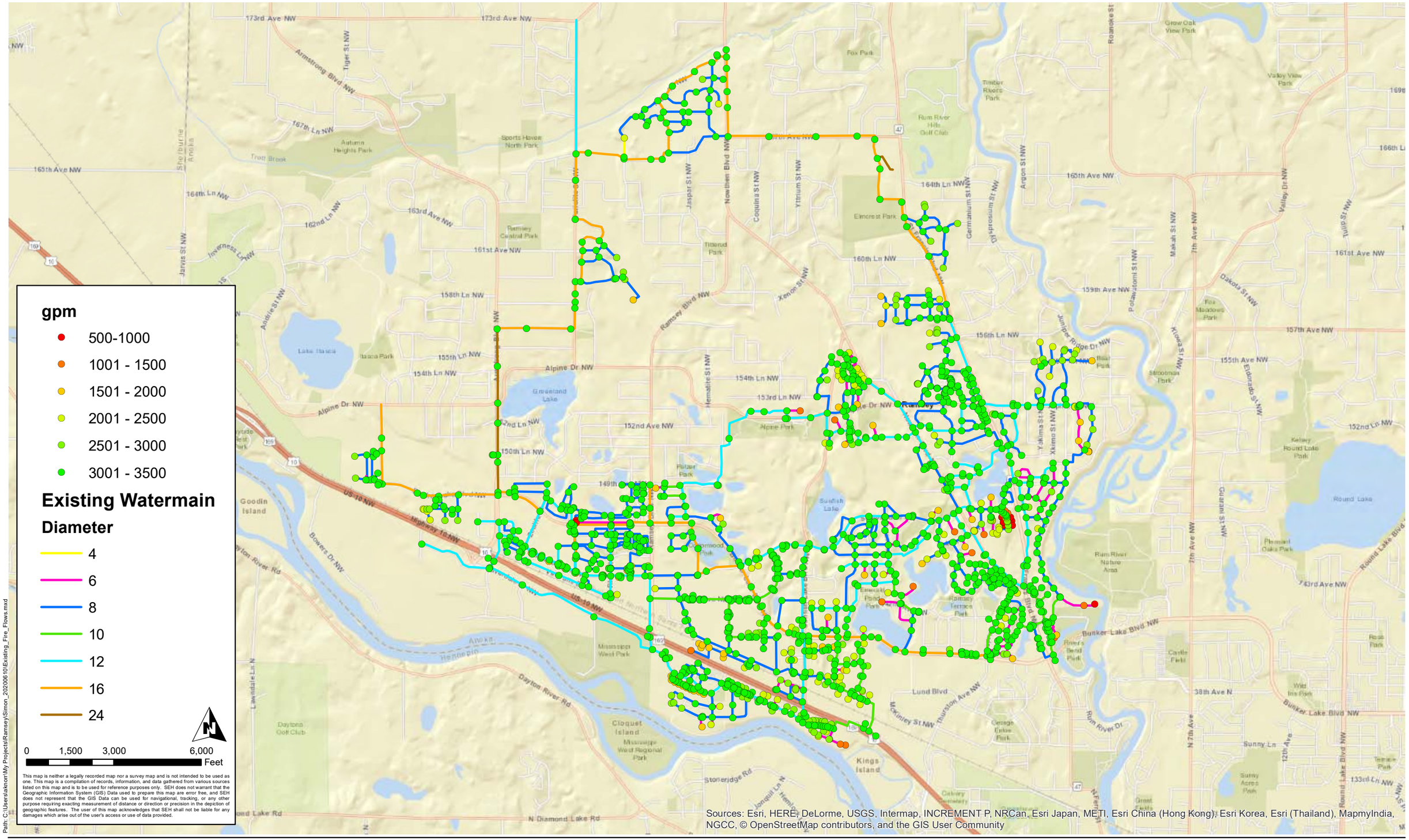
FIGURE 6
Minimum Pressures



Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING MDD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

FIGURE 7
Minimum Pressures



Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

EXISTING AVAILABLE FIRE FLOWS
Ramsey, Minnesota

FIGURE 8
Available Fire Flows

FIGURE 9

Existing System with Treatment Plant ADD 24-Hour Simulation

High Service Pump and Tower Operation

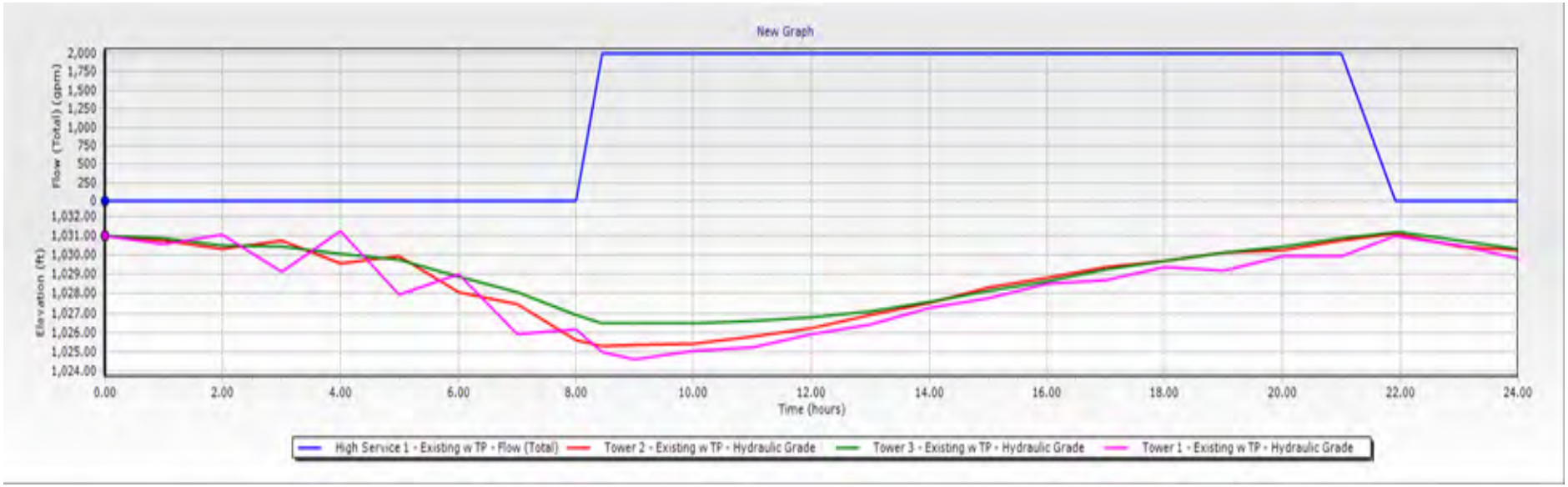
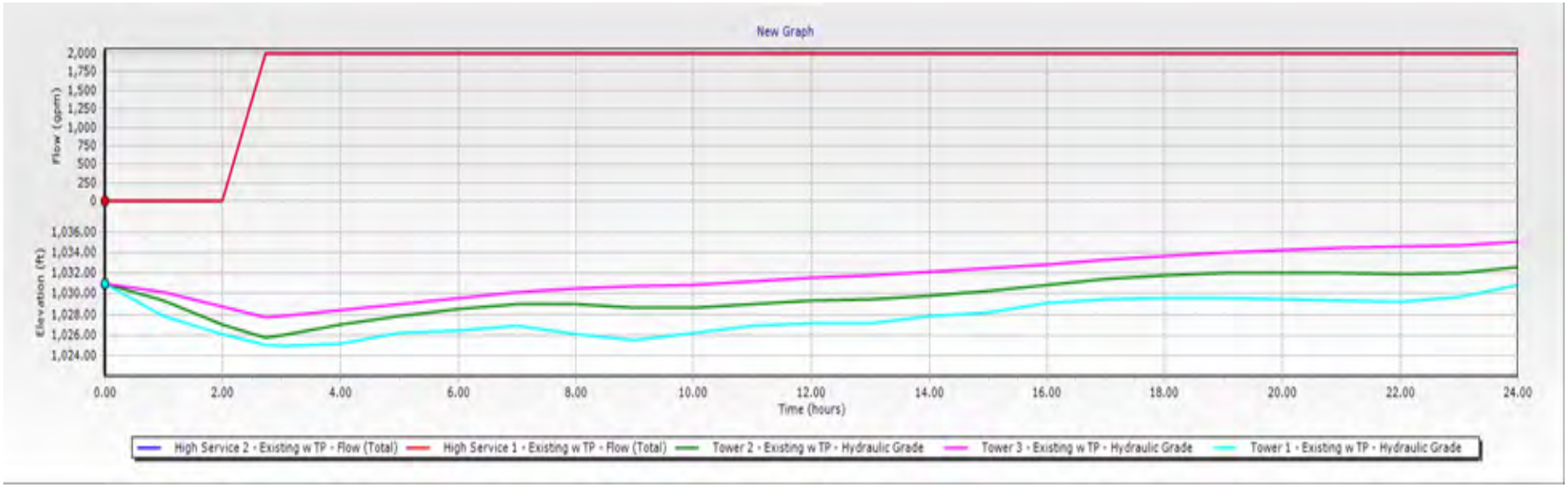
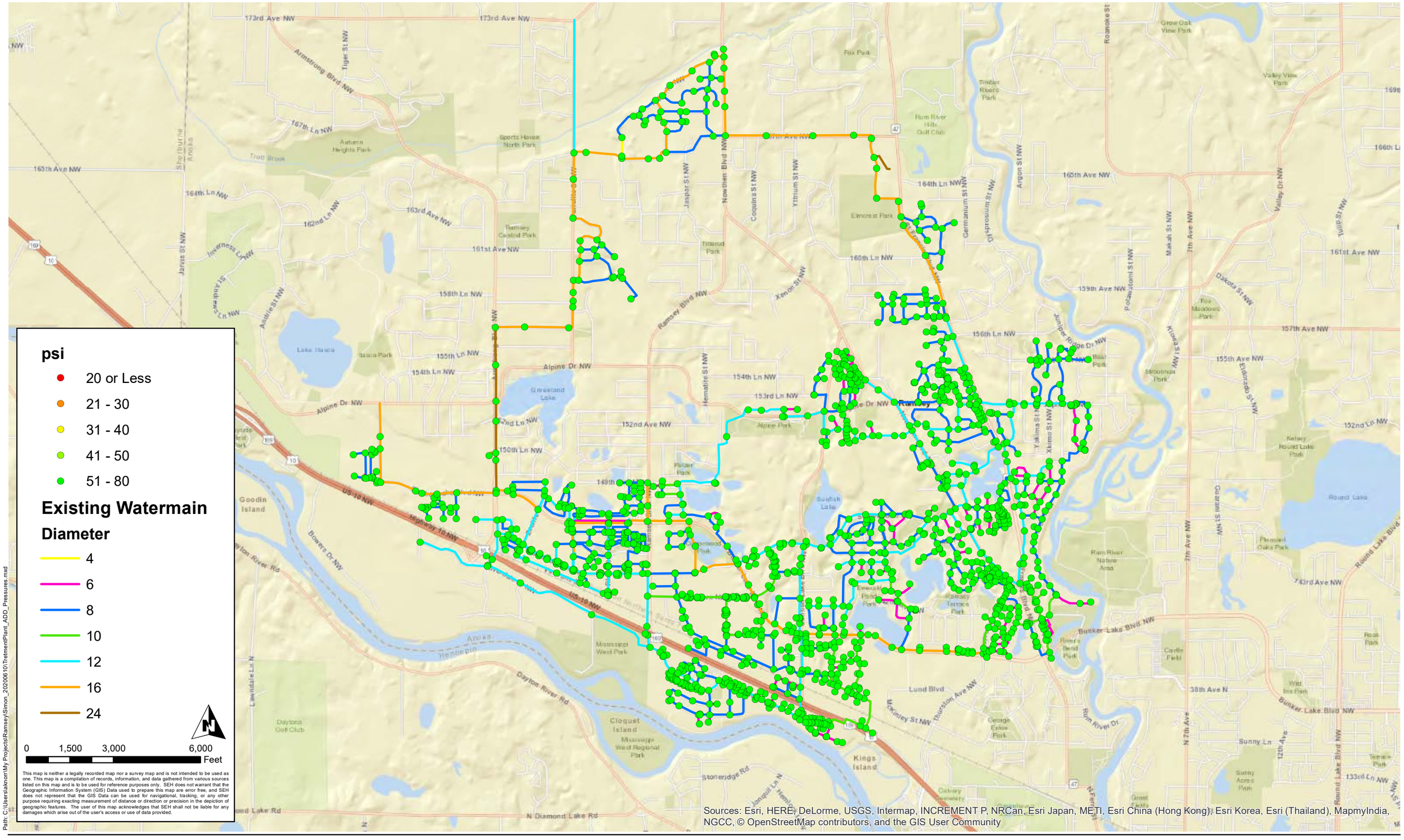


FIGURE 10

Existing System with Treatment Plan MDD 24-Hour Simulation

High Service Pump and Tower Operation

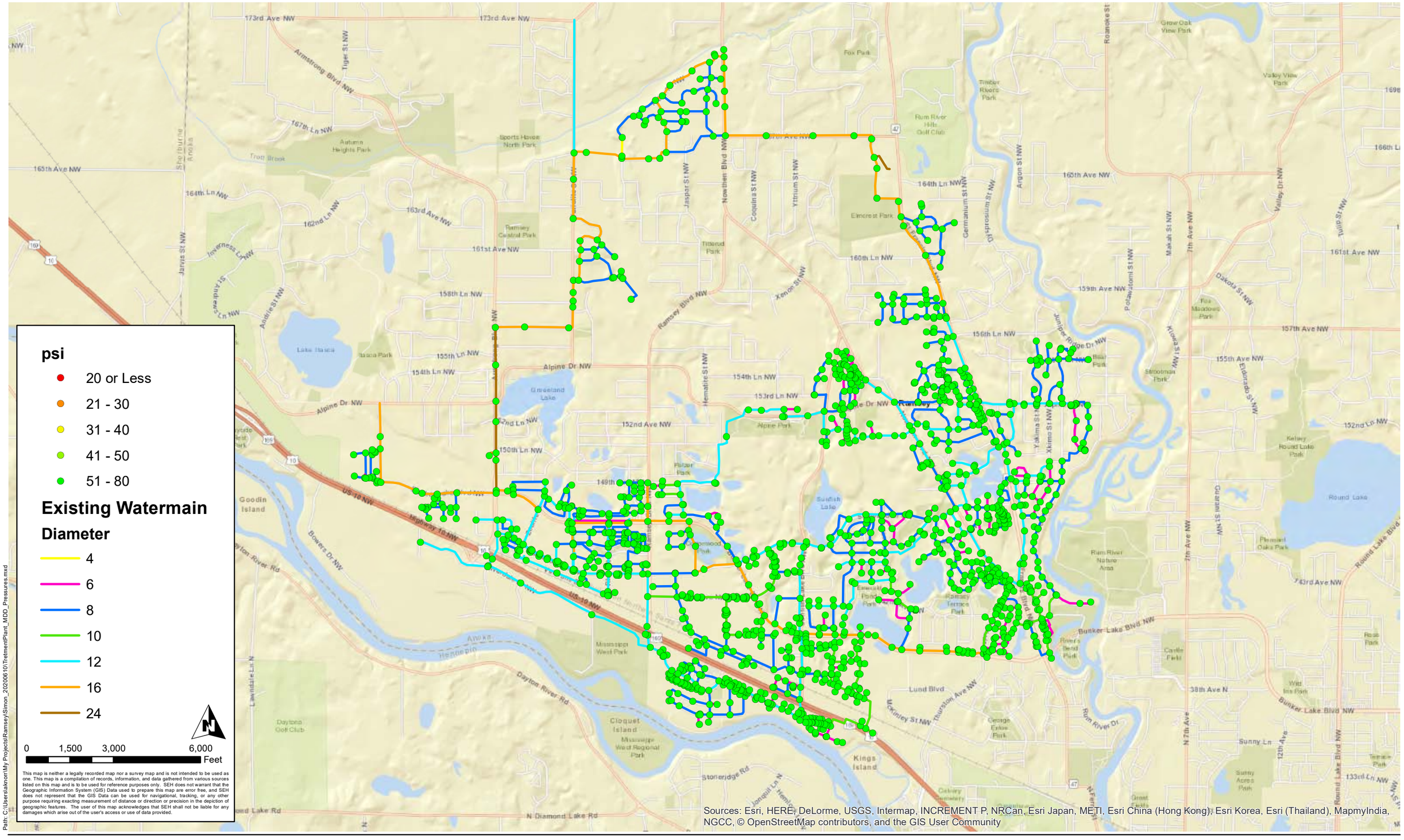




Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

TREATMENT PLANT WITH EXISTING ADD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

FIGURE 11
Minimum Pressures



Project Number: RAMSY 154354
Print Date: Print Date: 3/4/2021

TREATMENT PLANT WITH EXISTING MDD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

FIGURE 12
Minimum Pressures

FIGURE 13

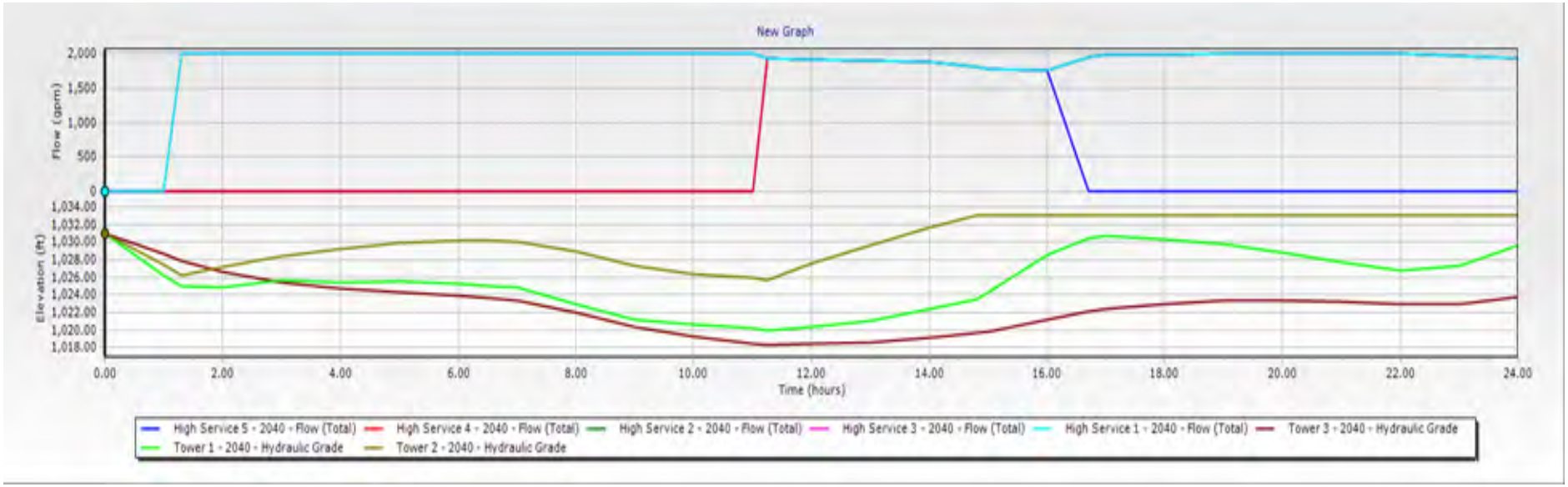
2040 System ADD 24-Hour Simulation

High Service Pump and Tower Operation

FIGURE 14

2040 System MDD 24-Hour Simulation

High Service Pump and Tower Operation



psi

- 20 or Less
- 21 - 30
- 31 - 40
- 41 - 50
- 51 - 80

2040 Watermain

Diameter

- 4
- 6
- 8
- 10
- 12
- 16
- 24

0 1,500 3,000 6,000 Feet

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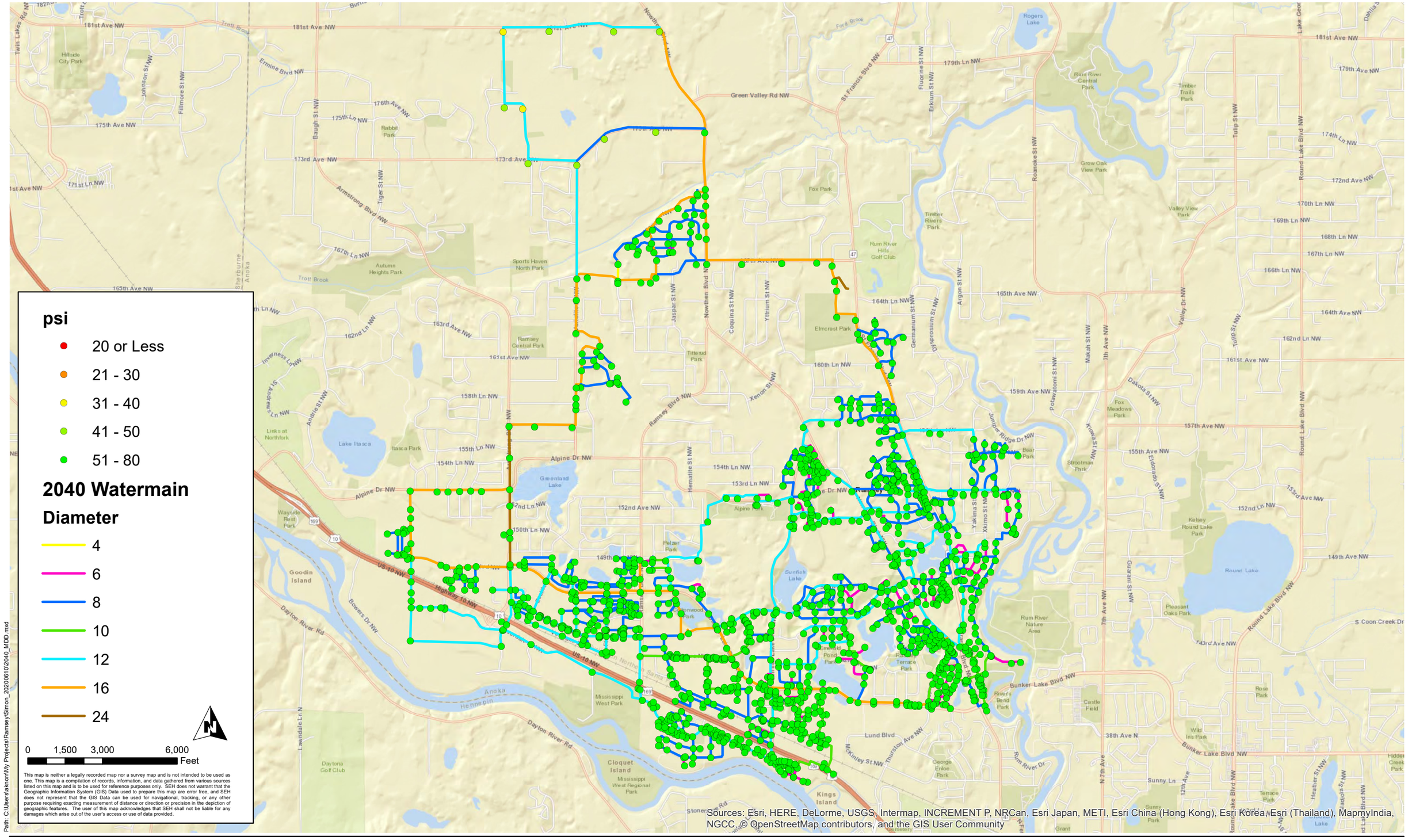
Project Number: RAMSY 154354
Print Date: Print Date: 6/15/2020

2040 ADD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

FIGURE 15
Minimum Pressures



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Project Number: RAMSY 154354
Print Date: Print Date: 6/15/2020

2040 MDD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

FIGURE 16
Minimum Pressures

Appendix C

CCL

CCL 4

Contaminant	Contaminant Type
Adenovirus	Virus
Caliciviruses	Virus (includes Norovirus)
Campylobacter jejuni	Bacteria
Enterovirus	Viruses including polioviruses, coxsackieviruses and echoviruses
Escherichia coli (0157)	Bacteria
Helicobacter pylori	Bacteria
Hepatitis A virus	Virus
Legionella pneumophila	Bacteria
Mycobacterium avium	Bacteria
Naegleria fowleri	Protozoan
Salmonella enterica	Bacteria
Shigella sonnei	Bacteria
1,1-Dichloroethane	It is an industrial solvent and an intermediate in the synthesis of other compounds.
1,1,1,2-Tetrachloroethane	It is an industrial solvent and used in the synthesis of other chlorinated compounds.
1,2,3-Trichloropropane	It is an industrial solvent, cleaning and degreasing agent as well as an intermediate in the synthesis of the other
1,3-Butadiene	It is used in the production of rubber and plastics.
1,4-Dioxane	It is used as a solvent for cellulose formulations, resins, oils, waxes and other organic substances. It is also used in wood pulping, textile processing, degreasing, in lacquers, paints, varnishes, and stains; and in paint and varnish removers.
17alpha-estradiol	It is an estrogenic hormone found in some pharmaceuticals.
1-Butanol	It is a solvent and used in production of other chemicals. compounds. It is present in a number of commercial products such as perfumes.
2-Methoxyethanol	It is used in a number of consumer products, such as synthetic cosmetics, perfumes, fragrances, hair preparations, and skin lotions.
2-Propen-1-ol	It is used in the production of other chemicals.
3-Hydroxycarbofuran	It is a pesticide degradate, the parent, carbofuran, is used as an insecticide.
4,4'-Methylenedianiline	It is used in the production of polyurethanes foams, glues, rubber and spandex fiber.
Acephate	It is an insecticide.
Acetaldehyde	It is a disinfection byproduct from ozonation; it is used in the production of other chemicals.
Acetamide	It is used as a solvent and plasticizer.
Acetochlor	It is an herbicide for weed control on agricultural crops.
Acetochlor ethanesulfonic acid (ESA)	Acetochlor ESA is an environmental degradate of acetochlor.
Acetochlor oxanilic acid (OA)	Acetochlor OA is an environmental degradate of acetochlor.

