City of Ramsey
Agenda
Regular City Council
Tuesday, March 9, 2021
7:00 pm
Council Chambers, 7550 Sunwood Drive NW

This meeting is being held in accordance with Minnesota Statutes 13D.021. Due to the COVID-19 Pandemic, it is not practical and prudent for all members of this board to attend in person. Current Minnesota law requires certain social distancing standards that impacts the capacity of the Council Chambers. For those at highest risk, it is advised to isolate themselves from the general public. For these reasons, it is not practical and prudent to have this meeting exclusively in person. Members of the public are welcome to attend in person or remotely.

Remote Attendance available at www.cityoframsey.com/meetings. To maximize social distancing due to the COVID-19 Pandemic, those that can join remotely are encouraged to do so. Those joining remotely and requesting to speak are asked to use a webcam when speaking.

1. Call to Order

2. Presentation

1. Swearing-in Ceremony for the Ward 1 Councilmember, Mr. Ryan Heineman

2. State of the City 2021: Mayor's Address

3. Citizen Input

4. Approve Agenda

5. Consent Agenda

1. Receive January 2021 Financial Reports - General Fund and Enterprise Funds

2. Receive Cash & Investments for Period Ending January 31, 2021

3. Receive Cash & Investments for Period Ending February 28, 2021

4. Approve the Following Meeting Minutes:

1. City Council Work Session dated 2/23/2021
2. City Council Regular Session dated 2/23/2021

5. Approve Business Licenses

6. Adopt Resolution #21-059 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of February 18, 2021 through March 3, 2021

7. Adopt Resolution #21-049 Approving Abatement of 5420 142nd Ave NW (Case of Anna and Pytor Vlasyuk)

8. Adopt Resolution #21-063 Releasing Agreements for Outlot B, Alpha Development; Case of US Home Corporation (Lennar) and the City of Ramsey

9. Adopt Resolution #21-065 Approving Final Version of Preliminary Plat in Regard to Density Transition and Tree Preservation for Northfork Meadows, Case of Lennar (20-135)

10. Adopt Resolution #21-038 Hiring a Patrol Officer

11. Adopt Resolution #21-069 Updating the Council, Board, Authority and Committee Appointments Due to the finalized Ward 1 Councilmember Election.

6. Public Hearing

7. Council Business

1. Adopt Resolution #21-050 Approving a Non-Traditional Animal License at 5715 150th Lane NW (Project No. 21-107); Case of Miguel and Breeka Jaramillo

2. Adopt Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License

3. Introduce Ordinance #21-02 Amending City Code Section 117-148 Entitled Mississippi River Corridor Critical Area

4. Adopt Resolution #21-056 Accepting Bids and Awarding Contract for 2021 Crack Seal Improvements, Improvement Project #21-06

5. Adopt Resolution #21-061 Ordering Plans and Specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements

6. Adopt Resolution #21-057 Accepting Bids and Awarding Contract for Improvement Project #21-00, Riverdale Drive Reconstruction, Feldspar Street to Sunfish Lake Boulevard

7. Adopt Resolution # 21-067 Instructing that No City Resource be Utilized in the Enforcement of Executive Order 20-81

8. Adopt Resolution # 21-068 Directing City of Ramsey Staff, Authorities, Boards and Commissions to Take and Follow Direction from the Ramsey City Council

8. Mayor/Council/Staff Input

9. Adjournment

CC Regular Session **2. 1.**

Meeting Date: 03/09/2021

Information

Title:

Swearing-in Ceremony for the Ward 1 Councilmember, Mr. Ryan Heineman

Purpose/Background:

A special general election was held on February 9, 2021, to fill the vacant Ward 1 Council Seat. Mr. Ryan Heineman was elected to the Ward 1 Council Seat and was officially sworn-in previously in order to allow him to perform his official duties; however, the ceremonial swearing-in will be conducted this evening.

Attachments

No file(s) attached.

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:28 PM
Form Started By: Colleen Lasher		Started On: 03/01/2021 04:04 PM
Final Approval Date: 03/04/2021		

CC Regular Session **2. 2.**

Meeting Date: 03/09/2021

Information

Title:

State of the City 2021: Mayor's Address

Purpose/Background:

Annually, the Mayor provides a 'State of the City' presentation to Ramsey residents and businesses during a regular City Council meeting. The purpose of this presentation is to provide a recap of City operations, updates and news from the past year, as well as a look ahead at what is to come in the new year.

Attachments

State of the City 2021

Form Review

Inbox	Reviewed By	Date
Colleen Lasher	Kathy Schmitz	02/18/2021 02:51 PM
Kurt Ulrich	Kurt Ulrich	02/18/2021 02:53 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:32 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:34 AM
Form Started By: Megan Thorstad		Started On: 02/17/2021 03:27 PM
Final Approval Date: 03/04/2021		

City of Ramsey

2021 State of the City Address

Vision & Mission

Vision: “Ramsey will be a secure, citizen-driven, collaborative community that respects the balance and connectivity between its unique urban, rural and natural environments.”

Mission: “To work together to responsibly grow our community and to provide quality, cost-effective and efficient government services.”

FINANCIAL STABILITY







City of RAMSEY

FINANCIAL STABILITY

- **Pavement Management**: Implemented a stable/dedicated funding source that will generate $2 Million annually for repair and reconstruction of roads

- **Investment in Infrastructure**: The new Public Works Facility is funded through the issuance of $9 Million in general obligation bonds and $8.4 Million funded internally

- **Fiscal Responsibility**: Tax Capacity Rate has dropped for the last four years.

City of RAMSEY

BALANCING RURAL CHARACTER & URBAN GROWTH









City of RAMSEY

BALANCING RURAL CHARACTER & URBAN GROWTH

- **Housing Growth:** 200 new households in 2020

- **Industrial Expansion**: 300,000 square feet of new industrial space adding to the 552 Businesses that call Ramsey home, employing nearly 7,000 people

- **Business Relief Program**: Implemented a phased approach to help struggling businesses during the pandemic

- **Preserve City's rural character**:
  - Tree City
  - Preserve and protect historic places like Old Town Hall on Highway 47

AN ACTIVE AND CONNECTED COMMUNITY









City of RAMSEY

AN ACTIVE AND CONNECTED COMMUNITY

The Ramsey Gateway Project

will provide grade separations of US Highway 10/169 and the BNSF Railway to address major crash and congestion issues that are greatly impacting the movement of goods and people between the Minneapolis/Saint Paul metro area and greater northern Minnesota.

Anoka County MINNESOTA
Respectful. Innovative. Fiscally Responsible

GREATER MN PARTNERSHIP

DEPARTMENT OF TRANSPORTATION

Investment Results:

- 42% Crash Reduction
- Reliable movement of regional railroad and highway freight and commuter traffic
- 1 + Benefit-cost Ratio
- 94% Average Delay Reduction
- Accommodates 74,000 Vehicles Per Day



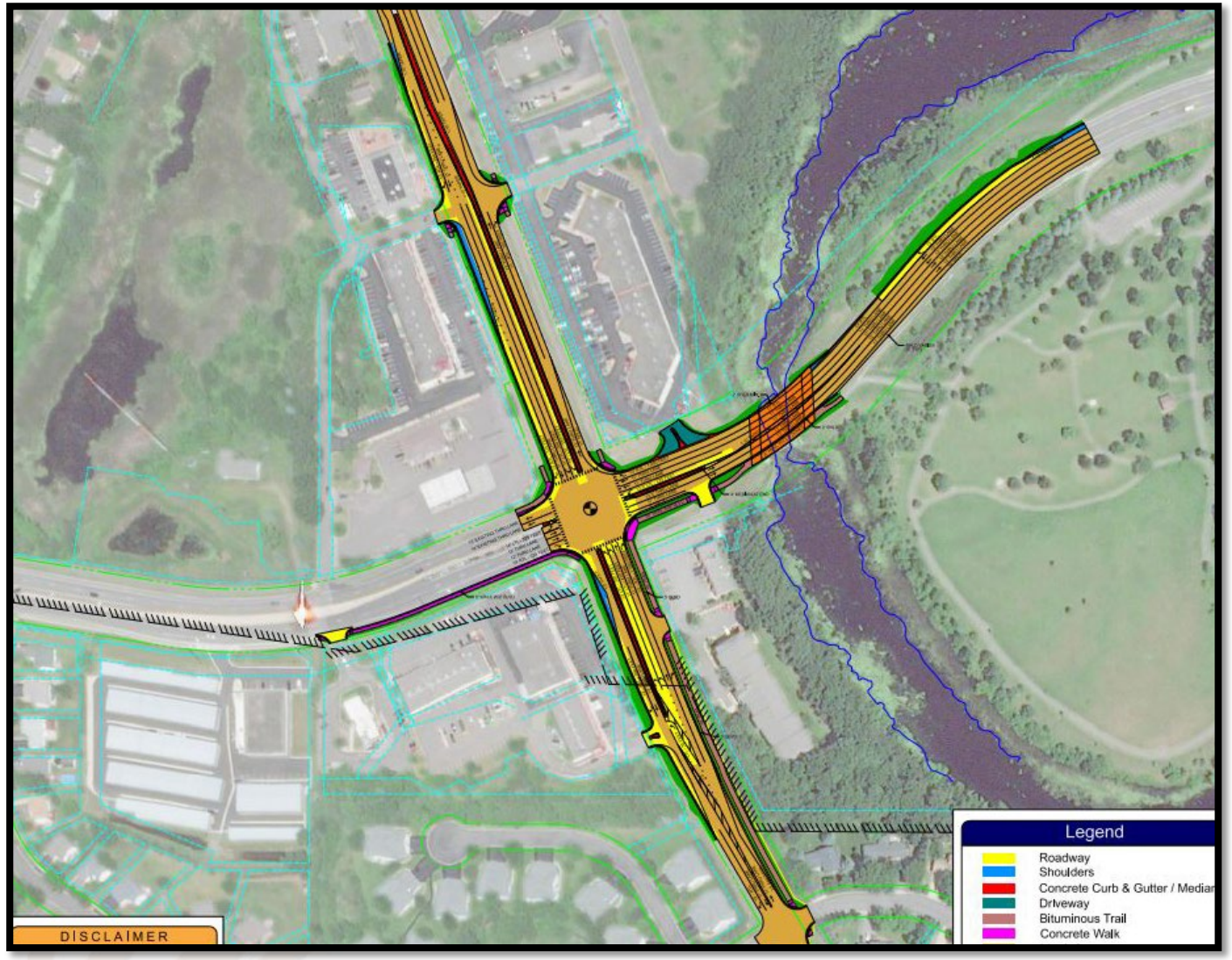
US Highway 10/169 Importance

- A principal arterial carrying up to 55,000 vehicles per day (1,650 trucks)
- Significant commuter and freight corridor between Minneapolis – St Paul, northwestern Minnesota, and into North Dakota
- Busiest BNSF rail line in MN with 57-81 freight trains and 14 transit trains per day
- Connection to northern Minnesota lakes and outdoor tourism industry

Project Need

- 218 crashes in the last 5 years, 4 fatal crashes in the last 10 years
- Crash rate 2x the state average
- Traffic backups approaching 1 mile by 2025 and almost 4 miles in 2045
- Fully funded Anoka and Elk River 2023/24 projects will result in Ramsey having the only two remaining at-grade traffic signals on the US Highway 10/169 freeway system from Minneapolis/St Paul to Elk River.

AN ACTIVE AND CONNECTED COMMUNITY





- Ramsey Gateway – Highway 10/169
- Bunker Lake/Highway 47
- River Crossing to Dayton
- Ramsey's Pavement Management Plan

City of RAMSEY

AN ACTIVE AND CONNECTED COMMUNITY

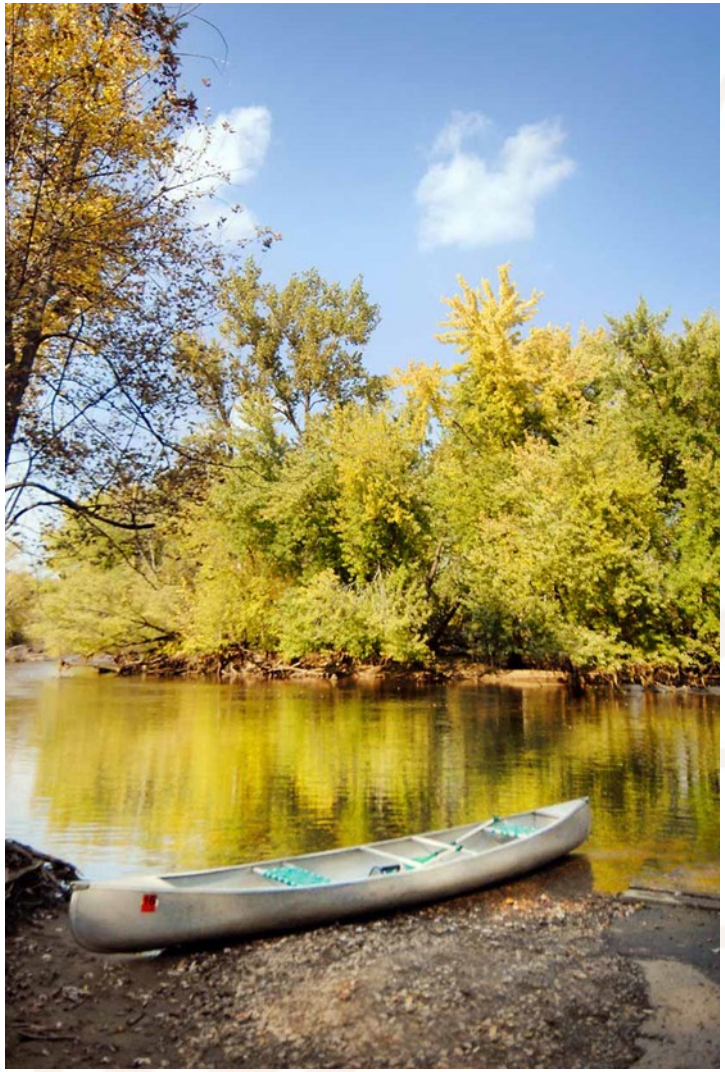
- **The Ramsey Gateway Project**: Hwy 10 improvements at Sunfish Lake and Ramsey Blvd.; $80 Million of $138 Million secured

- **River Crossing:** Feasibility Study complete

- **Parks & Recreation Programming:**
  - Access to natural resources, especially lakes and rivers, through canoe and kayak rentals
  - Gardening, pollinator protection and recreational programming like birdwatching, snowshoeing, art, concerts in the park and so much more!

City of RAMSEY

SMART, CITIZEN-FOCUSED GOVERNMENT









City of RAMSEY

SMART, CITIZEN-FOCUSED GOVERNMENT

- **Communications:** In 2020, we made strides in technology in order to streamline internal and public meetings

- **Public Safety:**
  - Birthday parades for kids' birthdays
  - Assisted in Civil Unrest in Minneapolis
  - Duty crew model adopted
  - Improved response times

EFFECTIVE ORGANIZATION









City of RAMSEY

EFFECTIVE ORGANIZATION

- **Improved Facilities:** Construction of a new public works garage began in 2020. Water Treatment Plant planning is ongoing

- **Staffing:** Recent additions include a CSO in the Police Department, a Planning Technician in Community Development, a Building Maintenance Worker in Public Works and a Building Inspections Administration Assistant in Community Development

- **Welcome:** Ryan Heineman, winner of the Ward 1 Special Election

Thank You







City of RAMSEY

CC Regular Session **5. 1.**

Meeting Date: 03/09/2021

By: Diana Lund, Finance

Information

Title

Receive January 2021 Financial Reports - General Fund and Enterprise Funds

Purpose/Background:

Purpose: Receive January monthly financial reports for the budgeted funds of: General, Water, Sewer, Street Lighting, Recycling and Storm Drainage.

Brief summary of actual revenues and expenditures-to-date in comparison to adopted budget for the respective funds.

Recommendation:

No action required. Informational only.

Action:

No action required. Informational only.

Attachments

January 2021 General Fund Financial Report - Budget to Actual

January 2021 Enterprise Funds Financial Reports - Budget to Actual

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:49 PM
Form Started By: Diana Lund		Started On: 02/25/2021 11:58 AM
Final Approval Date: 03/04/2021		

CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: January 31, 2021

GENERAL FUND EXPENDITURES - BY DEPARTMENT -

Dept	-CURRENT YEAR ADOPTED BUDGET-	CURRENT YTD GENERAL LEDGER
Admin	2,092,067.00	183,594.78
Com Dev	1,207,963.00	81,006.90
Contingency	180,373.00	-
Council	113,355.00	15,906.55
Finance	543,705.00	42,885.42
Fire	1,299,675.00	44,419.85
Legal	133,600.00	-
Police	4,473,128.00	361,439.00
Public Works	4,339,482.00	423,911.85
Grand Total	**14,383,348.00**	**1,153,164.35**

GENERAL FUND EXPENDITURES - BY CATEGORY -

Category	-CURRENT YEAR ADOPTED BUDGET-	-CURRENT YTD GENERAL LEDGER-
Capital Outlay	1,090,200.00	173,746.79
Other Services & Charges	2,639,166.00	92,388.51
Personal Services	9,566,381.00	813,392.14
Supplies	981,228.00	73,636.91
Transfers out	106,373.00	-
Grand Total	**14,383,348.00**	**1,153,164.35**

GENERAL FUND REVENUES - BY CATEGORY -

Category	-CURRENT YEAR ADOPTED BUDGET-	-CURRENT YTD GENERAL LEDGER-
Taxes	11,109,848.00	-
Charges for Services	621,500.00	39,587.14
Business Licenses/Permits	69,900.00	3,975.57
Fines and Forfeits	45,500.00	475.00
Federal Intergovernmental	8,500.00	-
State Intergovernmental	425,300.00	-
Interest	100,000.00	-
Miscellaneous	20,700.00	2,911.48
Non-Business Licenses/Permits	559,900.00	38,049.76
Transfers in	1,422,200.00	-
Grand Total	**14,383,348.00**	**84,998.95**

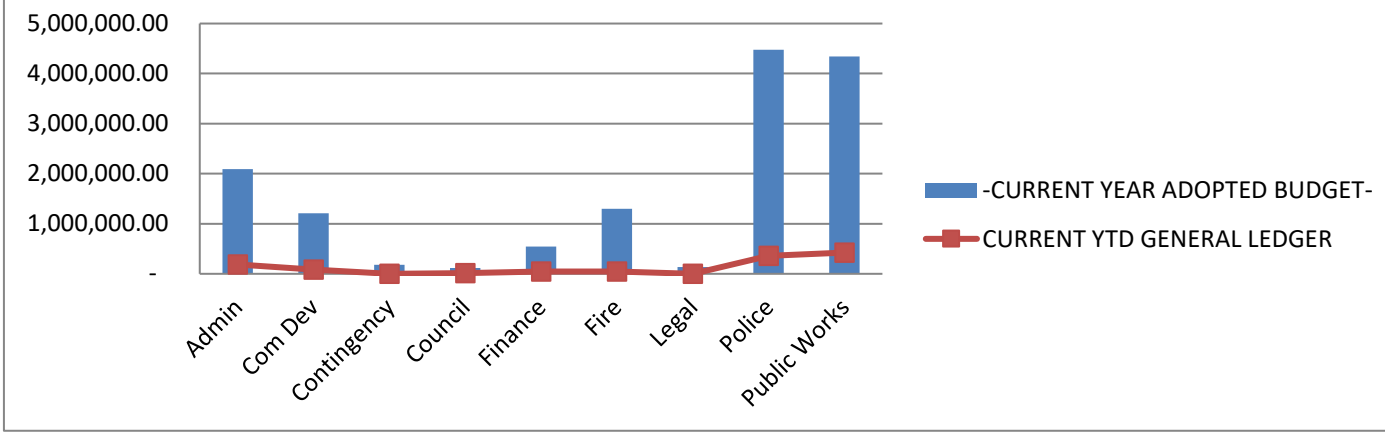
This report reflects year to date revenue and expenditures as compared to annual budget.
It does not reflect fund balance.