Acrolein	It is used as an aquatic herbicide, rodenticide and industrial chemical.
Alachlor ethanesulfonic acid (ESA)	Alachlor ESA is an environmental degradate of the pesticide alachlor (an herbicide for weed control on agricultural crops).
Alachlor oxanilic acid (OA)	Alachlor OA is an environmental degradate of alachlor.
alpha-Hexachlorocyclohexane	It is a component of benzene hexachloride (BHC) and was formerly used as an insecticide.
Aniline	It is used as an industrial chemical, as a solvent, in the synthesis of explosives, rubber products and in isocyanates.
Bensulide	It is an herbicide.
Benzyl chloride	It is used in the production of other substances, such as plastics, dyes, lubricants, gasoline and pharmaceuticals.
Butylated hydroxyanisole	It is used as a food additive (antioxidant).
Captan	It is a fungicide.
Chlorate	Chlorate compounds are used in agriculture as defoliants or desiccants and may occur in drinking water because of use of disinfectants such as chlorine dioxide and hypochlorites.
Chloromethane (Methyl chloride)	It is used as a foaming agent and in the production of other substances.
Clethodim	It is an herbicide.
Cobalt	It is a naturally-occurring element and was formerly used as cobaltous chloride in medicines and as a germicide. It is a part of the vitamin B12 molecule
Cumene hydroperoxide	It is used as a catalyst is used in the production of other substances.
Cyanotoxins	Toxins naturally produced and released by cyanobacteria ("blue-green algae"). The group of cyanotoxins includes, but is not limited to: anatoxin-a, cylindrospermopsin, microcystins, and saxitoxin.
Dicrotophos	It is an insecticide.
Dimethipin	It is an herbicide and plant growth regulator.
Diuron	It is an herbicide.
Equilenin	It is an estrogenic hormone used in hormone replacement therapy.
Equilin	It is an estrogenic hormone and is used in hormone replacement therapy.
Erythromycin	It is used an antibiotic.
Estradiol (17-beta estradiol)	It is an isomer of estradiol found in some pharmaceuticals.
Estriol	It is a weak estrogenic hormone used in veterinary pharmaceuticals.
Estrone	It is a precursor of estradiol used in veterinary and human pharmaceuticals.
Ethinyl estradiol (17-alpha ethynyl estradiol)	It is an estrogenic hormone and is used in veterinary and human oral contraceptives.
Ethoprop	It is an insecticide.
Ethylene glycol	It is used as antifreeze, in textile manufacturing and is a cancelled pesticide.

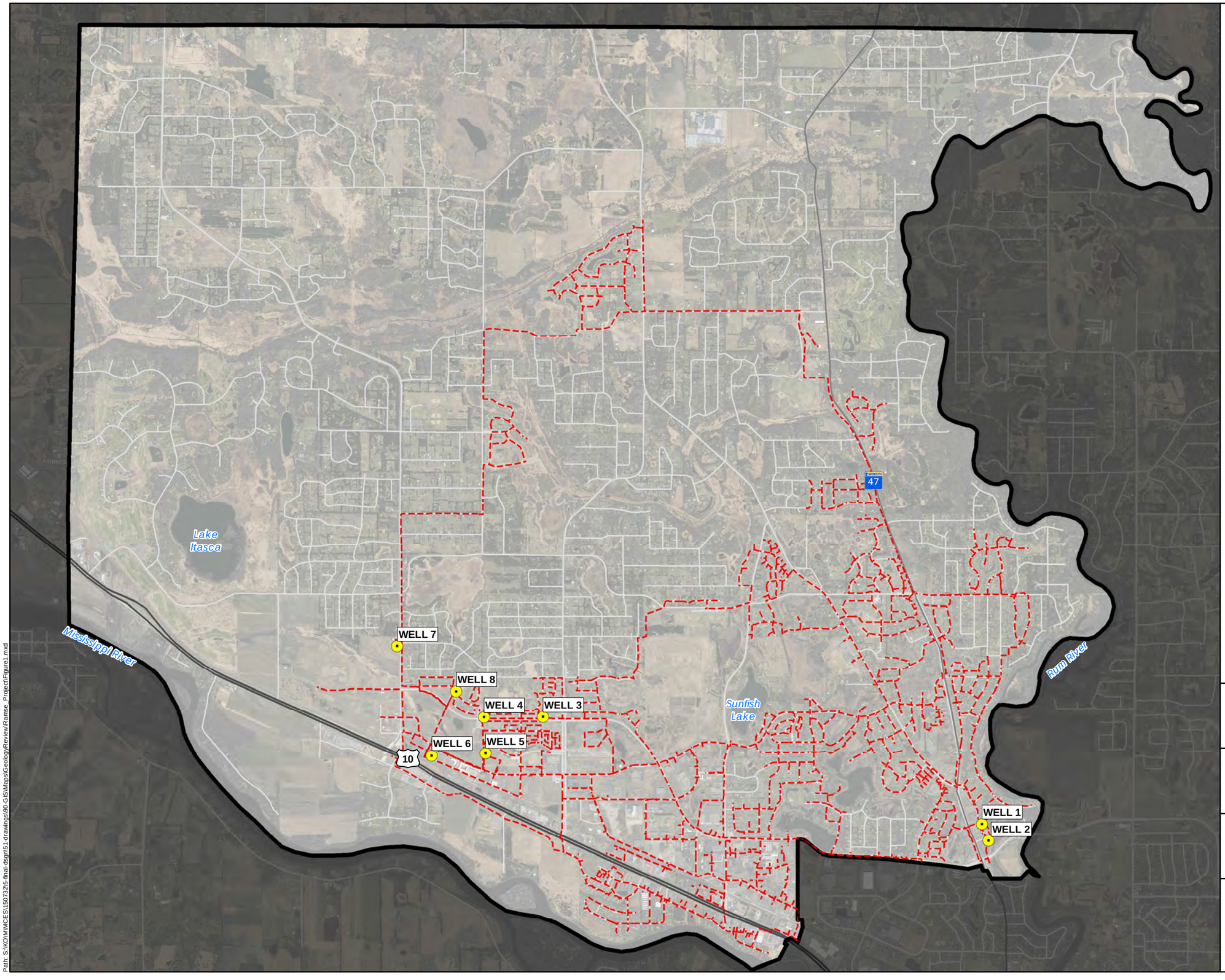
Ethylene oxide	It is a fungicidal and insecticidal fumigant.
Ethylene thiourea	It is used in the production of other substances, such as for vulcanizing polychloroprene (neoprene) and polyacrylate rubbers and is a metabolite of some fungicides.
Formaldehyde	It is an ozoneation disinfection byproduct, can occur naturally and has been used as a fungicide.
Germanium	It is a naturally-occurring element and is commonly found as germanium dioxide in phosphors, transistors and diodes, and in electroplating. In some cases it has been sold as a dietary supplement.
HCFC-22	It is used as a refrigerant, as a low-temperature solvent, and in fluorocarbon resins, especially in tetrafluoroethylene polymers.
Halon 1011 (bromochloromethane)	It is used as a fire-extinguishing fluid and to suppress explosions, as well as a solvent in the manufacturing of some pesticides. May also occur as a disinfection by-product in drinking water.
Hexane	It is a component of gasoline and used as a solvent.
Hydrazine	It is used as an ingredient in the production of other substances, such as rocket propellants. It is also used in the production of plastics.
Manganese	It is a naturally-occurring element used in a variety of applications including use in steel production to improve hardness, stiffness and strength. It is an essential nutrient found in vitamin/mineral supplement and in fortified foods.
Mestranol	It is a precursor to ethinylestradiol used in veterinary and human pharmaceuticals.
Methamidophos	It is an insecticide.
Methanol	It is used as an industrial solvent, a gasoline additive and as an anti-freeze ingredient.
Methyl bromide (bromomethane)	It has been used as a fumigant and fungicide.
Methyl tert-butyl ether (MTBE)	It is used as an octane booster in gasoline, in the manufacturing of isobutene and as an extraction solvent.
Metolachlor	It is an herbicide for weed control on agricultural crops.
Metolachlor ethanesulfonic acid (ESA)	Metolachlor ESA is an environmental degradate of metolachlor.
Metolachlor oxanilic acid (OA)	Metolachlor OA is an environmental degradate of
Molybdenum	It is a naturally-occurring element and is commonly found as molybdenum trioxide. It is used as a steel alloy. It is an essential dietary nutrient found in foods and nutritional supplements.
Nitrobenzene	It is used in the production of aniline, and also as a solvent in the manufacturing of paints, shoe polishes, floor polishes, metal polishes, explosives, dyes, pesticides and drugs (such as acetaminophen).,

Nitroglycerin	It is used in the production of explosives, and in rocket propellants. It is also a pharmaceutical for the treatment of angina.
N-Methyl-2-pyrrolidone	It is a solvent in the chemical industry, and is used in the formulation of pharmaceuticals for oral and dermal delivery.
N-nitrosodiethylamine (NDEA)	It is a nitrosamine used as an additive in gasoline and in lubricants, as an antioxidant and as a stabilizer in plastics. It is formed in cured foods and during high temperature cooking of meats and fish, and may be a disinfection byproduct.
N-nitrosodimethylamine (NDMA)	It was formerly used in the production of rocket fuels, anti-oxidants and softeners for copolymers. It is formed in cured foods and during high temperature cooking. It may be a leachate from rubber gaskets and fittings and may form as a disinfection byproduct.
N-nitroso-di-n-propylamine (NDPA)	It is formed in cured foods and during high temperature cooking of meats and fish and may be a disinfection byproduct. It is a contaminant in dinitrofluralin herbicides.
N-Nitrosodiphenylamine	It is used in the vulcanization of rubber and as an inhibitor of polymerization in the production of polystyrene. It may be a disinfection byproduct.
N-nitrosopyrrolidine (NPYR)	It is used in rubber production. It is formed in cured foods and during high temperature cooking of meats and fish and may be a disinfection byproduct.
Nonylphenol2	The main use of nonylphenol is in the manufacture of nonylphenol ethoxylates, which have been used in a wide range of industrial applications and consumer products including laundry detergents, cleaners, degreasers, paints and coatings and other uses. Several other CASRNs are associated with nonyphenol due to varying chemical structures including: 104-40-5, 84852-15-3, 91672-41-2, and 139-84-4.
Norethindrone (19-Norethisterone)	Norethindrone is a synthetic hormone used in oral contraceptives and for hormone replacement therapy.
n-Propylbenzene	It is a constituent of asphalt and naptha and used in the manufacture of methyl styrene. It is a solvent for printing and dying of textiles.
o-Toluidine	It is used in the production of dyes, rubber, pharmaceuticals and pesticides.
Oxirane, methyl	It is an industrial chemical used in the production of other substances. It is a registered pesticide.
Oxydemeton-methyl	It is an insecticide.
Oxyfluorfen	It is an herbicide.
Perfluorooctanesulfonic acid (PFOS)	PFOS has been used to make carpets, leathers, textiles, fabrics for furniture, paper packaging, and other materials that are resistant to water, grease, or stains. It is also used in firefighting foams at airfields. Many of these uses have been phased out by its primary U.S. manufacturer; however, there are still some ongoing uses.

Perfluorooctanoic acid (PFOA)	PFOA has been used to make carpets, leathers, textiles, fabrics for furniture, paper packaging, and other materials that are resistant to water, grease, or stains. It is also used in firefighting foams at airfields. Many of these uses are being phased out by U.S. manufacturers; however, there are still some ongoing uses.
Permethrin	It is an insecticide.
Profenofos	It is an insecticide and an acaricide.
Quinoline	It is a component of coal tars and used in the production of other substances, and as a pharmaceutical (anti-malarial).
RDX (Hexahydro-1,3,5-trinitro-1,3,5-triazine)	It is an explosive.
sec-Butylbenzene	It is used as a solvent for coatings in organic synthesis, as a plasticizer and in surfactants.
Tebuconazole	It is a fungicide.
Tebufenozide	It is insecticide.
Tellurium	It is a naturally-occurring element and is commonly used as sodium tellurite in bacteriology and medicine.
Thiodicarb	It is an insecticide.
Thiophanate-methyl	It is a fungicide.
Toluene diisocyanate	It is used in the manufacturing of plastics.
Tribufos	It is an insecticide and used as a cotton defoliant.
Triethylamine	It is used in the production of other substances, as a stabilizer in herbicides and pesticides, in consumer products, in photographic chemicals and in carpet cleaners.
Triphenyltin hydroxide (TPTH)	It is a pesticide.
Urethane	It is a paint and coating ingredient (polyurethanes).
Vanadium	It is a naturally-occurring element. Vanadium pentoxide is a catalyst for the production of other substances catalyst. It is sometimes an ingredient in mineral supplements but is not classified as an essential nutrient
Vinclozolin	It is a fungicide.
Ziram	It is a fungicide.

Appendix D

Groundwater Modeling Memo

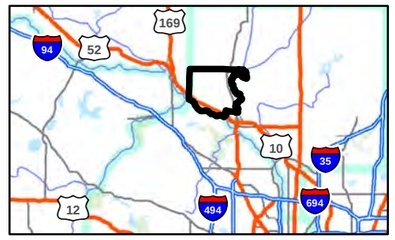


Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary

0 1,500 3,000 6,000

Feet



Distribution System

Source Water Analysis
City of Ramsey
Minnesota

SEH

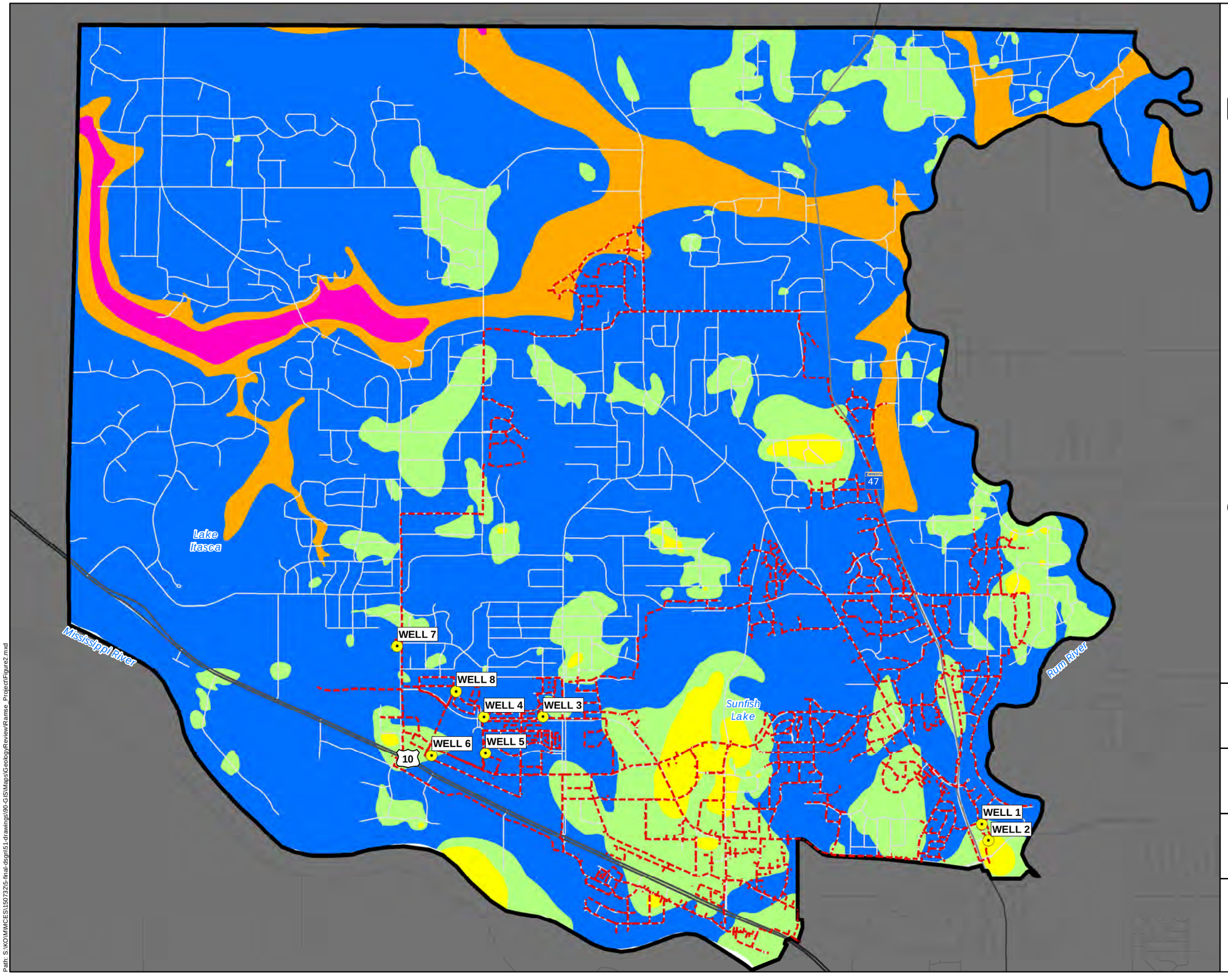
Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 1

Path: S:\KO\MMCES\150732\5-final-dsn\51-drawings\90-GIS\Maps\Geobyn\Review\Ramsey_Project\Figure1.mxd



Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary

Anoka County Bedrock Geology

- Jordan Sandstone, Up. Camb.
- St. Lawrence Formation, Up. Camb.
- Tunnel City group,Up. Camb.
- Wonewoc Sandstone, Up. Camb.
- Eau Claire Formation, Mid. to Up. Camb.

0 1,500 3,000 6,000 Feet

Bedrock Geology

Source Water Analysis
City of Ramsey
Minnesota

SEH

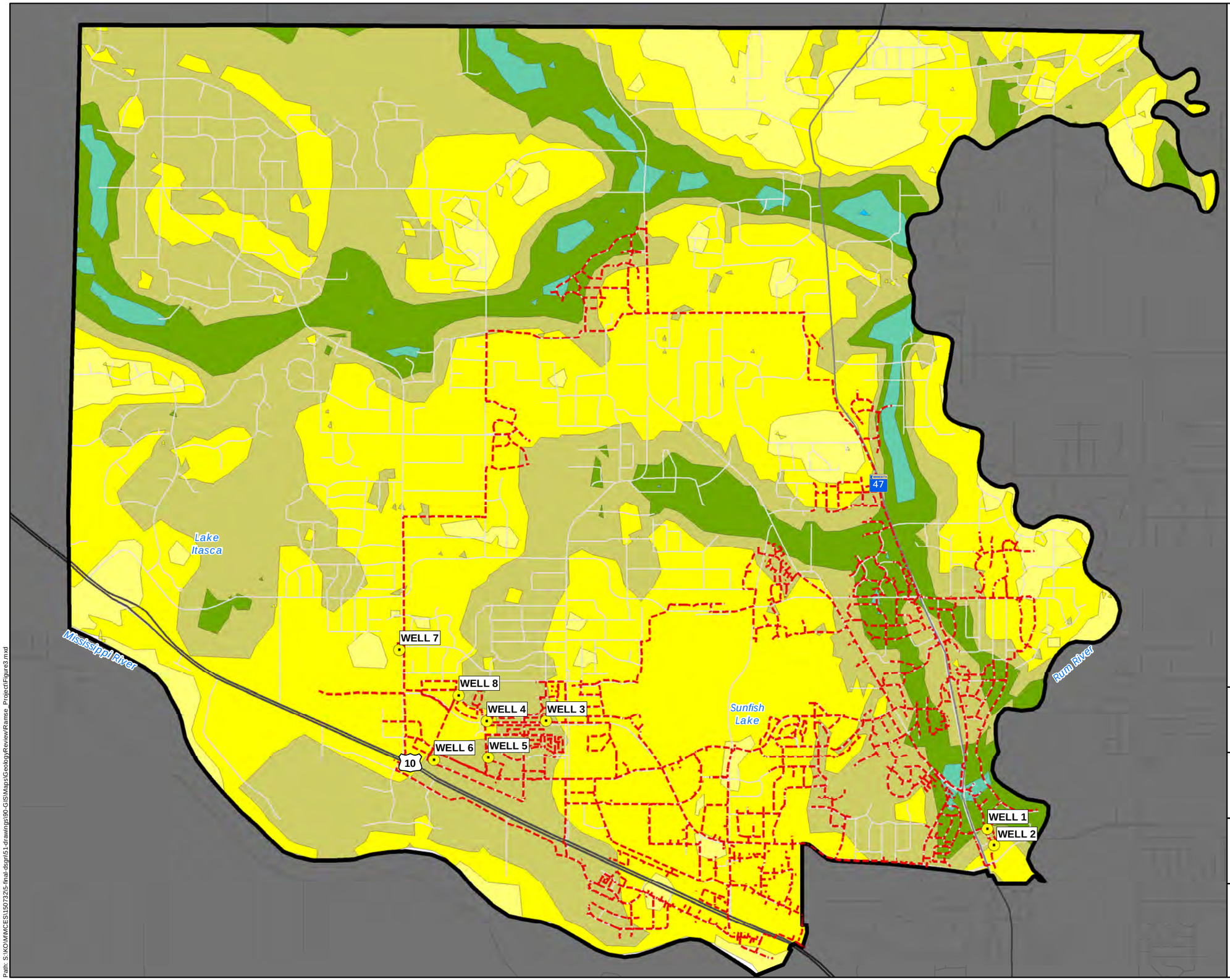
Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 2

Path: S:\KOM\MCES\150732\5-final-design\51-drawings\90-GIS\Mxds\GeologyReviewRamsey_Project\Figure2.mxd



Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary

Anoka County Depth to Bedrock (ft)

Depth to bedrock (ft.)

- 1-50
- 51-100
- 101-150
- 151-200
- 201-250
- 251-300
- 301-350
- 351-400
- 401-450
- 451-500

0 1,500 3,000 6,000 Feet

Depth to Bedrock

Source Water Analysis
City of Ramsey
Minnesota

SEH

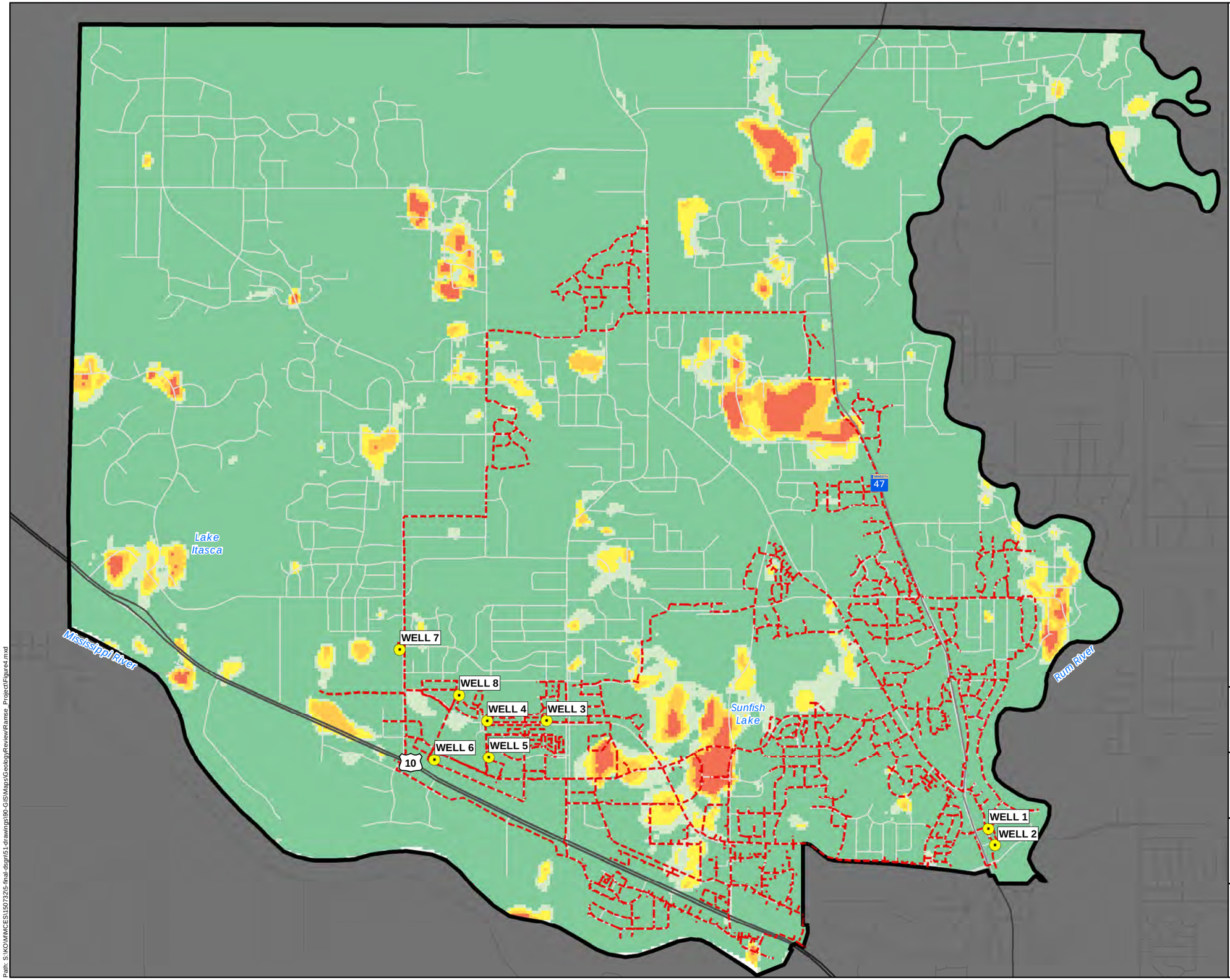
Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 3

Path: S:\KOM\MCES\150732\5-final-dsgn\51-drawings\90-GIS\Maps\Geology\Review\Ramse_Project\Figure3.mxd

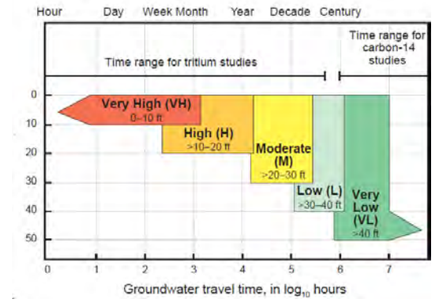


Legend

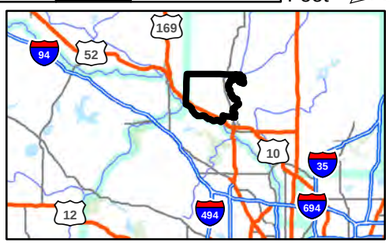
- Municipal Well
- Municipal Watermain
- Municipality Boundary

Pollution Sensitivity (Top of Bedrock)

- Very High
- High
- Moderate
- Low
- Very Low



0 1,500 3,000 6,000 Feet



Pollution Sensitivity

Source Water Analysis
City of Ramsey
Minnesota

SEH

Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 4

Path: S:\KOI\MMCES\150732\5-final-dsgn\51-drawings\90-GIS\Maps\Geology\Review\Ramsey_Project\Figure4.mxd

CTCG
CSLT
CTCG
CTCG
CTCG
CTCG
CTCG
47
Lake Itasca
Mississippi River
WELL 7
CTCG
WELL 8
WELL 4
WELL 3
WELL 6
WELL 5
10
Sunfish Lake
CTCG
Rum River
WELL 1
WELL 2

Legend

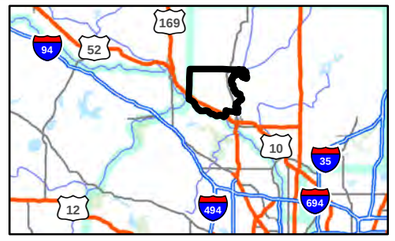
- Municipal Well
- Municipal Watermain
- Municipality Boundary

Tritium

Bedrock Water Age Dating Method

- recent
- mixed
- vintage
- not sampled

0 1,500 3,000 6,000
Feet



Tritium Data

Source Water Analysis
City of Ramsey
Minnesota

SEH

Project: MCES 150732
Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 5

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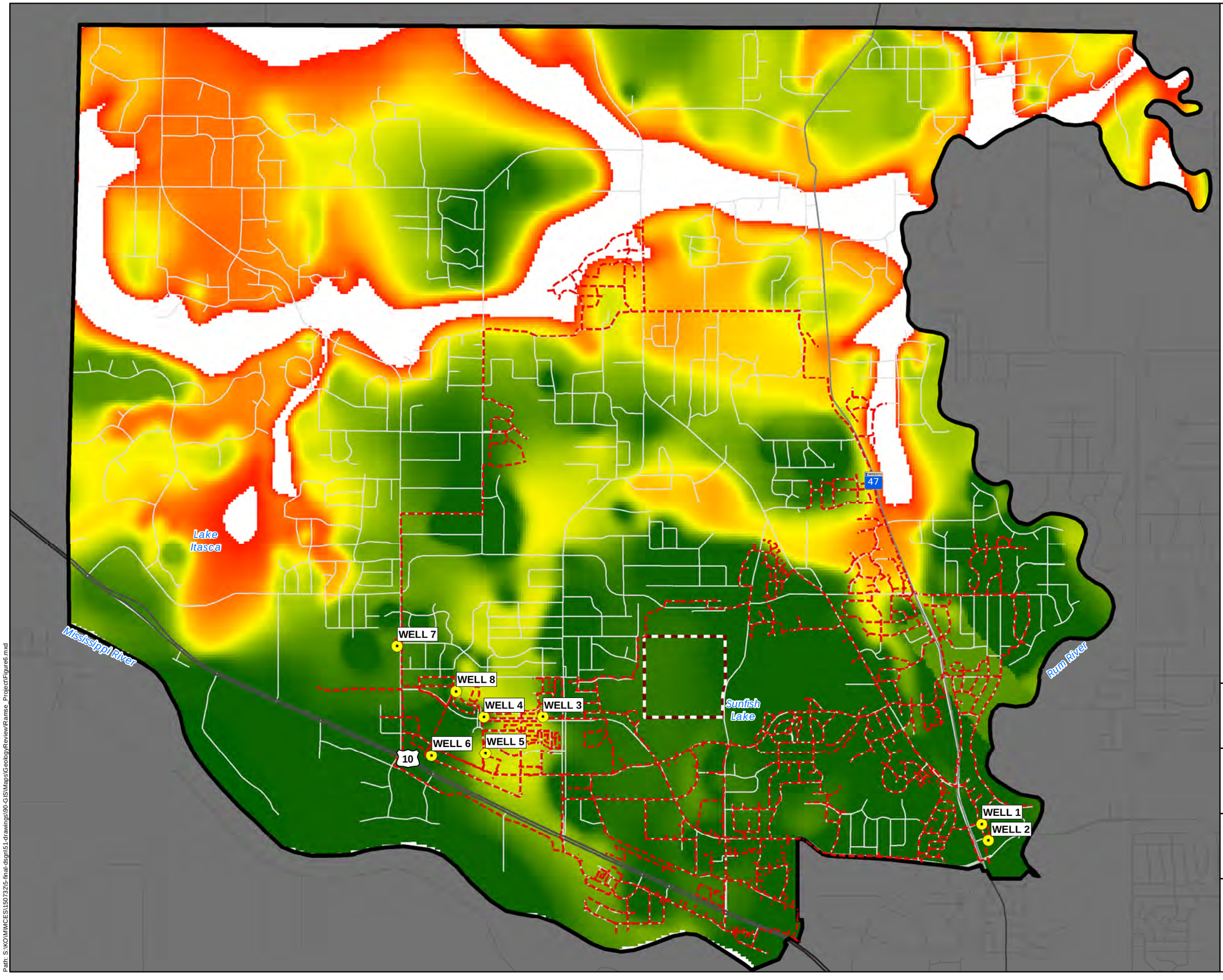


Legend

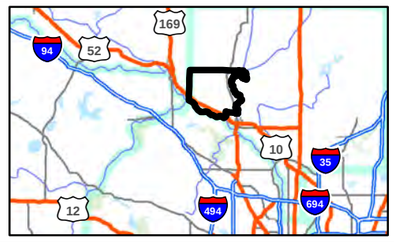
- Municipal Well
- Municipal Watermain
- Municipality Boundary
- Landfill Boundary

Tunnel City Thickness (Feet)

Value

158.106
142.296
126.486
110.676
94.866
79.0561
63.2461
47.4361
31.6261
15.8161
0.00610352

0 1,500 3,000 6,000 Feet



Tunnel City Thickness

Source Water Analysis
City of Ramsey
Minnesota

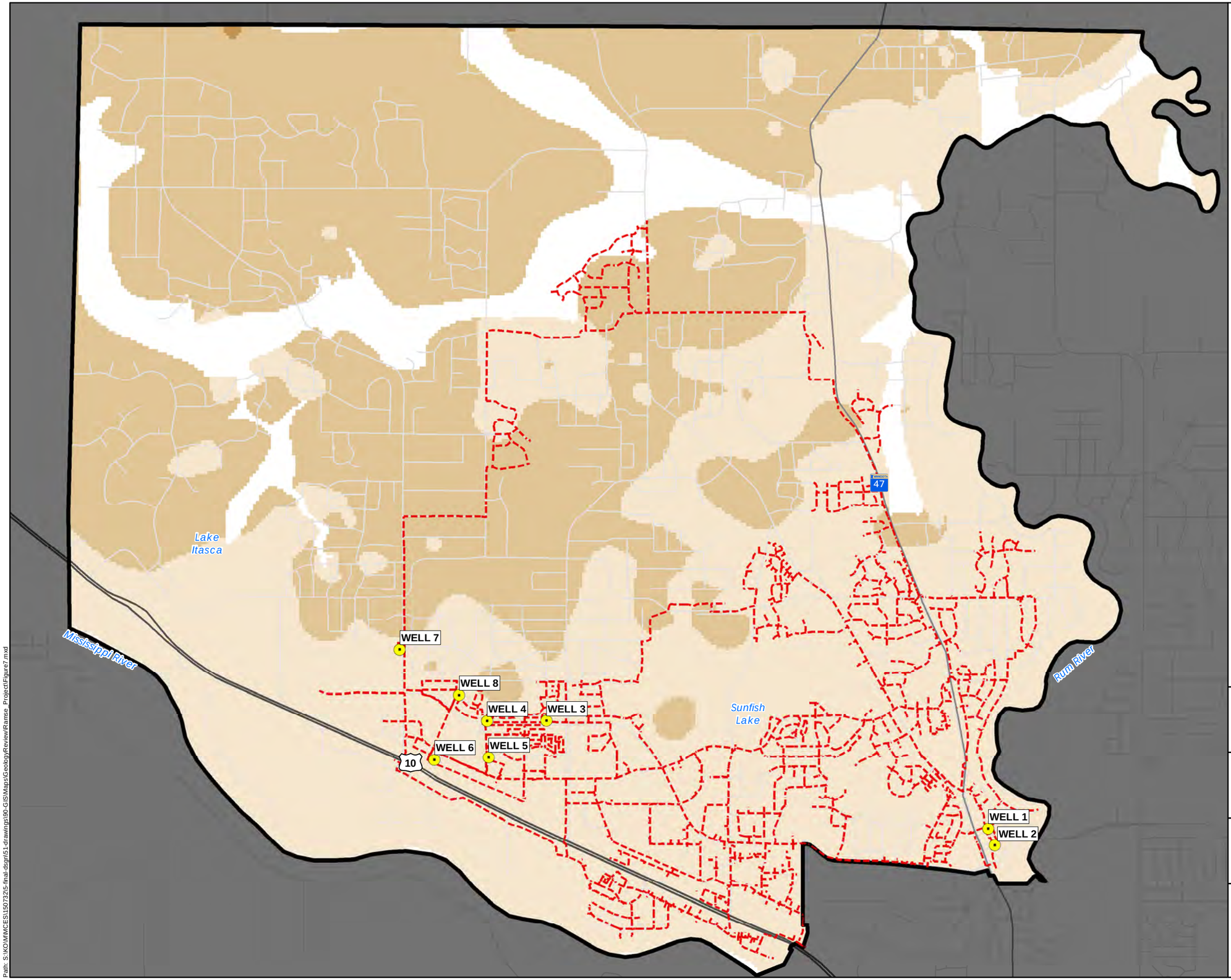
SEH

Project: MCES 150732
Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 6

Path: S:\KO\MMCES\150732\5-final-dsn\t51-drawings\90-GIS\Maps\GeoMxpx\Review\Ramse_Project\Figure6.mxd



Legend

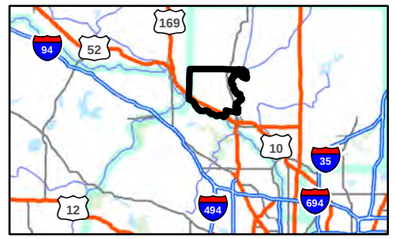
- Municipal Well
- Municipal Watermain
- Municipality Boundary

Potentiometric surface elevation

ELEVATION

- >820 to 860
- >860 to 900
- >900 to 940

0 1,500 3,000 6,000 Feet



Tunnel City Potentiometric Water Elevation

Source Water Analysis
City of Ramsey
Minnesota

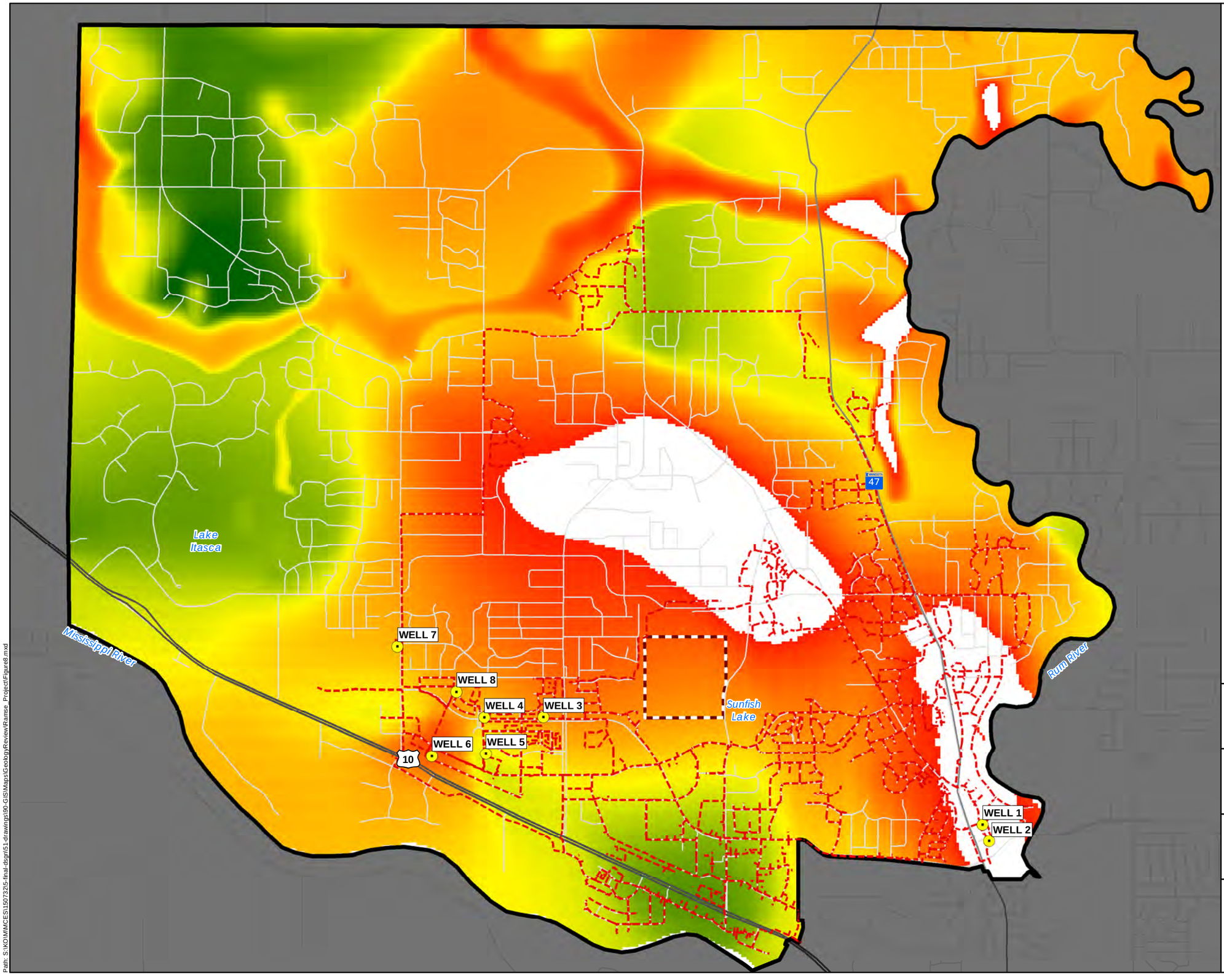
SEH

Project: MCES 150732
Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 7

Path: S:\KO\MMCES\150732\5-final-dsgn\51-drawings\90-GIS\Maps\GeobyrReview\Ramse_Project\Figure7.mxd



Legend

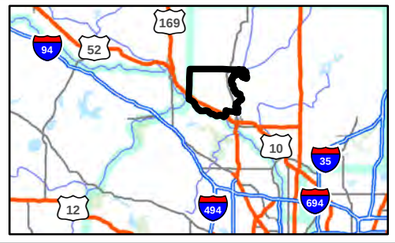
- Municipal Well
- Municipal Watermain
- Municipality Boundary
- Landfill Boundary

Wonewoc Thickness (feet)

Value

- 133.674
- 120.307
- 106.939
- 93.5718
- 80.2044
- 66.837
- 53.4696
- 40.1022
- 26.7348
- 13.3675
- 6.10352e-05

0 1,500 3,000 6,000 Feet



Wonewoc Thickness

Source Water Analysis
City of Ramsey
Minnesota

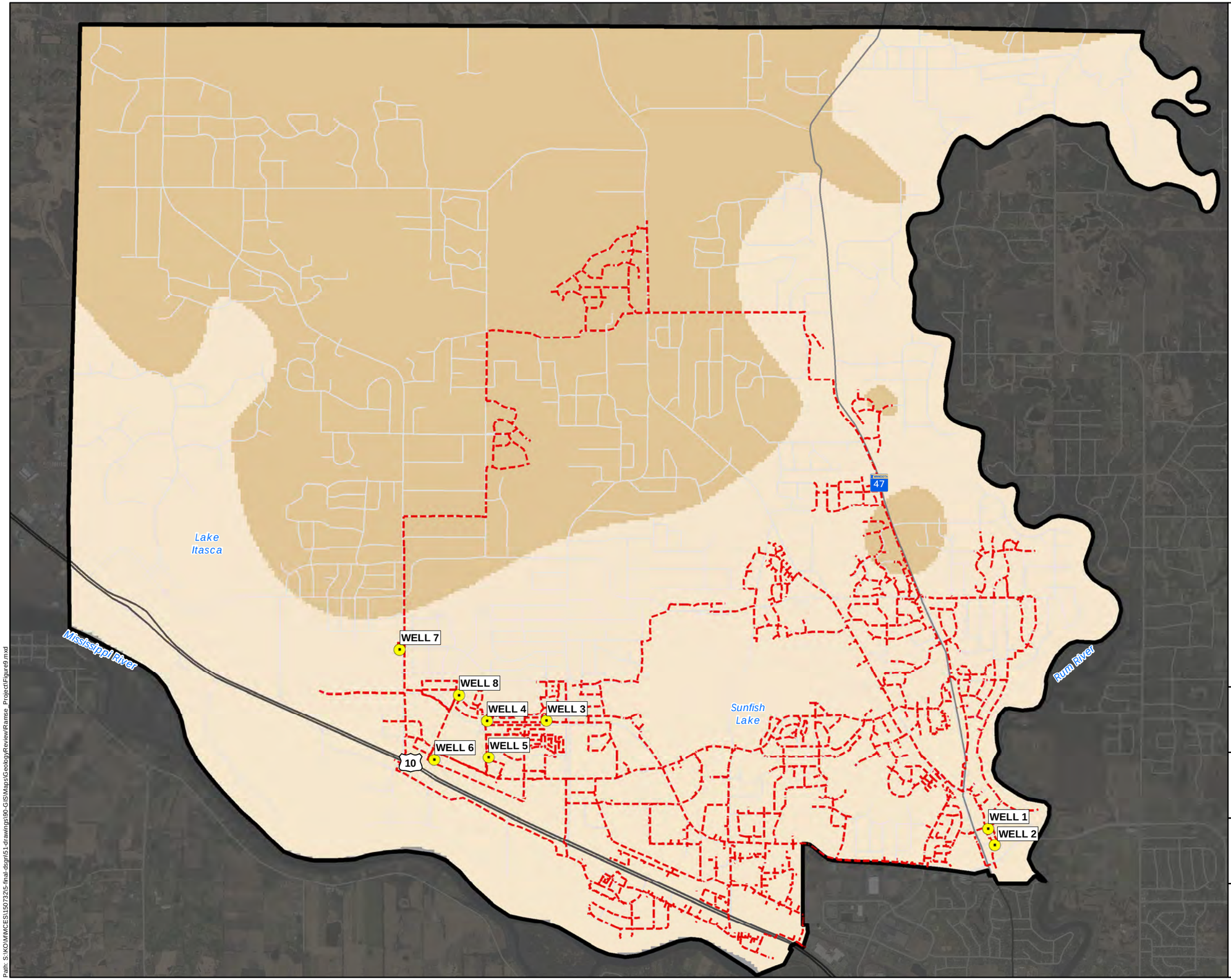
SEH

Project: MCES 150732
Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 8

Path: S:\KOI\MMCES\150732\5-final-dsp\fi51-drawings\90-GIS\Maps\GeobpyReviewRamse_Project\Figure8.mxd



Legend

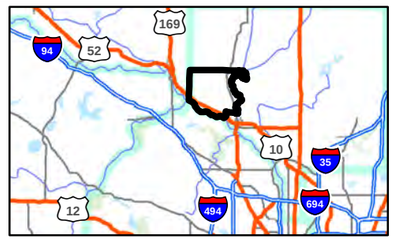
- Municipal Well
- Municipal Watermain
- Municipality Boundary

Potentiometric surface elevation

ELEVATION

- >820 to 860
- >860 to 900
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset

0 1,500 3,000 6,000 Feet



Wonewoc Potentiometric Surface Elevation

Source Water Analysis
City of Ramsey
Minnesota

SEH

Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 9

Path: S:\KO\MMCES\150732\5-final-dsgn\51-drawings\90-GIS\Maps\Geobyte\Review\Rames- Project\Figure9.mxd

Lake Itasca

Mississippi River

Sunfish Lake

Rum River

47

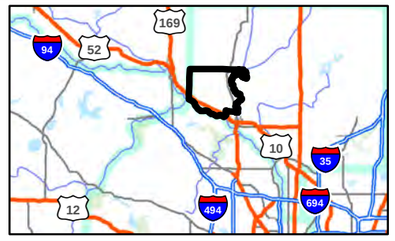
10

WELL 1
WELL 2
WELL 3
WELL 4
WELL 5
WELL 6
WELL 7
WELL 8

Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset

0 1,500 3,000 6,000
Feet



Parcel Data

Source Water Analysis
City of Ramsey
Minnesota

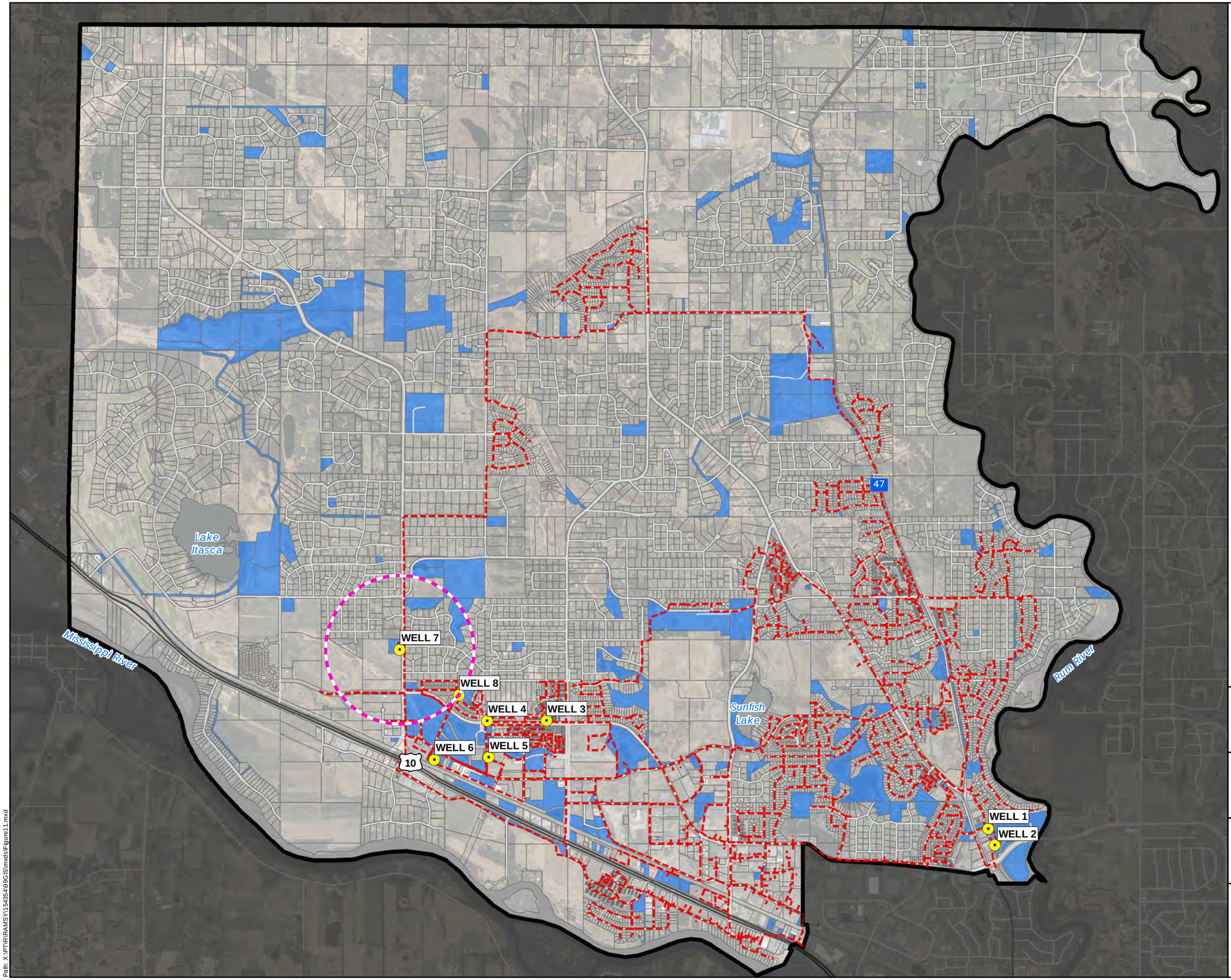
SEH

Project: MCES 150732
Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 10

Path: S:\KO\MMCES\150732\5-final-dsn\51-drawings\90-GIS\Maps\Geobyp\Review\Ramsa- Project\Figure10.mxd

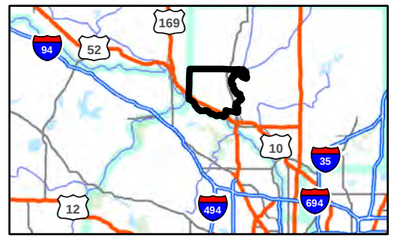


Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset
- 2400 ft Radius of Influence for 3 feet of Drawdown.

Note:
Radius of Influence calculation was based upon "Methods for Determining the Proper Spacing of Wells" (USGS, 1961) for a single pumping well.