PREPARED BY: FINANCE DEPARTMENT

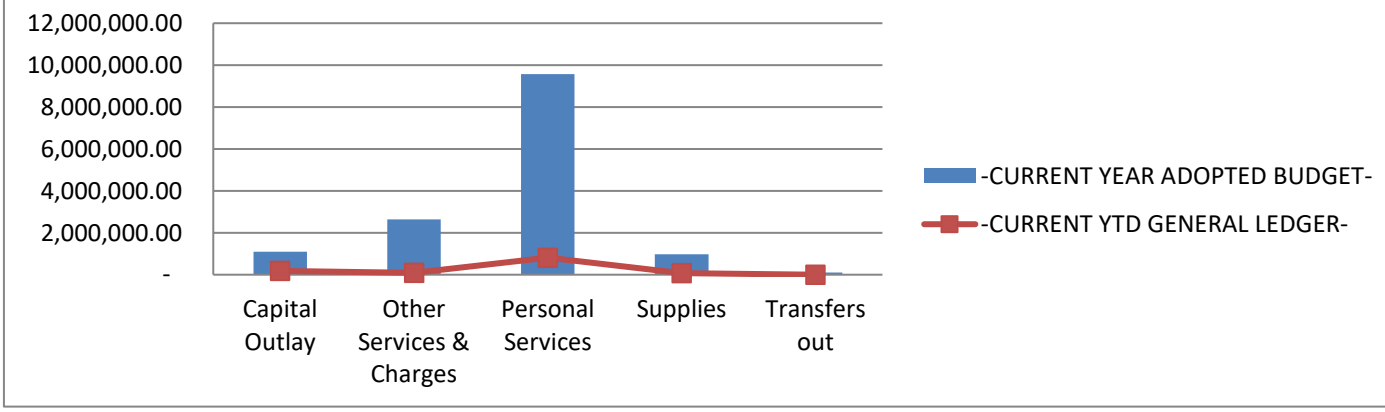
CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: **January 31, 2021**

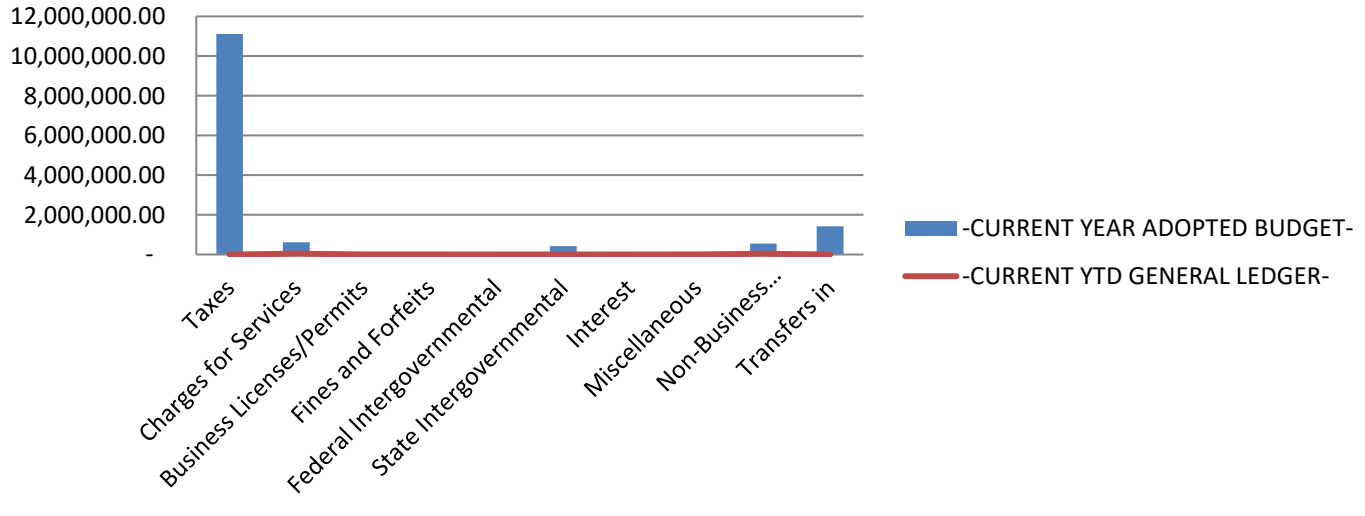
GENERAL FUND EXPENDITURES - BY DEPARTMENT



GENERAL FUND EXPENDITURES - BY CATEGORY



GENERAL FUND REVENUES



This report reflects year to date revenue and expenditures as compared to annual budget.
It does not reflect fund balance.

PREPARED BY: FINANCE DEPARTMENT

CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: January 31, 2021

REVENUES

BUSINESS UNIT 9601 WATER UTILITY

GENERAL LEDGER ACCOUNT		CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
4140	CREDIT CARD PROCESSING FEES	(20,000.00)	(1,002.39)	5.01%
4609	OTHER MISCELLANEOUS REVENUES	12,000.00	62.56	0.52%
4651	WATER REVENUE		150.00	0.00%
4652	WATER SALES - RESIDENTIAL	1,334,128.00	-	0.00%
4653	WATER SALES-COMMERCIAL	700,510.00	(418.00)	-0.06%
4654	WATER PENALTIES	15,000.00	-	0.00%
4655	WATER METER INSTALLATION	12,000.00	840.00	7.00%
4656	WATER METERS	30,000.00	1,925.00	6.42%
4657	CONNECTION/RECONNECTION FEES	500.00	-	0.00%
4701	INTEREST ON INVESTMENTS	100,000.00	-	0.00%
4606	DEVELOPER FEES (WAC)		8,190.00	0.00%
4601	MISCELLANEOUS REVENUE		1,568.97	0.00%
6436	WATER EFFICIENCY REBATE PROG		400.00	0.00%
Grand Total		**2,184,138.00**	**11,716.14**	

EXPENSES

BUSINESS UNIT 9601 WATER UTILITY

GENERAL LEDGER ACCOUNT		CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
6102	F.T. REGULAR-WAGES & SALARIES	271,061.00	12,303.05	4.54%
6103	FULL TIME-REGULAR-OVERTIME	13,500.00	2,014.49	14.92%
6105	TEMPORARY-WAGES & SALARIES	19,167.00	-	0.00%
6121	PERA CONTRIBUTIONS	56,342.00	1,664.91	2.96%
6122	FICA/MEDICARE CONTRIBUTIONS	23,235.00	1,807.14	7.78%
6131	GROUP INSURANCE	36,250.00	3,308.79	9.13%
6133	WORKERS COMP INSURANCE PREMIUM	15,406.00	-	0.00%
6208	MISCELLANEOUS OFFICE SUPPLIES	600.00	(41.96)	-6.99%
6223	GASOLINE	6,000.00	585.46	9.76%
6225	DIESEL FUEL	1,500.00	-	0.00%
6229	SHOP MATERIALS	600.00	-	0.00%
6231	UNIFORMS & TURN-OUT GEAR	2,900.00	-	0.00%
6249	MISCELLANEOUS OPERATING SUPPLY	18,000.00	502.27	2.79%
6257	OTHER VEHICLE PARTS	5,000.00	-	0.00%
6273	UTILITY SYSTEM MAINT SUPPLIES	95,000.00	-	0.00%
6281	SMALL TOOLS & MINOR EQUIPMENT	10,000.00	-	0.00%
6292	WATER METERS FOR RESALE	75,000.00	-	0.00%
6315	MISCELLANEOUS PROFESSIONAL SER	95,000.00	-	0.00%
6322	POSTAGE	3,000.00	57.50	1.92%
6323	CELLULAR PHONES	4,000.00	-	0.00%
6334	MILEAGE REIMBURSEMENT	400.00	-	0.00%
6335	TRAINING	4,000.00	-	0.00%
6352	GENERAL NOTICE & PUBLIC INFOR	300.00	-	0.00%
6361	GENERAL LIABILITY/PROPERTY INS	35,000.00	-	0.00%
6371	ELECTRIC UTILITIES	155,000.00	-	0.00%
6373	GAS	3,000.00	-	0.00%
6374	REFUSE/RECYCLING	700.00	59.37	8.48%
6381	BUILDING & STRUCTURE REPAIR	3,500.00	-	0.00%
6439	OTHER MISCELLANEOUS	67,000.00	-	0.00%
6451	MEMBERSHIP DUES	1,400.00	-	0.00%
6489	OTHER CONTRACTED SERVICES	76,000.00	-	0.00%
6722	DEPRECIATION	798,000.00	-	0.00%
6820	OPERATING TRANSFERS TO OTHER F	47,000.00	-	0.00%
6436	WATER EFFICIENCY REBATE PROG		400.00	0.00%
Grand Total		**1,942,861.00**	**22,661.02**	

Note: The Finance Department has highlighted line items that may be trending towards exceeding budget OR not may not have been included in the adopted budget.

CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: **January 31, 2021**

REVENUES

BUSINESS UNIT	9602	SEWER UTILITY		
GENERAL LEDGER ACCOUNT		CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
4140	CREDIT CARD PROCESSING FEES	(14,000.00)	(296.68)	2.12%
4356	SEWER AVAILABILITY CHARGE-ADM	5,000.00	-	0.00%
4609	OTHER MISCELLANEOUS REVENUES	5,000.00	-	0.00%
4661	RESIDENTIAL-SEWER CHARGES	1,285,000.00	-	0.00%
4662	COMMERCIAL-SEWER CHARGES	361,000.00	-	0.00%
4663	SEWER PENALTIES	15,000.00	-	0.00%
4701	INTEREST ON INVESTMENTS	115,000.00	-	0.00%
4601	MISCELLANEOUS REVENUE		1,568.95	0.00%
Grand Total		**1,772,000.00**	**1,272.27**	

EXPENSES

BUSINESS UNIT	9602	SEWER UTILITY		
GENERAL LEDGER ACCOUNT		CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
6102	F.T. REGULAR-WAGES & SALARIES	175,965.00	8,667.11	4.93%
6121	PERA CONTRIBUTIONS	31,197.00	772.90	2.48%
6122	FICA/MEDICARE CONTRIBUTIONS	13,577.00	794.58	5.85%
6131	GROUP INSURANCE	7,779.00	-	0.00%
6133	WORKERS COMP INSURANCE PREMIUM	9,639.00	-	0.00%
6223	GASOLINE	4,000.00	192.52	4.81%
6225	DIESEL FUEL	2,800.00	531.10	18.97%
6249	MISCELLANEOUS OPERATING SUPPLY	25,000.00	-	0.00%
6275	OTHER EQUIPMENT PARTS	9,000.00	-	0.00%
6315	MISCELLANEOUS PROFESSIONAL SER	50,000.00	-	0.00%
6334	MILEAGE REIMBURSEMENT	400.00	-	0.00%
6335	TRAINING	2,400.00	-	0.00%
6361	GENERAL LIABILITY/PROPERTY INS	22,000.00	-	0.00%
6371	ELECTRIC UTILITIES	17,000.00	-	0.00%
6373	GAS	2,500.00	-	0.00%
6374	REFUSE/RECYCLING	700.00	59.37	8.48%
6377	SEWER SERVICE CHARGE	845,201.00	70,433.39	8.33%
6489	OTHER CONTRACTED SERVICES	28,000.00	-	0.00%
6722	DEPRECIATION	551,565.00	-	0.00%
6820	OPERATING TRANSFERS TO OTHER F	41,000.00	-	0.00%
Grand Total		**1,839,723.00**	**81,450.97**	

Note: The Finance Department has highlighted line items that may be trending towards exceeding budget OR not may not have been included in the adopted budget.

CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: January 31, 2021

REVENUES

BUSINESS UNIT	9603	STREET LIGHT UTILITY	
GENERAL LEDGER ACCOUNT	CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
4140 CREDIT CARD PROCESSING FEES	(3,500.00)	(72.12)	2.06%
4681 CHARGES FOR STREET LIGHTS	157,000.00	-	0.00%
4683 STREET LIGHTING PENALTIES	2,000.00	-	0.00%
4701 INTEREST ON INVESTMENTS	15,000.00	-	0.00%
4684 PRIORITY STREET LIGHT	53,000.00	-	0.00%
Grand Total	**223,500.00**	**(72.12)**	

EXPENSES

BUSINESS UNIT	9603	STREET LIGHT UTILITY	
GENERAL LEDGER ACCOUNT	CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
6121 PERA CONTRIBUTIONS		9.27	0.00%
6122 FICA/MEDICARE CONTRIBUTIONS		7.28	0.00%
6371 ELECTRIC UTILITIES	128,000.00	-	0.00%
6489 OTHER CONTRACTED SERVICES	14,300.00	-	0.00%
6722 DEPRECIATION	42,444.00	-	0.00%
6820 OPERATING TRANSFERS TO OTHER F	23,000.00	-	0.00%
Grand Total	**207,744.00**	**16.55**	

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CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: **January 31, 2021**

REVENUES

BUSINESS UNIT	9604	RECYCLING UTILITY	
GENERAL LEDGER ACCOUNT	CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
4140 CREDIT CARD PROCESSING FEES	(4,000.00)	(83.39)	2.08%
4287 OTHER LOCAL GOVERNMENT GRANTS	77,566.00	-	0.00%
4671 RECYCLING CHARGES	430,283.00	-	0.00%
4672 RECYCLING PENALTIES	8,000.00	-	0.00%
4701 INTEREST ON INVESTMENTS	3,500.00	-	0.00%
Grand Total	**515,349.00**	**(83.39)**	

EXPENSES

BUSINESS UNIT	9604	RECYCLING UTILITY	
GENERAL LEDGER ACCOUNT	CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
6102 F.T. REGULAR-WAGES & SALARIES	23,000.00	1,714.97	7.46%
6121 PERA CONTRIBUTIONS	2,725.00	144.73	5.31%
6122 FICA/MEDICARE CONTRIBUTIONS	1,661.00	131.70	7.93%
6131 GROUP INSURANCE	3,589.00	-	0.00%
6133 WORKERS COMP INSURANCE PREMIUM	386.00	-	0.00%
6249 MISCELLANEOUS OPERATING SUPPLY	32,000.00	653.01	2.04%
6322 POSTAGE	300.00	-	0.00%
6489 OTHER CONTRACTED SERVICES	445,000.00	36,046.86	8.10%
Grand Total	**508,661.00**	**38,691.27**	

Note: The Finance Department has highlighted line items that may be trending towards exceeding budget OR not may not have been included in the adopted budget.

CITY OF RAMSEY
FINANCIAL STATEMENT

JANUARY 1, 2021 THROUGH PERIOD ENDING: **January 31, 2021**

REVENUES

BUSINESS UNIT	9605	STORM WATER UTILITY	
GENERAL LEDGER ACCOUNT	CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
4140 CREDIT CARD PROCESSING FEES	(6,500.00)	(151.10)	2.32%
4693 STORM WATER-RESIDENTIAL	570,000.00	-	0.00%
4694 STORM WATER-COMMERCIAL	585,000.00	-	0.00%
4695 STORM WATER-PENALTIES	10,000.00	-	0.00%
4701 INTEREST ON INVESTMENTS	12,000.00	-	0.00%
Grand Total	**1,170,500.00**	**(151.10)**	

EXPENSES

BUSINESS UNIT	9605	STORM WATER UTILITY	
GENERAL LEDGER ACCOUNT	CURRENT YEAR REQUESTED BUDGET	CURRENT YTD GENERAL LEDGER	-% of Budget-
6102 F.T. REGULAR-WAGES & SALARIES	185,400.00	59.20	0.03%
6121 PERA CONTRIBUTIONS	27,955.00	39.00	0.14%
6122 FICA/MEDICARE CONTRIBUTIONS	15,450.00	42.61	0.28%
6131 GROUP INSURANCE	21,130.00	-	0.00%
6133 WORKERS COMP INSURANCE PREMIUM	7,985.00	-	0.00%
6225 DIESEL FUEL	5,500.00	-	0.00%
6249 MISCELLANEOUS OPERATING SUPPLY	12,000.00	-	0.00%
6257 OTHER VEHICLE PARTS	7,500.00	-	0.00%
6315 MISCELLANEOUS PROFESSIONAL SER	100,000.00	-	0.00%
6361 GENERAL LIABILITY/PROPERTY INS	9,240.00	-	0.00%
6371 ELECTRIC UTILITIES	3,000.00	-	0.00%
6373 GAS	2,500.00	-	0.00%
6374 REFUSE/RECYCLING	700.00	59.36	8.48%
6451 MEMBERSHIP DUES	26,000.00	-	0.00%
6489 OTHER CONTRACTED SERVICES	30,000.00	-	0.00%
6722 DEPRECIATION	335,374.00	-	0.00%
6820 OPERATING TRANSFERS TO OTHER F	36,000.00	-	0.00%
Grand Total	**825,734.00**	**200.17**	

Note: The Finance Department has highlighted line items that may be trending towards exceeding budget OR not may not have been included in the adopted budget.

CC Regular Session **5. 2.**

Meeting Date: 03/09/2021

By: Diana Lund, Finance

Information

Title

Receive Cash & Investments for Period Ending January 31, 2021

Purpose/Background:

Purpose: Receive reports of the city's cash and investments for the period ending January 31, 2021.

Cash and investment report shows the monthly cash flow - receipts and expenditures through January 31, 2021 with the current listing of the city's investment portfolio.

Recommendation:

No action required. Informational only.

Action:

No action required. Informational only.