0 1,500 3,000 6,000
Feet



Radius of Influence and Parcel Data

Source Water Analysis
City of Ramsey
Minnesota

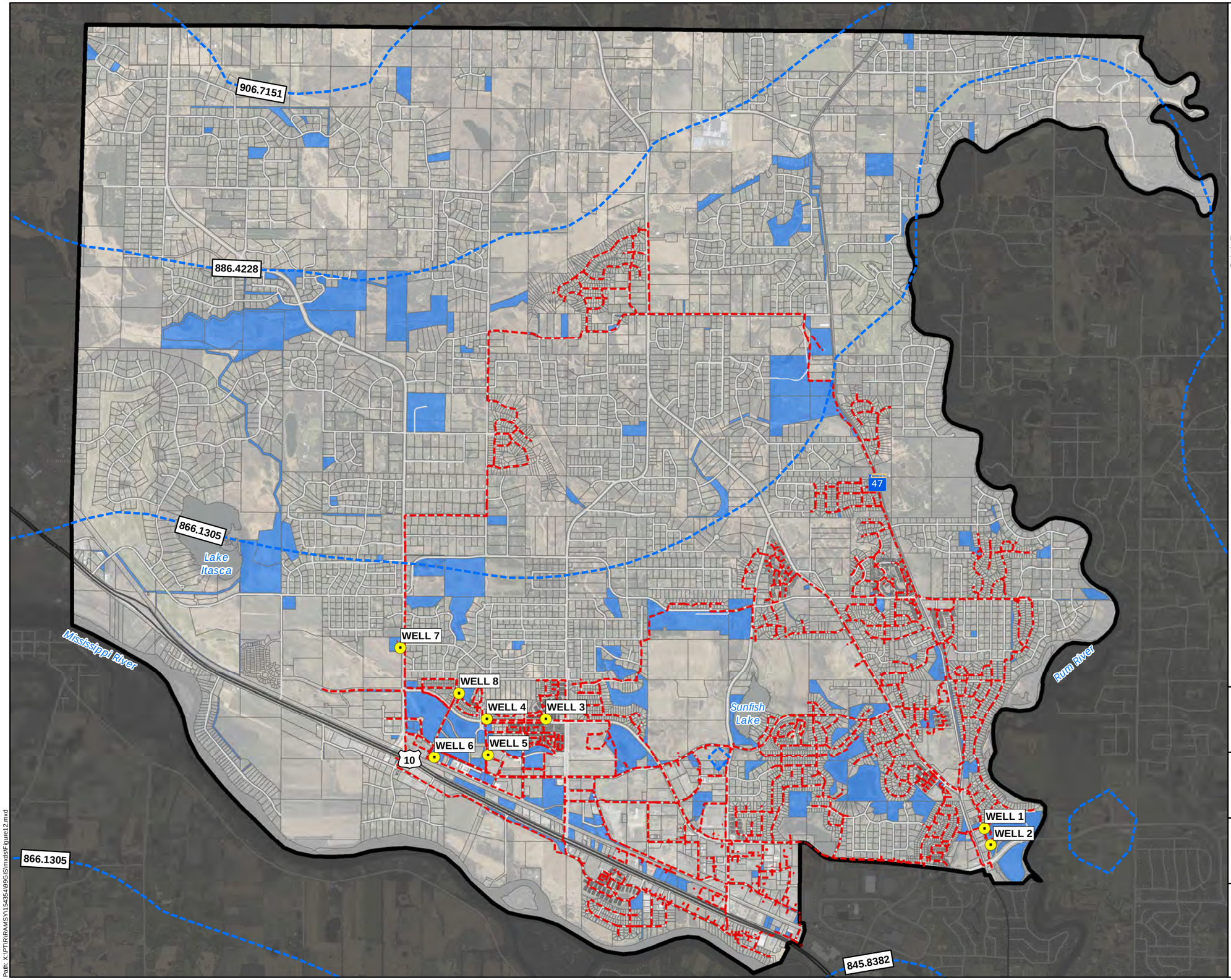
SEH

Project: MCES 150732
Print Date: 5/19/2020

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 11

Path: X:\PTW\RAMS\115435499\GIS\mxds\Figure11.mxd

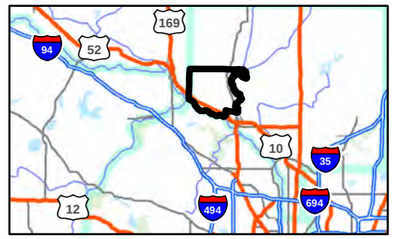


Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset
- Modeled Steady State Source Water Aquifer Water Level with no City Wells Pumping

Note:
-Source Water Aquifer referes to the Tunnel City and Wonewoc Aquifers.
-Contours were modeled utilizing the Twin Cities Area Groundwater Flow Model (Metro Model 3, Metropolitan Council and Barr Engineering.)

0 1,500 3,000 6,000
Feet



Present Day - No Pumping Wells Aquifer Water Level Contours

Source Water Analysis
City of Ramsey
Minnesota

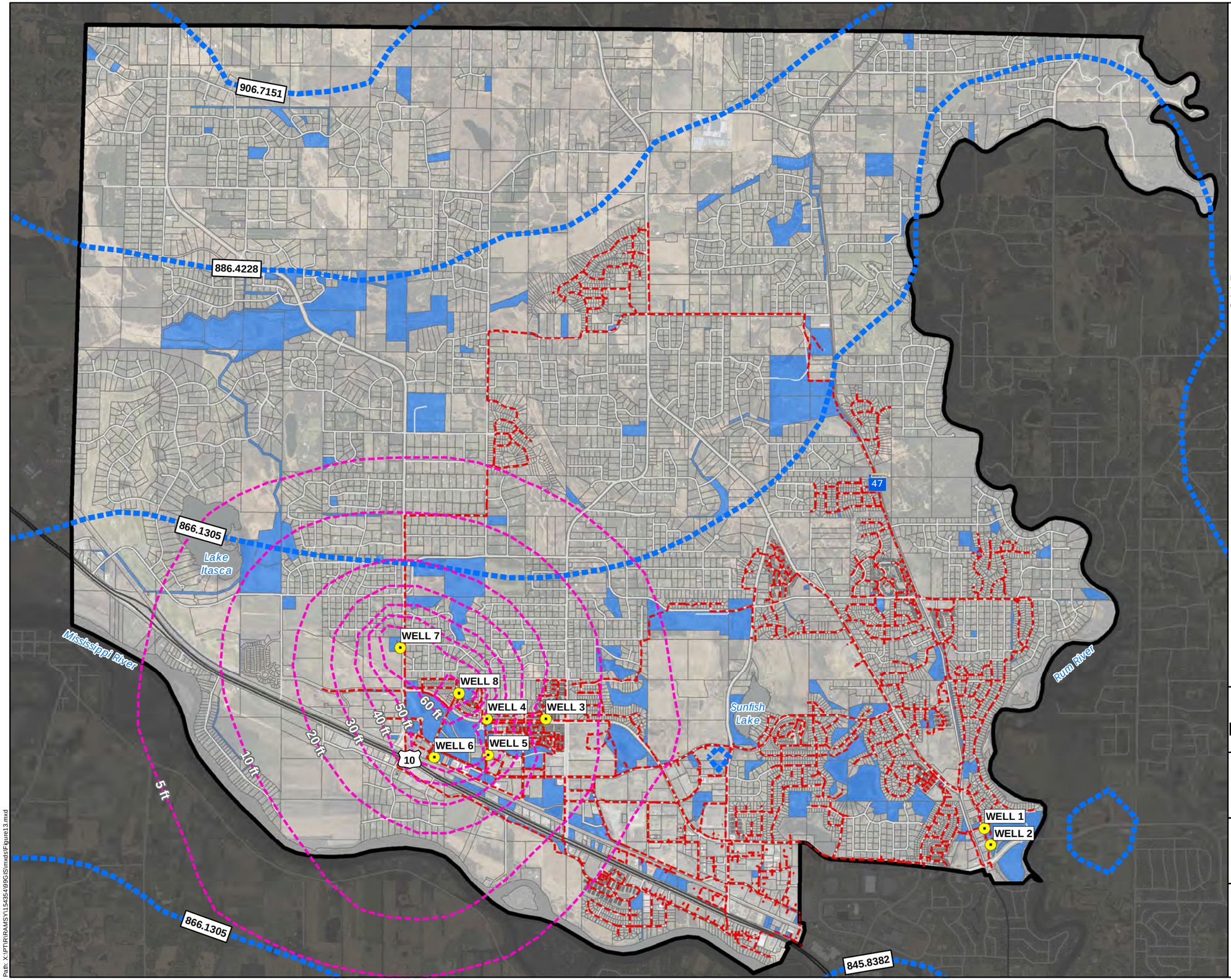
SEH

Project: MCES 150732
Print Date: 5/19/2020

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 12

Path: X:\PTI\R\RAM\SY\115435499\GIS\mxd\sFigure12.mxd

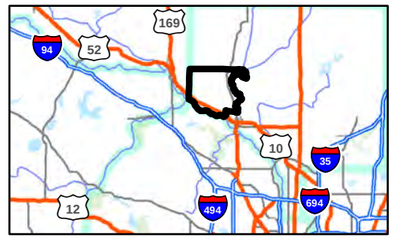


Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset
- Modeled Steady State Source Water Aquifer Water Level with no City Wells Pumping
- Feet of Modeled Drawdown from June 13, 2019 Well Pumping

Note:
-Source Water Aquifer referes to the Tunnel City and Wonewoc Aquifers.
-Contours were modeled utilizing the Twin Cities Area Groundwater Flow Model (Metro Model 3, Metropolitan Council and Barr Engineering.)

0 1,500 3,000 6,000
Feet



Modeled Drawdown of June 13th Pumping on Aquifer Water Levels

Source Water Analysis
City of Ramsey
Minnesota

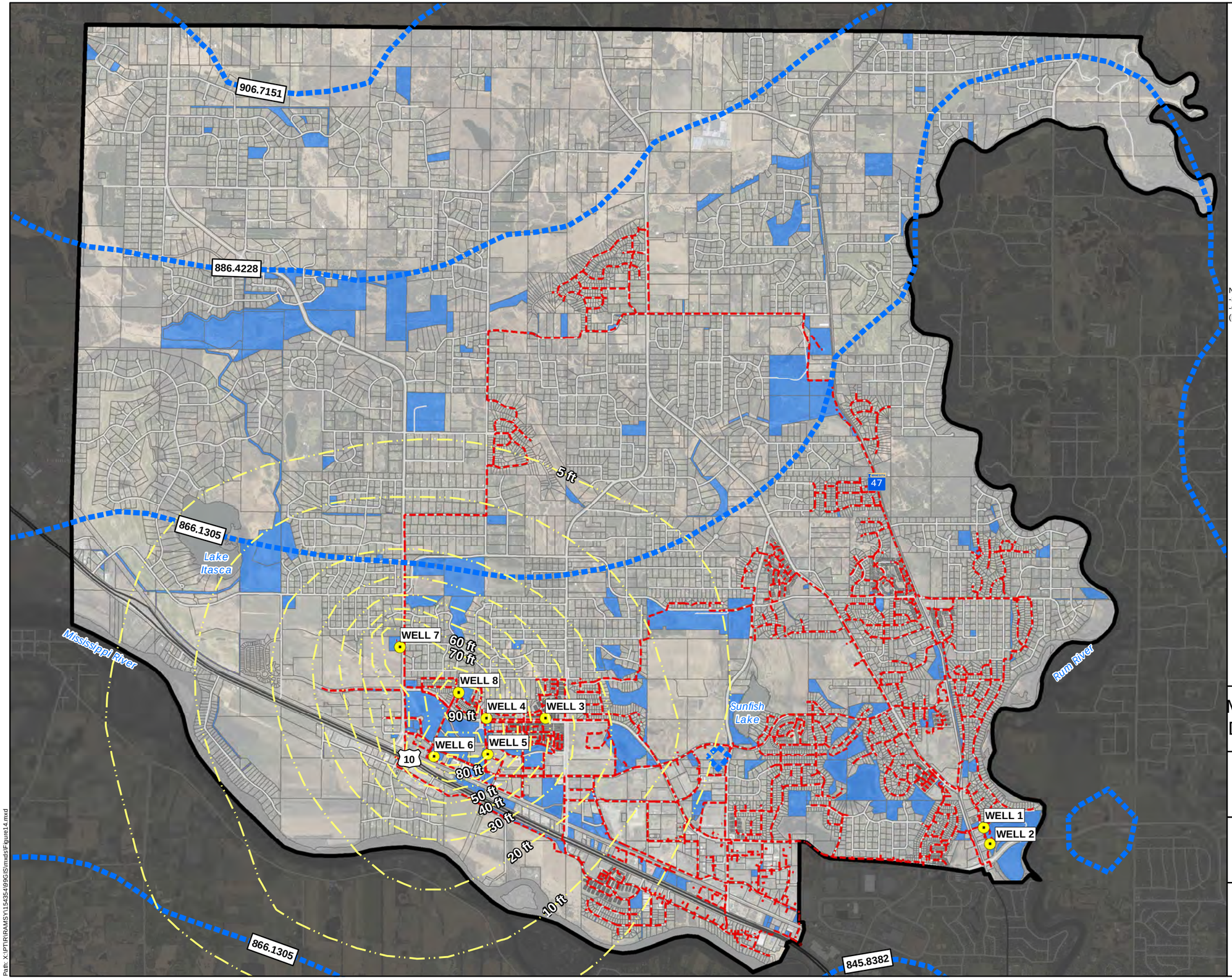
SEH

Project: MCES 150732
Print Date: 5/19/2020

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 13

Path: X:\PTI\RI\RAMSY\115435489\GIS\mxds\Figure13.mxd

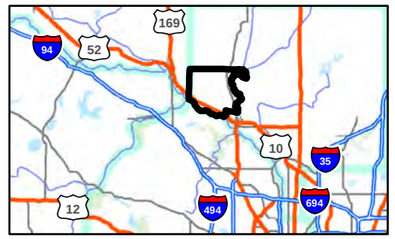


Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset
- Modeled Steady State Source Water Aquifer Water Level with no City Wells Pumping
- Feet of Modeled Drawdown from Project 2040 Daily Demand Well Pumping of 10.25 Million Gallons

Note:
-Source Water Aquifer referes to the Tunnel City and Wonewoc Aquifers.
-Contours were modeled utilizing the Twin Cities Area Groundwater Flow Model (Metro Model 3, Metropolitan Council and Barr Engineering.)

0 1,500 3,000 6,000 Feet



Modeled Drawdown of 2040 Daily Demand on Aquifer Water Levels

Source Water Analysis
City of Ramsey
Minnesota

SEH

Project: MCES 150732
Print Date: 5/19/2020

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 14

Path: X:\PTW\RAMSY\115435499\GIS\mxd\sf\Figure14.mxd

Armstrong Blvd NW

Potential Well Siting Area B

Potential Well Siting Area C

Potential Well Siting Area A

Lake Itasca

Mississippi River

Sunfish Lake

Rum River

WELL 1

WELL 2

WELL 3

WELL 4

WELL 5

WELL 6

WELL 7

WELL 8

47

10

Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary
- City of Ramsey Owned Parcel
- Anoka County Parcel Dataset

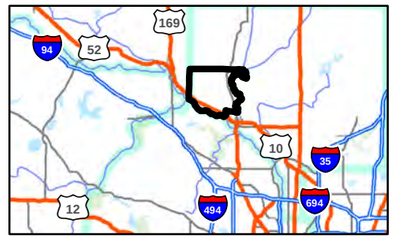
Potential Well Sites

- Potential Well Siting Area A
- Potential Well Siting Area B
- Potential Well Siting Area C

0 1,500 3,000 6,000

Feet

N



Potential Well Sites

Source Water Analysis City of Ramsey Minnesota

SEH

Project: MCES 150732

Print Date: 6/5/2020

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 15

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Appendix E

Pilot Study

Pilot Study Report

Water Treatment Plant

City of Ramsey, Minnesota

RAMSY 154354 | June 18, 2020

SEH

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Engineers | Architects | Planners | Scientists

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Pilot Study Report

Water Treatment Plant

Prepared for the City of Ramsey, Minnesota

1 Introduction

1.1 Background

SEH was contracted by the City of Ramsey to conduct a centralized water treatment plant feasibility study. As part of the study, SEH conducted a pilot study to consider options for the removal of iron and manganese from their water supply. The water quality in Ramsey is high in both iron and manganese with levels exceeding the United States Environmental Protection Agency (US EPA) secondary standards of 0.3 mg/L and 0.05 mg/L respectively. Along with the manganese secondary standard, Ramsey's average manganese levels exceed Minnesota Department of Health's (MDH's) Health Based Value (HBV) of 0.1 mg/L for bottle-fed infants less than one year of age.

1.2 Objectives

The objectives of the study were to evaluate the effectiveness of various treatment methods for removing iron and manganese, and then to select treatment methods for the design of a Water Treatment Plant for the City of Ramsey.

The study included the following objectives:

- Evaluate the effectiveness of chlorine and permanganate for the removal of iron and manganese;
- Establish filter run lengths;
- Evaluate filter loading rates;
- Select the filter media type that provides the best removal of iron and manganese, and;
- Evaluate the use of aeration and detention as part of the treatment process.

2 Existing Facilities

2.1 Wells

The City of Ramsey has eight wells all located in the southern part of town north of U.S. Highway 10. The City's original two wells, Wells No. 1 and 2, are located in the southeast part of town, while the other wells are all located in the southwest part of town. The wells are capable of producing approximately 11 million gallons per day, although the treatment plant would be located within the southwest well field and thus would not be fed by Wells No. 1 or 2, making the potential treatment capacity 9.5 million gallons per day.

Current treatment at the wells consists of chemical treatment including polyphosphate for iron and manganese sequestration, gas chlorine for disinfection, and fluoride for dental health.

3 Pilot Study

The pilot study was conducted in the SEH pilot water plant trailer. Equipment used for the pilot study included chemical feed systems, an aerator, detention tank, and filter columns (filters). Train 1 of the study utilized direct filtration where the well water was treated with chemical injections of chlorine (sodium hypochlorite) and potassium permanganate, and then filtered through filters with two different media types. Train 2 of the study utilized the chemical injections and two different filter media types, but included aeration prior to the chemical injections, and detention prior to filtration. Sampling as part of the pilot study were conducted and analyzed by SEH's pilot plant operator.

3.1 Pilot Testing Processes

The pilot study was conducted for Ramsey's Wells No. 3 and 4 to establish the efficiency and reliability of the two treatment processes and filter media types to remove iron and manganese. Processes for the pilot study were selected based on the concentrations of iron and manganese, and on prior experience. The figures below show the processes for Train 1 and Train 2.

Figure 1 – Pilot Sudy Train 1

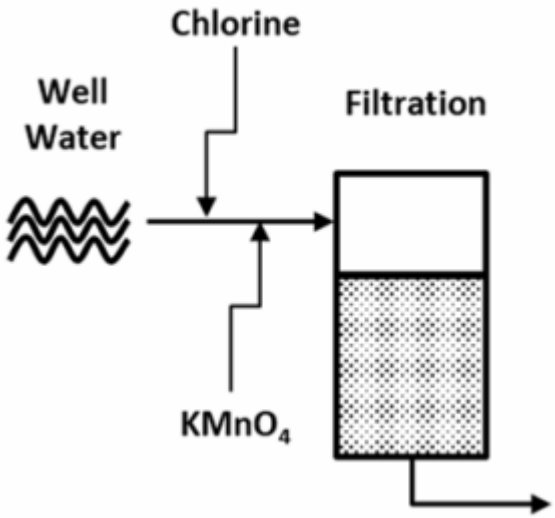
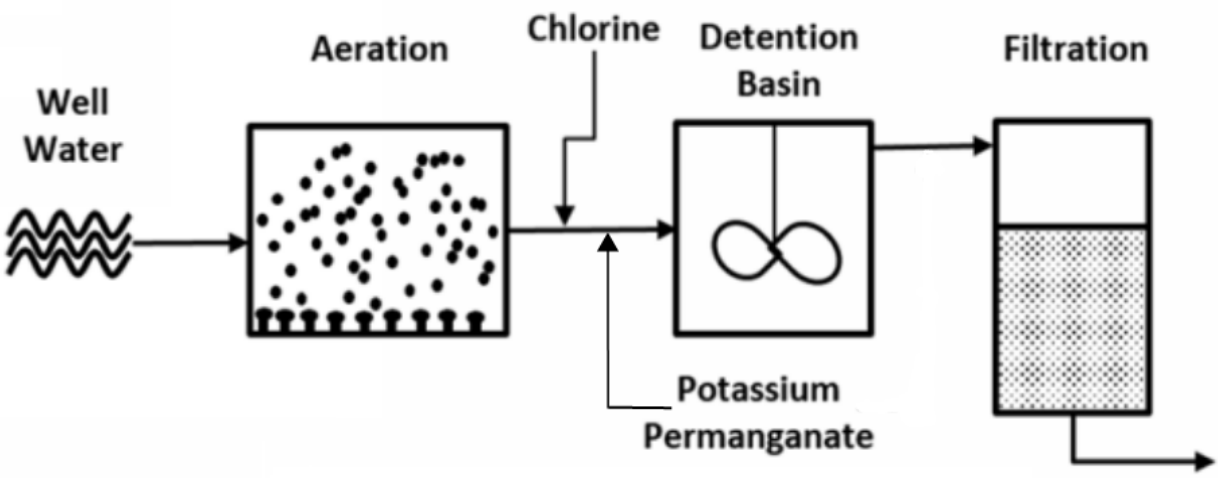


Figure 2 – Pilot Study Train 2



3.1.1 Forced Draft Aerator

The SEH pilot water plant utilized a forced draft aerator, which consists of an aerator column, packing material, and a blower. During treatment of the water for Train 2, water was pumped from the well into the pilot water plant aerator, and then percolated down through the packing material in the aerator column as air was blown up through the packing material. Aeration of water is done to oxidize the iron into solids so that they can be filtered out. Aeration of water can also remove dissolved gases in water such as hydrogen sulfide.

3.1.2 Detention Tank

After aeration during Train 2, a detention tank in the pilot water plant was used to provide additional reaction time for chlorine to oxidize iron and potassium permanganate to oxidize manganese in the water. For this study, the system was set up to provide 30 minutes of detention before filtration.

3.1.3 Chemical Feed System

The chemicals used for the pilot study included chlorine, in the form of sodium hypochlorite, and potassium permanganate ($KMnO_4$). While chlorine is used for oxidizing iron, potassium permanganate is used for the oxidation of manganese. Both chemicals are commonly used in treatment systems for the removal of iron and manganese. The sodium hypochlorite solution was fed at a strength of 15 grams per liter (gpl). Potassium permanganate was fed at a strength of 4 gpl.

The chemical feed systems used in the pilot study included Qdos peristaltic metering pumps capable of feeding a maximum of 31 gallons per hour (gph).

Chemical addition was measured using calibration columns for each chemical feed pump. The volume (in milliliters) of each chemical pumped was measured per unit of time and the dosage was calculated based on the flow to the individual treatment trains.

3.1.4 Filters

The SEH Pilot Water Plant contains four filter columns (filters) that each measure 8 inches in diameter and 72 inches tall. The resulting surface area for filtration of each filter is 0.35 ft^2. The filters each have a 0.75 inch inlet, 1.5 inch backwash waste outlets, underdrains, air release system, rate of flow meters, sample taps, and filter media. Pressure taps are located on the inlet and outlet of each filter to obtain filter head loss by comparing the two pressures. For the Ramsey pilot study, Filters 1 and 2 (Train 1) were operated without aeration and detention. Filters 3 and 4 (Train 2) were operated with aeration and detention. Each filter was supplied 1.05 gpm to achieve a target filtration rate of 3.0 gpm/ft^2 for this study. Each type of filter media used in the study was new and had not been used in other studies. The filters were backwashed with a combination of air and water between filter runs.

Table 1 – Pilot Study Filter Characteristics

Filter	Media	Filtration Rate (gpm/ft^2)	Effective Size (mm)	Media Depth (in)
1	Greensand	3	0.30-0.35	18
	Anthracite		0.9-1.0	12
2	Silica Sand	3	0.45-0.55	18
	Anthracite		0.9-1.0	12
3	Greensand	3	0.30-0.35	18
	Anthracite		0.9-1.0	12
4	Silica Sand	3	0.45-0.55	18
	Anthracite		0.9-1.0	12

3.2 Sampling and Analysis

Sampling and analysis was completed by the onsite SEH pilot plant operator. Field testing for iron and manganese was conducted using a Hach DR/890 Portable Colorimeter, and was done for the raw water and from the effluent of each filter. Testing for iron was conducted using the Hach Method 8147 (DR800 FerroZine Solution Pillow), which has a range of 0-1.3 mg/L iron (Fe), and an estimated detection limit of 0.011 mg/L Fe. Testing for manganese was conducted using the Hach Method 8149 (DR800 PAN), which has a range of 0-0.70 mg/L manganese (Mn), and an estimated detection limit of 0.020 mg/L Mn. Temperature and pH analyses were conducted using a Hach HQ 40 pH meter, and was done for the raw water. Samples for the analysis of chlorine were collected from the effluent of each filter and analyzed using the Hach DR/890 Portable Colorimeter. The chlorine demand was calculated by subtracting the residual chlorine after filtration from the dose of chlorine added to the raw water to oxidize iron. The results of the sampling and subsequent analysis are presented in the remainder of this report.

4 Pilot Study Results

As discussed, the pilot study was conducted for Ramsey's Wells No. 3 and 4 to establish the efficiency and reliability of the two treatment processes, as well as the two filter media types, to remove iron and manganese. Identical pilot studies were conducted at both wells. The purpose of this was to determine how well the treatment processes would do with more than one source

water. The finished water quality met the EPA secondary standards for iron and manganese, as well as MDH's HBV for manganese, for both treatment processes and filter media types.

4.1 Well No. 3 Results

4.1.1 Raw Water Quality

The pilot study for Well No. 3 was completed between January 21, 2020 and January 22, 2020. Well No. 3 currently pumps approximately 1,450 gpm directly into the distribution system with polyphosphate, chlorine, and fluoride added in a shared pump house with Well No. 4. Table 2 below summarizes the raw water results collected from Well No. 3 during the pilot study.

Table 2 – Well No. 3 Raw Water Quality

Iron (mg/L)			Manganese (mg/L)			pH		
Min.	Avg.	Max	Min.	Avg.	Max.	Min.	Avg.	Max.
0.500	0.640	0.850	0.160	0.200	0.240	7.46	7.72	7.85

Results from the raw water sampling show that Well No. 3 exceeds EPA's secondary standards for iron and manganese, which can cause aesthetic water quality issues related to color, taste, sediment, and staining. Well No. 3 also exceeds MDH's HBV 0.1 mg/L for manganese for bottle-fed infants less than one year of age. Infants who drink water with manganese above 0.1 mg/L may develop learning and behavior problems.

4.1.2 Water Treatment

Water from Well No. 3 went through both treatment trains provided by the SEH pilot water treatment plant. Train 1 utilized direct filtration through Filters 1 and 2 after chlorine and potassium permanganate injection, while Train 2 utilized aeration and detention prior to filtration through Filters 3 and 4. With Train 2, aeration was provided prior to chemical injection to help oxidize iron, followed by chlorine and potassium permanganate injection, and then 30 minutes of detention time to allow for adequate chemical reaction time before filtration. The chemical doses to treat water from Well No. 3 are provided in Table 3. All four filters in the pilot water plant were operated at a rate of 3.0 gpm/ft^2.

Table 3 – Well No. 3 Chemical Dosages

Train 1 – Filters 1 and 2 (Direct Filtration)					
Chlorine (mg/L as Cl_2)			$KMnO_4$ (mg/L)		
Min.	Avg.	Max.	Min.	Avg.	Max.
2.15	2.92	3.58	0.49	0.49	0.49
Train 2 – Filters 3 and 4 (Aeration and Detention)					
Chlorine (mg/L as Cl_2)			$KMnO_4$ (mg/L)		
Min.	Avg.	Max.	Min.	Avg.	Max.
1.95	3.24	4.53	0.10	0.10	0.10

The chlorine dosages for the two treatment trains were similar, although the chlorine dosage with Train 2 may be able to be reduced as aeration provides significant iron oxidation, and 30 minutes

of detention allows for additional chemical reaction time to increase iron oxidation. The potassium permanganate dosage in Train 2 was able to be lowered to about a fifth of that in Train 1, as the added chemical reaction time with 30 minutes of detention increases manganese oxidation.

4.1.3 Finished Water Quality

The SEH pilot water plant was able to treat water from Well No. 3 to levels that meet the EPA secondary standards, as well as MDH's HBV for manganese. In fact, no sample result exceeded the EPA secondary standards, and both treatment trains were able to remove both iron and manganese on average below the method detection limits of 0.011 mg/L and 0.020 mg/L respectively.

The finished water quality for Well No. 3 during the pilot study is summarized in Table 4 below.

Table 4 – Well No. 3 Finished Water Quality

Filter	Iron (mg/L)			Manganese (mg/L)		
	Min.	Avg.	Max.	Min.	Avg.	Max.
1	nd	nd	0.040	nd	nd	0.043
2	nd	nd	0.020	nd	nd	nd
3	nd	nd	0.020	nd	nd	0.048
4	nd	nd	nd	nd	nd	nd
Notes: nd = below method detection limit						

The use of detention in Train 2 did not provide a significant treatment advantage over Train 1 in removing iron and manganese, although the use of aeration in Train 2 provided slightly better results in the removal of iron. There also wasn't a significant difference in treatment effectiveness between the two filter media types, although Filters 1 and 3 each had at least one spiked result for manganese that approached the secondary standard.

4.2 Well No. 4 Results

4.2.1 Raw Water Quality

The pilot study for Well No. 4 was completed between January 20, 2020 and January 21, 2020. Well No. 4 currently pumps approximately 850 gpm directly into the distribution system with polyphosphate, chlorine, and fluoride added in a shared pump house with Well No. 3. Table 5 below summarizes the raw water results collected from Well No. 4 during the pilot study.

Table 5 – Well No. 4 Raw Water Quality

Iron (mg/L)			Manganese (mg/L)			pH		
Min.	Avg.	Max.	Min.	Avg.	Max.	Min.	Avg.	Max.
0.180	0.240	0.360	0.035	0.392	0.360	7.51	7.61	7.71

Results from the raw water sampling show that Well No. 4 exceeds EPA's secondary standards for iron and manganese, which can cause aesthetic water quality issues related to color, taste,

sediment, and staining. Well No. 4 also exceeds MDH's HBV 0.1 mg/L for manganese for bottle-fed infants less than one year of age. Infants who drink water with manganese above 0.1 mg/L may develop learning and behavior problems.

4.2.2 Water Treatment

Like Well No. 3, water from Well No. 4 went through both treatment trains provided by the SEH pilot water treatment plant. The chemical doses to treat water from Well No. 4 are provided in Table 3. All four filters in the pilot water plant were operated at a rate of 3.0 gpm/ft^2.

Table 6 – Well No. 4 Chemical Dosages

Train 1 – Filters 1 and 2 (Direct Filtration)					
Chlorine (mg/L as Cl_2)			$KMnO_4$ (mg/L)		
Min.	Avg.	Max.	Min.	Avg.	Max.
1.43	2.57	3.43	0.49	0.49	0.52
Train 2 – Filters 3 and 4 (Aeration and Detention)					
Chlorine (mg/L as Cl_2)			$KMnO_4$ (mg/L)		
Min.	Avg.	Max.	Min.	Avg.	Max.
1.95	2.66	2.72	0.21	0.21	0.21

The chlorine dosages for the two treatment trains were similar, although the chlorine dosage with Train 2 may be able to be reduced as aeration provides significant iron oxidation, and 30 minutes of detention allows for additional chemical reaction time to increase iron oxidation. The potassium permanganate dosage in Train 2 was able to be lowered to less than half of that in Train 1, as the added chemical reaction time with 30 minutes of detention increases manganese oxidation.

4.2.3 Finished Water Quality

The SEH pilot water plant was able to treat water from Well No. 4, on average, to levels that meet the EPA secondary standards, as well as MDH's HBV for manganese. Although the average iron and manganese levels were below those standards, the pilot water plant was not able to remove iron below the method detection limit on average like it did with Well No. 3. Filter 4 also saw a spike in manganese at the beginning of the filter run, which was above the MDH HBV, but quickly reduced manganese below the secondary standard and MDH HBV thereafter.

The finished water quality for Well No. 4 during the pilot study is summarized in Table 7 below.

Table 7 – Well No. 4 Finished Water Quality

Filter	Iron (mg/L)			Manganese (mg/L)		
	Min.	Avg.	Max.	Min.	Avg.	Max.
1	nd	0.018	0.080	nd	nd	0.044
2	nd	0.014	0.080	nd	nd	0.028
3	nd	0.014	0.080	nd	nd	0.031
4	nd	0.015	0.090	nd	nd	0.128

Notes: nd = below method detection limit

The use of detention and aeration in Train 2 did not provide a significant treatment advantage over Train 1 in removing iron and manganese. There also wasn't a significant difference in treatment effectiveness between the two filter media types, although Filter 4 saw the spike in manganese that was above the secondary standard and MDH HBV.

5 Conclusions and Recommendations

The SEH pilot water plant was able to treat water from Well No. 3 and Well No. 4 to concentrations below the EPA secondary standards for iron and manganese, as well as the MDH HBV for manganese. Implementing either treatment trains at full-scale would allow the City of Ramsey to provide aesthetically pleasing as it relates to iron and manganese, as well as provide safe drinking water to the residents as it relates to manganese.

5.1 Aeration

Aeration of the water provided better results in terms of iron removal for Well No. 3, which had much higher raw water iron levels than Well No. 4, but provided similar results in terms of iron removal for Well No. 4. It is expected that the benefits of aeration will be more pronounced in water quality similar to that of Well No. 3. Based on the results and on previous experience, the use of an aerator may be preferred as it provides an additional layer in the removal or iron, and may also provide additional treatment benefits such as the removal of dissolved gases like hydrogen sulfide.

5.2 Detention

The addition of a detention tank did not provide a significant difference in treatment effectiveness for iron and manganese removal, but it did allow for the potassium permanganate dosage to be lowered. Although 30 minutes of detention was suitable for the removal of iron and manganese, and allowed for the reduction in the potassium permanganate dosage, it is not needed to provide quality water for the City of Ramsey. If a water treatment plant is pursued, the City should compare the cost savings of reducing the potassium permanganate dosage with the construction cost of a detention tank.

5.3 Chemical Feed

The pilot study evaluated the use of chlorine and potassium permanganate as oxidants. Feed rates are within normal ranges for the type of water treated. It is recommended to use these chemicals for a full-scale design, although chlorine may be fed as sodium hypochlorite solution or gas chlorine, and potassium permanganate may be fed as sodium permanganate instead.

5.4 Filtration

Both filter media types were effective in removing iron and manganese and successfully operated at a loading rate of 3.0 gpm/ft^2, but there wasn't a significant difference in effectiveness. Although there wasn't a significant difference between the two filter media types, SEH recommends the use of 12 inches of anthracite over 18 inches of Greensand Plus™, rather than 12 inches of anthracite over 18 inches of silica sand for full-scale filters. This is because Greensand Plus™ is a filter media that is coated with manganese dioxides that further aid in the removal of manganese.

Figure 3 – Well #3 Manganese Results

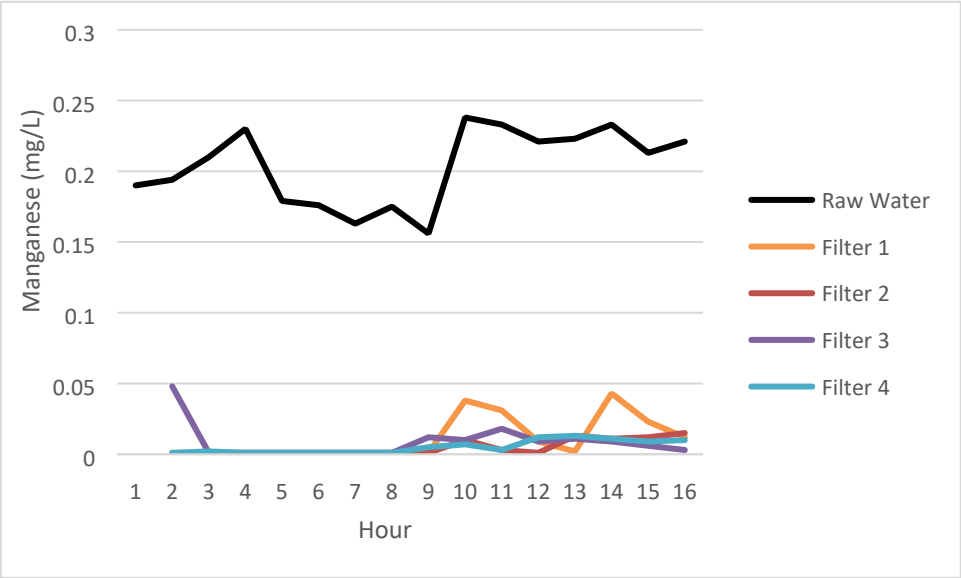


Figure 4 – Well #3 Iron Results

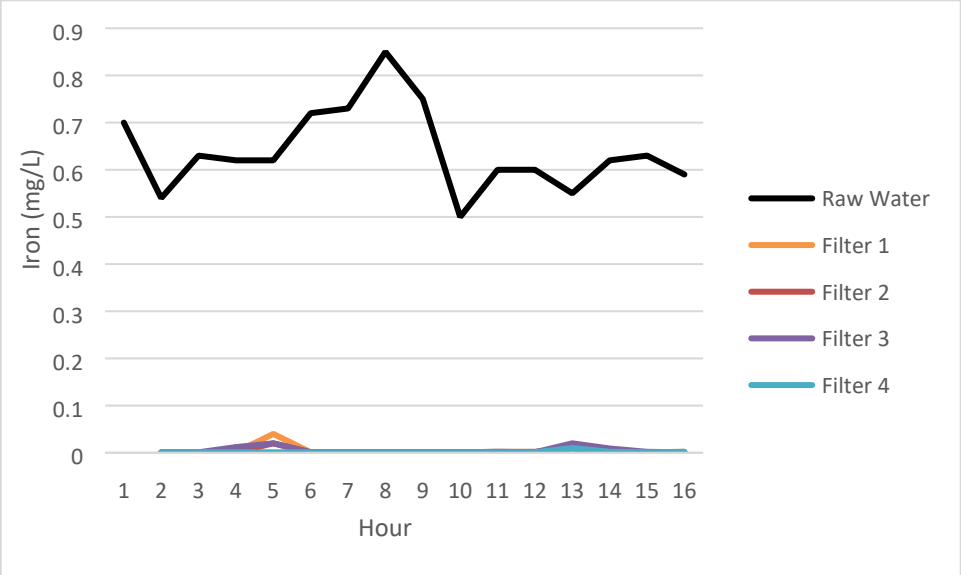


Figure 5 – Well #4 Manganese Results

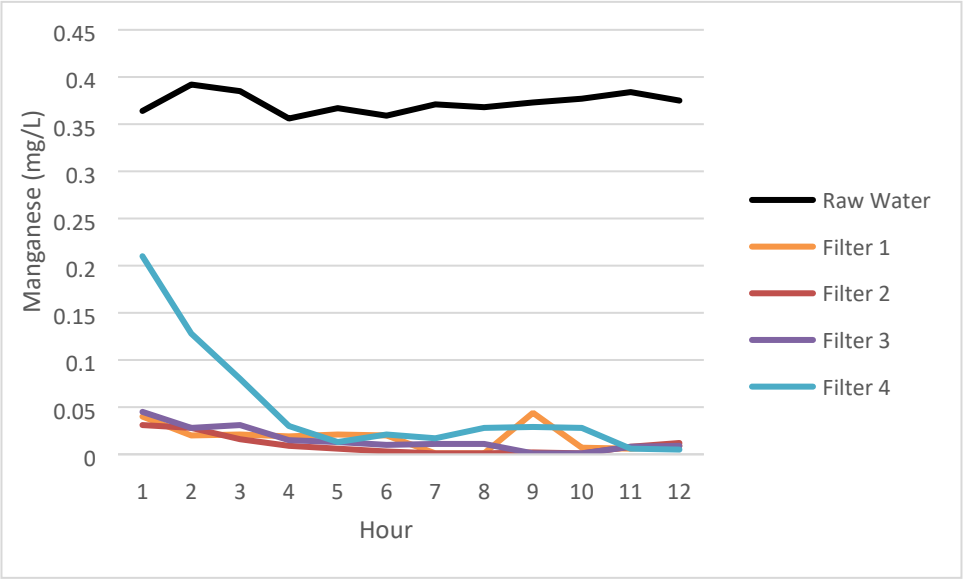
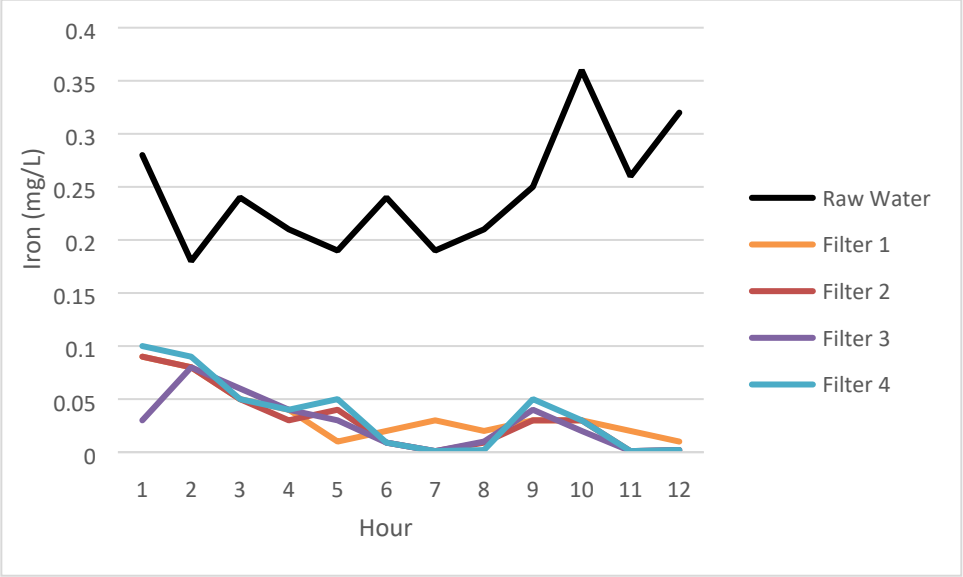


Figure 6 – Well #4 Iron Results



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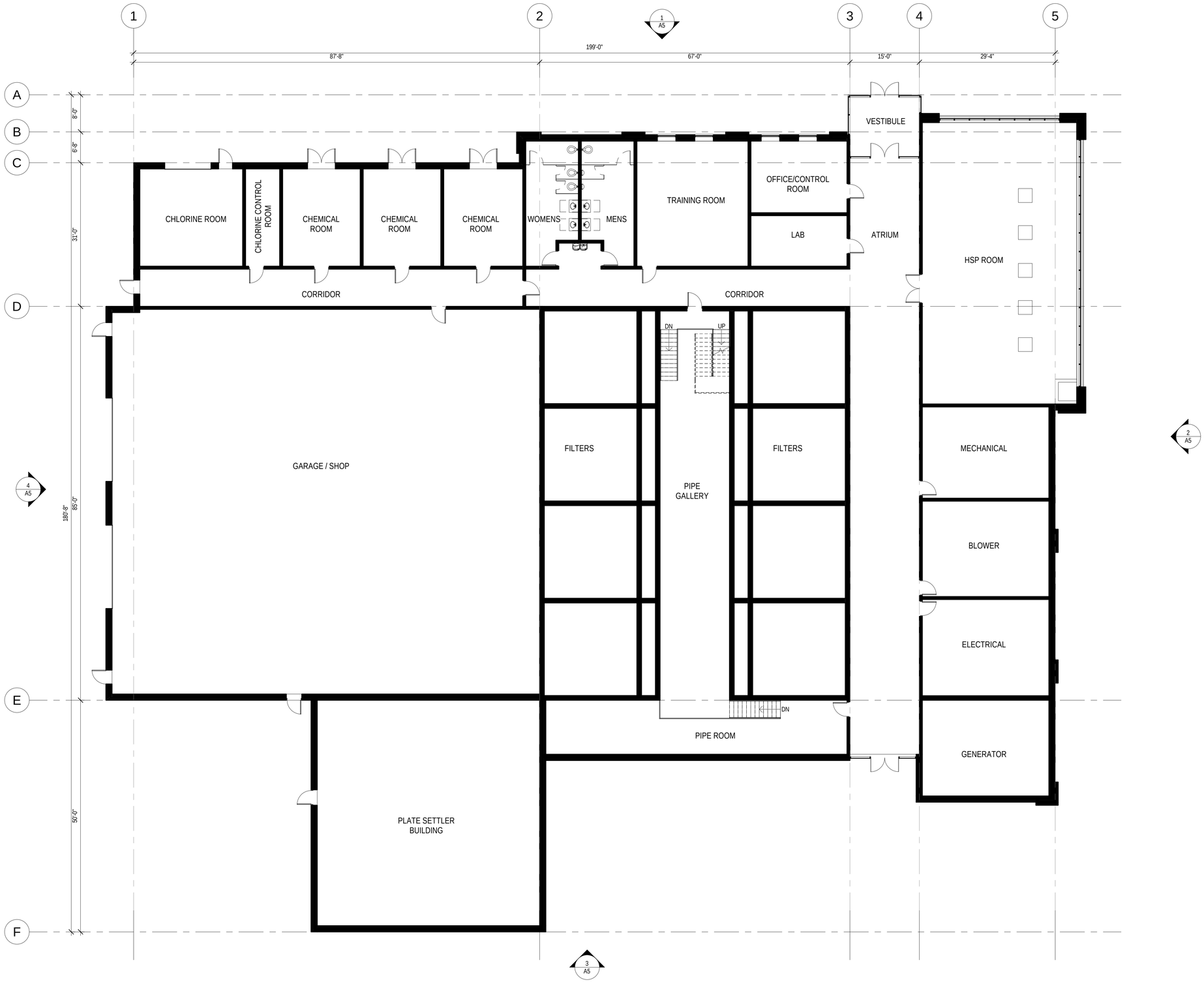
Appendix F

Gravity Filter Layouts



1 A3 MAIN LEVEL FLOOR PLAN - ALTERNATIVE 1 - WITH GARAGE

3/32" = 1'-0"

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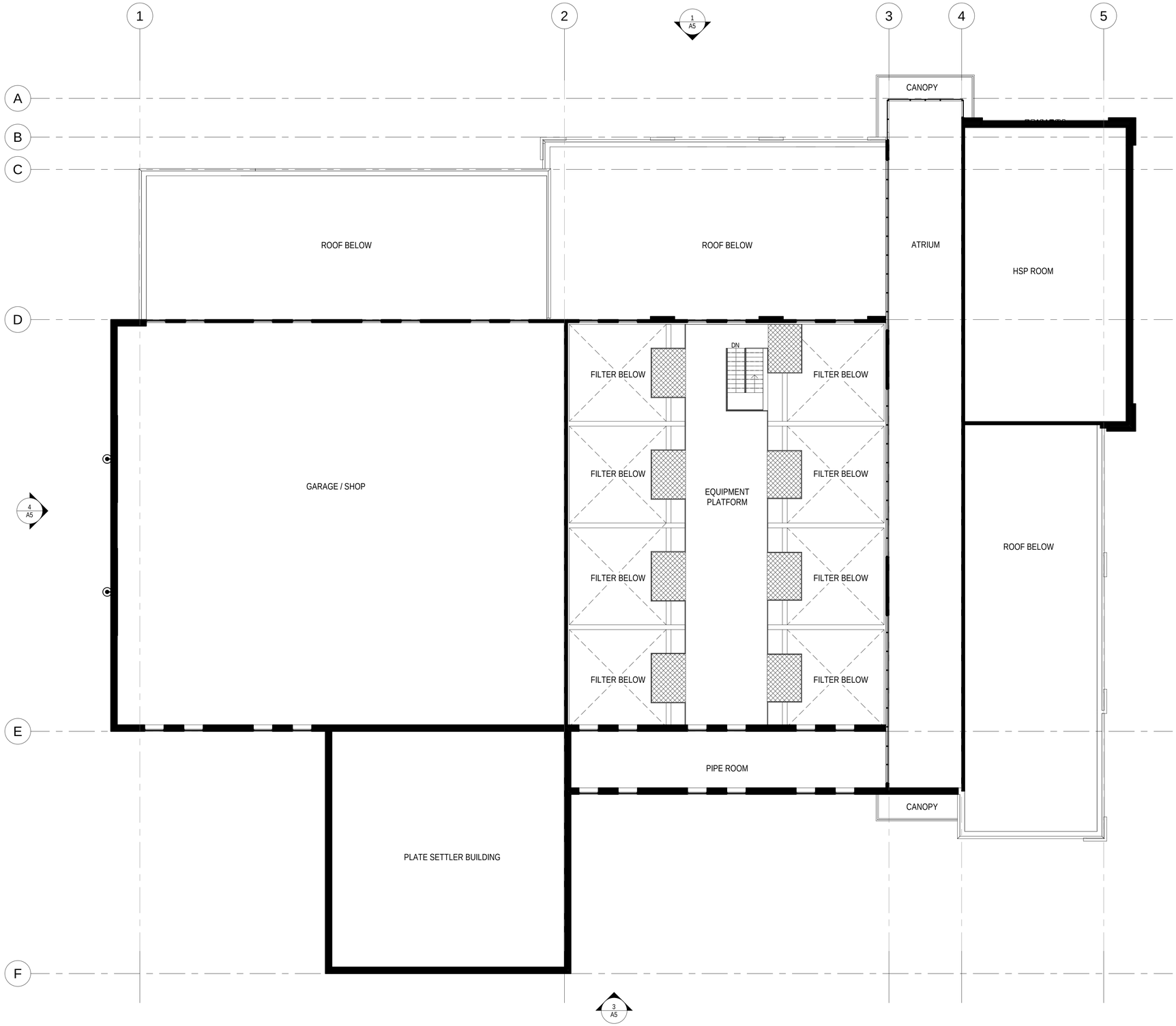
WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| MAIN LEVEL FLOOR PLAN | RAMSEY, MN | 06/2020 |



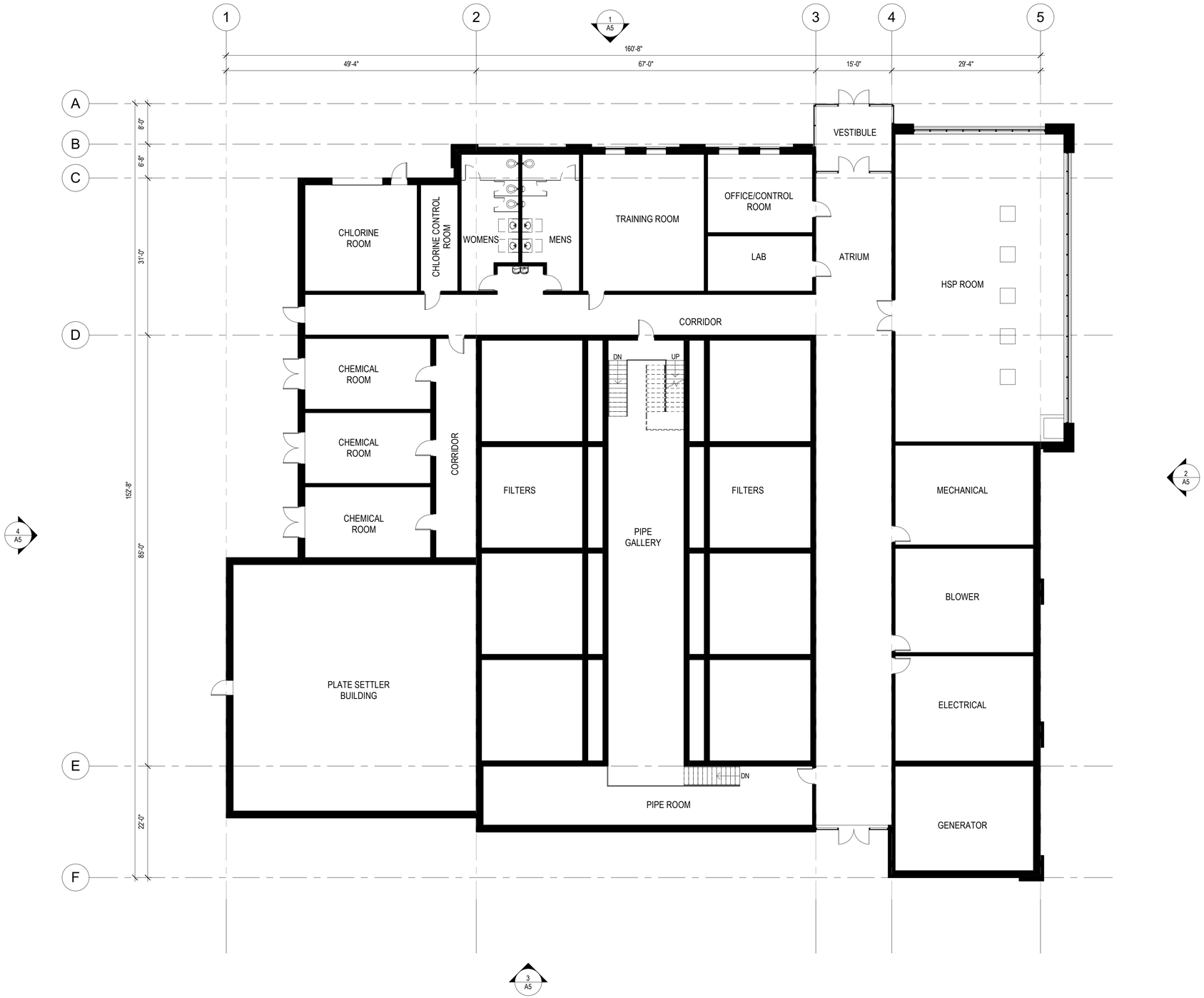
1 A4 UPPER LEVEL FLOOR PLAN - ALTERNATIVE 1 - WITH GARAGE

3/32" = 1'-0"