Attachments

Cash & Investments for Period Ending January 31, 2021

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	02/18/2021 02:51 PM
Kurt Ulrich	Kathy Schmitz	03/04/2021 03:54 PM
Diana Lund (Originator)	Kathy Schmitz	03/04/2021 03:54 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 03:59 PM
Form Started By: Diana Lund		Started On: 02/16/2021 02:53 PM
Final Approval Date: 03/04/2021		

CITY OF RAMSEY
REPORT OF POOLED CASH FLOWS
Period Ended January 31, 2021

	January-21 CURRENT MONTH	2021 YEAR-TO-DATE
CASH AND TEMPORARY INVESTMENTS		
BEGINNING BALANCE (Includes PW Bond Proceeds)	$ 95,116,775.37	$ 95,116,775.37
CASH INFLOWS:		
Daily Deposit	447,943.32	447,943.32
Tax Settlements	374,749.21	374,749.21
U/B Receipts	9,887.97	9,887.97
Credit Cards (Includes Utility Billing)	146,992.64	146,992.64
Interest Earnings [Net of Interest Paid on Investments]	48,855.25	48,855.25
Bond Proceeds-int	1,266.86	1,266.86
TOTAL CASH INFLOW	$ 1,029,695.25	$ 1,029,695.25
TOTAL CASH AVAILABLE	$ 96,146,470.62	$ 96,146,470.62
CASH OUTFLOWS:		
Prepaid Checks	847,205.62	847,205.62
Bills Lists	884,979.40	884,979.40
Pay Estimates	1,767,473.46	1,767,473.46
Credit Cards	3,588.70	3,588.70
Payroll - Net	390,249.91	390,249.91
Flex Reimbursement	2,500.51	2,500.51
Void Checks/Dormant Checks Paid	(188.20)	(188.20)
Debt Service	-	-
Miscellaneous [Bank Charges; etc.]	330.49	330.49
TOTAL CASH OUTFLOW	$ 3,896,139.89	$ 3,896,139.89
POOLED CASH AND TEMPORARY INVESTMENTS ENDING BALANCE	**$ 92,250,330.73**	**$ 92,250,330.73**
MEMO - NET 2019 CASH INFLOW (OUTFLOW)	**(2,866,444.64)**	**(2,866,444.64)**
INVESTMENT PORTFOLIO SUMMARY		
BEGINNING BALANCE	**$ 73,628,220.22**	**73,628,220.22**
Purchases	4,570,000.00	4,570,000.00
Maturities/Sales	(5,105,176.32)	(5,105,176.32)
ENDING BALANCE	**$ 73,093,043.90**	**$ 73,093,043.90**

Prepared by the City of Ramsey Finance Department
2/18/2021

2021 CASH AND INVESTMENT ACTIVITY

CITY INVEST #	STATED MAT DATE	BROKER	SECURITY DESCRIP	FDIC #	CUSIP	PRIN BAL 1/1/2021	PURCH 2021	SOLD/ MATURE 2021	Adjust to Market Value	BV PRIN BAL 12/31/2021
150701B	2/1/2021	BAIRD	WINTHROP MN TAX		976367NE8	305,000.00		0.00		305,000.00
160322A	3/22/2021	BAIRD	FNMA		3136H3BT1	250,000.00		0.00		250,000.00
140904	9/1/2021	BAIRD	OKLAHOMA TAXABLE		678519RP6	535,000.00		0.00		535,000.00
191008B	12/1/2021	BAIRD	ROCK ISLAND IL TAX		7724872J2	270,000.00		0.00		270,000.00
191008C	12/1/2022	BAIRD	ROCK ISLAND IL TAX		7724872K9	270,000.00		0.00		270,000.00
										1,630,000.00
200130B	7/30/2021	ICD SEC	CD-COMMUNITY BA	26871	20361LCG7	245,000.00		0.00		245,000.00
190118B	1/19/2021	ICD SEC	CD-NBT BANK NA	7230	628779GB0	245,000.00		245,000.00		0.00
190719B	1/19/2021	ICD SEC	CD-WELLSLEY BAN	26605	94948LCR0	245,000.00		245,000.00		0.00
180726	4/26/2021	ICD SEC	CD-SIGNATURE BAN	57269	82668XFZ6	245,000.00		0.00		245,000.00
190712	7/12/2021	ICD SEC	CD-TIAA FSB	34775	8727OLCJ0	85,000.00		0.00		85,000.00
180717	7/16/2021	ICD SEC	CD-CURRIE STATE E	8833	23130SDL4	245,000.00		0.00		245,000.00
190118A	7/19/2021	ICD SEC	CD-TIAA FSB	34775	8727OLBQ5	156,000.00		0.00		156,000.00
190731B	7/30/2021	ICD SEC	CD-LAKE OSEOLA S	8172	510354AB9	245,000.00		0.00		245,000.00
180718B	10/18/2021	ICD SEC	CD-HERITAGE BANI	30090	42724JEH4	245,000.00		0.00		245,000.00
191211	12/13/2021	ICD SEC	CD-SALLIE MAE BA	58177	7954505X9	245,000.00		0.00		245,000.00
181228D	12/28/2021	ICD SEC	CD-BAR HARBOR BA	11971	066851WK8	245,000.00		0.00		245,000.00
181228C	12/28/2021	ICD SEC	CD-BMW BANK	35141	05580AQB3	96,000.00		0.00		96,000.00
190628A	12/28/2021	ICD SEC	CD-FLAGSTAR BANI	32541	33847E2Q9	245,000.00		0.00		245,000.00
191231A	12/31/2021	ICD SEC	CD-IOWA TRUST & S	18400	462595BB4	245,000.00		0.00		245,000.00
180727A	7/27/2022	ICD SEC	CD-KANSAS STATE	19899	50116CBY4	245,000.00		0.00		245,000.00
191227A	12/27/2022	ICD SEC	CD-PROMISEONE BA	58657	74348HAB4	245,000.00		0.00		245,000.00
191230D	12/30/2022	ICD SEC	CD-FIRST NATIONAL	03330	32112UDL2	245,000.00		0.00		245,000.00
										3,277,000.00
150903	11/1/2021	Northland	BROOKFIELD WI, TAXABLE		112857-BL-0	500,000.00		0.00		500,000.00
200123	12/15/2022	Northland	LUVERNE MN TAX		550629-VE-6	330,000.00		0.00		330,000.00
201230	5/1/2025	Northland	FREEPORT NY TAX		356731-CA-5	300,000.00		0.00		300,000.00
200130D	3/1/2022	Northland	RICHLAND SCHOOL DISTRICT		764080-FN-2	150,000.00		0.00		150,000.00
200113	3/1/2027	Northland	RICHLAND SCHOOL DISTRICT		764080-FT-9	165,000.00		0.00		165,000.00
200326A	4/1/2023	Northland	TULSA COUNTY OK TAX		899525-TR-0	100,000.00		0.00		100,000.00
200609	2/1/2021	Northland	MOUNTAIN LAKE MN TAX		624148-ME-9	170,000.00		0.00		170,000.00
200625	3/1/2029	Northland	LAWRENCE MASS TAX		520228-6Q-5	180,000.00		0.00		180,000.00
200825A	8/1/2027	Northland	CENTINELA VALLEY CA HS		15239-RP-4	250,000.00		0.00		250,000.00
200825B	8/1/2029	Northland	CENTINELA VALLEY CA HS		15239-RR-0	270,000.00		0.00		270,000.00
200914	8/1/2028	Northland	BURLESON TX IDS ZERO CPN		121403-4E6	500,000.00		0.00		500,000.00
200923	7/15/2029	Northland	WILKINSBURGO BORO PA TAX		968529-JV-0	265,000.00		0.00		265,000.00
130702B	1/1/2021	Northland	MINNETONKA ISD #276		604195-VY-0	400,000.00		400,000.00		0.00
130722	2/1/2021	Northland	MOUND MN TAXABLE		620835-W4-2	95,000.00		0.00		95,000.00
171228B	2/1/2021	Northland	SCOTT COUNTY TAX		809557-AZ-4	115,000.00		0.00		115,000.00
190220A	3/1/2021	Northland	FRANKLIN WIS TAX		419791-U97	500,000.00		0.00		500,000.00
170712	7/1/2021	Northland	GARDENDALE ALA TAX		365478-DQ-6	240,000.00		0.00		240,000.00
190628A	8/1/2021	Northland	WASHINGTON STATE GO TAX		93974DYX0	500,000.00		0.00		500,000.00
190731A	11/30/2021	Northland	CD-ENERBANK		29266N7E1	148,000.00		0.00		148,000.00
191017	12/1/2021	Northland	COLUMBS OH SCHOOL DISTR		199507-6J-8	130,000.00		0.00		130,000.00
130815B	12/1/2021	Northland	CHASKA, MN TAX		161664-DZ-7	75,000.00		0.00		75,000.00
141104	2/1/2022	Northland	DULUTH MN TAXABLE		264438-G5-5	150,000.00		0.00		150,000.00
150430	2/1/2022	Northland	MINNETONKA ISD #276		604195-YG-6	270,000.00		0.00		270,000.00
130624B	2/1/2022	Northland	RAMSEY COUNTY TAXABLE		751622-HG-9	285,000.00		0.00		285,000.00
190826	3/1/2022	Northland	OCONOMOWOC WIS TAX BOND		675635-KW-5	250,000.00		0.00		250,000.00
120321	3/1/2022	Northland	MADISION WI SCHOOL DISTR		558495-KN-6	500,000.00		0.00		500,000.00
190703	4/1/2022	Northland	WEST ALLIS WIS TAX		951173-JA-2	180,000.00		0.00		180,000.00
190424	5/15/2022	Northland	TEXAS A&M TAX		88213AEH4	130,000.00		0.00		130,000.00
170109	6/1/2022	Northland	DESMOINES IA TAX		250097-J3-7	200,000.00		0.00		200,000.00
150109	10/1/2022	Northland	HUBBARD COUNTY TAX		443348-DE-4	135,000.00		0.00		135,000.00
190515	11/1/2022	Northland	MICHICAN STATE SCHOOL TAX		594612-CY-7	205,000.00		0.00		205,000.00
120308B	12/1/2022	Northland	SHOREWOOD WIS TAX		825230-KW-4	150,000.00		0.00		150,000.00
130624A	2/1/2023	Northland	RAMSEY COUNTY TAXABLE		751622-HH-7	595,000.00		0.00		595,000.00
190628B	4/1/2023	Northland	WEST ALLIS WIS TAX		951173NP4	240,000.00		0.00		240,000.00
160812	5/1/2023	Northland	MONROE MI TAX		611101-MF-0	190,000.00		0.00		190,000.00
191107A	6/1/2023	Northland	NEWTON IOWA TAX		652810-YZ-9	250,000.00		0.00		250,000.00
190726B	6/1/2023	Northland	DESMOINES IA COMM COLLEGE TAX		250097L75	250,000.00		0.00		250,000.00
180913	7/31/2023	Northland	CD-BANK NEW ENGLAND SALEM		06426K-AN-8	245,000.00		0.00		245,000.00
121228B	9/1/2023	Northland	MIDDLETON WIS REFUND		596782-T6-7	300,000.00		0.00		300,000.00
190220B	11/1/2023	Northland	HAWAII ST GO BONDS		214471-PA-6	200,000.00		0.00		200,000.00
161114B	2/1/2024	Northland	ANDOVER MN TAX		034313-ZU-3	300,000.00		0.00		300,000.00
130412	2/1/2024	Northland	BECKER MN TAX		075671LJ4	50,000.00		0.00		50,000.00
180730	10/1/2024	Northland	HUBBARD COUNTY TAX		443348-DG-9	100,000.00		0.00		100,000.00
120214B	9/1/2025	Northland	MIDDLETON WIS REFUND		596782-TJ-1	315,000.00		0.00		315,000.00
190227	12/1/2025	Northland	COOK COUNTY SCHOOL DISTRICT		032879-TC-2	500,000.00		0.00		500,000.00
190404	9/1/2026	Northland	TUSCOLA COUNTY MISC TAX		900764RL7	395,000.00		0.00		395,000.00
191003A	12/1/2026	Northland	SCOTT BLUFF CTY SCHOOL DIST		810164-CQ-4	385,000.00		0.00		385,000.00
120308C	12/1/2027	Northland	SHOREWOOD WIS TAX		825230-LB-9	225,000.00		0.00		225,000.00
190402	2/1/2028	Northland	CLOQUET MN TAX		189036-PS-9	150,000.00		0.00		150,000.00
191016B	4/1/2028	Northland	COLUMBUS OH TAX		199492E339	285,000.00		0.00		285,000.00
120308D	12/1/2028	Northland	SHOREWOOD WIS TAX		825230-LC-7	465,000.00		0.00		465,000.00
										12,878,000.00
190123	1/25/2021	UBS	CD-ALLEGIANCE BA	58629	01748DBM7	245,000.00		245,000.00		0.00
210107	6/1/2031	UBS	SAN JOSE CA FING AUTHO		798153NL2		1,000,000.00	0.00		1,000,000.00
210111	6/1/2031	UBS	SAN JOSE CA FING AUTHO		798153NL2		320,000.00	0.00		320,000.00
210113	5/1/2029	UBS	NYC TRANSITIONAL		64971XSZ2		1,000,000.00	0.00		1,000,000.00
210114	12/1/2029	UBS	FRANKLIN COUNTY OH		353174JE6		1,000,000.00	0.00		1,000,000.00
210121	10/1/2027	UBS	MIAMI DADE COUNTY TAX		59333NV91		750,000.00	0.00		750,000.00
210129		UBS	UBS PRIME FUND				500,000.00	0.00		500,000.00

2021 CASH AND INVESTMENT ACTIVITY

CITY INVEST #	STATED MAT DATE	BROKER	SECURITY DESCRIP	FDIC #	CUSIP	PRIN BAL 1/1/2021	PURCH 2021	SOLD/ MATURE 2021	Adjust to Market Value	BV PRIN BAL 12/31/2021
200128	1/27/2021	UBS	CD-FIRST NATIONAL	5452	33213SJA1	245,000.00		0.00		245,000.00
200204A	2/3/2021	UBS	CD-TRUST BANK CE	9846	89788HAH6	245,000.00		245,000.00		0.00
200817	2/16/2021	UBS	BANK OF CHINA COMM PAPER		06119QPG6	10,000,000.00		0.00		10,000,000.00
160927A	5/1/2021	UBS	YPSILANTI MI SCHOOL DISTR		987864NY7	405,000.00		0.00		405,000.00
160422	5/15/2021	UBS	UNIVERSITY OF CA TAX		91412GFS9	500,000.00		0.00		500,000.00
180629A	6/29/2021	UBS	CD-WELLS FARGO	3511	949763RX6	245,000.00		0.00		245,000.00
180907	7/1/2021	UBS	FLORIDA STATE BOARD OF ADMIN		341271AB0	400,000.00		0.00		400,000.00
171211	7/1/2021	UBS	FLORIDA STATE BOARD OF ADMIN		341271AB0	235,000.00		0.00		235,000.00
180815A	8/16/2021	UBS	CD-DISCOVER BANI	5649	254673SV9	145,000.00		0.00		145,000.00
180926A	9/27/2021	UBS	CD-TOWNEBANK PORTSMOUTH VA		89214PCA5	200,000.00		0.00		200,000.00
160705	11/1/2021	UBS	MICHIGAN STATE TAX		594612CX9	300,000.00		0.00		300,000.00
201119A	12/1/2021	UBS	WARREN HEIGHTS OH BUILDING		936121JTO	150,000.00		0.00		150,000.00
160718	12/1/2021	UBS	LITTLE MIAMI OHIO SCHOOL		537292KY9	345,000.00		0.00		345,000.00
181214	12/14/2021	UBS	CD-BMW BANK		05580AQA5	95,000.00		0.00		95,000.00
181228G	12/28/2021	UBS	CD-ALLY BANK		02007GGT4	100,000.00		0.00		100,000.00
160601	2/15/2022	UBS	MCALLEN TAX'		582018FF5	200,000.00		0.00		200,000.00
151104	3/1/2022	UBS	NEW YORK TAXALBE		64966KQC0	500,000.00		0.00		500,000.00
190322	3/22/2022	UBS	CD-MEDALLION BA	57449	58404DDP3	245,000.00		0.00		245,000.00
160727	5/1/2022	UBS	NORTH BRANCH SCHOOL TAX		657740F50	500,000.00		0.00		500,000.00
190710	5/15/2022	UBS	CONVENTION CENTER AUTHORITY		32115AAG7	175,000.00		0.00		175,000.00
001127	7/25/2022	UBS	FNR G92-35		31358PHV2C	80.06		9.45		70.61
160830C	8/1/2022	UBS	NEW YORK CITY TAXABLE		64966MED7	300,000.00		0.00		300,000.00
021004	8/25/2022	UBS	FNR 1992-125L		31358PS40C	177.74		38.11		139.63
180108	10/1/2022	UBS	PALM BEACH COUNTY SOLID WASTE		696560LD1	450,000.00		0.00		450,000.00
020826	10/15/2022	UBS	FHR 1391D		312912LUO	126.70		9.72		116.98
201119B	12/1/2022	UBS	WARREN HEIGHTS OH BUILDING		936121JU7	165,000.00		0.00		165,000.00
191213	12/13/2022	UBS	CD-WELLS FARGO N	27389	949495AA3	245,000.00		0.00		245,000.00
161216B	12/16/2022	UBS	CD-MERCANTIL COI	22953	58733ADQ9	245,000.00		0.00		245,000.00
200116	1/17/2023	UBS	CD-MORGAN STANI	32992	6169OURY8	245,000.00		0.00		245,000.00
161208A	4/1/2023	UBS	NEW HOPE CULTURAL ED TAX		64542WAY6	250,000.00		0.00		250,000.00
150812	6/1/2023	UBS	CHARLOTTE TAXABLE		161037TL61	300,000.00		0.00		300,000.00
010328	6/25/2023	UBS	FHG14A		312916PD5R	2,000.00		0.00		2,000.00
180628	6/28/2023	UBS	CD-COMENITY BAN	27499	981996UP3	200,000.00		0.00		200,000.00
191230B	6/30/2023	UBS	CD-RAYMOND JAMI	33893	75472RAR2	245,000.00		0.00		245,000.00
201119C	12/1/2023	UBS	WARREN HEIGHTS OH BUILDING		936121JV5	165,000.00		0.00		165,000.00
190118C	5/22/2024	UBS	CD-CAPITAL ONE	4297	14042RLP4	245,000.00		0.00		245,000.00
190118C	5/22/2024	UBS	CD-CAPITAL ONE U!	33954	14042TAP2	245,000.00		0.00		245,000.00
190315	3/15/2024	UBS	CD-COMENITY CAPI	57570	20033AS31	245,000.00		0.00		245,000.00
190325	3/25/2024	UBS	CD-BANK HAPOALI	33686	06251AW48	245,000.00		0.00		245,000.00
200325	4/1/2024	UBS	NEW YORK HOUSING		649883S2	500,000.00		0.00		500,000.00
161018	7/1/2024	UBS	SELMA ALA TAX		816459QV6	500,000.00		0.00		500,000.00
151009	9/1/2024	UBS	NJ ENVIRONMENTAL INFRASTRUCTURE		645791CAO	270,000.00		0.00		270,000.00
190918	9/18/2024	UBS	CD-FIRST NATIONAI	4779	334342CF7	245,000.00		0.00		245,000.00
161026	10/1/2024	UBS	HONOLULU TAX		4386705W7	300,000.00		0.00		300,000.00
151023	10/1/2024	UBS	MADISON TAXABLE		55844RKN3	640,000.00		0.00		640,000.00
161208B	11/1/2024	UBS	MICHIGAN FIN AUTH REV		59447TJX2	250,000.00		0.00		250,000.00
191127	11/27/2024	UBS	CD-STATE BANK INI	33682	856285RS2	245,000.00		0.00		245,000.00
201119D	12/1/2024	UBS	WARREN HEIGHTS OH BUILDING		93612JW3	165,000.00		0.00		165,000.00
191107B	12/1/2024	UBS	CORPUS CHRISTI TEX TRANS		220228BK5	400,000.00		0.00		400,000.00
190418	12/5/2024	UBS	CD-DELTA NATIONA	26633	2477RBD6	200,000.00		0.00		200,000.00
180629C	6/1/2025	UBS	MARYLAND STATE TAX		57420PGR1	300,000.00		0.00		300,000.00
161114A	7/1/2025	UBS	LEXINGTON FAYETTE AIRPORT		52909MCA0	300,000.00		0.00		300,000.00
191101	8/1/2025	UBS	MASSACHUSETTS ST WATER		576051VF0	400,000.00		0.00		400,000.00
201119E	12/1/2025	UBS	WARREN HEIGHTS OH BUILDING		936121JX1	175,000.00		0.00		175,000.00
191122A	12/1/2025	UBS	WARRENSVILLE HEIGHTS OHIO		936121JM5	500,000.00		0.00		500,000.00
191105	3/1/2026	UBS	MARYLAND STATE COMM DEV		57419TDZ1	320,000.00		0.00		320,000.00
201105	4/1/2026	UBS	PARAMUS NJ SCHOOL		699347LF5	500,000.00		0.00		500,000.00
200113	4/15/2026	UBS	PHILADELPHIA AUTHORITY-ZERO COUP		71781LBU2	300,000.00		0.00		300,000.00
201204	4/15/2026	UBS	LONG BEACH CITY SCHOOL DIS		542535LY3	750,000.00		0.00		750,000.00
191115A	7/1/2026	UBS	LEXINGTON FAYETTE URBAN COUNTY		52909MDR2	470,000.00		0.00		470,000.00
200326B	8/1/2026	UBS	SAN BERNARDINO COMM		796720NA47	500,000.00		0.00		500,000.00
191219B	11/1/2026	UBS	OPELIKA ALABAMA TAX		683489ZB1	400,000.00		0.00		400,000.00
191016A	12/1/2026	UBS	DENVER CITY & COUNTY HSG		24917NAG6	500,000.00		0.00		500,000.00
200925	4/1/2027	UBS	WESTERN WASHINGTON UNIV		959878RJO	500,000.00		0.00		500,000.00
191219A	6/1/2027	UBS	UNIVERSITY OF NORTHERN COLORADO		914733DY3	360,000.00		0.00		360,000.00
191022	10/1/2027	UBS	NEW YORK NY TAX		64966QEK2	500,000.00		0.00		500,000.00
160802	12/1/2027	UBS	TOOLE CITY UT TAX		89033RBU7	400,000.00		0.00		400,000.00
190725A	12/1/2027	UBS	WRIGHT COUNTY TAXABLE		982276BK2	630,000.00		0.00		630,000.00
201007	8/1/2028	UBS	SAN BERNARDINO CALIFORN UNIV TAX		796711H44	1,000,000.00		0.00		1,000,000.00
191108	8/1/2028	UBS	CORONA-NORCO CAL		219764SC2	405,000.00		0.00		405,000.00
200320	9/1/2028	UBS	PENNSYLVANIA UNIV TAX		709235P25	425,000.00		0.00		425,000.00
191212	10/1/2028	UBS	UNIVERSITY OF ALABAMA TAX		914745GG2	400,000.00		0.00		400,000.00
191024	2/1/2029	UBS	PULASKI COUNTY		745401EGO3	400,000.00		0.00		400,000.00
200630A	7/1/2029	UBS	NEW YORK STATE DORM AUTH		64990GS86	430,000.00		0.00		430,000.00
200611	11/1/2029	UBS	VENTURA COUNTY CA		923078CZ0	400,000.00		0.00		400,000.00
200324	3/1/2030	UBS	NEW YORK CITY TAXABLE		64966QJL5	500,000.00		0.00		500,000.00
200921	7/1/2030	UBS	FLORIDA STATE REV BOND		341271AF1	500,000.00		0.00		500,000.00
101013	12/1/2030	UBS	HIDALGO COUNTY TEX TAX		429343BT3	500,000.00		0.00		500,000.00
201102	12/1/2030	UBS	XENIA OH COMM SCHOOL		984071CC2	720,000.00		0.00		720,000.00
200417	9/1/2031	UBS	CITY OF NORFOLK VA TAX		655867G94	220,000.00		0.00		220,000.00
201221	10/01/26	UBS	LANCASTER OH SCHOOL DIST		514264FGO	1,675,000.00		0.00		1,675,000.00
201218	12-18-24	UBS	CD-TEXAS EXCHANGE		88241TJQ4	248,000.00		0.00		248,000.00
200612		UBS	UBS PRIME FUND			1,445,483.93		1,369,310.10		76,173.83
200623		UBS	UBS PRIME FUND			1,741,251.98		0.00		1,741,251.98