SEH

WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| UPPER LEVEL FLOOR PLAN | RAMSEY, MN | 06/2020 |



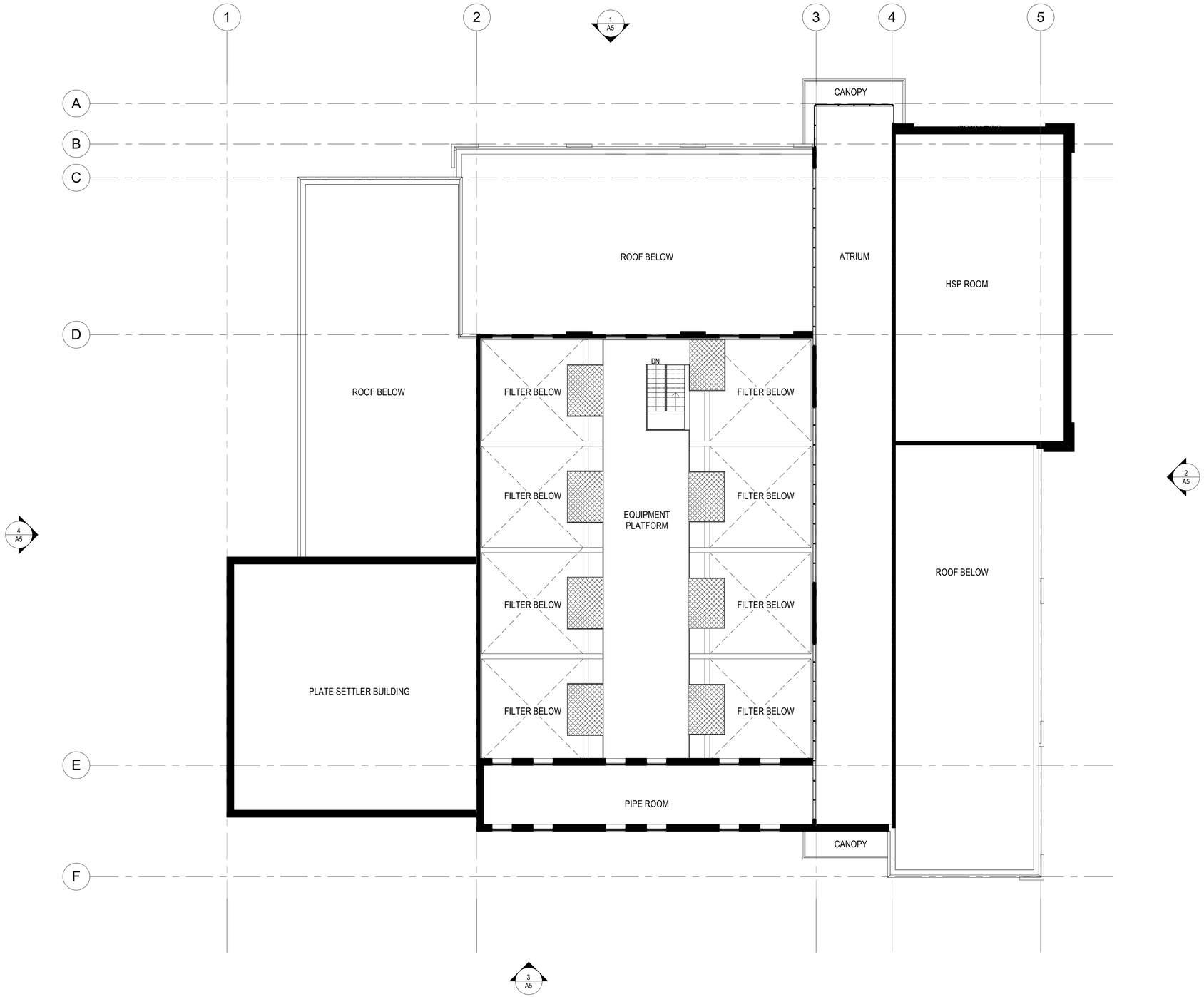
1 A3 MAIN LEVEL FLOOR PLAN - ALTERNATIVE 1 - NO GARAGE

3/32" = 1'-0"

SEH

WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| MAIN LEVEL FLOOR PLAN | RAMSEY, MN | 11/2020 |



1 A4 UPPER LEVEL FLOOR PLAN - ALTERNATIVE 1 - NO GARAGE

3/32" = 1'-0"

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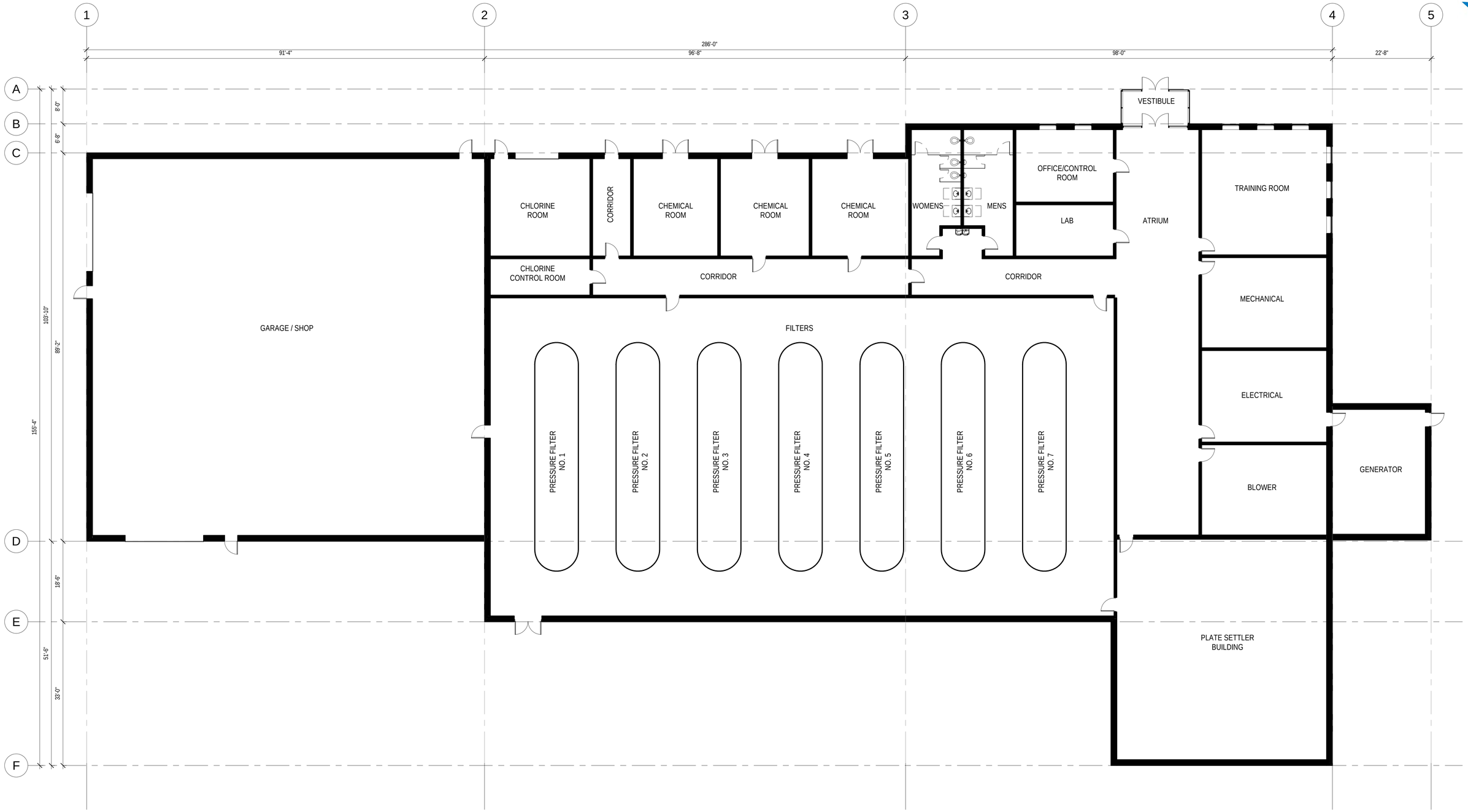
WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

Appendix G

Pressure Filter Layouts



1 / A2 MAIN LEVEL FLOOR PLAN - ALTERNATIVE 2

3/32" = 1'-0"

WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 2 - PRESSURE FILTER WATER TREATMENT PLANT

| MAIN LEVEL FLOOR PLAN | RAMSEY, MN | 06/2020 |

Appendix H

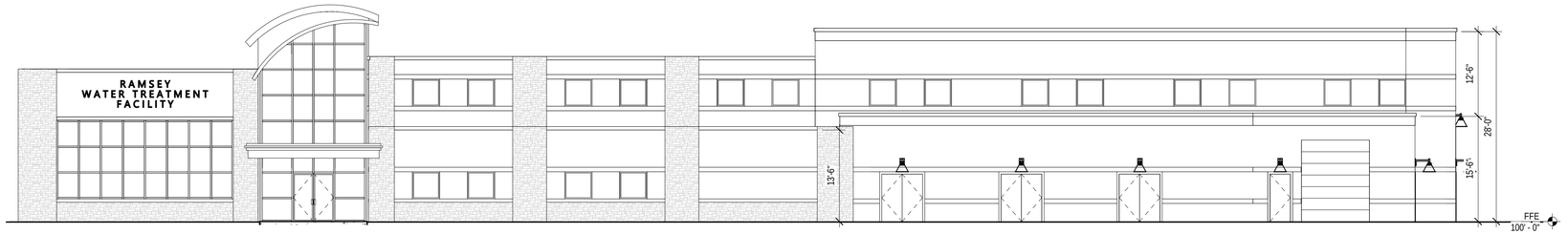
Architectural Renderings

1
A1 EXTERIOR RENDERING - ALTERNATIVE 1

1
A2 EXTERIOR RENDERING - ALTERNATIVE 1

WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| EXTERIOR RENDERING | RAMSEY, MN | 06/2020 |



1 / A5 EXTERIOR ELEVATION - FRONT - ALTERNATIVE 1

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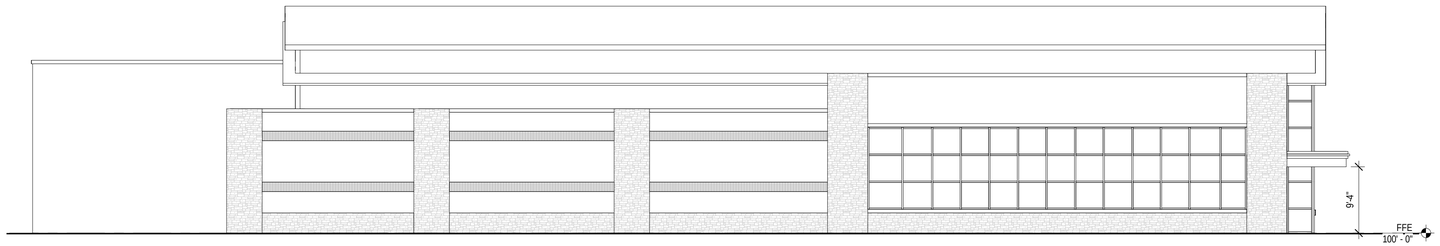

2 / A5 EXTERIOR ELEVATION - LEFT - ALTERNATIVE 1

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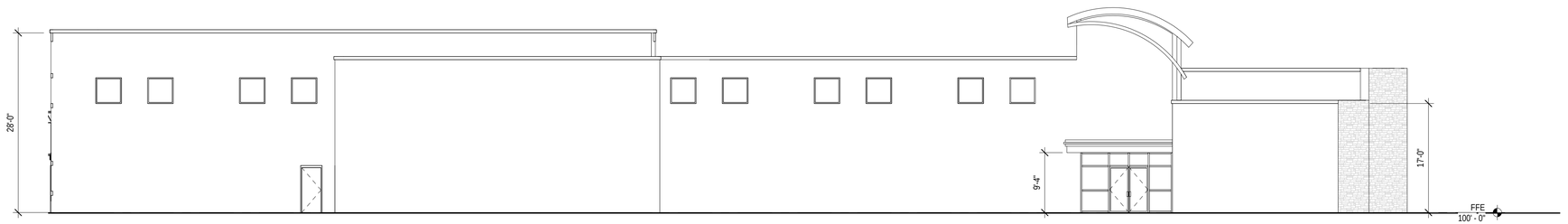

3 / A5 EXTERIOR ELEVATION - BACK - ALTERNATIVE 1

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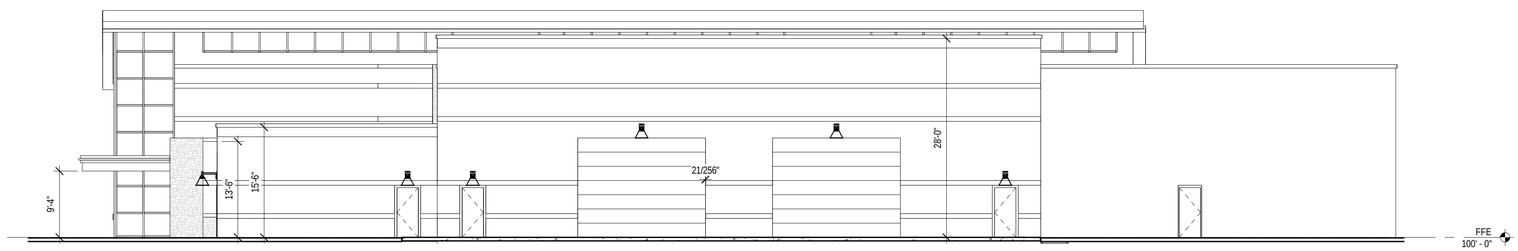

4 / A5 EXTERIOR ELEVATION - RIGHT - ALTERNATIVE 1

3/32" = 1'-0"

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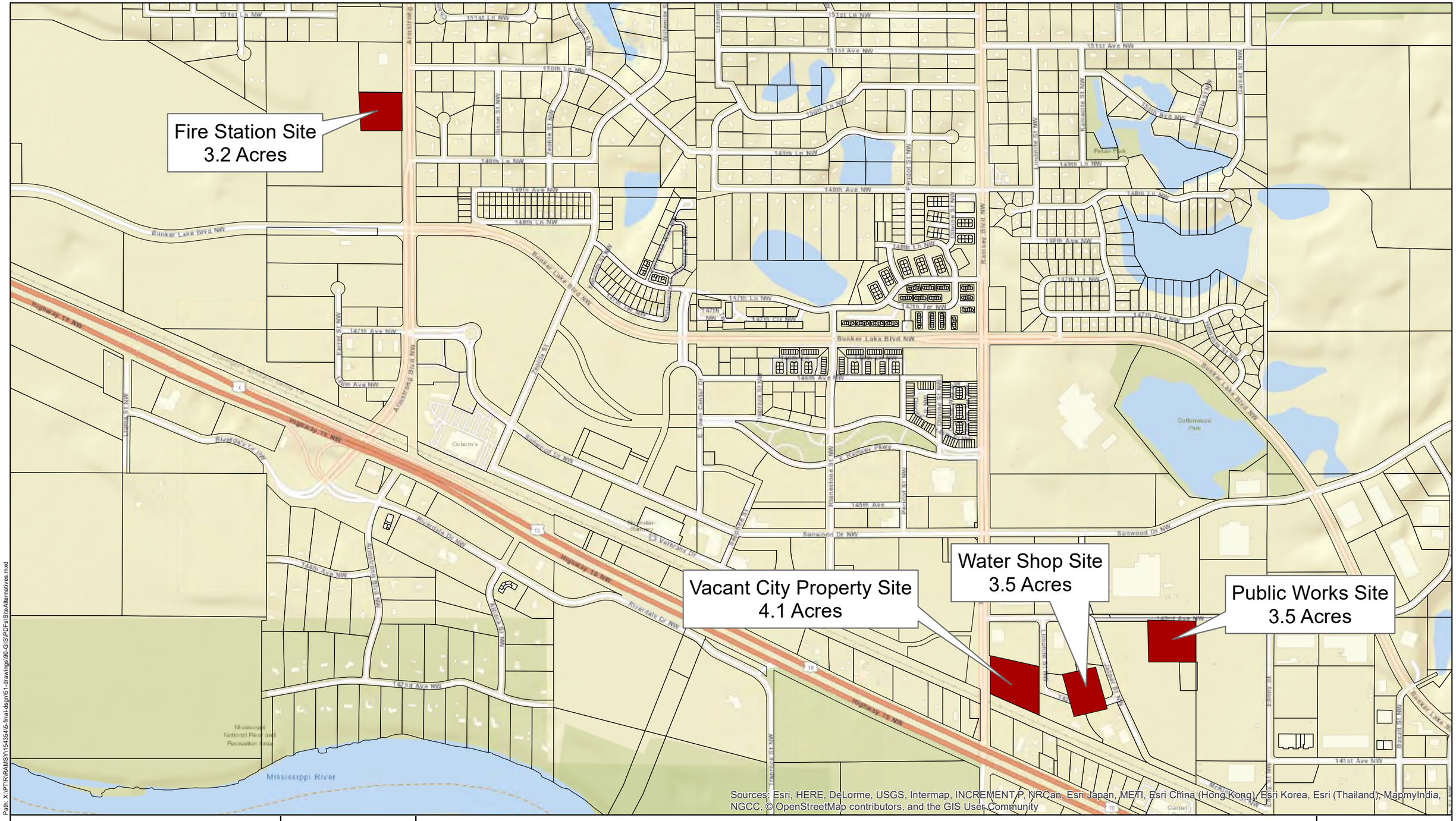
WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| EXTERIOR ELEVATIONS | RAMSEY, MN | 06/2020 |

Appendix I

Treatment Plant Sites and Raw Watermain



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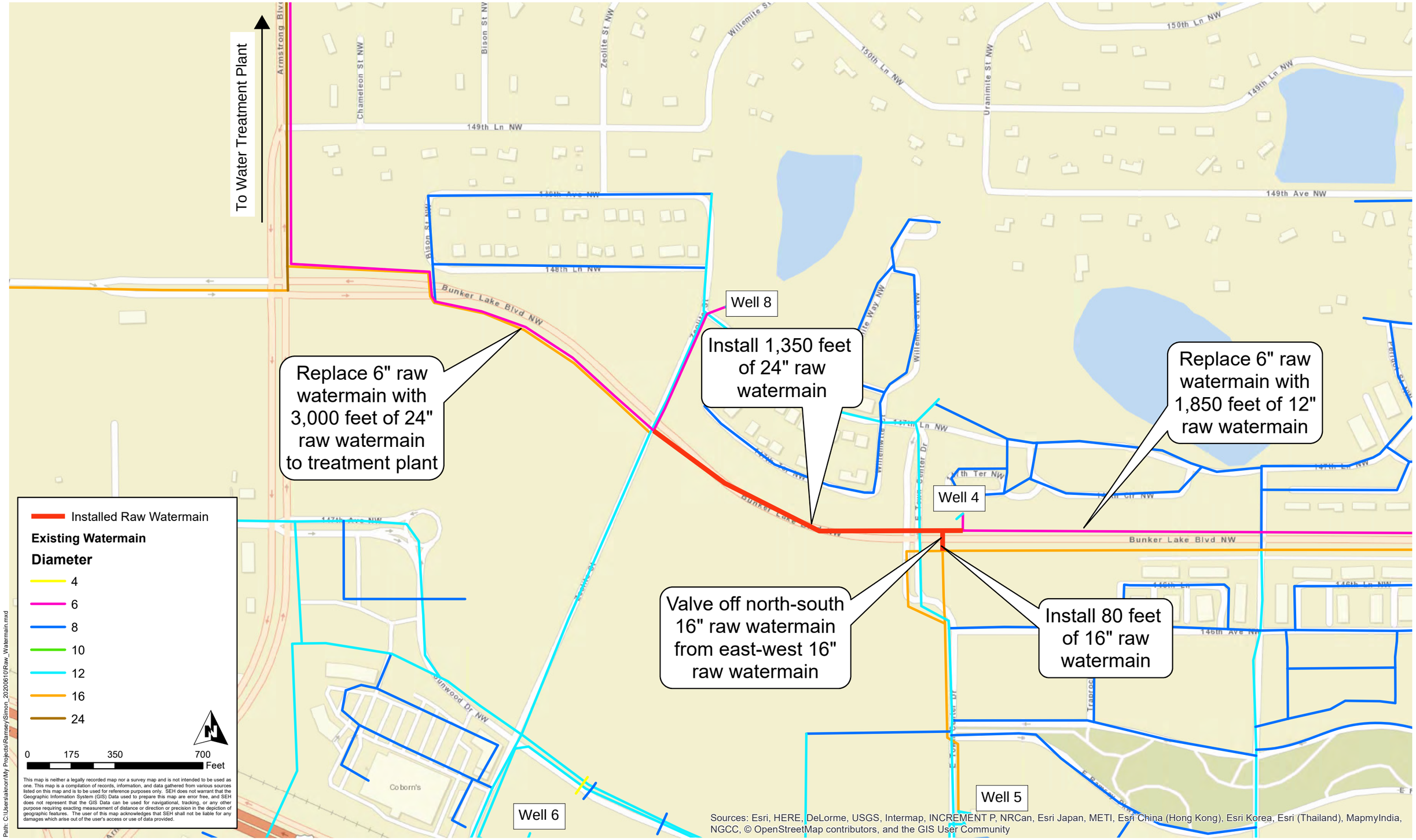
WTP SITE ALTERNATIVES

Ramey, Minnesota

Figure
1

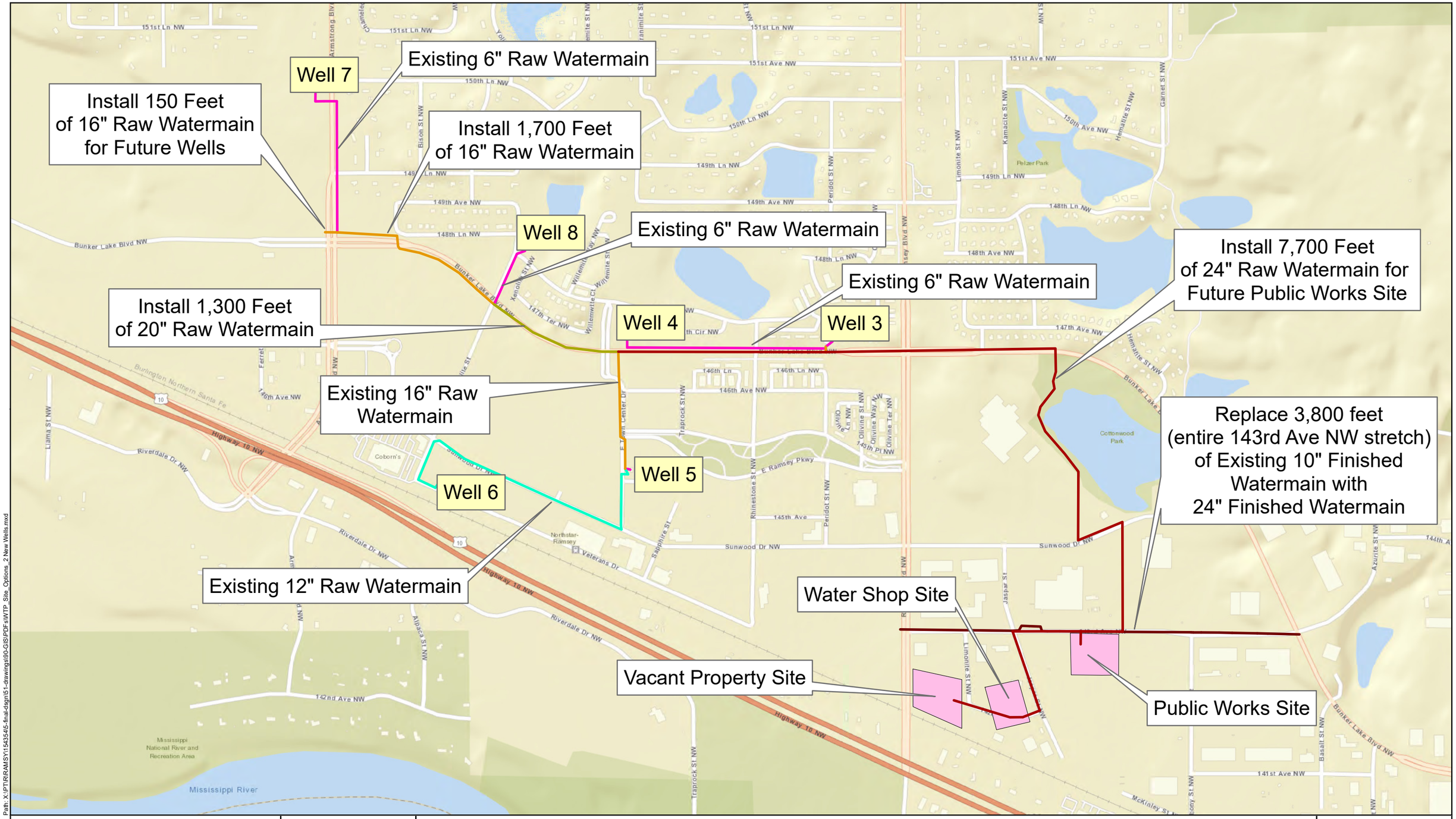


Project Number: RAMSY 154354
Print Date: Print Date: 6/16/2020

RAW WATERMAIN - FIRE STATION SITE

Ramsey, Minnesota

Figure 2
Raw Watermain



Path: X:\PT\RR\RAMSY\115435\45-final-dsgn\51-drawings\90-GIS\PDF's\WTP_Site_Options_2 New Wells.mxd

SEH
3535 VADNAIS CENTER DR.
ST. PAUL, MN 55110
PHONE: (651) 490-2000
FAX: (888) 908-8166
TF: (800) 325-2055
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Project: RAMSY 154354
Print Date: 3/1/2021

WATERMAIN - PUBLIC WORKS, WATER SHOP, OR VACANT PROPERTY SITES

Ramsey, Minnesota

Figure 3

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WTP Alternatives - Fire Station Site

Ramsey, Minneota

Figure
4

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WTP Alternatives - Public Works Site

Ramsey, Minneota

Figure 5

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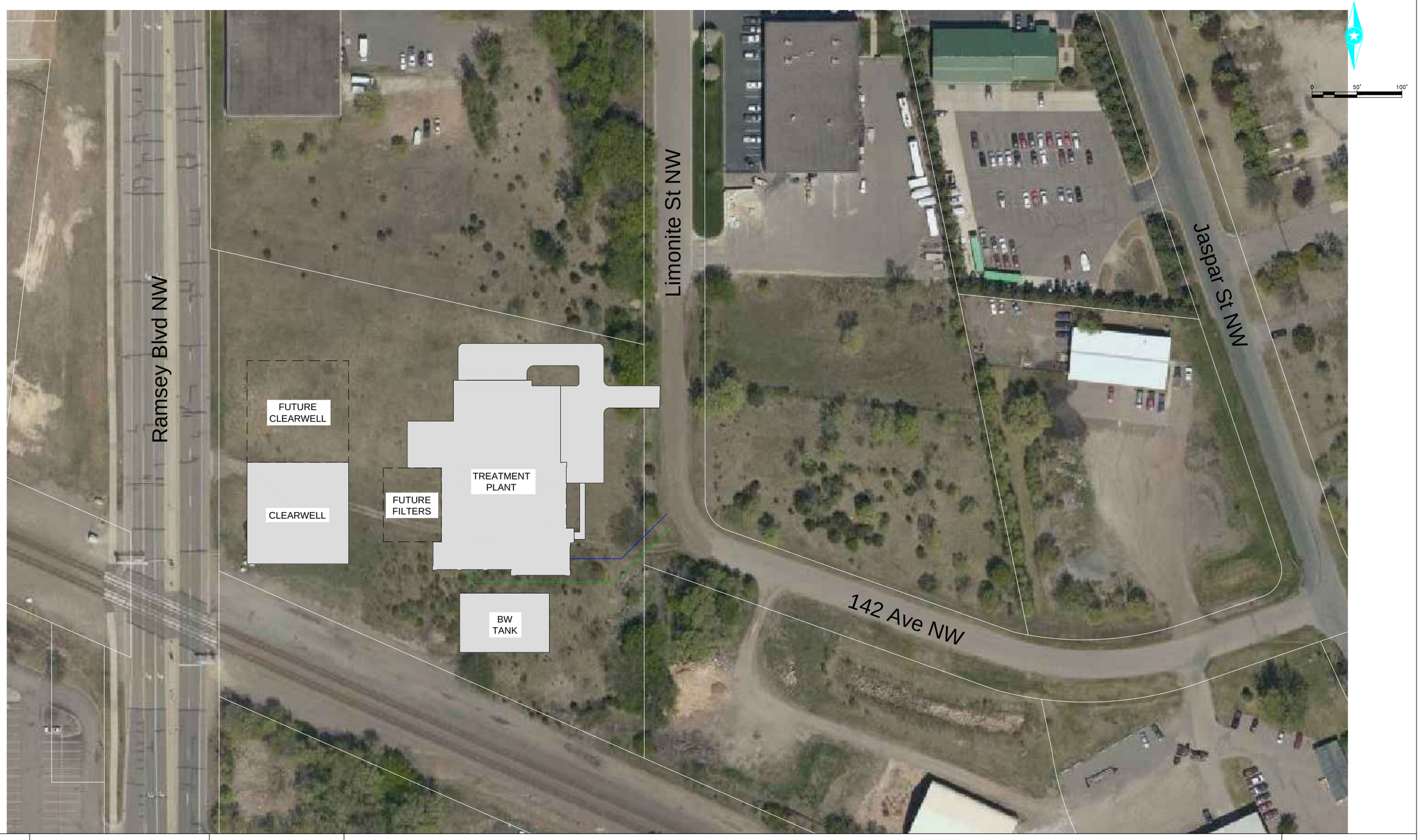
WTP Alternatives - Water Shop Site

Ramsey, Minneota

Figure 6



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WTP Alternatives - Vacant City Property Site

Ramsey, Minneota

Figure
7

Appendix J

Capital Cost Opinions

Project Name:	**Ramsey WTP Feasibility Study**
SEH Project No:	**154354**
Date:	**March 3, 2021**
Estimator:	**MBJ**
Description:	**Alternative 1 - Concrete Gravity WTP**

DIVISION 1 - GENERAL REQUIREMENTS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
GENERAL CONDITIONS	LUMP SUM	1	$ 2,368,955.00	$ 2,368,955.00
SUBTOTAL DIVISION 0 AND 01				*$ 2,368,955.00*
DIVISION 3 - CONCRETE	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
CAST IN PLACE CONCRETE - BACKWASH TANKS	CU YD	950	$ 1,100.00	$ 1,045,000.00
CAST IN PLACE CONCRETE - CLEARWELL	CU YD	1500	$ 1,100.00	$ 1,650,000.00
CAST IN PLACE CONCRETE - FILTERS	CU YD	1050	$ 1,100.00	$ 1,155,000.00
CAST IN PLACE CONCRETE - SLAB ON GRADE/FOOTINGS	CU YD	600	$ 900.00	$ 540,000.00
PRECAST STRUCTURAL CONCRETE - 8" PLANK	SQ FT	9800	$ 25.00	$ 245,000.00
PRECAST STRUCTURAL CONCRETE - 12" PLANK	SQ FT	12700	$ 35.00	$ 444,500.00
SUBTOTAL DIVISION 3				*$ 5,079,500.00*
DIVISION 4 - MASONRY	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
BRICK/STONE VENEER	SF	14600	$ 40.00	$ 584,000.00
CONCRETE UNIT MASONRY	SQ FT	34000	$ 35.00	$ 1,190,000.00
SUBTOTAL DIVISION 4				*$ 1,774,000.00*
DIVISION 5 - METALS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
RAILING, ALUMINUM - WTP	LIN FT	1000	$ 115.00	$ 115,000.00
MISCELLANEOUS METALS - WTP	LUMP SUM	1	$ 200,000.00	$ 200,000.00
SUBTOTAL DIVISION 5				*$ 315,000.00*
DIVISION 6 - WOOD, PLASTICS & COMPOSITES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
PLASTIC FABRICATIONS - FRP LADDERS	EACH	14	$ 3,000.00	$ 42,000.00
ROUGH CARPENTRY	LUMP SUM	1	$ 40,000.00	$ 40,000.00
GYPSUM DRYWALL	SF	8000	$ 4.00	$ 32,000.00
SUBTOTAL DIVISION 6				*$ 114,000.00*
DIVISION 7 - THERMAL & MOISTURE PROTECTION	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
JOINT SEALANTS	LUMP SUM	1	$ 40,000.00	$ 40,000.00
WATERPROOFING/AIR BARRIER	LUMP SUM	1	$ 200,000.00	$ 200,000.00
MEMBRANE ROOFING AND INSULATION	SF	21600	$ 25.00	$ 540,000.00
SUBTOTAL DIVISION 7				*$ 780,000.00*
DIVISION 8 - OPENINGS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
FRP DOORS (SINGLE LEAF)	EACH	30	$ 3,300.00	$ 99,000.00
FRP DOORS (DOUBLE LEAF)	EACH	3	$ 6,600.00	$ 19,800.00
OVERHEAD DOOR - CHLORINE ROOM	EACH	1	$ 17,500.00	$ 17,500.00
ALUMINUM STOREFRONT	LUMP SUM	1	$ 260,000.00	$ 260,000.00
WINDOWS	EACH	28	$ 3,000.00	$ 84,000.00
FIRE RATED ALUM. FRAME AND GLASS	LUMP SUM	1	$ 5,000.00	$ 5,000.00
TANK HATCHES	UNIT	10	$ 3,000.00	$ 30,000.00
LOUVERS	LUMP SUM	1	$ 20,000.00	$ 20,000.00
SUBTOTAL DIVISION 8				*$ 535,300.00*
DIVISION 9 - FINISHES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
ACOUSTICAL CEILING	SF	2000	$ 6.00	$ 12,000.00
FLOORING - TILE AND CARPET	LUMP SUM	1	$ 170,000.00	$ 170,000.00
WALL & CEILING PAINTING	SF	69000	$ 3.00	$ 207,000.00
EQUIPMENT/PROCESS PIPING PAINTING	LUMP SUM	1	$ 150,000.00	$ 150,000.00
SUBTOTAL DIVISION 9				*$ 539,000.00*
DIVISION 10 - SPECIALTIES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
TOILET ACCESSORIES	LUMP SUM	2	$ 2,500.00	$ 5,000.00
FIRE EXTINGUISHERS	EACH	10	$ 250.00	$ 2,500.00
INTERIOR PANEL SIGNAGE	LUMP SUM	1	$ 3,000.00	$ 3,000.00
SUBTOTAL DIVISON 10				*$ 10,500.00*
DIVISION 12 - FURNISHINGS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
METAL CASEWORK - BASE AND UPPERS	LUMP SUM	1	$ 35,000.00	$ 35,000.00

FURNITURE	LUMP SUM	1	$ 30,000.00	$ 30,000.00
SUBTOTAL DIVISION 12				*$ 65,000.00*
DIVISION 21 - FIRE SUPPRESSION	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
FIRE PROTECTION SYSTEM (WET)	LUMP SUM	1	$ 75,000.00	$ 75,000.00
SUBTOTAL DIVISION 21				*$ 75,000.00*
DIVISION 22 - PLUMBING	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
PLUMBING	LUMP SUM	1	$ 430,000.00	$ 430,000.00
SUBTOTAL DIVISION 22				*$ 430,000.00*
DIVISION 23 - HVAC	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
HVAC	LUMP SUM	1	$ 910,000.00	$ 910,000.00
SUBTOTAL DIVISION 23				*$ 910,000.00*
DIVISION 26 - ELECTRICAL	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
ELECTRICAL	LUMP SUM	1	$ 2,900,000.00	$ 2,900,000.00
SUBTOTAL DIVISION 26				*$ 2,900,000.00*
DIVISION 31 - EARTHWORK	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
CLEAR AND GRUB	ACRE	2.00	$ 10,000.00	$ 20,000.00
BUILDING EXCAVATION	CU YD	8500	$ 15.00	$ 127,500.00
CLEARWELL EXCAVATION	CU YD	8000	$ 15.00	$ 120,000.00
BACKWASH TANK	CU YD	7500	$ 15.00	$ 112,500.00
HAULING EARTH	CU YD	12000	$ 8.00	$ 96,000.00
BACKFILLING & COMPACTING	CU YD	15000	$ 25.00	$ 375,000.00
EROSION CONTROL	EACH	1	$ 30,000.00	$ 30,000.00
SUBTOTAL DIVISION 31				*$ 881,000.00*
DIVISION 32 - EXTERIOR IMPROVEMENTS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
AGGREGATE BASE (CL 5)	CU YD	1500	$ 40.00	$ 60,000.00
BITUMINOUS PAVEMENT	TON	1300	$ 100.00	$ 130,000.00
4" CONCRETE SIDEWALK	SQ FT	4000	$ 10.00	$ 40,000.00
TOPSOIL BORROW (3" DEPTH)	CU YD	500	$ 25.00	$ 12,500.00
LANDSCAPING	LUMP SUM	1.0	$ 40,000.00	$ 40,000.00
CHAIN LIKE FENCE	LIN FT	1200	$ 90.00	$ 108,000.00
SUBTOTAL DIVISION 32				*$ 390,500.00*
DIVISION 33 - UTILITIES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
24" RAW WATERMAIN	LIN FT	7300	$ 230	$ 1,679,000.00
24" ROAD CROSSING (RAMSEY BLVD and BUNKER LAKE BLVD) - JACKED CASING	LIN FT	400	$ 525	$ 210,000.00
24" FINISHED WATERMAIN	LIN FT	3800	$ 230	$ 874,000.00
20" RAW WATERMAIN	LIN FT	1300	$ 185	$ 240,500.00
16" RAW WATERMAIN	LIN FT	1750	$ 165	$ 288,750.00
16" RAW WATERMAIN (ARMSTRONG BLVD) - JACKED CASING	LIN FT	100	$ 425	$ 42,500.00
WELL 8 METER VAULT	LUMP SUM	1	$ 90,000	$ 90,000.00
HYDRANTS	EACH	4	$ 10,000	$ 40,000.00
SITE PROCESS PIPING	LUMP SUM	1	$ 450,000	$ 450,000.00
SANITARY SEWER	LUMP SUM	1	$ 50,000.00	$ 50,000.00
STORM SEWER	LUMP SUM	1	$ 40,000.00	$ 40,000.00
SUBTOTAL DIVISION 33				*$ 4,004,750.00*
DIVISION 40 - PROCESS INTERCONNECTIONS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
PROCESS PIPING AND VALVES	LUMP SUM	1	$ 2,700,000.00	$ 2,700,000.00
SUBTOTAL DIVISION 40				*$ 2,700,000.00*
DIVISION 43 - PROCESS GAS & LIQUID HANDLING, PURIFICATION & STORAGE EQUI	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
HIGH SERVICE VERTICAL TURBINE PUMPS	EACH	5	$ 50,000.00	$ 250,000.00
BACKWASH VERTICAL TURBINE PUMP	EACH	1	$ 50,000.00	$ 50,000.00
MAGNETIC FLOW METERS	LUMP SUM	1	$ 80,000.00	$ 80,000.00
SUBTOTAL DIVISION 43				*$ 380,000.00*
DIVISION 44 - POLLUTION & CONTROL EQUIPMENT	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
COMPRESSED AIR SYSTEM	LUMP SUM	1	$ 16,000.00	$ 16,000.00
AIR SCOUR BLOWER	EACH	1	$ 25,000.00	$ 25,000.00
GRAVITY FILTER EQUIPMENT	LUMP SUM	1	$ 900,000.00	$ 900,000.00
LAMELLA PLATE SETTLERS	EACH	2	$ 350,000.00	$ 700,000.00
GAS CHLORINATION SYSTEM	LUMP SUM	1	$ 50,000.00	$ 50,000.00
POLYPHOSPHATE FEED EQUIPMENT	LUMP SUM	1	$ 25,000.00	$ 25,000.00

SODIUM PERMANGANATE FEED EQUIPMENT	LUMP SUM	1	$ 40,000.00	$ 40,000.00
CHEMICAL FEED PIPING	LUMP SUM	1	$ 50,000.00	$ 50,000.00
				$ 1,806,000.00
SUBTOTAL CONSTRUCTION				**$ 26,060,000.00**
CONTINGENCY			10%	$ 2,606,000.00
TOTAL CONSTRUCTION				**$ 28,670,000.00**

Project Name:	**Ramsey WTP Feasibility Study**
SEH Project No:	**154354**
Date:	**March 4, 2021**
Estimator:	**MBJ**
Description:	**Alternative 2 - Pressure Filter WTP**

DIVISION 1 - GENERAL REQUIREMENTS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
GENERAL CONDITIONS	LUMP SUM	1	$ 2,251,435.00	$ 2,251,435.00
SUBTOTAL DIVISION 0 AND 01				*$ 2,251,435.00*
DIVISION 3 - CONCRETE	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
CAST IN PLACE CONCRETE - BACKWASH TANKS	CU YD	950	$ 1,100.00	$ 1,045,000.00
CAST IN PLACE CONCRETE - SLAB ON GRADE/FOOTINGS	CU YD	1600	$ 1,100.00	$ 1,760,000.00
PRECAST STRUCTURAL CONCRETE - 8" PLANK	SQ FT	8500	$ 25.00	$ 212,500.00
PRECAST STRUCTURAL CONCRETE - 12" PLANK	SQ FT	10300	$ 35.00	$ 360,500.00
SUBTOTAL DIVISION 3				*$ 3,378,000.00*
DIVISION 4 - MASONRY	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
BRICK/STONE VENEER	SF	12600	$ 40.00	$ 504,000.00
CONCRETE UNIT MASONRY	SQ FT	27000	$ 35.00	$ 945,000.00
SUBTOTAL DIVISION 4				*$ 1,449,000.00*
DIVISION 5 - METALS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
MISCELLANEOUS METALS - WTP	LUMP SUM	1	$ 150,000.00	$ 150,000.00
SUBTOTAL DIVISION 5				*$ 150,000.00*
DIVISION 6 - WOOD, PLASTICS & COMPOSITES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
PLASTIC FABRICATIONS - FRP LADDERS	EACH	6	$ 3,000.00	$ 18,000.00
ROUGH CARPENTRY	LUMP SUM	1	$ 30,000.00	$ 30,000.00
GYPSUM DRYWALL	SF	8000	$ 4.00	$ 32,000.00
SUBTOTAL DIVISION 6				*$ 80,000.00*
DIVISION 7 - THERMAL & MOISTURE PROTECTION	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
JOINT SEALANTS	LUMP SUM	1	$ 40,000.00	$ 40,000.00
WATERPROOFING/AIR BARRIER	LUMP SUM	1	$ 200,000.00	$ 200,000.00
MEMBRANE ROOFING AND INSULATION	SF	22200	$ 25.00	$ 555,000.00
SUBTOTAL DIVISION 7				*$ 795,000.00*
DIVISION 8 - OPENINGS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
FRP DOORS (SINGLE LEAF)	EACH	26	$ 3,300.00	$ 85,800.00
FRP DOORS (DOUBLE LEAF)	EACH	3	$ 6,600.00	$ 19,800.00
OVERHEAD DOOR - CHLORINE ROOM	EACH	1	$ 17,500.00	$ 17,500.00
ALUMINUM STOREFRONT	LUMP SUM	1	$ 200,000.00	$ 200,000.00
WINDOWS	EACH	28	$ 3,000.00	$ 84,000.00
FIRE RATED ALUM. FRAME AND GLASS	LUMP SUM	1	$ 5,000.00	$ 5,000.00
TANK HATCHES	UNIT	6	$ 3,000.00	$ 18,000.00
LOUVERS	LUMP SUM	1	$ 20,000.00	$ 20,000.00
SUBTOTAL DIVISION 8				*$ 450,100.00*
DIVISION 9 - FINISHES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
ACOUSTICAL CEILING	SF	2000	$ 6.00	$ 12,000.00
FLOORING - TILE AND CARPET	LUMP SUM	1	$ 150,000.00	$ 150,000.00
WALL & CEILING PAINTING	SF	48000	$ 3.00	$ 144,000.00
EQUIPMENT/PROCESS PIPING PAINTING	LUMP SUM	1	$ 275,000.00	$ 275,000.00
SUBTOTAL DIVISION 9				*$ 581,000.00*
DIVISION 10 - SPECIALTIES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
TOILET ACCESSORIES	LUMP SUM	2	$ 2,500.00	$ 5,000.00
FIRE EXTINGUISHERS	EACH	10	$ 250.00	$ 2,500.00
INTERIOR PANEL SIGNAGE	LUMP SUM	1	$ 3,000.00	$ 3,000.00
SUBTOTAL DIVISON 10				*$ 10,500.00*
DIVISION 12 - FURNISHINGS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
METAL CASEWORK - BASE AND UPPERS	LUMP SUM	1	$ 35,000.00	$ 35,000.00
FURNITURE	LUMP SUM	1	$ 30,000.00	$ 30,000.00
SUBTOTAL DIVISION 12				*$ 65,000.00*
DIVISION 21 - FIRE SUPPRESSION	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**

FIRE PROTECTION SYSTEM (WET)	LUMP SUM	1	$ 75,000.00	$ 75,000.00
SUBTOTAL DIVISION 21				*$ 75,000.00*
DIVISION 22 - PLUMBING	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
PLUMBING	LUMP SUM	1	$ 430,000.00	$ 430,000.00
SUBTOTAL DIVISION 22				*$ 430,000.00*
DIVISION 23 - HVAC	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
HVAC	LUMP SUM	1	$ 835,000.00	$ 835,000.00
SUBTOTAL DIVISION 23				*$ 835,000.00*
DIVISION 26 - ELECTRICAL	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
ELECTRICAL	LUMP SUM	1	$ 2,200,000.00	$ 2,200,000.00
SUBTOTAL DIVISION 26				*$ 2,200,000.00*
DIVISION 31 - EARTHWORK	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
CLEAR AND GRUB	ACRE	2.00	$ 10,000.00	$ 20,000.00
BUILDING EXCAVATION	CU YD	4000	$ 15.00	$ 60,000.00
BACKWASH TANK	CU YD	7500	$ 15.00	$ 112,500.00
HAULING EARTH	CU YD	4000	$ 8.00	$ 32,000.00
BACKFILLING & COMPACTING	CU YD	4000	$ 25.00	$ 100,000.00
EROSION CONTROL	EACH	1	$ 30,000.00	$ 30,000.00
SUBTOTAL DIVISION 31				*$ 354,500.00*
DIVISION 32 - EXTERIOR IMPROVEMENTS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
AGGREGATE BASE (CL 5)	CU YD	1500	$ 40.00	$ 60,000.00
BITUMINOUS PAVEMENT	TON	1300	$ 100.00	$ 130,000.00
4" CONCRETE SIDEWALK	SQ FT	4000	$ 10.00	$ 40,000.00
TOPSOIL BORROW (3" DEPTH)	CU YD	500	$ 25.00	$ 12,500.00
LANDSCAPING	LUMP SUM	1.0	$ 40,000.00	$ 40,000.00
CHAIN LIKE FENCE	LIN FT	1200	$ 90.00	$ 108,000.00
SUBTOTAL DIVISION 32				*$ 390,500.00*
DIVISION 33 - UTILITIES	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
24" RAW WATERMAIN	LIN FT	7300	$ 230	$ 1,679,000.00
24" ROAD CROSSING (RAMSEY BLVD and BUNKER LAKE BLVD) - JACKED CASING	LIN FT	400	$ 525	$ 210,000.00
24" FINISHED WATERMAIN	LIN FT	3800	$ 230	$ 874,000.00
20" RAW WATERMAIN	LIN FT	1300	$ 185	$ 240,500.00
16" RAW WATERMAIN	LIN FT	1750	$ 165	$ 288,750.00
16" RAW WATERMAIN (ARMSTRONG BLVD) - JACKED CASING	LIN FT	100	$ 425	$ 42,500.00
WELL 8 METER VAULT	LUMP SUM	1	$ 90,000	$ 90,000.00
HYDRANTS	EACH	4	$ 10,000.00	$ 40,000.00
SITE PROCESS PIPING	LUMP SUM	1	$ 250,000.00	$ 250,000.00
SANITARY SEWER	LUMP SUM	1	$ 50,000.00	$ 50,000.00
STORM SEWER	LUMP SUM	1	$ 40,000.00	$ 40,000.00
SUBTOTAL DIVISION 33				*$ 3,804,750.00*
DIVISION 40 - PROCESS INTERCONNECTIONS	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
PROCESS PIPING AND VALVES	LUMP SUM	1	$ 2,950,000.00	$ 2,950,000.00
SUBTOTAL DIVISION 40				*$ 2,950,000.00*
DIVISION 43 - PROCESS GAS & LIQUID HANDLING, PURIFICATION & STORAGE EQUI	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
MAGNETIC FLOW METERS	LUMP SUM	1	$ 110,000.00	$ 110,000.00
SUBTOTAL DIVISION 43				*$ 110,000.00*
DIVISION 44 - POLLUTION & CONTROL EQUIPMENT	**UNIT**	**EST. QUANTITY**	**UNIT PRICE**	**AMOUNT**
COMPRESSED AIR SYSTEM	LUMP SUM	1	$ 16,000.00	$ 16,000.00
AIR SCOUR BLOWER	EACH	1	$ 25,000.00	$ 25,000.00
PRESSURE FILTER EQUIPMENT	LUMP SUM	1	$ 3,500,000.00	$ 3,500,000.00
LAMELLA PLATE SETTLERS	EACH	2	$ 350,000.00	$ 700,000.00
GAS CHLORINATION SYSTEM	LUMP SUM	1	$ 50,000.00	$ 50,000.00
POLYPHOSPHATE FEED EQUIPMENT	LUMP SUM	1	$ 25,000.00	$ 25,000.00
SODIUM PERMANGANATE FEED EQUIPMENT	LUMP SUM	1	$ 40,000.00	$ 40,000.00
CHEMICAL FEED PIPING	LUMP SUM	1	$ 50,000.00	$ 50,000.00
				$ 4,406,000.00
TOTAL CONSTRUCTION				**$ 24,766,000.00**
CONTINGENCY			10%	$ 2,477,000.00
TOTAL PROJECT				**$ 27,240,000.00**