2021 CASH AND INVESTMENT ACTIVITY

CITY INVEST #	STATED MAT DATE	BROKER	SECURITY DESCRIP	FDIC #	CUSIP	PRIN BAL 1/1/2021	PURCH 2021	SOLD/ MATURE 2021	Adjust to Market Value	BV PRIN BAL 12/31/2021
200714		UBS	UBS PRIME FUND			531,198.11		0.00		531,198.11
200717		UBS	UBS PRIME FUND			8,002,863.63		0.00		8,002,863.63
200728		UBS	UBS PRIME FUND			1,405,590.52		0.00		1,405,590.52
200731A		UBS	UBS PRIME FUND			259,035.81		0.00		259,035.81
200731B		UBS	UBS Select FUND			247,506.71		247,506.71		0.00
200630B		UBS	UBS PRIME FUND			601,602.80		0.00		601,602.80
200531		UBS	PRIME MM			667,488.28		667,488.28		0.00
200430		UBS	SELECT MM			1,440,813.95		1,440,813.95		0.00
										55,308,043.90
	TOTAL INVESTMENTS					73,628,220.22	4,570,000.00	5,105,176.32		73,093,043.90
			Unamortized Premiums			1,578,603.54	77,011.00			1,655,614.54
			Unamortized Discounts			(3,900,908.40)				(3,900,908.40)
			PW Debt-Ameritrade			8,895,641.10	1,266.86			8,896,907.96
			BOW			4,018,693.38	8,151,653.66	8,561,640.78		3,608,706.26
			Money Market Accounts			10,896,525.53	440.94	2,000,000.00		8,896,966.47
			Net Cash and Investments			95,116,775.37	12,800,372.46	15,666,817.10		92,250,330.73

CC Regular Session **5. 3.**

Meeting Date: 03/09/2021

By: Diana Lund, Finance

Information

Title

Receive Cash & Investments for Period Ending February 28, 2021

Purpose/Background:

Purpose: Receive reports of the city's cash and investments for the period ending February 28, 2021.

Cash and investment report shows the monthly cash flow - receipts and expenditures through February 28, 2021 with the current listing of the city's investment portfolio.

Recommendation:

No action required. Informational only.

Action:

No action required. Informational only.

Attachments

Cash & Investments for Period Ending February 28, 2021

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:28 PM
Form Started By: Diana Lund		Started On: 03/01/2021 03:09 PM
Final Approval Date: 03/04/2021		

CITY OF RAMSEY
REPORT OF POOLED CASH FLOWS
Period Ended February 28, 2021

	February-21 CURRENT MONTH	2021 YEAR-TO-DATE
CASH AND TEMPORARY INVESTMENTS		
BEGINNING BALANCE (Includes PW Bond Proceeds)	$ 92,250,330.73	$ 95,116,775.37
CASH INFLOWS:		
Daily Deposit	1,580,775.28	2,028,718.60
Tax Settlements	-	374,749.21
U/B Receipts	436,235.73	446,123.70
Credit Cards (Includes Utility Billing)	634,554.61	781,547.25
Interest Earnings [Net of Interest Paid on Investments]	84,989.75	133,845.00
Bond Proceeds-int	(407.74)	859.12
TOTAL CASH INFLOW	$ 2,736,147.63	$ 3,765,842.88
TOTAL CASH AVAILABLE	$ 94,986,478.36	$ 98,882,618.25
CASH OUTFLOWS:		
Prepaid Checks	1,948,885.68	2,796,091.30
Bills Lists	656,265.49	1,541,244.89
Pay Estimates	456,386.50	2,223,859.96
Credit Cards	4,426.81	8,015.51
Payroll - Net	399,616.55	789,866.46
Flex Reimbursement	6,024.52	8,525.03
Void Checks/Dormant Checks Paid	-	(188.20)
Debt Service	-	-
Miscellaneous [Bank Charges; etc.]	177.50	507.99
TOTAL CASH OUTFLOW	$ 3,471,783.05	$ 7,367,922.94
POOLED CASH AND TEMPORARY INVESTMENTS ENDING BALANCE	**$ 91,514,695.31**	**$ 91,514,695.31**
MEMO - NET 2021 CASH INFLOW (OUTFLOW)	**(735,635.42)**	**(3,602,080.06)**
INVESTMENT PORTFOLIO SUMMARY		
BEGINNING BALANCE	**$ 73,093,043.90**	**73,628,220.22**
Purchases	24,834,659.36	29,404,659.36
Maturities/Sales	(24,444,716.80)	(29,549,893.12)
ENDING BALANCE	**$ 73,482,986.46**	**$ 73,482,986.46**

Prepared by the City of Ramsey Finance Department
3/2/2021

2021 CASH AND INVESTMENT ACTIVITY

CITY INVEST #	STATED MAT DATE	BROKER	SECURITY DESCRIP	FDIC #	CUSIP	PRIN BAL 1/1/2021	PURCH 2021	SOLD/ MATURE 2021	Adjust to Market Value	BV PRIN BAL 12/31/2021
150701B	2/1/2021	BAIRD	WINTHROP MN TAX		976367NE8	305,000.00		305,000.00		0.00
160322A	3/22/2021	BAIRD	FNMA		3136H3BT1	250,000.00		0.00		250,000.00
140904	9/1/2021	BAIRD	OKLAHOMA TAXABLE		678519RP6	535,000.00		0.00		535,000.00
191008B	12/1/2021	BAIRD	ROCK ISLAND IL TAX		7724872J2	270,000.00		0.00		270,000.00
191008C	12/1/2022	BAIRD	ROCK ISLAND IL TAX		7724872K9	270,000.00		0.00		270,000.00
										1,325,000.00
200130B	7/30/2021	ICD SEC	CD-COMMUNITY BA	26871	20361LCG7	245,000.00		0.00		245,000.00
190118B	1/19/2021	ICD SEC	CD-NBT BANK NA	7230	628779GB0	245,000.00		245,000.00		0.00
190719B	1/19/2021	ICD SEC	CD-WELLSLEY BAN	26605	94948LCR0	245,000.00		245,000.00		0.00
180726	4/26/2021	ICD SEC	CD-SIGNATURE BAI	57269	82668XFZ6	245,000.00		0.00		245,000.00
190712	7/12/2021	ICD SEC	CD-TIAA FSB	34775	8727OLCJ0	85,000.00		0.00		85,000.00
180717	7/16/2021	ICD SEC	CD-CURRIE STATE E	8833	23130SDL4	245,000.00		0.00		245,000.00
190118A	7/19/2021	ICD SEC	CD-TIAA FSB	34775	8727OLBQ5	156,000.00		0.00		156,000.00
190731B	7/30/2021	ICD SEC	CD-LAKE OSEOLA S	8172	510354AB9	245,000.00		0.00		245,000.00
180718B	10/18/2021	ICD SEC	CD-HERITAGE BANI	30090	42724JEH4	245,000.00		0.00		245,000.00
191211	12/13/2021	ICD SEC	CD-SALLIE MAE BA	58177	7954505X9	245,000.00		0.00		245,000.00
181228D	12/28/2021	ICD SEC	CD-BAR HARBOR BA	11971	066851WK8	245,000.00		0.00		245,000.00
181228C	12/28/2021	ICD SEC	CD-BMW BANK	35141	05580AQB3	96,000.00		0.00		96,000.00
190628A	12/28/2021	ICD SEC	CD-FLAGSTAR BANI	32541	33847E2Q9	245,000.00		0.00		245,000.00
191231A	12/31/2021	ICD SEC	CD-IOWA TRUST & S	18400	462595BB4	245,000.00		0.00		245,000.00
180727A	7/27/2022	ICD SEC	CD-KANSAS STATE	19899	50116CBY4	245,000.00		0.00		245,000.00
191227A	12/27/2022	ICD SEC	CD-PROMISEONE BA	58657	74348HAB4	245,000.00		0.00		245,000.00
191230D	12/30/2022	ICD SEC	CD-FIRST NATIONAI	03330	32112UDL2	245,000.00		0.00		245,000.00
										3,277,000.00
150903	11/1/2021	Northland	BROOKFIELD WI, TAXABLE		112857-BL-0	500,000.00		0.00		500,000.00
200123	12/15/2022	Northland	LUVERNE MN TAX		550629-VE-6	330,000.00		0.00		330,000.00
201230	5/1/2025	Northland	FREEPORT NY TAX		356731-CA-5	300,000.00		0.00		300,000.00
200130D	3/1/2022	Northland	RICHLAND SCHOOL DISTRICT		764080-FN-2	150,000.00		0.00		150,000.00
200113	3/1/2027	Northland	RICHLAND SCHOOL DISTRICT		764080-FT-9	165,000.00		0.00		165,000.00
200326A	4/1/2023	Northland	TULSA COUNTY OK TAX		899525-TR-0	100,000.00		0.00		100,000.00
200609	2/1/2021	Northland	MOUNTAIN LAKE MN TAX		624148-ME-9	170,000.00		170,000.00		0.00
200625	3/1/2029	Northland	LAWRENCE MASS TAX		520228-6Q-5	180,000.00		0.00		180,000.00
200825A	8/1/2027	Northland	CENTINELA VALLEY CA HS		15239-RP-4	250,000.00		0.00		250,000.00
200825B	8/1/2029	Northland	CENTINELA VALLEY CA HS		15239-RR-0	270,000.00		0.00		270,000.00
200914	8/1/2028	Northland	BURLESON TX IDS ZERO CPN		121403-4E6	500,000.00		0.00		500,000.00
200923	7/15/2029	Northland	WILKINSBURGO BORO PA TAX		968529-JV-0	265,000.00		0.00		265,000.00
130702B	1/1/2021	Northland	MINNETONKA ISD #276		604195-VY-0	400,000.00		400,000.00		0.00
130722	2/1/2021	Northland	MOUND MN TAXABLE		620S35-W4-2	95,000.00		95,000.00		0.00
171228B	2/1/2021	Northland	SCOTT COUNTY TAX		809557-AZ-4	115,000.00		115,000.00		0.00
190220A	3/1/2021	Northland	FRANKLIN WIS TAX		419791-U97	500,000.00		0.00		500,000.00
170712	7/1/2021	Northland	GARDENDALE ALA TAX		365478-DQ-6	240,000.00		0.00		240,000.00
190628A	8/1/2021	Northland	WASHINGTON STATE GO TAX		93974DYX0	500,000.00		0.00		500,000.00
190731A	11/30/2021	Northland	CD-ENERBANK		29266N7E1	148,000.00		0.00		148,000.00
191017	12/1/2021	Northland	COLUMBS OH SCHOOL DISTR		199507-6J-8	130,000.00		0.00		130,000.00
130815B	12/1/2021	Northland	CHASKA, MN TAX		161664-DZ-7	75,000.00		0.00		75,000.00
141104	2/1/2022	Northland	DULUTH MN TAXABLE		264438-G5-5	150,000.00		0.00		150,000.00
150430	2/1/2022	Northland	MINNETONKA ISD #276		604195-YG-6	270,000.00		0.00		270,000.00
130624B	2/1/2022	Northland	RAMSEY COUNTY TAXABLE		751622-HG-9	285,000.00		285,000.00		0.00
190826	3/1/2022	Northland	OCONOMOWOC WIS TAX BOND		675635-KW-5	250,000.00		0.00		250,000.00
120321	3/1/2022	Northland	MADISION WI SCHOOL DISTR		558495-KN-6	500,000.00		0.00		500,000.00
190703	4/1/2022	Northland	WEST ALLIS WIS TAX		951173-JA-2	180,000.00		0.00		180,000.00
190424	5/15/2022	Northland	TEXAS A&M TAX		88213AEH4	130,000.00		0.00		130,000.00
170109	6/1/2022	Northland	DESMOINES IA TAX		250097-J3-7	200,000.00		0.00		200,000.00
150109	10/1/2022	Northland	HUBBARD COUNTY TAX		443348-DE-4	135,000.00		0.00		135,000.00
190515	11/1/2022	Northland	MICHICAN STATE SCHOOL TAX		594612-CY-7	205,000.00		0.00		205,000.00
120308B	12/1/2022	Northland	SHOREWOOD WIS TAX		825230-KW-4	150,000.00		0.00		150,000.00
130624A	2/1/2023	Northland	RAMSEY COUNTY TAXABLE		751622-HH-7	595,000.00		595,000.00		0.00
190628B	4/1/2023	Northland	WEST ALLIS WIS TAX		951173NP4	240,000.00		0.00		240,000.00
160812	5/1/2023	Northland	MONROE MI TAX		611101-MF-0	190,000.00		0.00		190,000.00
191107A	6/1/2023	Northland	NEWTON IOWA TAX		652810-YZ-9	250,000.00		0.00		250,000.00
190726B	6/1/2023	Northland	DESMOINES IA COMM COLLEGE TAX		250097L75	250,000.00		0.00		250,000.00
180913	7/31/2023	Northland	CD-BANK NEW ENGLAND SALEM		06426K-AN-8	245,000.00		0.00		245,000.00
121228B	9/1/2023	Northland	MIDDLETON WIS REFUND		596782-T6-7	300,000.00		0.00		300,000.00
190220B	11/1/2023	Northland	HAWAII ST GO BONDS		214471-PA-6	200,000.00		0.00		200,000.00
161114B	2/1/2024	Northland	ANDOVER MN TAX		034313-ZU-3	300,000.00		0.00		300,000.00
130412	2/1/2024	Northland	BECKER MN TAX		075671LJ4	50,000.00		50,000.00		0.00
180730	10/1/2024	Northland	HUBBARD COUNTY TAX		443348-DG-9	100,000.00		0.00		100,000.00
120214B	9/1/2025	Northland	MIDDLETON WIS REFUND		596782-TJ-1	315,000.00		0.00		315,000.00
190227	12/1/2025	Northland	COOK COUNTY SCHOOL DISTRICT		032879-TC-2	500,000.00		0.00		500,000.00
190404	9/1/2026	Northland	TUSCOLA COUNTY MISC TAX		900764RL7	395,000.00		0.00		395,000.00
191003A	12/1/2026	Northland	SCOTT BLUFF CTY SCHOOL DIST		810164-CQ-4	385,000.00		0.00		385,000.00
120308C	12/1/2027	Northland	SHOREWOOD WIS TAX		825230-LB-9	225,000.00		0.00		225,000.00
190402	2/1/2028	Northland	CLOQUET MN TAX		189036-PS-9	150,000.00		0.00		150,000.00
191016B	4/1/2028	Northland	COLUMBUS OH TAX		199492E339	285,000.00		0.00		285,000.00
120308D	12/1/2028	Northland	SHOREWOOD WIS TAX		825230-LC-7	465,000.00		0.00		465,000.00
										11,568,000.00
190123	1/25/2021	UBS	CD-ALLEGIANCE BA	58629	01748DBM7	245,000.00		245,000.00		0.00
210107	6/1/2031	UBS	SAN JOSE CA FING AUTHO		798153NL2		1,000,000.00	0.00		1,000,000.00
210111	6/1/2031	UBS	SAN JOSE CA FING AUTHO		798153NL2		320,000.00	0.00		320,000.00
210113	5/1/2029	UBS	NYC TRANSITIONAL		64971XSZ2		1,000,000.00	0.00		1,000,000.00
210114	12/1/2029	UBS	FRANKLIN COUNTY OH		353174JE6		1,000,000.00	0.00		1,000,000.00
210121	10/1/2027	UBS	MIAMI DADE COUNTY TAX		59333NV91		750,000.00	0.00		750,000.00
210129		UBS	UBS PRIME FUND				500,000.00	0.00		500,000.00

2021 CASH AND INVESTMENT ACTIVITY

CITY INVEST #	STATED MAT DATE	BROKER	SECURITY DESCRIP	FDIC #	CUSIP	PRIN BAL 1/1/2021	PURCH 2021	SOLD/ MATURE 2021	Adjust to Market Value	BV PRIN BAL 12/31/2021
210222		UBS	UBS PRIME FUND				8,544,716.80	0.00		8,544,716.80
210217	6/1/2021	UBS	CP-SANTANDER UK				2,900,000.00	0.00		2,900,000.00
210219	9/1/2027	UBS	VIRGINIA COLLEGE BLDG				500,000.00	0.00		500,000.00
210224A	8/23/2021	UBS	CP-BANK OF CHINA				10,000,000.00	0.00		10,000,000.00
210224B	11/1/2028	UBS	WILL COUNTY ILL COMMUNITY		969078QN7		2,500,000.00	0.00		2,500,000.00
200128	1/27/2021	UBS	CD-FIRST NATIONAl	5452	33213SJA1	245,000.00		245,000.00		0.00
200204A	2/3/2021	UBS	CD-TRUST BANK CE	9846	89788HAH6	245,000.00		245,000.00		0.00
200817	2/16/2021	UBS	BANK OF CHINA COMM PAPER		06119QPG6	10,000,000.00		10,000,000.00		0.00
160927A	5/1/2021	UBS	YPSILANTI MI SCHOOL DISTR		987864NY7	405,000.00		0.00		405,000.00
160422	5/15/2021	UBS	UNIVERSITY OF CA TAX		91412GFS9	500,000.00		0.00		500,000.00
180629A	6/29/2021	UBS	CD-WELLS FARGO	3511	949763RX6	245,000.00		0.00		245,000.00
180907	7/1/2021	UBS	FLORIDA STATE BOARD OF ADMIN		341271ABO	400,000.00		0.00		400,000.00
171211	7/1/2021	UBS	FLORIDA STATE BOARD OF ADMIN		341271AB0	235,000.00		0.00		235,000.00
180815A	8/16/2021	UBS	CD-DISCOVER BANI	5649	254673SV9	145,000.00		0.00		145,000.00
180926A	9/27/2021	UBS	CD-TOWNEBANK PORTSMOUTH VA		89214PCA5	200,000.00		0.00		200,000.00
160705	11/1/2021	UBS	MICHIGAN STATE TAX		594612CX9	300,000.00		0.00		300,000.00
201119A	12/1/2021	UBS	WARREN HEIGHTS OH BUILDING		936121JTO	150,000.00		0.00		150,000.00
160718	12/1/2021	UBS	LITTLE MIAMI OHIO SCHOOL		537292KY9	345,000.00		0.00		345,000.00
181214	12/14/2021	UBS	CD-BMW BANK		05580AQA5	95,000.00		0.00		95,000.00
181228G	12/28/2021	UBS	CD-ALLY BANK		02007GGT4	100,000.00		0.00		100,000.00
160601	2/15/2022	UBS	MCALLEN TAX'		582018FF5	200,000.00		0.00		200,000.00
151104	3/1/2022	UBS	NEW YORK TAXALBE		64966KQC0	500,000.00		0.00		500,000.00
190322	3/22/2022	UBS	CD-MEDALLION BA	57449	58404DDP3	245,000.00		0.00		245,000.00
160727	5/1/2022	UBS	NORTH BRANCH SCHOOL TAX		657740F50	500,000.00		0.00		500,000.00
190710	5/15/2022	UBS	CONVENTION CENTER AUTHORITY		32115AAG7	175,000.00		0.00		175,000.00
001127	7/25/2022	UBS	FNR G92-35		31358PHV2C	80.06		17.62		62.44
160830C	8/1/2022	UBS	NEW YORK CITY TAXABLE		64966MED7	300,000.00		0.00		300,000.00
021004	8/25/2022	UBS	FNR 1992-125L		31358PS40C	177.74		47.27		130.47
180108	10/1/2022	UBS	PALM BEACH COUNTY SOLID WASTE		696560LD1	450,000.00		0.00		450,000.00
020826	10/15/2022	UBS	FHR 1391D		312912LUO	126.70		16.63		110.07
201119B	12/1/2022	UBS	WARREN HEIGHTS OH BUILDING		936121JU7	165,000.00		0.00		165,000.00
191213	12/13/2022	UBS	CD-WELLS FARGO N	27389	949495AA3	245,000.00		0.00		245,000.00
161216B	12/16/2022	UBS	CD-MERCANTIL COI	22953	58733ADQ9	245,000.00		0.00		245,000.00
200116	1/17/2023	UBS	CD-MORGAN STANI	32992	6169OURY8	245,000.00		0.00		245,000.00
161208A	4/1/2023	UBS	NEW HOPE CULTURAL ED TAX		64542WAY6	250,000.00		0.00		250,000.00
150812	6/1/2023	UBS	CHARLOTTE TAXABLE		161037L61	300,000.00		0.00		300,000.00
010328	6/25/2023	UBS	FHG14A		312916PD5R	2,000.00		0.00		2,000.00
180628	6/28/2023	UBS	CD-COMENITY BAN	27499	981996UP3	200,000.00		0.00		200,000.00
191230B	6/30/2023	UBS	CD-RAYMOND JAMI	33893	75472RAR2	245,000.00		0.00		245,000.00
201119C	12/1/2023	UBS	WARREN HEIGHTS OH BUILDING		936121JV5	165,000.00		0.00		165,000.00
190118C	5/22/2024	UBS	CD-CAPITAL ONE	4297	14042RLP4	245,000.00		0.00		245,000.00
190118C	5/22/2024	UBS	CD-CAPITAL ONE U!	33954	14042TAP2	245,000.00		0.00		245,000.00
190315	3/15/2024	UBS	CD-COMENITY CAPI	57570	20033AS31	245,000.00		0.00		245,000.00
190325	3/25/2024	UBS	CD-BANK HAPOALI	33686	06251AW48	245,000.00		0.00		245,000.00
200325	4/1/2024	UBS	NEW YORK HOUSING		649883S2	500,000.00		0.00		500,000.00
161018	7/1/2024	UBS	SELMA ALA TAX		816459QV6	500,000.00		0.00		500,000.00
151009	9/1/2024	UBS	NJ ENVIRONMENTAL INFRASTRUCTURE		645791CAO	270,000.00		0.00		270,000.00
190918	9/18/2024	UBS	CD-FIRST NATIONAl	4779	334342CF7	245,000.00		0.00		245,000.00
161026	10/1/2024	UBS	HONOLULU TAX		4386705W7	300,000.00		0.00		300,000.00
151023	10/1/2024	UBS	MADISON TAXABLE		55844RKN3	640,000.00		0.00		640,000.00
161208B	11/1/2024	UBS	MICHIGAN FIN AUTH REV		59447TJX2	250,000.00		0.00		250,000.00
191127	11/27/2024	UBS	CD-STATE BANK INI	33682	856285RS2	245,000.00		0.00		245,000.00
201119D	12/1/2024	UBS	WARREN HEIGHTS OH BUILDING		93612JW3	165,000.00		0.00		165,000.00
191107B	12/1/2024	UBS	CORPUS CHRISTI TEX TRANS		220228BK5	400,000.00		0.00		400,000.00
190418	12/5/2024	UBS	CD-DELTA NATIONA	26633	2477RBD6	200,000.00		0.00		200,000.00
180629C	6/1/2025	UBS	MARYLAND STATE TAX		57420PGR1	300,000.00		0.00		300,000.00
161114A	7/1/2025	UBS	LEXINGTON FAYETTE AIRPORT		52909MCA0	300,000.00		0.00		300,000.00
191101	8/1/2025	UBS	MASSACHUSETTS ST WATER		576051VFO	400,000.00		0.00		400,000.00
201119E	12/1/2025	UBS	WARREN HEIGHTS OH BUILDING		936121JX1	175,000.00		0.00		175,000.00
191122A	12/1/2025	UBS	WARRENSVILLE HEIGHTS OHIO		936121JM5	500,000.00		0.00		500,000.00
191105	3/1/2026	UBS	MARYLAND STATE COMM DEV		57419TDZ1	320,000.00		0.00		320,000.00
201105	4/1/2026	UBS	PARAMUS NJ SCHOOL		699347LF5	500,000.00		0.00		500,000.00
200113	4/15/2026	UBS	PHILADELPHIA AUTHORITY-ZERO COUP		71781LBU2	300,000.00		0.00		300,000.00
201204	4/15/2026	UBS	LONG BEACH CITY SCHOOL DIS		542535LY3	750,000.00		0.00		750,000.00
191115A	7/1/2026	UBS	LEXINGTON FAYETEE URBAN COUNTY		52909MDR2	470,000.00		0.00		470,000.00
200326B	8/1/2026	UBS	SAN BERNARDINO COMM		79672ONA47	500,000.00		0.00		500,000.00
191219B	11/1/2026	UBS	OPELIKA ALABAMA TAX		683489ZE1	400,000.00		0.00		400,000.00
191016A	12/1/2026	UBS	DENVER CITY & COUNTY HSG		24917NAG6	500,000.00		0.00		500,000.00
200925	4/1/2027	UBS	WESTERN WASHINGTON UNIV		959878RJO	500,000.00		0.00		500,000.00
191219A	6/1/2027	UBS	UNIVERSITY OF NORTHERN COLORADO		914733DY3	360,000.00		0.00		360,000.00
191022	10/1/2027	UBS	NEW YORK NY TAX		64966QEK2	500,000.00		0.00		500,000.00
160802	12/1/2027	UBS	TOOLE CITY UT TAX		89033RBU7	400,000.00		0.00		400,000.00
190725A	12/1/2027	UBS	WRIGHT COUNTY TAXABLE		982276BK2	630,000.00		0.00		630,000.00
201007	8/1/2028	UBS	SAN BERNARDINO CALIFORN UNIV TAX		796711H44	1,000,000.00		0.00		1,000,000.00
191108	8/1/2028	UBS	CORONA-NORCO CAL		219764SC2	405,000.00		0.00		405,000.00
200320	9/1/2028	UBS	PENNSYLVANIA UNIV TAX		709235P25	425,000.00		0.00		425,000.00
191212	10/1/2028	UBS	UNIVERSITY OF ALABAMA TAX		914745GG2	400,000.00		0.00		400,000.00
191024	2/1/2029	UBS	PULASKI COUNTY		745401EGO3	400,000.00		0.00		400,000.00
200630A	7/1/2029	UBS	NEW YORK STATE DORM AUTH		64990GS86	430,000.00		0.00		430,000.00
200611	11/1/2029	UBS	VENTURA COUNTY CA		923078CZ0	400,000.00		0.00		400,000.00
200324	3/1/2030	UBS	NEW YORK CITY TAXABLE		64966QJL5	500,000.00		0.00		500,000.00
200921	7/1/2030	UBS	FLORIDA STATE REV BOND		341271AF1	500,000.00		0.00		500,000.00
101013	12/1/2030	UBS	HIDALGO COUNTY TEX TAX		429343BT3	500,000.00		0.00		500,000.00
201102	12/1/2030	UBS	XENIA OH COMM SCHOOL		984071CC2	720,000.00		0.00		720,000.00

2021 CASH AND INVESTMENT ACTIVITY

CITY INVEST #	STATED MAT DATE	BROKER	SECURITY DESCRIP	FDIC #	CUSIP	PRIN BAL 1/1/2021	PURCH 2021	SOLD/ MATURE 2021	Adjust to Market Value	BV PRIN BAL 12/31/2021
200417	9/1/2031	UBS	CITY OF NORFOLK VA TAX		655867G94	220,000.00		0.00		220,000.00
201221	10/01/26	UBS	LANCASTER OH SCHOOL DIST		514264FGO	1,675,000.00		0.00		1,675,000.00
201218	12-18-24	UBS	CD-TEXAS EXCHANGE		88241TJQ4	248,000.00		0.00		248,000.00
200612		UBS	UBS PRIME FUND			1,445,483.93		1,445,483.93		0.00
200623		UBS	UBS PRIME FUND			1,741,251.98		1,741,251.98		0.00
200714		UBS	UBS PRIME FUND			531,198.11		531,198.11		0.00
200717		UBS	UBS PRIME FUND			8,002,863.63		8,002,863.63		0.00
200728		UBS	UBS PRIME FUND			1,405,590.52		1,241,659.65		163,930.87
200731A		UBS	UBS PRIME FUND			259,035.81		0.00		259,035.81
200731B		UBS	UBS Select FUND			247,506.71		247,506.71		0.00
200630B		UBS	UBS PRIME FUND			601,602.80		601,602.80		0.00
200531		UBS	PRIME MM			667,488.28		667,488.28		0.00
200430		UBS	SELECT MM			1,440,813.95		1,440,813.95		0.00
										57,312,986.46
	TOTAL INVESTMENTS					73,628,220.22	29,014,716.80	29,159,950.56		**73,482,986.46**
			Unamortized Premiums			1,578,603.54	77,011.00			1,655,614.54
			Unamortized Discounts			(3,900,908.40)	(306,546.56)			(4,207,454.96)
			PW Debt-Ameritrade			8,895,641.10	1,266.86	407.74		8,896,500.22
			BOW			4,018,693.38	36,943,607.00	36,172,527.97		4,789,772.41
			Money Market Accounts			10,896,525.53	751.11	4,000,000.00		6,897,276.64
			Net Cash and Investments			95,116,775.37	65,730,806.21	69,332,886.27		91,514,695.31

CC Regular Session **5. 4.**

Meeting Date: 03/09/2021

By: Katie Schmidt, Administrative Services

Information

Title

Approve the Following Meeting Minutes:

1. City Council Work Session dated 2/23/2021
2. City Council Regular Session dated 2/23/2021

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 2/23/2021
2. City Council Regular Session dated 2/23/2021

Attachments

2-23-2021 CCWS

2-23-2021 Mtg

Form Review

Inbox	Reviewed By	Date
Colleen Lasher	Colleen Lasher	03/02/2021 03:21 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:28 PM
Form Started By: Katie Schmidt		Started On: 03/01/2021 12:42 PM

Final Approval Date: 03/04/2021

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

The Ramsey City Council conducted a City Council Work Session on Tuesday, February 23, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present:	Acting Mayor Chris Riley Councilmember Chelsee Howell Councilmember Debra Musgrove Councilmember Dan Specht Councilmember Matt Woestehoff (attended remotely)
Members Absent:	Mayor Mark Kuzma
Also Present:	City Administrator Kurtis Ulrich (attended remotely) Fire Chief Matt Kohner Police Chief Jeff Katers Civil Engineer IV Leonard Linton (attended remotely) Deputy City Administrator Timothy Gladhill (attended remotely) City Engineer Bruce Westby (attended remotely) Councilmember Elect Ryan Heineman

1. CALL TO ORDER

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

2. TOPICS FOR DISCUSSION

2.01: Discuss LRRWMO 4th Generation Watershed Management Plan

Civil Engineer IV Linton reviewed the staff report.

Councilmember Musgrove commented that the Board received the first draft and believed a second draft had been developed incorporating comments from the City of Andover. She asked if Ramsey staff had any technical changes to bring forward to the LRRWMO for consideration.

Civil Engineer IV Linton did not believe Ramsey staff had additional suggestions. He noted that the LRRWMO Board has been reviewing individual sections at the last several meetings in order to provide comments along the way.

Councilmember Musgrove agreed that the Board has been reviewing and providing comments on individual sections but noted that this is the first review of the entire document. She welcomed any comments on grammatical and/or numbering changes. She believed that this document is thorough in its description of the LRRWMO activities. She stated that the LRRWMO Board has

also worked to update the permitting applications to make the process easier for applicants. She asked if there have been any changes to the permit fees.

Civil Engineer IV Linton stated that would be a budgeting discussion by the LRRWMO Board. He noted that the City of Anoka finance staff tracks that element for the LRRWMO. He noted that a question could be posed at the next Board meeting as to the number of permits that exceed the permit fees.

Councilmember Musgrove asked if the administrative fee remains unchanged.

Civil Engineer IV Linton replied that perhaps the fees have changed slightly and provided additional details on the different fees.

Councilmember Musgrove noted that she has already provided feedback as she began to review the document and welcomed any additional input from the Council.

Acting Mayor Riley stated that he does have a suggestion/comment on one of the tables, noting that the totals are incorrect.

Councilmember Musgrove noted that she also noticed that error and explained that she was told that the totals are not wrong but the numbers in the columns are wrong. She stated that table has been corrected per her comment but noted that she would continue to look for potential errors of that nature. She noted that she is awaiting more information related to how that updated information potentially changes the narrative.

Acting Mayor Riley confirmed that he would be concerned that the information may then not be correct and should be doublechecked. He noted figure 2.1 and commented that it seems unlikely that there would be a smooth increase over each decade.

Civil Engineer IV Linton confirmed that he would follow up on that.

Councilmember Musgrove noted that some of the most recent information was dated as 2016 and stated that she has requested more recent information be used if available. She commented that some changes have been made to the draft per the comments from the City of Andover and herself and noted that she would follow up to determine if the updated version could be distributed to the City Council.

Civil Engineer IV Linton confirmed that the draft attached to the case does incorporate some of the changes. He noted that he will follow up on the additional items noted.

Acting Mayor Riley noted that the Council can continue to review the draft and provide comments to Civil Engineer IV Linton or Councilmember Musgrove.

2.02: Review Draft Ordinance 21-04, Critical Water Deficiency Regulations

City Engineer Westby reviewed the staff report.

Acting Mayor Riley referenced the DNR email which states Ramsey is required to adopt this within six months and asked if that is incorrect.

City Engineer Westby confirmed that is not correct.

Acting Mayor Riley asked if there has been follow up to determine why the email stated the City is required to if it is not required to.

City Engineer Westby replied that the language should have said recommended. He stated that the DNR believes that it is good planning for cities to have this ordinance in place but there is no legal requirement.

Acting Mayor Riley commented that on the City's part it would be good to have a water conservation ordinance in place whether required or not.

City Engineer Westby confirmed that the City does have certain elements within City Code to address that topic.

Councilmember Elect Heineman referenced the statement that cities are required to have appropriate penalties and asked if those would be directed to individual users, such as residents.

City Engineer Westby replied that would apply to residents, businesses, or any municipal water user that violates.

Councilmember Elect Heineman asked if there are any examples of appropriate penalties from other cities.

City Engineer Westby stated that most cities use their standard base administrative fines. He stated that staff could do more research to see what other cities are using for fines.

Councilmember Elect Heineman stated that there has been a lot of attention towards Executive Orders in recent months. He asked what the penalty would be if the Governor issued an Executive Order that the City of Ramsey does not comply with.

City Engineer Westby stated that he does not have knowledge of what that may be.

Councilmember Elect Heineman stated that he would be interested to see what the penalty would be for Ramsey, if the Governor were to place an Executive Order the City deemed too restrictive and chose not to comply.

Councilmember Musgrove stated that there are no parameters that determine or would help the City understand what a water emergency would be. She asked if the State had metrics it would use for the Governor to use as guidance.

City Engineer Westby replied that he is sure the State has metrics it would apply but was unaware of a baseline at which a water emergency would be declared. He commented that it would depend on each event, as each event is different.

Councilmember Musgrove stated that the aquafer that Ramsey uses is used by other communities but not the entire State. She asked how the determination would be made by the State as different regions receive water from different aquafers.

City Engineer Westby replied that it would be a possibility that the emergency would be region specific.

Councilmember Musgrove commented that if there was a City ordinance that guided Ramsey based on the DNR guidelines she would think that would be sufficient for the City to determine whether there is a water shortage.

City Engineer Westby replied that when the Governor issues an Executive Order declaring a water deficiency, that would overrule the City ordinance. He commented that the City can continue to have and follow its own restrictions but if an Executive Order is more restrictive, the City must follow that.

Councilmember Woestehoff commented that he appreciates the comments related to potential overreach. He stated that the aquafer does cover a large portion of the State and an Executive Order can apply to certain regions. He commented that if there were a massive event, such as pollution that could impact many communities that would have to work in unison. He commented that he did not foresee this happening, but it would be good to have a plan in place rather than attempting to develop a plan in the case a deficiency occurs. He stated that he would not want to rely on another community regulating itself in that situation. He commented that no one predicted the pandemic, but yet that occurred.

Councilmember Howell commented that many of her questions were already answered by staff. She stated that if something is going to be done at this time, she would be more interested in creating a good baseline policy where the basic requirements of the email are addressed. She commented that she would favor reducing specifics in ordinance that would be difficult to enforce and instead include those more specific items in a list of recommendations that could be used in the case a situation such as water deficiency arises.