Appendix K

Life Cycle Cost Opinions

Updated: 3-Mar-21

50 Year Life Cycle Cost Estimate
Altenative 1
Concrete Gravity Filter Water Treatment Plant, Ramsey, Minnesota

Division	Item	Capital Cost		Annual Repair Costs	Capital Cost plus Admin, Eng, etc.	Useful Life	First Replacement PW	Second Replacement PW	Third Replacement PW	Salvage Value	Salvage Value PW	Total Materials & Equipment Replacement PW
1	General	$2,368,955	9.09%	$0	$2,944,962	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3	Concrete	$5,079,500	19.49%	$0	$6,314,570	75	$0.00	$0.00	$0.00	$2,104,856.76	($2,104,856.76)	($2,104,856.76)
4	Masonry	$1,774,000	6.81%	$0	$2,205,345	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5	Metals	$315,000	1.21%	$0	$391,592	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
6	Wood & Plastics	$114,000	0.44%	$0	$141,719	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7	Thermal & Moisture	$780,000	2.99%	$5,000	$969,655	30	$969,655.44	$0.00	$0.00	$323,218.48	($323,218.48)	$646,436.96
8	Doors &Windows	$535,300	2.05%	$10,000	$665,457	25	$665,457.12	$0.00	$0.00	$0.00	$0.00	$665,457.12
9	Finishes	$539,000	2.07%	$5,000	$670,057	25	$670,056.77	$0.00	$0.00	$0.00	$0.00	$670,056.77
10	Specialties	$10,500	0.04%	$0	$13,053	30	$13,053.05	$0.00	$0.00	$4,351.02	($4,351.02)	$8,702.04
12	Furnishings	$65,000	0.25%	$0	$80,805	25	$80,804.62	$0.00	$0.00	$0.00	$0.00	$80,804.62
21	Fire Suppression	$75,000	0.29%	$0	$93,236	25	$93,236.10	$0.00	$0.00	$0.00	$0.00	$93,236.10
22	Plumbing	$430,000	1.65%	$0	$534,554	40	$534,553.64	$0.00	$0.00	$400,915.23	($400,915.23)	$133,638.41
23	HVAC	$910,000	3.49%	$20,000	$1,131,265	25	$1,131,264.68	$0.00	$0.00	$0.00	$0.00	$1,131,264.68
26	Electrical	$2,900,000	11.13%	$30,000	$3,605,129	25	$3,605,129.20	$0.00	$0.00	$0.00	$0.00	$3,605,129.20
31	Earthwork	$881,000	3.38%	$0	$1,095,213	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
32	Exterior Improvements	$390,500	1.50%	$0	$485,449	40	$485,449.29	$0.00	$0.00	$364,086.97	($364,086.97)	$121,362.32
33	Utilities	$4,004,750	15.37%	$0	$4,978,497	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
40	Process Piping	$2,700,000	10.36%	$10,000	$3,366,500	25	$3,366,499.60	$0.00	$0.00	$0.00	$0.00	$3,366,499.60
43	Process Pumps/Meters	$380,000	1.46%	$20,000	$472,396	30	$472,396.24	$0.00	$0.00	$157,465.41	($157,465.41)	$314,930.83
44	Process Equipment	$1,806,000	6.93%	$20,000	$2,245,125	35	$2,245,125.29	$0.00	$0.00	$1,282,928.74	($1,282,928.74)	$962,196.55
	TOTALS	$26,060,000	99.99%	$120,000	$32,400,000							$9,694,858

Inflation = 2.75%
Interest = 2.00%
Financing Years= 20

50 Year Life Cycle (Present Worth)

Capital Project Costs	$32,400,000	Loan Payment Annual Equipment	$1,981,478	
Equipment Replacement	$9,694,858	Replacement	$308,522	
Labor	$6,488,398	Labor	$110,000	
Gas	$1,179,709	Gas	$20,000	
Chemicals	$6,488,398	Chemicals	$110,000	3 mgd, 2 mg/L Cl @ $1/lb, 1 mg/L NaMnO4 @ $10/gal, 2 mg/L phosphate @ $5/gal
Insurance	$1,769,563	Insurance	$30,000	
Electricity	$6,783,325	Electricity	$115,000	Assumes 120kW 24/7 at $0.10 per kWh
Equip. Repair	$7,078,253	Equip. Repair	$120,000	
TOTAL PW	$71,880,000	**TOTAL ANNUAL COST:**	$2,795,000	

20 year Annual Costs

Updated: 3-Mar-21

50 Year Life Cycle Cost Estimate
Altenative 2
Pressure Filter Water Treatment Plant, Ramsey, Minnesota

Division	Item	Capital Cost		Annual Repair Costs	Capital Cost plus Contingency, Admin, Eng, etc.	Useful Life	First Replacement PW	Second Replacement PW	Third Replacement PW	Salvage Value	Salvage Value PW	Total Materials & Equipment Replacement PW
1	General	$2,251,435	9.09%	$0	$2,798,534	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
3	Concrete	$3,378,000	13.64%	$0	$4,198,854	75	$0.00	$0.00	$0.00	$1,399,618.00	($1,399,618.00)	($1,399,618.00)
4	Masonry	$1,449,000	5.85%	$0	$1,801,107	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
5	Metals	$150,000	0.61%	$0	$186,450	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
6	Wood & Plastics	$80,000	0.32%	$0	$99,440	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
7	Thermal & Moisture	$795,000	3.21%	$5,000	$988,185	30	$988,185.00	$0.00	$0.00	$329,395.00	($329,395.00)	$658,790.00
8	Doors &Windows	$450,100	1.82%	$10,000	$559,474	25	$559,474.30	$0.00	$0.00	$0.00	$0.00	$559,474.30
9	Finishes	$581,000	2.35%	$10,000	$722,183	25	$722,183.00	$0.00	$0.00	$0.00	$0.00	$722,183.00
10	Specialties	$10,500	0.04%	$0	$13,052	30	$13,051.50	$0.00	$0.00	$4,350.50	($4,350.50)	$8,701.00
12	Furnishings	$65,000	0.26%	$0	$80,795	25	$80,795.00	$0.00	$0.00	$0.00	$0.00	$80,795.00
21	Fire Suppression	$75,000	0.30%	$0	$93,225	25	$93,225.00	$0.00	$0.00	$0.00	$0.00	$93,225.00
22	Plumbing	$430,000	1.74%	$0	$534,490	40	$534,490.00	$0.00	$0.00	$400,867.50	($400,867.50)	$133,622.50
23	HVAC	$835,000	3.37%	$20,000	$1,037,905	25	$1,037,905.00	$0.00	$0.00	$0.00	$0.00	$1,037,905.00
26	Electrical	$2,200,000	8.88%	$30,000	$2,734,600	25	$2,734,600.00	$0.00	$0.00	$0.00	$0.00	$2,734,600.00
31	Earthwork	$354,500	1.43%	$0	$440,644	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
32	Exterior Improvements	$390,500	1.58%	$0	$485,392	40	$485,391.50	$0.00	$0.00	$364,043.63	($364,043.63)	$121,347.88
33	Utilities	$3,804,750	15.36%	$0	$4,729,304	50	$0.00	$0.00	$0.00	$0.00	$0.00	$0.00
40	Process Piping	$2,950,000	11.91%	$10,000	$3,666,850	25	$3,666,850.00	$0.00	$0.00	$0.00	$0.00	$3,666,850.00
43	Process Pumps/Meters	$110,000	0.44%	$5,000	$136,730	30	$136,730.00	$0.00	$0.00	$45,576.67	($45,576.67)	$91,153.33
44	Process Equipment	$4,406,000	17.79%	$75,000	$5,476,658	25	$5,476,658.00	$0.00	$0.00	$0.00	$0.00	$5,476,658.00
	TOTALS	$24,766,000	100.00%	$165,000	$30,780,000							$13,985,687

Inflation = 2.75%
Interest = 2.00%
Financing Years= 20

50 Year Life Cycle (Present Worth)

Capital Project Costs	$30,780,000
Equipment Replacement	$13,985,687
Labor	$6,488,398
Gas	$1,179,709
Chemicals	$6,488,398
Insurance	$589,854
Electricity	$6,193,471
Equip. Repair	$9,732,597
TOTAL PW	$75,440,000

20 year Annual Costs

Loan Payment Annual Equipment	$1,882,404	
Replacement	$445,069	
Labor	$110,000	
Gas	$20,000	
Chemicals	$110,000	3 mgd, 2 mg/L Cl @ $1/lb, 1 mg/L NaMnO4 @ $10/gal, 2 mg/L phosphate @ $5/gal
Insurance	$10,000	
Electricity	$105,000	Assumes 120kW 24/7 at $0.10 per kWh
Equip. Repair	$165,000	
TOTAL ANNUAL COST:	$2,847,000	

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Sustainable buildings, sound infrastructure, safe transportation systems, clean water, renewable energy and a balanced environment. Building a Better World for All of Us communicates a company-wide commitment to act in the best interests of our clients and the world around us.

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CC Regular Session **7. 2.**

Meeting Date: 10/25/2022

By: Todd Larson, Community Development

Information

Title:

Adopt Ordinance #22-25 Pertaining to Mobile Food Units

Purpose/Background:

The City Council approved the introduction of the ordinance on October 11. The attached ordinance has been updated with the revised definition in the licensing section regarding the smoker trailer.

Food trucks have been growing in popularity in recent years. Some operators start out as a food truck then grow into a traditional brick-and-mortar restaurant space since independent restaurants are difficult businesses to start. Some trucks are offshoots of established restaurants taking their fares on the road. Some food trucks generally only operate at community events, fairs, and festivals, where some like to partner with other business types, such as brewery taprooms.

Currently, the City treats mobile food units (a broader term for food trucks) the same as transient merchants. Operationally, they are quite different from vendors that go door-to-door. Staff feels that amendments to City Code are necessary so that these businesses are treated fairly according to their use. This code amendment is intended to regulate food trucks that are open to the general public. Other than the proposed licensing requirements, private food trucks can still be hired as catered events, such as a business' employee appreciation lunch or a home celebrating a high school graduation.

Proposed are two ordinance sections. The first section creates a mobile food unit as an accessory use to an existing primary business use in Chapter 117 (Zoning Code). Upon adoption, a food truck could locate on most business properties with the consent of the landowner (nothing is prohibiting the landowner from charging the operator a fee to locate there). As an accessory use, the truck could not operate on vacant property or on a property when the primary business is closed for the day. The food truck must leave the site at the end of its business day as well. Exceptions can be made in conjunction with the host business' multi-day special event permit.

A provision that the food truck must not locate within 100 feet of the entrance to a restaurant is included. The intent of this provision is to protect the established restaurants. This provision can be waived by the owner of the restaurant.

The second section establishes business licensing procedures in Chapter 26. Since Anoka County has heath jurisdiction, a County heath license is required to obtain the City's license ensuring proper food safety and handling techniques. The bulk of the licensing requirements are the same or similar to other business license types.

The City invites mobile food units to vend at various City events in parks throughout the year. This ordinance does not affect those events, though the operators will need to get a City license for their unit.

This ordinance does not authorize food trucks parking on public roadways to conduct business. Additional sections of City Code will need to be modified to allow that. Ice cream trucks and carts that traditionally drive up and down streets, only stopping when flagged down, are still being considered peddlers.

Notification:

Notification was provided in the legals section of the Anoka UnionHearld on September 16. Courtesy notices were also sent to the six food truck operators currently holding transient merchant licenses. The Planning Commission held the public hearing for the Code Amendments on September 29, 2022.

Observations/Alternatives:

The Economic Development Authority reviewed the proposed ordinance on September 8, 2022. They raised concerns about fairness to other established businesses and if the 100-foot separation was far enough from an existing restaurant business. No formal recommendation was requested, though individual members expressed a desire to have more food trucks in town. The Planning Commission held the public hearing on September 29 and recommended approval (6-0) of the proposed amendments.

Alternatives:

1. Approve the ordinance as recommended by the Planning Commission.

2. Approve the ordinance with modifications that the City Council desires.

3. Deny the ordinance keeping the existing regulations in place.

Funding Source:

Preparation of this ordinance is done through staff's normal duties. If approved, a license fee will be required of the operator.

Recommendation:

At its meeting on September 29, the Planning Commission recommended approval (6-0) of the Ordinance pertaining to Mobile Food Units.

Action:

Motion to waive the City Charter requirement that the Ordinance be read aloud and adopt Ordinance #22-25 modifying City Code pertaining to Mobile Food Units.

Attachments

Ordinance #22-25

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 10:03 AM
Form Started By: Todd Larson		Started On: 10/14/2022 08:18 AM
Final Approval Date: 10/20/2022		

ORDINANCE #22-25

CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

AMENDMENTS TO CHAPTER 26 AND CHAPTER 117 OF THE CITY CODE OF RAMSEY, MINNESOTA.

AN ORDINANCE AMENDING ZONING CODE TO ALLOW MOBILE FOOD UNITS AND CHAPTER 26 FOR BUSINESS LICENSING REGULATION

The City of Ramsey ordains:

SECTION 1. AUTHORITY

This ordinance is adopted pursuant to and under the authority of the City Charter of the City of Ramsey.

SECTION 2. AMENDMENT TO CITY CODE SECTION 117, ARTICLE I

The current City Code Section 117, Article I, is amended as follows (additions indicated by underlined text):

Chapter 117-1 Definitions:

MOBILE FOOD UNIT. A self-contained food service operation, located in a readily movable motorized wheeled or towed vehicle, used to store, prepare, display or serve food intended for individual portion service that is readily movable without disassembling, or as defined in M.S. § 157.15, Subd 9. This definition includes a smoker trailer, either attached or detached from the mobile food unit.

SECTION 3. AMENDMENT TO CITY CODE SECTION 117, ARTICLE II

The current City Code Section 117, Article II, Division 6, is amended as follows (additions indicated by underlined text):

Sec. 117-365 *Mobile food units.*
A mobile food unit is considered an accessory use to an established business use with the following requirements:

(1) The owner/operator of the mobile food unit shall have written permission of the current property owner to locate in a designated area.

(2) The owner/operator of the mobile food unit must keep a copy of the mobile food unit license with the unit and demonstrate compliance with the license set forth in Chapter 26 upon inspection.

(3) The area(s) designated for the mobile food unit and accessory outdoor seating may not block sidewalks, walkways, impede pedestrian or vehicular traffic, or interfere with public safety.

(4) Mobile food unit locations are limited to private property located in a COR, Business, or Employment District as listed in Chapter 117.

(5) Mobile food units shall be located on an asphalt or concrete surface.

(6) The owner/operator must provide trash/recycling receptacles for customer use and keep the site in a neat and orderly fashion, free from litter, refuse, debris, junk or other waste which results in offensive odors or unsightly conditions.

(7) Temporary freestanding signage is permitted in the form of up to two "A" frame or sandwich boards not to exceed six square feet per side. The signs must be placed within 10 feet of the mobile food unit.

(8) Mobile food units cannot be located within 100 feet of the main entrance of a restaurant or any outdoor dining area. This provision may be waived with written permission from the restaurant business owner.

(9) Mobile food units must vacate the property between 11:00 pm and 8:00 am the following day and return to its commissary kitchen or permanent registered business location. In no case shall a mobile food unit be open for business while the business at the property is closed.

(A) *Exception*. A mobile food unit may remain in place overnight in conjunction with a multi-day special event permit.

(10) Deviations from the standards above may be considered with a special event permit.

SECTION 4. AMENDMENT TO CITY CODE SECTION 26

The current City Code Section 26, Article XIX, is added as follows (additions indicated by underlined text):

Chapter 26 Article XIX - Mobile Food Units

DIVISION 1 – GENERALLY

Sec. 26-870 FINDINGS AND PURPOSE.

(A) *Purpose.* This chapter is enacted to establish standards for the regulation of mobile food units to protect the health, safety and general welfare of the people of the city.

(B) *Objectives.* The general objectives of this chapter are as follows:

(1) To ensure standards for the proper placement and operation of mobile food units.

(2) To meet consumer expectations of the safety of mobile food units.

(3) To ensure the temporary nature of this type of business.

(C) *Scope.* This chapter is applicable to all mobile food units where food, meals, snacks, beverages, or ingredients thereof are stored, prepared, and sold for consumption on or off the premises. This includes all City-sponsored, public, private, or special events located in the city.

Sec. 26-871 DEFINITIONS.

For the purpose of this section, the following definitions apply unless the context clearly indicates or requires a different meaning.

CITY. The City of Ramsey and its designated employees or person-in-charges.

MOBILE FOOD UNIT. A self-contained food service operation, located in a readily movable motorized wheeled or towed vehicle, used to store, prepare, display or serve food intended for individual portion service that is readily movable without disassembling, or as defined in M.S. §

157.15, Subd. 9. This definition includes a smoker trailer, either attached or detached from the mobile food unit.

DIVISION 2 – LICENSE

Sec. 26-872 LICENSE REQUIREMENTS.

(A) *License required.* It is unlawful to operate a mobile food unit within the city or engage in any enterprises described herein, unless a license has been obtained. Each license must be obtained in accordance with the requirements of the city code.

(B) *General licensing.* The application for such licenses must be made on forms furnished by the city and must describe the general nature of the business, the permanent business location, commissary kitchen, and any other information deemed necessary by the city.

(C) *License expiration.* Licenses issued pursuant to this chapter commence and expire on the dates indicated on the license certificate. All mobile food unit licenses will be issued for the applicable license year.

(D) *Transfer and display of license.*

(1) Only a person who complies with the requirements of this chapter is entitled to receive a license.

(2) A license is not transferable as to person.

(3) A valid license must be located on the mobile food unit and posted so that it is clearly visible to the public.

(4) All approved licenses must have a photo taken and an identification badge issued. Such photo identification badge must be worn whenever business is being conducted.

(E) *Anoka County Health or Minnesota Department of Agriculture License Required.* As part of the City license application, evidence of an active heath license issued by Anoka County or Minnesota Department of Agriculture is required for each mobile food unit. Expiration or revocation of these licenses will automatically void the City license.

(F) *Background Checks* - Every application shall bear the written report and recommendation of the chief of police. The police chief or his designee shall immediately institute an investigation of the applicant including, but not limited to, a criminal history and wanted persons check with the Bureau of Criminal Apprehension, for the protection of the public good.

(G) *Insurance* - The Applicant shall carry a general policy of liability insurance which shall provide a limit of coverage of not less than $300,000/$100,000 for bodily injury and $25,000 for property damage. Mobile Food Units operating on any public property must provide a certificate of insurance showing the City listed as coinsured.

(H) *Adequate Parking / Traffic Flow* - No mobile food unit license shall be issued for any location which does not have sufficient parking for customers and for areas where customer parking would interfere with normal traffic flow.

Sec. 26-873 LICENSE FEES.

(A) *Fees.* Fees for licenses issued hereunder must be in the amount set forth by the City Council. An additional fee will be charged for each additional mobile food unit that is separate, distinct or unique from the central or main food establishment.

Sec. 26-874 INSPECTIONS.

(A) *Inspection authorized.* The City may inspect each mobile food unit's site to ensure compliance with the standards set forth in Chapter 117 or other chapters of City Code.

(B) *Interference with Health Authority.* It is unlawful to interfere with or hinder the Health Authority in the performance of its duties, or refuse to permit the Health Authority to make such inspections.

(C) *Removal and correction of violations.* The owner, or operator, or person-in-charge of a mobile food unit, upon receipt of a report giving notification of one or more violations of this chapter or Chapter 117, must correct or remove each violation in a reasonable length of time as determined by the City.

(D) *Penalties*. Failure to correct violations can result in revocation of the City license or misdemeanor citation.

Sec. 26-875 NON-ISSUE/DENIAL

(A) If as a result of a background investigation, the applicant is found to be unsatisfactory, the chief of police shall endorse on such application his/her disapproval and the reasons for the same, and return the application to the licensing agent, who will in turn bring the request with recommendation for denial to the city council. The police chief must comply with the provisions of Minn. Stats. ch. 364 if the recommendation for denial is based in whole or in part upon prior criminal convictions. If the council denies the issuance of a license, the licensing agent shall notify the applicant that his/her application is disapproved and no permit shall be issued.

(B) Any applicant may be found to be unsatisfactory for reasons including, but not solely limited to:

(1) Fraud, misrepresentation or incorrect statement contained in the application for permit.

(2) Past fraud, misrepresentation or incorrect statement made in the course of carrying on a business.

(3) Past conviction of any crime or misdemeanor involving fraud, theft or moral turpitude, or any crime of violence as defined in Minn. Stats. § 624.713.

(4) Conducting the business in an unlawful manner or in such a manner as to constitute a breach of peace or to constitute a menace to the health, safety or general welfare of the public.

Sec. 26-876 - REVOCATION

Any license may be revoked by the council for a violation of any provision of this Code if the licensee has been given a reasonable notice of seven days and an opportunity to be heard.

Sec. 26-877 - USE OF DEVICES TO ATTRACT ATTENTION PROHIBITED

No person licensed under this article shall call attention to his business or to his merchandise by crying out, by blowing a horn, by ringing a bell, by any sound-amplified devices, or by any loud or unusual noise, unless otherwise noted in the permit application.

SECTION 5. EFFECTIVE DATE

This ordinance becomes effective 30 days after its passage and publication, subject to City Charter Section 5.04.

PASSED by the City Council of the City of Ramsey, Minnesota, the ___ day of ____, 2022.

_____

Mayor

ATTEST:

City Clerk

Introduction date:
Posting dates:
Adoption date:
Publication date:
Effective date:

CC Regular Session **7. 3.**

Meeting Date: 10/25/2022

By: Brian Hagen, Administrative Services

Information

Title:

Adopt Ordinance #22-17 Amending City Charter Prohibiting Membership on the Charter Commission of City Council Members

Purpose/Background:

The City Council introduced this ordinance at the October 11, 2022 regularly scheduled meeting. The attached ordinance does include the updated reference to State Statute 410.12, subdivision 5. The Charter Commission is set to meet on October 26, 2022. Due to timing of meeting, this ordinance has been placed on their agenda for review. The case does note a verbal update will be provided by staff on the outcome of City Council's final consideration of the ordinance.

Time Frame/Observations/Alternatives:

Alternative 1: Adopt Ordinance #22-17
Alternative 2: Deny Ordinance #22-17. In this scenario, staff would pull the Charter Commission's review. Nothing would preclude the Charter from proposing an ordinance to the City Council under M.S. 410.12, subdivision 7.

Recommendation:

Staff does not hold a recommendation on this matter.

Outcome/Action:

Motion to waive the City Charter requirement to read the ordinance aloud and adopt ordinance #22-17.

Attachments

Ordinance #22-17

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 03:08 PM
Form Started By: Brian Hagen		Started On: 10/17/2022 08:07 AM
Final Approval Date: 10/20/2022		

ORDINANCE 22-17

CITY OF RAMSEY

ANOKA COUNTY

STATE OF MINNESOTA

AN ORDINANCE AMENDING THE CITY CHARTER OF THE CITY OF RAMSEY, MINNESOTA PROHIBITING MEMBERSHIP ON THE CITY OF RAMSEY CHARTER COMMISSION OF CITY COUNCIL MEMBERS AND PROVIDING FOR OTHER RESTRICTIONS THEREOF

The City of Ramsey ordains:

SECTION 1. AUTHORITY

This Ordinance is adopted pursuant to the authority of the City Charter of the City of Ramsey and such authority as it is given under Minnesota Statutes Section 410.12, subdivision 5.

SECTION 2.

The Section 2.4 of the City of Ramsey Charter is amended to read as follows:

"Sec. 2.4 – Incompatible offices.

No member of the Council shall hold any paid municipal office or employment through the city other than that to which elected. Further, until one year after the expiration of his/her term, no mayor or councilmember shall be appointed or employed by the city in a compensated position which was created, or the compensation for which was increased, during his/her term as mayor or councilmember.

No member of the Council may serve as a member of the City of Ramsey Charter Commission while serving on the Council. No member of the Council may serve as a voting member of any other Commission or Board of the City of Ramsey while he/she remains in office unless such membership is otherwise required by law.

SECTION 3. EFFECTIVE DATE

This ordinance becomes effective 90 days after its passage and publication as provided in City of Ramsey Charter 3.9 and Minnesota Statutes Section 410.12, Subdivision 5, as may be modified by any action undertaken pursuant to City of Ramsey Charter Section 5.

PASSED by the City Council of the City of Ramsey, Minnesota, the ____day of _____ 2022.

_____

Mayor

ATTEST:

_____

City Clerk

CC Regular Session **7. 4.**

Meeting Date: 10/25/2022

By: Brian Hagen, Administrative Services

Information

Title:

Adopt Ordinance #22-26 Amending the City Charter Prohibiting Membership on City Boards and Commissions of Non-City of Ramsey Residents

Purpose/Background:

The City Council introduced this ordinance at the October 11, 2022 regularly scheduled meeting. The Charter Commission is set to meet on October 26, 2022. Due to timing of meeting, this ordinance has been placed on their agenda for review. The case does note a verbal update will be provided by staff on the outcome of City Council's final consideration of the ordinance.

Time Frame/Observations/Alternatives:

Alternative 1: Adopt Ordinance #22-16
Alternative 2: Deny Ordinance #22-16. In this scenario, staff would pull the Charter Commission's review. Nothing would preclude the Charter from proposing an ordinance to the City Council under M.S. 410.12, subdivision 7.

Recommendation:

Staff does not hold a recommendation on this matter.

Outcome/Action:

Motion to waive the City Charter requirement to read the ordinance aloud and adopt ordinance #22-26.

Attachments

Ordinance #22-26

Form Review

Inbox	Reviewed By	Date
Brian Hagen	Brian Hagen	10/20/2022 03:09 PM
Form Started By: Brian Hagen		Started On: 10/17/2022 08:09 AM
Final Approval Date: 10/20/2022		

ORDINANCE 22-26

CITY OF RAMSEY

ANOKA COUNTY

STATE OF MINNESOTA

AN ORDINANCE AMENDING THE CITY CHARTER OF THE CITY OF RAMSEY, MINNESOTA PROHIBITING MEMBERSHIP ON THE CITY OF RAMSEY BOARDS AND COMMISSIONS OF NON-CITY OF RAMSEY RESIDENTS

The City of Ramsey ordains:

SECTION 1. AUTHORITY

This Ordinance is adopted pursuant to the authority of the City Charter of the City of Ramsey and such authority as it is given under Minnesota Statutes Section 410.12, subdivision 5.

SECTION 2.

The Section 2.2 of the City of Ramsey Charter is amended to read as follows:

"Sec. 2.2 – Boards and commissions.

There shall be no separate administrative board of health, library board, or any other administrative board or commission except for the administration of a function jointly with another political subdivision. The council shall itself be and perform the duties and exercise the powers of such boards and commissions provided for by state statutes. The council may, however, establish or abolish by ordinance boards or commissions to advise the council with respect to any municipal function or activity, or to perform quasi-judicial functions. Notice of initial formation and all vacancies shall be published in the city newsletter and in the legal newspaper. Membership of various boards and commissions shall not exceed nine members, all members of which shall be residents of the City of Ramsey.

SECTION 3. EFFECTIVE DATE

This ordinance becomes effective 90 days after its passage and publication as provided in City of Ramsey Charter 3.9 and Minnesota Statutes Section 410.12, Subdivision 5, as may be modified by any action undertaken pursuant to City of Ramsey Charter Section 5.

PASSED by the City Council of the City of Ramsey, Minnesota, the ____day of _____2022.

_____

Mayor

ATTEST:

_____

City Clerk