Councilmember Specht stated that he would also like to see the ordinance as minimal as possible in order to meet the DNR requirements. He agreed that recommendations could be developed to reference in the case of an emergency situation.

Acting Mayor Riley commented that he would agree to keep it basic. He noted that he has concern with the Governor creating Executive Orders that the cities are charged to enforce. He stated that there is a smart amount of this the City could work on related to existing regulations the City has to continue to conserve water and protect infrastructure.

Councilmember Musgrove stated that if the City creates an ordinance and the Governor issues an Executive Order, the ordinance would then be null as the City would need to follow the Order. She stated that the City does a great job with water conservation and has a concern that the ordinance would be for none. She agreed if something must be done, it should be to the minimum.

Acting Mayor Riley commented that enforcement would fall to the City as it did during the pandemic and noted that the City chose to use the tool of education rather than penalty.

Councilmember Elect Heineman asked if the City simply has to reference the ordinance it already has and also reference the State Statute.

City Engineer Westby replied that the City has City Code Chapter 58 that addresses water use and lists restrictions within that. He stated that the proposed ordinance would add another section that would address the critical water deficiency regulation and references the State Statute.

Councilmember Elect Heineman stated that he agrees that if there were an actual drought, the City would not want to sit idly. He referenced the earlier mention of the pandemic and noted that what was not predicted in that situation is the overreach of the Governor and the different determinations of which businesses were essential. He noted that the science behind those determinations has not been proven and believed that the City should research how it would impact the City if is chose not to comply.

City Engineer Westby noted that most cities are adopting the model ordinance which references the State Statute. He stated that at the very end of subdivision one, there is a statement that explains that the rules would be adopted if a water deficiency is declared. He stated that if a community set its own parameters it would still need to comply with the rules issued in a deficiency situation.

Councilmember Howell stated that there has been so much abuse of Executive Orders by the Governor and would have difficulty just blindly complying with open ended statements. She stated that she would want baseline compliance if something must be done.

Acting Mayor Riley confirmed the consensus of the Council to direct staff to draft something that meets the bare minimums.

Councilmember Elect Heineman stated that he would want a statement added that states up to the discretion of the Ramsey City Council.

Councilmember Musgrove asked why the City Clerk would be the administrator and not someone from public works staff.

City Engineer Westby stated that the ordinance defines a position to handle certain duties, noting that the City Clerk typically handles rates and charges along with the Finance Director but noted that staff could look at different assignments.

Councilmember Woestehoff commented that most cities in Minnesota are statutory cities rather than charter cities and use a City Clerk. He stated that the ordinance could reference the City

Administrator rather than City Clerk and designation could be made to public work staff at that time if appropriate.

City Administrator Ulrich stated that staff will draft a bare minimum ordinance for the Council to review and continue discussion.

2.03: Overview of Emergency Management Role for Elected Officials

Fire Chief Kohner reviewed the staff report. He noted that while some situations occur more frequently, such as structure fires, the City also completes preparedness training for other events that could happen, such as train derailment.

City Administrator Ulrich noted that in the case a large event occurs, and communications fail, he would recommend the Council report to the Emergency Operations Center (EOC).

Councilmember Musgrove stated that there was a fire on a winter weather day in a neighboring community recently, noting that a local business was used to assist in moving vehicles which is an example of how a local business can provide assistance.

Councilmember Specht asked the roles of the Mayor and Council as defined within Charter or City Ordinance.

Fire Chief Kohner replied that these roles come from the Minnesota Emergency Management Council and are more of recommendations to help guide responsibilities.

City Administrator Ulrich stated that related to COVID, the Mayor issued the Emergency Declaration but that had to be adopted by the Council within three days. He noted that the Mayor would have the authority to take certain actions, but it would need to be ratified by the Council within a set period of time.

2.04: Review City Meeting Security Procedures (Portions of this discussion may be closed to the public)

Police Chief Katers introduced the case and recommended that the Council go into closed session.

Motion by Councilmember Musgrove, seconded by Councilmember Specht, to recess the meeting to Closed Session at 6:45 p.m.

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Howell	aye
Acting Mayor Riley	aye

Motion carried.

The meeting reconvened to Open Session at 7:00 p.m.

3. TOPICS FOR FUTURE DISCUSSION

3.01: Review Future Topics/ Calendar

No comments.

4. MAYOR / COUNCIL / STAFF INPUT

None.

5. ADJOURNMENT

The Work Session of the City Council was adjourned at 7:00 p.m.

Respectfully submitted,

_____
Kurtis G. Ulrich
City Administrator

ATTEST:

_____
Katie M. Schmidt
Deputy City Clerk

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

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

The Ramsey City Council conducted a Closed Session on Tuesday, February 23, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Acting Mayor Chris Riley
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Dan Specht
Councilmember Matt Woestehoff (attended remotely)

Members Absent: Mayor Mark Kuzma

Also Present: City Administrator Kurtis Ulrich (attended remotely)
Police Chief Jeff Katers
Assistant City Administrator Tim Gladhill (attended remotely)
Councilmember Elect Ryan Heineman

1. CALL TO ORDER

Acting Mayor Riley called the Closed Session of the City Council to order at 6:45 p.m.

2. COUNCIL BUSINESS

2.01: Review City Meeting Security Procedures

Police Chief Katers explained that the purpose of the case is for the Council to discuss City meeting security procedures.

3. ADJOURNMENT

Acting Mayor Chris Riley adjourned the Closed Session and Worksession at 7:00 p.m.

Respectfully submitted,

_____
Kurtis G. Ulrich
City Administrator

ATTEST:

_____

Katie M. Schmidt
Deputy City Clerk

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CITY COUNCIL
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a regular meeting on Tuesday, February 23, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present:	Acting Mayor Chris Riley Councilmember Chelsee Howell Councilmember Debra Musgrove Councilmember Dan Specht Councilmember Matt Woestehoff
Members Absent:	Mayor Mark Kuzma
Also Present:	City Administrator Kurtis Ulrich (attended remotely) Police Chief Jeff Katers Deputy City Administrator Timothy Gladhill (attended remotely) Economic Development Manager Sean Sullivan Parks and Assistant Public Works Superintendent Mark Riverblood Councilmember Elect Ryan Heineman

1. CALL TO ORDER

Acting Mayor Riley led the regular meeting of the Ramsey City Council to order at 7:10 p.m., followed by the Pledge of Allegiance led by Acting Mayor Riley.

City Administrator Ulrich read a statement related to the COVID-19 pandemic and local state of emergency. In declaring this Local State of Emergency, the City of Ramsey has determined that in person meetings and meetings conducted under Minnesota Statutes Section 13D.02 are not practical or prudent because of the declared health pandemic emergency.

2. PRESENTATION

2.01: State of the City 2021: Mayor's Address

Acting Mayor Riley noted that this item has been postponed and will occur at the March 9, 2021 meeting.

3. CITIZEN INPUT

None.

4. APPROVE AGENDA

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

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Howell	aye
Acting Mayor Riley	aye

Motion carried.

5. CONSENT AGENDA

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the following items on the Consent Agenda:

5.01: Note the Following Boards, Commissions, and Committee Meeting Minutes:
- Planning Commission Meeting Minutes dated January 7, 2021
- Economic Development Authority Meeting Minutes dated January 14, 2021
- Park and Recreation Commission Meeting Minutes dated January 14, 2021
- Public Works Committee Meeting Minutes dated January 19, 2021

5.02: Approve the following Meeting Minutes:
1) City Council Work Session dated January 26, 2021
2) City Council Regular and Work Session Suggested Revisions dated January 26, 2021
3) City Council Regular dated January 26, 2021
4) City Council Work Session dated February 8, 2021
5) City Council Regular Session dated February 8, 2021
6) City Council Canvassing Board dated February 16, 2021
7) City Council Special Work Session dated February 16, 2021
8) City Council Special Work Session Suggested Revision dated February 16, 2021

5.03: Adopt Resolution #21-053 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of February 4, 2021 through February 17, 2021

5.04: Adopt Resolution #21-031 Approving Final Plat and Development Agreement for Muller 2nd Addition (Project No. 21-101); Case of Jethro Carpenter

5.05: Adopt Resolution #21-041 Approving Final Plat of Becker Rolling Pines Second Addition

5.06: Adopt Resolution #21-043 Approving a Metes and Bounds Subdivision of PID #23-32-25-21-0002 (Project No. 21-100); Case of Shade Tree Communities LLC

5.07: Approve Business Licenses

5.08: Adopt Resolution #21-047 Authorizing Partial Payment #5 to RJM Construction for Improvement Project 20-07 New Public Works Facility
5.09: Adopt Resolution #21-048 Accepting Design Services Proposal for Dolomite Street Demolition, Riverdale Drive to Highway 10, Improvement Project #21-07
5:10: Adopt Resolution #21-051 Authorizing Renewal of Anoka County Regional Economic Development Partnership (ACRED)
5:11: Adopt Resolution #21-052 Approving CBRE Real Estate Listing Agreement for City Owned Land

Further discussion: Councilmember Musgrove noted that she has spoken to staff regarding Item 5.03 and stated that her concern will be reviewed at a later date. City Administrator Ulrich stated that the minutes reflect the revisions as requested by Councilmember Howell and confirmed consensus of the Council.

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Specht	aye
Acting Mayor Riley	aye

Motion carried.

6. PUBLIC HEARING

6.01: Public Hearing: Introduce Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License

Presentation

Economic Development Manager Sullivan reviewed the staff report and recommendation to introduce and adopt the ordinance.

Councilmember Musgrove referenced the amount of insurance and asked if that a customary amount.

Economic Development Manager Sullivan replied that staff researched many neighboring communities and found this to be a standard amount used by those communities.

Acting Mayor Riley noted that this is more of a housekeeping item adding items to an existing ordinance.

Councilmember Howell asked if there are options for those that have received training outside of the United States.

Economic Development Manager Sullivan commented that this ordinance would require accredited training within the United States.

Public Hearing

Acting Mayor Riley called the public hearing to order at 7:16 p.m.

Citizen Input

There was none.

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

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Howell	aye
Acting Mayor Riley	aye

Motion carried.

The public hearing was closed at 7:16 p.m.

Council Business

Motion by Councilmember Riley, seconded by Councilmember Musgrove, to introduce Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License.

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Howell	aye
Acting Mayor Riley	aye

Motion carried.

7. COUNCIL BUSINESS

7.01: Adopt Ordinance #21-08 to Amend City Code Chapter 10, Article III, Sec. 57, 58 and 65 Pertaining to Dog Licensing

Police Chief Katers reviewed the staff report and recommendation to remove Section 10-57 – Individual Dog Licensing, the rewording of Section 10-58 – Tags and the addition of clarifying language in Section 10-63 – Dangerous Dog Registration.

Motion by Councilmember Musgrove, seconded by Councilmember Specht, to Adopt Ordinance #21-08 Vacating the Requirement of Dog Licensing and Requiring Identification Tags, Adding Clarifying Language to Dangerous Dogs Liability Insurance.

Further discussion: Councilmember Musgrove stated that she believed that this came forward following direction from the Council to streamline processes and make things more efficient for staff and the public. She appreciated the efforts of staff.

A roll call vote was performed:

Councilmember Woestehoff aye
Councilmember Specht aye
Councilmember Musgrove aye
Councilmember Howell aye
Acting Mayor Riley aye

Motion carried.

8. MAYOR, COUNCIL AND STAFF INPUT

City Administrator Ulrich announced upcoming meetings and events.

Councilmember Musgrove asked if the License Center would be open by appointment only or available for walk ins.

City Administrator Ulrich believed that it would be appointment only but noted that he could follow up on that.

9. ADJOURNMENT

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

A roll call vote was performed:

Councilmember Woestehoff aye
Councilmember Specht aye
Councilmember Musgrove aye
Councilmember Howell aye
Acting Mayor Riley aye

Motion carried.

The regular meeting of the City Council adjourned at 7:23 p.m.

Respectfully submitted,

_____
Kurtis G. Ulrich
City Administrator

ATTEST:

_____
Katie M. Schmidt
Deputy City Clerk

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

A recording of this meeting is available for viewing online at www.qctv.org <http://www.qctv.org>. Recordings are available for 36 months after the date of the meeting.

CC Regular Session **5. 5.**

Meeting Date: 03/09/2021

Submitted For: Sean Sullivan, Community Development

By: Wendy Schlueter, Community Development

Information

Title

Approve Business Licenses

Purpose/Background:

Purpose:

To obtain City Council approval of various license requests.

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 of background checks.

Action:

Motion to approve the attached business license applications contingent upon completion of background checks.

Attachments

Business License Applications

Form Review

Inbox	Reviewed By	Date
Sean Sullivan	Sean Sullivan	03/01/2021 03:22 PM
Tim Gladhill	Tim Gladhill	03/03/2021 09:44 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:19 AM
Form Started By: Wendy Schlueter		Started On: 02/10/2021 03:34 PM
Final Approval Date: 03/04/2021		

Report Name: License Report - License Types
Council Dates: 3/9/2021 to 3/9/2021
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, Multi-Family Rental, 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						
Brain Freezze Ice Cream	Michelle Remick			12/31/2021	3/9/2021	A
Brito's Tacos El Sombrero	Bonifacio Brito/Margarita Casles	6360 Highway 10 NW		12/31/2021	3/9/2021	A

Transient Merchant/Peddler/Solicitor License Count: 2

Total Licenses: 2

CC Regular Session **5. 6.**

Meeting Date: 03/09/2021

By: Jackie Lipski, Finance

Information

Title

Adopt Resolution #21-059 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of February 18, 2021 through March 3, 2021

Purpose/Background:

Adopt Resolution #21-059 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of February 18, 2021 through March 3, 2021

Recommendation:

Staff Recommends to Adopt Resolution #21-059 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of February 18, 2021 through March 3, 2021.

Action:

Motion to Adopt Resolution #21-059 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of February 18, 2021 through March 3, 2021.

Attachments

Bills List 3/9/2021

Resolution 3/9/2021

Form Review

Inbox	Reviewed By	Date
Diana Lund	Diana Lund	03/04/2021 07:37 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:28 PM
Form Started By: Jackie Lipski		Started On: 03/03/2021 03:31 PM
Final Approval Date: 03/04/2021		

CITY OF RAMSEY - FINANCE OFFICE Printed 3/3/2021

RAMSEY CITY COUNCIL MEETING

3/9/2021

BILLS LIST

DISBURSEMENTS TO BE APPROVED THIS MEETING:

DISBURSEMENT TYPE:	SUBMITTED FOR APPROVAL
Purchase Journal:	
Prepaids 2/18/2021-3/3/2021	1,677,040.74
Accounts Payable 2/18/2021-3/3/2021	270,682.83
Payroll 2/19/2021	208,401.38
Debt Service	2,912.50

TOTAL SUBMITTED FOR APPROVAL THIS MEETING
(Invoices Available for Reviewal) **$ 2,159,037.45**

DISBURSEMENTS PREVIOUSLY APPROVED AND PAID:	APPROVED PREV. MTG	2021 Y.T.D.
NET PAYROLL TOTAL	$ 191,215.17	$ 581,465.08
- CORRECTION TO PAYROLL		
PREPAIDS	268,932.44	1,116,138.06
- PREPAID ADJUSTMENTS		
WIRE TRANSFERS FOR DEBT SERVICE		
- CORRECTION TO D.S.		
ACCOUNTS PAYABLE INVOICING - PREVIOUS MEETING:		
- BILLS LIST SUBMITTED	485,475.38	1,541,244.89
ADD (DELETE) BILLS LIST SUBMITTED PAY ESTIMATE(S)	456,386.50	2,223,859.96
- CHECKS VOIDED	0.00	0.00
TOTAL CASH DISBURSEMENTS PREVIOUSLY APPROVED	**$ 1,402,009.49**	**$ 5,462,707.99**

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
112065	**2/18/2021**		**100050 ANOKA HENNEPIN ISD 11**						
		1,466,250.00	REFUND ESCROW 116325		105965	116325	9804.6433	00116325	REFUNDS
		1,466,250.00							
112066	**2/18/2021**		**118384 COLE, BRYAN**						
		75.90	REFUND ESCROW 116079		105966	116079	9804.6433	00116079	REFUNDS
		75.90							
112067	**2/18/2021**		**115570 DAVIS, WAYNE**						
		1,610.07	REFUND ESCROW 114066		105967	114066	9804.6433	00114066	REFUNDS
		1,610.07							
112068	**2/18/2021**		**110568 GREEN VALLEY GREENHOUSE**						
		317.86	REFUND ESCROW 114844		105969	114844	9804.6433	00114844	REFUNDS
		317.86							
112069	**2/18/2021**		**100209 HAKANSON ANDERSON ASSOC INC**						
		310.24	REFUND ESCROW 117011		105970	117011	9804.6433	00117011	REFUNDS
		310.24							
112070	**2/18/2021**		**114105 HARTFORD LIFE AND ACCIDENT INS CO**						
		1,313.42	RENEWAL 2021		105980	14113735 -2021	0220.6132		DISABILITY INSURANCE
		1,313.42							
112071	**2/18/2021**		**107556 KNOLL PROPERTIES**						
		1,699.51	REFUND ESCROW 115213		105972	115213	9804.6433	00115213	REFUNDS
		1,699.51							
112072	**2/18/2021**		**118385 PAXMAR LLC**						
		726.12	REFUND ESCROW 115992		105975	115992	9804.6433	00115992	REFUNDS
		726.12							
112073	**2/18/2021**		**113983 RAMSEY ARBOR PROPERTIES**						
		508.10	REFUND ESCROW 114934		105976	114934	9804.6433	00114934	REFUNDS
		508.10							
112074	**2/18/2021**		**100443 SHARP AND ASSOCIATES**						
		592.25	REFUND ESCROW 116216		105977	116216	9804.6433	00116216	REFUNDS
		592.25							
112075	**2/18/2021**		**106601 STONE CONSTRUCTION INC**						
		414.15	REFUND ESCROW 116452		105978	116452	9804.6433	00116452	REFUNDS
		414.15							
112076	**2/18/2021**		**118387 THE STATION TOWNHOME ASSOCIATION**						
		100.00	REF DAMAGE DEP 7/2018		105979	021821	9804.1160		KEY & DAMAGE DEPOSIT
		100.00							
112312	**2/25/2021**		**100297 CENTERPOINT ENERGY**						
		539.61	15050 ARMSTRONG BLVD NW		105996	5914352-9 JAN 21	0220.6373		GAS
		777.40	5650 ALPINE DR NW		105997	5961540-1 JAN 21	0220.6373		GAS
		427.68	6701 HIGHWAY 10 NW		105998	6011580-5 JAN 21	9410.6373	00041012	GAS
		4,190.36	7550 SUNWOOD DR NW		105999	6702493-5 JAN	0194.6373		GAS

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
112312	2/25/2021		100297 CENTERPOINT ENERGY						Continued
		136.38	14515 E TOWN CENTER DR		106000	8782239-1 JAN 21	9601.6373		GAS
		6,071.43							
112313	2/25/2021		106583 DELTA DENTAL PLAN OF MINNESOTA						
		3,687.80	DENTAL INS FEB 21		106001	RIS0003344194	9101.2170		DENTAL/DISABILITY/LIFE
		3,687.80							
112314	2/25/2021		100268 LRRWMO CITY OF ANOKA						
		680.00	RE: PERMIT COR INFILTR BASIN		106002	470	9605.1730	00201809	IMPROVEMENTS OTHER
		680.00							
112315	2/25/2021		117184 NELSON SANITATION AND RENTAL INC						
		5,516.68	TELEVISE SEWER/STORM LINES		106003	B-64639	9402.6530	00202100	IMPROVEMENTS OTHER
		10,643.18	TELEVISE SEWER/STORM LINES		106004	B-64640	9435.6530	00202103	IMPROVEMENTS OTHER
		16,159.86							
112316	2/25/2021		112959 PREMIUM WATERS INC						
		26.64	FIRE DEPT- BOTTLED WATER		106005	317975293	0220.6489		OTHER CONTRACTED SI
		86.94	FIRE DEPT- BOTTLED WATER		106006	317940858	0220.6489		OTHER CONTRACTED SI
		113.58							
112317	2/25/2021		115972 ROBINSON, SCOTT						
		1,555.50	MAR/APR 21 RAMSEY RESIDENT ADS		106007	022421	9101.4609		OTHER MISCELLANEOUS
		1,555.50							
112318	2/25/2021		118394 SINTON, KELLY						
		200.00	WATER EFF GRANT PROGRAM		106008	022321	9601.6436		WATER EFFICIENCY REB
		200.00							
112319	2/25/2021		114151 TASC (FEES)						
		370.50	JAN 2021 FEES		106009	IN1967993	0130.6315		MISCELLANEOUS PROFE
		370.50							
1002239	2/19/2021		109254 DUBE, JERRY						
		125.05	REIMB PLUMBING PARTS		105968	021821	9601.6249		MISCELLANEOUS OPER/
		125.05							
1002240	2/19/2021		114432 HESSE, BRADLEY						
		53.04	REIMB TRAINING MEALS		105971	021821	0211.6331		TRAVEL & LODGING
		53.04							
1002241	2/19/2021		100291 MET COUNCIL SAC						
		14,910.00	JAN 2021 SAC CHARGES		105973	021221	9602.2083		SAC CHARGES
		149.10-	JAN 2021 SAC CHARGES		105973	021221	9602.4356		SEWER AVAILABILITY CH
		14,760.90							
1002242	2/19/2021		107244 NORTHLAND TRUST SERVICES INC						
		2,912.50	BONDS 2013A		105974	011121	9348.6611		BOND INTEREST
		2,912.50							
1002243	2/23/2021		100257 LAW ENFORCEMENT LABOR SRV INC						
		825.50			105629	0204211010322	9101.2177		UNION DUES
		825.50			105987	0218211248222	9101.2177		UNION DUES

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
1002243	2/23/2021		100257 LAW ENFORCEMENT LABOR SRV INC						Continued
		1,651.00							
1002244	2/23/2021		100298 MN AFSCME COUNCIL 5						
		551.04			105630	0204211010323	9101.2177		UNION DUES
		550.83			105988	0218211248223	9101.2177		UNION DUES
		1,101.87							
1002279	2/26/2021		116114 AVESIS THIRD PARTY ADMINISTRATORS						
		181.99	VISON INS MARCH 21		105995	2631361	9101.2170		DENTAL/DISABILITY/LIFE
		181.99							
1002280	2/26/2021		100510 VERIZON WIRELESS						
		1,216.76	PD JAN/FEB 21 SERVICE		106010	9872443406	0211.6323		CELLULAR PHONES
		463.17	PD JAN/FEB 21 SERVICE		106010	9872443406	0211.6415		OTHER EQUIPMENT REN
		93.00	PD JAN/FEB 21 SERVICE		106010	9872443406	0280.6323		CELLULAR PHONES
		75.62	JAN/FEB 2021 SERVICE		106011	9872994092	0130.6323		CELLULAR PHONES
		69.50	JAN/FEB 2021 SERVICE		106011	9872994092	0192.6321		TELEPHONE
		212.50	JAN/FEB 2021 SERVICE		106011	9872994092	0191.6323		CELLULAR PHONES
		114.67	JAN/FEB 2021 SERVICE		106011	9872994092	0194.6323		CELLULAR PHONES
		1,003.53	JAN/FEB 2021 SERVICE		106011	9872994092	0220.6323		CELLULAR PHONES
		86.53	JAN/FEB 2021 SERVICE		106011	9872994092	0240.6323		CELLULAR PHONES
		211.01	JAN/FEB 2021 SERVICE		106011	9872994092	0301.6323		CELLULAR PHONES
		241.35	JAN/FEB 2021 SERVICE		106011	9872994092	0311.6323		CELLULAR PHONES
		255.06	JAN/FEB 2021 SERVICE		106011	9872994092	0452.6323		CELLULAR PHONES
		326.34	JAN/FEB 2021 SERVICE		106011	9872994092	9601.6323		CELLULAR PHONES
		4,369.04							
90593441	2/19/2021		100398 PUBLIC EMPLOYEES RETIREMENT ASSN						
		108.33			105959	0217211014591	9101.2174		PERA-EMPLOYEE
		108.33			105960	0217211014592	9101.2183		PERA-EMPLOYER
		23,963.10			105989	0218211248224	9101.2174		PERA-EMPLOYEE
		32,195.36			105990	0218211248225	9101.2183		PERA-EMPLOYER
		56,375.12							
90757732	2/19/2021		101306 IRS						
		346.78			105833	0216211415152	9101.2171		FEDERAL WITHHOLDING
		1,820.81			105834	0216211415153	9101.2173		FICA & MEDICARE-EMPL
		1,820.81			105835	0216211415154	9101.2182		FICA & MEDICARE-EMPL
		375.00			105962	0217211014594	9101.2171		FEDERAL WITHHOLDING
		276.69			105963	0217211014595	9101.2173		FICA & MEDICARE-EMPL
		276.69			105964	0217211014596	9101.2182		FICA & MEDICARE-EMPL
		25,647.51			105992	0218211248227	9101.2171		FEDERAL WITHHOLDING
		14,301.83			105993	0218211248228	9101.2173		FICA & MEDICARE-EMPL
		14,301.83			105994	0218211248229	9101.2182		FICA & MEDICARE-EMPL
		59,167.95							
94977568	2/19/2021		100601 MN DEPT OF REV WH						
		356.17			105832	0216211415151	9101.2172		STATE WITHHOLDING
		50.00			105961	0217211014593	9101.2172		STATE WITHHOLDING
		11,669.26			105991	0218211248226	9101.2172		STATE WITHHOLDING
		12,075.43							
98021921	2/19/2021		115568 ALERUS FINANCIAL NA						
		4,172.37			105986	02182112482214	9101.2176		LIFE/HEALTH-EMPLOYEE
		4,172.37							

Check #	Date	Amount	Supplier / Explanation	PO #	Doc No	Inv No	Account No	Subledger	Account Description
98021921	**2/19/2021**		**115568 ALERUS FINANCIAL NA**						**Continued**
99022921	**2/19/2021**		**107962 TOTAL ADMINISTRATIVE SERVICE CORP**						
		1,756.10			105982	02182112482210	9101.2176		LIFE/HEALTH-EMPLOYEE
		1,756.10							
99366459	**2/19/2021**		**114790 GREAT WEST LIFE AND ANNUITY INS CO**						
		9,874.18			105984	02182112482212	9101.2175		DEFERRED COMPENSAT
		9,874.18							
99367949	**2/19/2021**		**114790 GREAT WEST LIFE AND ANNUITY INS CO**						
		3,798.57			105985	02182112482213	9101.2176		LIFE/HEALTH-EMPLOYEE
		3,798.57							
99490839	**2/19/2021**		**100223 ICMA RETIREMENT TRUST 457**						
		1,920.85			105981	0218211248221	9101.2175		DEFERRED COMPENSAT
		1,920.85							
99724221	**2/19/2021**		**114486 SUN LIFE ASSURANCE COMPANY OF CANADA**						
		975.79			105625	02042110103211	9101.2176		LIFE/HEALTH-EMPLOYEE
		975.31			105983	02182112482211	9101.2176		LIFE/HEALTH-EMPLOYEE
		949.89	LTD Prem		105983	02182112482211	9101.2170		DENTAL/DISABILITY/LIFE
		2,900.99							
		1,679,953.24	Grand Total						

Payment Instrument Totals

Checks	1,502,756.29
EFT Payments	152,041.56
A/P ACH Payment	25,155.39
Total Payments	1,679,953.24

Payment Group Control Number	3176		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2021		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
100021	AMERICAN PUBLIC WORKS ASSN	G. RIEMER DUES 21-22	PV	106013	001	09101	2/2/2021	144363- 21-22	268.75
	AMERICAN PUBLIC WORKS ASSN P O BOX 802296 KANSAS CITY MO 64180-2296							Summary Total	268.75
								Payment Amount	268.75
100063	ASPEN MILLS	J. SUFKA- CARGO PANTS	PV	106015	001	09101	2/19/2021	269557	56.95
	ASPEN MILLS 8201 C CENTRAL AVE NE SPRING LAKE PARK MN 55432							Summary Total	56.95
		J. BONINE- BOOTS	PV	106016	001	09101	2/17/2021	269473	159.95
								Summary Total	159.95
		R. PULLAR- VEST CARRIER	PV	106017	001	09101	2/15/2021	269333	38.50
								Summary Total	38.50
								Payment Amount	255.40
116015	AXON ENTERPRISE INC	CARTRIDGES	PV	106018	001	09101	2/15/2021	SI-1717619	1,802.50
	AXON ENTERPRISE INC 17800 NORTH 85TH STREET SCOTTSDALE AZ 85255							Summary Total	1,802.50
								Payment Amount	1,802.50
108513	BLAINE LOCK AND SAFE INC	SERVICE/INSTALL LOCKS PD	PV	106020	001	09101	2/15/2021	25092	539.45
	BLAINE LOCK AND SAFE INC 10136 SUNSET AVENUE BLAINE MN 55014							Summary Total	539.45
								Payment Amount	539.45
116439	CANTEEN VENDING	COFFEE	PV	106021	001	09101	1/29/2021	MSP22298	144.48
	CANTEEN VENDING P O BOX 91337 CHICAGO IL 60693-1337							Summary Total	144.48
								Payment Amount	144.48
100116	CONNEXUS ENERGY	STREET LIGHTS	PV	106089	001	09603	2/22/2021	759126-303101 FEB 21	10,224.48
	CONNEXUS ENERGY							Summary Total	10,224.48

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CITY OF RAMSEY

Create Payment Control Groups

Payment Group Control Number	3176		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	Check Payment		
Pay Through Date	12/31/2021		

Payee Number	Payee Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	PO BOX 1808	MISC CITY ACCTS	PV	106113	001	09230	2/22/2021	759126-303107 FEB 21	74.37
	MINNEAPOLIS MN 55480-1808	MISC CITY ACCTS	PV	106113	002	09230	2/22/2021	759126-303107 FEB 21	2,045.30
		MISC CITY ACCTS	PV	106113	003	09230	2/22/2021	759126-303107 FEB 21	28.78
		MISC CITY ACCTS	PV	106113	004	09230	2/22/2021	759126-303107 FEB 21	667.62
		MISC CITY ACCTS	PV	106113	005	09230	2/22/2021	759126-303107 FEB 21	5,411.84
		MISC CITY ACCTS	PV	106113	006	09230	2/22/2021	759126-303107 FEB 21	5,841.90
		MISC CITY ACCTS	PV	106113	007	09230	2/22/2021	759126-303107 FEB 21	224.08
				Summary Total					14,293.89
		WTR TRW/LIFT STATIONS/WELLS	PV	106114	001	09601	2/22/2021	759126-303102 FEB 21	8,927.27
		WTR TRW/LIFT STATIONS/WELLS	PV	106114	002	09601	2/22/2021	759126-303102 FEB 21	1,320.82
				Summary Total					10,248.09
		SIRENS	PV	106115	001	09101	2/22/2021	759126-303095 FEB 21	85.00
				Summary Total					85.00
				Payment Amount					34,851.46
112272	CUSTOM REMODELERS INC	REF PEDDLER FEES-DENIED	PV	106090	001	09101	2/24/2021	022421	300.00
	CUSTOM REMODELERS INC 474 APOLLO DRIVE LINO LAKES MN 55014			Summary Total					300.00
				Payment Amount					300.00
106065	DIVERSIFIED TEXTURING AND ENGRAVING	ENGRAVED LOCKER TAGS	PV	106116	001	09101	2/22/2021	1203	43.00
	DIVERSIFIED TEXTURING AND ENGRAVING 1609 99TH LANE NE BLAINE MN 55449-4430			Summary Total					43.00
				Payment Amount					43.00
106624	EHLERS AND ASSOCIATES, INC	GENERAL TIF CONSULTING	PV	106028	001	09214	2/9/2021	86184	202.50
	EHLERS & ASSOCIATES, INC	GENERAL TIF CONSULTING	PV	106028	002	09214	2/9/2021	86184	67.50

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number 3176
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JLIPSKI
Payment Instrument Check Payment
Pay Through Date 12/31/2021

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	3060 CENTRE POINTE DRIVE	GENERAL TIF CONSULTING	PV	106028	003	09214	2/9/2021	86184	67.50
	ROSEVILLE MN 55113-1105			Summary Total					337.50
				Payment Amount					337.50
100169	EMERGENCY APPARATUS MAINTENANCE INC	REPAIR ON 500	PV	106119	001	09101	2/23/2021	116407	323.46
	EMERGENCY APPARATUS MAINTENANCE INC 7512 4TH AVENUE LINO LAKES MN 55014			Summary Total					323.46
				Payment Amount					323.46
100143	FERGUSON WATERWORKS # 2516	WATER METERS (100)	PV	106030	001	09601	2/4/2021	0468848	24,310.00
	FERGUSON WATERWORKS 2516			Summary Total					24,310.00
	P O BOX 802817	METER SUPPLIES	PV	106120	001	09601	2/25/2021	0469630	752.18
	CHICAGO IL 60680-2817			Summary Total					752.18
		METER SUPPLIES	PV	106121	001	09601	2/22/2021	0469280	1,588.11
				Summary Total					1,588.11
				Payment Amount					26,650.29
115760	HENRY SCHEIN INC	MISC SUPPLIES	PV	106036	001	09101	2/11/2021	89802643	13.19
	HENRY SCHEIN INC			Summary Total					13.19
	DEPT CH 10241	SUCTION DEVICE	PV	106037	001	09101	2/4/2021	89429962	62.46
	PALATINE IL 60055-0241			Summary Total					62.46
		NITRILE GLOVES	PV	106038	001	09101	2/10/2021	89826409	130.50
				Summary Total					130.50
		TOURNIQUETS	PV	106069	001	09101	2/15/2021	89974146	311.88
				Summary Total					311.88
				Payment Amount					518.03
100256	LANO EQUIPMENT INC	FIRE- SAW TUNE UP	PV	106039	001	09101	2/18/2021	02-813634	125.17
	LANO EQUIPMENT INC			Summary Total					125.17
	6140 HIGHWAY 10 NW	SWITCH/HARNESS/STROBE	PV	106071	001	09101	2/10/2021	02-812433	283.26
	ANOKA MN 55303			Summary Total					283.26
		BRAKE STRAP/MIRROR	PV	106072	001	09101	2/23/2021	02-814214	74.58
				Summary Total					74.58
		2021 KUBOTA SSL	PV	106101	001	09101	2/24/2021	02-814699	36,105.06

Payment Group Control Number	3176		
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Version	LOGIS004V		
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Payment Instrument	Check Payment		
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
				Summary Total					36,105.06
				Payment Amount					36,588.07
100270	MACQUEEN EQUIPMENT INC	HEADLIGHT	PV	106073	001	09101	2/12/2021	P32555	299.83
	MACQUEEN EQUIPMENT INC			Summary Total					299.83
	1125 7TH STREET EAST	LED HEADLIGHT-RETURN	PD	106102	001	09101	2/25/2021	P32867	299.83-
	ST PAUL MN 55106			Summary Total					299.83-
		HEADLIGHT	PV	106103	001	09101	2/22/2021	P32749	136.11
				Summary Total					136.11
				Payment Amount					136.11
108208	METRO PRODUCTS INC	PRIMER	PV	106074	001	09101	2/17/2021	157470	53.94
	METRO PRODUCTS INC			Summary Total					53.94
	7401 CENTRAL AVENUE NE	MISC PARTS	PV	106104	001	09101	2/25/2021	157605	81.52
	FRIDLEY MN 55432			Summary Total					81.52
				Payment Amount					135.46
118388	MITCHELL 1	SUB REPAIR CONNECT PLUS	PV	106075	001	09101	2/5/2021	25552398	960.00
	MITCHELL 1			Summary Total					960.00
	25029 NETWORK PLACE								
	CHICAGO IL 60673-1250								
				Payment Amount					960.00
100345	NAPA AUTO PARTS ELK RIVER	MISC PD SUPPLIES	PV	106045	001	09101	2/18/2021	099943	32.94
	NAPA AUTO PARTS ELK RIVER			Summary Total					32.94
	17137 YALE STREET NW	INSULATOR	PV	106077	001	09101	2/22/2021	100434	7.29
	P O BOX 1041			Summary Total					7.29
	ELK RIVER MN 55330	MISC FILTERS 669	PV	106106	001	09101	2/26/2021	101038	174.06
				Summary Total					174.06
				Payment Amount					214.29
100360	NORTH STAR TOWING INC	2 TOW TICKETS/CREDIT	PV	106078	001	09101	2/1/2021	75597/75598	105.00
	NORTH STAR TOWING INC			Summary Total					105.00
	833 NORTH STREET								

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Payment Instrument	Check Payment		
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	ANOKA MN 55303								
				Payment Amount					105.00
116472	OSI ENVIRONMENTAL INC	CLAY BASED- DISPOSAL	PV	106080	001	09101	1/31/2021	2090029	370.00
	OSI ENVIRONMENTAL INC 1000 LUND BLVD ANOKA MN 55303			Summary Total					370.00
				Payment Amount					370.00
111368	POLLARDWATER	HYDRANT PAINT	PV	106127	001	09601	2/11/2021	0185144	162.23
	POLLARDWATER P O BOX 417592 BOSTON MA 02241-7592			Summary Total					162.23
				Payment Amount					162.23
100391	POSTMASTER	PERMIT 131 MARKETING MAIL	PV	106108	001	09101	2/20/2021	022021	245.00
	POSTMASTER 2168 - 7TH AVENUE NORTH ANOKA MN 55303			Summary Total					245.00
				Payment Amount					245.00
117595	QUADIENT INC	MAR-JUN 21 METER RENTAL	PV	106109	001	09101	2/18/2021	58256563	108.90
	QUADIENT INC P O BOX 123689 DEPT 3689 DALLAS TX 75312-3689			Summary Total					108.90
				Payment Amount					108.90
107711	SCHINDLER ELEVATOR	QTR MARCH-MAY 2021 RAMP	PV	106083	001	09240	3/1/2021	8105565501	1,477.74
	SCHINDLER ELEVATOR P O BOX 93050 CHICAGO IL 60673-3050			Summary Total					1,477.74
				Payment Amount					1,477.74
117283	SENTINEL MN LLC	PD SUPPLIES	PV	106049	001	09101	2/16/2021	INV-0105	8,445.00
	SENTINEL MN LLC			Summary Total					8,445.00

CITY OF RAMSEY
Create Payment Control Groups

Payment Group Control Number	3176		
Bank Account	999.1010	CASH IN BANK	00002224
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Payment Instrument	Check Payment		
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	4950 EAGLE RIDGE ROAD LORETTO MN 55357								
				Payment Amount					8,445.00
100529	WENDELL'S INC	BADGE/SIGN R. HEINEMAN	PV	106084	001	09101	2/16/2021	2538402	11.68
	WENDELL'S INC 6601 BUNKER LAKE BLVD PO BOX 458 RAMSEY MN 55303-0458								
				Summary Total					11.68
				Payment Amount					11.68
113539	WINSUPPLY TWIN CITIES MN CO.	MISC PARTS	PV	106052	001	09601	2/12/2021	136407 01	7.70
	WINSUPPLY TWIN CITIES MN CO.	MISC PARTS	PV	106052	002	09601	3/9/2021	136407 01	.15-
	13930 RADIUM STREET NW RAMSEY MN 55303								
				Summary Total					7.55
				Payment Amount					7.55
				Total Amount to be Processed					115,001.35
				Total Number of Payments to be Processed					26

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Payment Group Control Number	3177		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
107867	ABM EQUIPMENT AND SUPPLY	MISC HOSE	PV	106053	001	09602	2/5/2021	0166358	1,274.52
	ABM EQUIPMENT AND SUPPLY 333 2ND STREET NE HOPKINS MN 55343			Summary Total					1,274.52
				Payment Amount					1,274.52
111385	ACHIEVE SERVICES INC	SHREDDING 12/29/2020	PV	106111	001	09101	2/19/2021	26017	69.00
	ACHIEVE SERVICES INC 1201 89TH AVENUE NE BLAINE MN 55434			Summary Total					69.00
				Payment Amount					69.00
110402	ADVANCE AUTO PARTS	JAN 21 PURCHASES	PV	106054	001	09101	1/31/2021	013121	322.73
	ADVANCE AUTO PARTS	JAN 21 PURCHASES	PV	106054	002	09101	1/31/2021	013121	6.37
	AAP FINANCIAL SERVICES	JAN 21 PURCHASES	PV	106054	003	09101	1/31/2021	013121	77.00
	P O BOX 742063 ATLANTA GA 30374-2063			Summary Total					406.10
				Payment Amount					406.10
110744	ALLINA HEALTH SYSTEM	1ST QTR 21 EDUCATION	PV	106012	001	09101	1/31/2021	CI00000245	1,982.02
	ALLINA HEALTH SYSTEM MISC BILLING NW 7710 P O BOX 9383 MINNEAPOLIS MN 55440-9383			Summary Total					1,982.02
				Payment Amount					1,982.02
106641	AMERICAN PRESSURE INC	STEEL BUSHING	PV	106055	001	09101	2/25/2021	119296	5.40
	AMERICAN PRESSURE INC			Summary Total					5.40
	3810 W BROADWAY ROBBINSDALE MN 55422	GORILLA WASH	PV	106085	001	09101	2/26/2021	119322	109.86
		GORILLA WASH	PV	106085	002	09101	2/26/2021	119322	109.86
		GORILLA WASH	PV	106085	003	09101	2/26/2021	119322	109.86
		GORILLA WASH	PV	106085	004	09101	2/26/2021	119322	109.87
				Summary Total					439.45
		BALL STOP	PV	106086	001	09101	2/1/2021	118810	53.48
				Summary Total					53.48
				Payment Amount					498.33
100043	ANOKA COUNTY PROPERTY	FILINGS	PV	106087	001	09804	1/31/2021	JAN 2021	46.00

CITY OF RAMSEY
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Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	RECORDS TAXATION	21-2302/21-6558							
	ANOKA COUNTY PROPERTY RECORDS TAXATION	FILINGS 21-2302/21-6558	PV	106087	002	09804	1/31/2021	JAN 2021	46.00
	2100 - 3RD AVENUE				Summary Total				92.00
	ANOKA MN 55303				Payment Amount				92.00
107587	ANOKA COUNTY TREASURY DEPARTMENT	CHANNEL SELECT KNOB	PV	106014	001	09101	2/17/2021	AR017458	4.72
	ANOKA COUNTY TREASURY DEPARTMENT				Summary Total				4.72
	2100 THIRD AVENUE	MAR 21 CAC FIBER	PV	106056	001	09101	2/17/2021	B210216M	492.00
	ANOKA MN 55303				Summary Total				492.00
		USED OIL LICENSE FEE	PV	106057	001	09101	2/8/2021	ES-00006921	100.00
					Summary Total				100.00
					Payment Amount				596.72
116848	BAYCOM INC	RECHARGEABLE BATTERY	PV	106019	001	09101	2/16/2021	EQUIPINV 031315	164.00
	BAYCOM INC				Summary Total				164.00
	N16 W23217 STONE RIDGE DRIVE # 250								
	WAUKESHA WI 53188				Payment Amount				164.00
103641	BOYER TRUCKS ROGERS	WORK ON 672	PV	106058	001	09101	2/19/2021	485870	582.60
	BOYER TRUCKS	WORK ON 672	PV	106058	002	09101	2/19/2021	485870	197.39
	P O BOX 18338				Summary Total				779.99
	MINNEAPOLIS MN 55418	WORK ON 672	PV	106059	001	09101	2/10/2021	485809	764.98
					Summary Total				764.98
		KNOB FOR 644	PV	106060	001	09101	2/18/2021	91589R	6.95
					Summary Total				6.95
					Payment Amount				1,551.92
112019	CENTRAL HYDRAULICS INC	PIPE/SWIVELS	PV	106061	001	09101	2/4/2021	68612	58.00
	CENTRAL HYDRAULICS INC				Summary Total				58.00
	21877 INDUSTRIAL COURT	DUST CAPS	PV	106062	001	09101	2/10/2021	68709	11.28
	ROGERS MN 55374				Summary Total				11.28
					Payment Amount				69.28

CITY OF RAMSEY
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Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Payee Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
114549	CHETS SHOES INC	T. NELSON BOOTS	PV	106022	001	09101	1/31/2021	50428	150.00
	CHETS SHOES INC 8870 RENDOVA STREET NE CIRCLE PINES MN 55014				Summary Total				150.00
					Payment Amount				150.00
116197	CINTAS CORPORATION	FIRE DEPTS- MATS	PV	106023	001	09101	2/10/2021	4075526273	16.56
	CINTAS CORPORATION				Summary Total				16.56
	CINTAS LOC #4K	UNIFORM CLEANING	PV	106063	001	09101	2/10/2021	4075526403	16.50
	P O BOX 650838	UNIFORM CLEANING	PV	106063	002	09101	2/10/2021	4075526403	5.00
	DALLAS TX 75265-0838	UNIFORM CLEANING	PV	106063	003	09101	2/10/2021	4075526403	14.11
		UNIFORM CLEANING	PV	106063	004	09101	2/10/2021	4075526403	14.11
					Summary Total				49.72
		UNIFORM CLEANING	PV	106064	001	09101	2/17/2021	4076183720	16.50
		UNIFORM CLEANING	PV	106064	002	09101	2/17/2021	4076183720	5.00
		UNIFORM CLEANING	PV	106064	003	09101	2/17/2021	4076183720	18.77
		UNIFORM CLEANING	PV	106064	004	09101	2/17/2021	4076183720	18.77
					Summary Total				59.04
		UNIFORM CLEANING	PV	106088	001	09101	2/24/2021	4076812059	16.50
		UNIFORM CLEANING	PV	106088	002	09101	2/24/2021	4076812059	5.00
		UNIFORM CLEANING	PV	106088	003	09101	2/24/2021	4076812059	17.11
		UNIFORM CLEANING	PV	106088	004	09101	2/24/2021	4076812059	17.11
					Summary Total				55.72
		FIRE STATIONS- MATS	PV	106112	001	09101	2/25/2021	4076961222	13.20
					Summary Total				13.20
					Payment Amount				194.24
100144	DEHN OIL COMPANY	DIESEL FUEL	PV	106065	001	09101	2/18/2021	80448	634.28
	DEHN OIL COMPANY				Summary Total				634.28
	6735 141ST AVENUE NW	DIESEL FUEL	PV	106066	001	09101	2/17/2021	80445	1,550.14
	RAMSEY MN 55303				Summary Total				1,550.14
					Payment Amount				2,184.42
101185	DO ALL PRINTING COM INC	BUSINESS CARDS- HEINEMAN	PV	106067	001	09101	2/23/2021	50580	37.00
	DO ALL PRINTING COM INC 6360 HIGHWAY 10 NW RAMSEY MN 55303				Summary Total				37.00
					Payment Amount				37.00

Payment Group Control Number 3177
Bank Account 999.1010 CASH IN BANK 00002224
Version LOGIS004V
Originator JLIPSKI
Payment Instrument T A/P ACH Payment
Pay Through Date 12/31/2021

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
116175	ECKBERG LAMMERS ATTORNEYS AT LAW	FEB 2021 SERVICES	PV	106117	001	09101	2/28/2021	022021	6,116.29
	ECKBERG LAMMERS ATTORNEYS AT LAW 1809 NORTHWESTERN AVENUE STILLWATER MN 55082						Summary Total		6,116.29
							Payment Amount		6,116.29
100158	ECM PUBLISHERS INC	AD 7 MTH PARKS PW	PV	106025	001	09101	2/7/2021	819078	201.50
	ECM PUBLISHERS INC 4095 COON RAPIDS BLVD COON RAPIDS MN 55433						Summary Total		201.50
		ORD 21-05	PV	106026	001	09101	2/12/2021	819918	48.38
							Summary Total		48.38
		AD BUILDING INSPECTOR	PV	106027	001	09101	2/7/2021	819079	195.50
							Summary Total		195.50
		PH CITY CODE 26-852	PV	106068	001	09101	2/12/2021	819919	69.88
							Summary Total		69.88
		PH RIVERSTONE SOUTH	PV	106091	001	09804	2/19/2021	820938	86.00
							Summary Total		86.00
		PH PROJ 20-140	PV	106092	001	09804	2/19/2021	820937	75.25
							Summary Total		75.25
		PH TROTT BROOK 21-103	PV	106093	001	09804	2/19/2021	820936	220.38
							Summary Total		220.38
		PH PROJ 21-105	PV	106094	001	09804	2/19/2021	820935	75.25
							Summary Total		75.25
		PH PROJ 21-103	PV	106095	001	09804	2/19/2021	820934	75.25
							Summary Total		75.25
							Payment Amount		1,047.39
114680	ELECTRICAL PRODUCTION SERVICES INC	INSTALLED RECEPTACLE	PV	106118	001	09234	2/24/2021	6658	491.01
	ELECTRICAL PRODUCTION SERVICES INC 2431 GALPIN COURT SUITE 140 CHANHASSEN MN 55317						Summary Total		491.01
							Payment Amount		491.01
108737	EMERGENCY AUTOMOTIVE TECHNOLOGY INC	WORK ON 392	PV	106029	001	09702	2/14/2021	DL021121-20	758.06

Payment Group Control Number	3177		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	EMERGENCY AUTOMOTIVE TECHNOLOGY INC			Summary Total					758.06
	2755 GENEVA AVE N								
	OAKDALE MN 55128								
				Payment Amount					758.06
113321	FACTORY MOTOR PARTS CO	AIR FILTER	PV	106096	001	09101	2/26/2021	6-1584467	7.99
	FACTORY MOTOR PARTS CO			Summary Total					7.99
	BIN 139107								
	P O BOX 9107								
	MINNEAPOLIS MN 55480-9107								
				Payment Amount					7.99
107737	FINANCE AND COMMERCE INC	AD 2021 CRACK SEAL PROJECT	PV	106031	001	09101	2/5/2021	744960013	168.69
	FINANCE AND COMMERCE INC			Summary Total					168.69
	SDS 12-2619								
	P O BOX 86								
	MINNEAPOLIS MN 55486-2619								
				Payment Amount					168.69
100200	GOPHER STATE ONE CALL INC	FEB 21 62 TICKETS	PV	106122	001	09601	2/28/2021	1020690	27.90
	GOPHER STATE ONE CALL	FEB 21 62 TICKETS	PV	106122	002	09601	2/28/2021	1020690	27.90
	7223 PARKWAY DRIVE	FEB 21 62 TICKETS	PV	106122	003	09601	2/28/2021	1020690	27.90
	SUITE 210								
	HANOVER MD 21076-1317			Summary Total					83.70
				Payment Amount					83.70
100204	GRAFIX SHOPPE	WORK ON 559	PV	106032	001	09101	2/9/2021	137581	1,265.00
	GRAFIX SHOPPE			Summary Total					1,265.00
	3240 MIKE COLLINS DRIVE								
	EAGAN MN 55121								
				Payment Amount					1,265.00
100650	GRAINGER	V BELT AND CFL BALLAST	PV	106033	001	09101	2/19/2021	9811905455	281.25
	GRAINGER INC			Summary Total					281.25
	DEPT. 806511127	SHOE COVERS	PV	106034	001	09601	2/16/2021	9808463013	138.95
	PALATINE IL 60038-0001			Summary Total					138.95

Payment Group Control Number	3177		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Payee Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
		BATTERY PACK	PV	106097	001	09101	2/24/2021	9816894605	139.94
				Summary Total					139.94
		MISC PARTS	PV	106098	001	09101	2/25/2021	9818012354	247.13
				Summary Total					247.13
		CORDLESS GREASE GUN	PV	106099	001	09101	2/19/2021	9811699892	268.78
				Summary Total					268.78
		BATTERY	PV	106100	001	09101	2/23/2021	9814226958	173.13
				Summary Total					173.13
				Payment Amount					1,249.18
100211	HAWKINS INC	CHEMICALS	PV	106035	001	09601	2/8/2021	4878692	3,153.83
	HAWKINS INC P O BOX 860263 MINNEAPOLIS MN 55486-0263			Summary Total					3,153.83
				Payment Amount					3,153.83
112475	INNOVATIVE OFFICE SOLUTIONS	OFFICE SUPPLIES	PV	106070	001	09101	2/23/2021	IN3271013	150.81
	INNOVATIVE OFFICE SOLUTIONS P O BOX 860627 MINNEAPOLIS MN 55486-0001			Summary Total					150.81
				Payment Amount					150.81
100273	MALLOY MONTAGUE KARNOWSKI RADOSEVIC	AUDIT SERVICES THRU 1/31/21	PV	106040	001	09101	2/12/2021	49652	1,830.00
	MALLOY MONTAGUE KARNOWSKI RADOSEVIC 410 PARK NATIONAL BANK BLDG 5353 WAYZATA BLVD MINNEAPOLIS MN 55416			Summary Total					1,830.00
				Payment Amount					1,830.00
100283	MENARDS COON RAPIDS	MISC SUPPLIES	PV	106042	001	09101	2/9/2021	45079	19.12
	MENARDS COON RAPIDS 3045 MAIN STREET			Summary Total					19.12
		MISC SUPPLIES	PV	106043	001	09101	2/14/2021	45404	52.80
	COON RAPIDS MN 55433			Summary Total					52.80
				Payment Amount					71.92
100284	MENARDS ELK RIVER	MISC SUPPLIES	PV	106041	001	09601	2/17/2021	26460	98.04

Payment Group Control Number	3177		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	MENARDS ELK RIVER			Summary Total					98.04
	19521 EVANS STREET NW	MISC SUPPLIES	PV	106123	001	09601	2/26/2021	26956	58.17
	ELK RIVER MN 55330-1077			Summary Total					58.17
		BATTERIES	PV	106124	001	09101	2/24/2021	26852	29.98
				Summary Total					29.98
		MISC SUPPLIES	PV	106125	001	09101	2/20/2021	26654	14.34
				Summary Total					14.34
				Payment Amount					200.53
113909	MOBILE VEHICLE INTEGRATION	WORK ON 559	PV	106044	001	09101	2/6/2021	21-02017	202.50
	MOBILE VEHICLE INTEGRATION 835 XENIA AVENUE NW ELK RIVER MN 55330			Summary Total					202.50
				Payment Amount					202.50
100341	MTI DISTRIBUTING INC	TORO MOWER 5910	PV	106076	001	09101	2/24/2021	1288576-00	101,509.31
	MTI DISTRIBUTING INC SDS 12-1900 P O BOX 86 MINNEAPOLIS MN 55486-1900			Summary Total					101,509.31
				Payment Amount					101,509.31
108091	MUNICIPAL CODE CORPORATION	UPDATES 2021	PV	106105	001	09101	2/27/2021	00354961	947.37
	MUNICIPAL CODE CORPORATION P O BOX 2235 TALLAHASSEE FL 32316			Summary Total					947.37
				Payment Amount					947.37
116698	NORTHERN SALT INC	SALT BRINE	PV	106107	001	09101	2/19/2020	3327	2,075.00
	NORTHERN SALT INC P O BOX 1028 FOREST LAKE MN 55025-5028			Summary Total					2,075.00
				Payment Amount					2,075.00
100363	NORTHERN SANITARY SUPPLY CO	MISC SUPPLIES	PV	106047	001	09101	2/12/2021	200943	75.50
	NORTHERN SANITARY SUPPLY CO			Summary Total					75.50

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Originator	JLIPSKI		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Ty	Document Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	341 COON RAPIDS BLVD MINNEAPOLIS MN 55433								
				Payment Amount					75.50
115071	NORTHLAND OCCUPATIONAL HEALTH	TESTING	PV	106079	001	09101	2/25/2021	9639	150.00
	NORTHLAND OCCUPATIONAL HEALTH			Summary Total					150.00
	7533 SUNWOOD DRIVE NW SUITE 212	PRE EMPLOY TESTING	PV	106126	001	09101	3/2/2021	9704	320.00
	RAMSEY MN 55303			Summary Total					320.00
				Payment Amount					470.00
110480	OPUS 21 MANAGEMENT SOLUTIONS	JAN 2021 SERVICES	PV	106048	001	09601	2/8/2021	210107	2,640.44
	OPUS 21 MANAGEMENT SOLUTIONS	JAN 2021 SERVICES	PV	106048	002	09601	2/8/2021	210107	2,640.44
	680 COMMERCE DRIVE SUITE 160	JAN 2021 SERVICES	PV	106048	003	09601	2/8/2021	210107	2,640.44
	WOODBURY MN 55125	JAN 2021 SERVICES	PV	106048	004	09601	2/8/2021	210107	2,640.44
		JAN 2021 SERVICES	PV	106048	005	09601	2/8/2021	210107	2,640.46
				Summary Total					13,202.22
				Payment Amount					13,202.22
112824	PARKPLACE STUDIO	PD PICTURES	PV	106081	001	09101	2/4/2021	020421	165.00
	PARKPLACE STUDIO 6093 146TH LANE NW RAMSEY MN 55303			Summary Total					165.00
				Payment Amount					165.00
113737	RATWIK ROSZAK AND MALONEY PA	RETAINER JAN 21	PV	106128	001	09604	1/31/2021	68275	37.50
	RATWIK ROSZAK AND MALONEY PA	RETAINER JAN 21	PV	106128	002	09604	1/31/2021	68275	390.00
	300 U.S. TRUST BUILDING	RETAINER JAN 21	PV	106128	003	09604	1/31/2021	68275	2,787.50
	730 SECOND AVENUE SOUTH			Summary Total					3,215.00
	MINNEAPOLIS MN 55402	JAN 21 SERVICE	PV	106129	001	09214	1/31/2021	68274	45.00
		JAN 21 SERVICE	PV	106129	002	09214	1/31/2021	68274	645.00
				Summary Total					690.00
				Payment Amount					3,905.00
115381	RUMRIVER ART CENTER	JAN-FEB 21 CLASSES	PV	106130	001	09101	2/11/2021	1214082	388.00

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Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
	RUMRIVER ART CENTER 2665 4TH AVENUE SUITE 102 ANOKA MN 55303			Summary Total					388.00
				Payment Amount					388.00
100431	SAFETY KLEEN CORPORATION	RECYCLE PARTS WASHER FLUID	PV	106082	001	09101	2/4/2021	CN12282364	110.97
	SAFETY KLEEN CORPORATION PO BOX 975201 DALLAS TX 75397-5201			Summary Total					110.97
				Payment Amount					110.97
100976	SHRED IT	PD SHREDDING	PV	106050	001	09101	2/15/2021	8181468087	76.16
	SHRED IT USA MINNEAPOLIS 28883 NETWORK PLACE CHICAGO IL 60673-1288			Summary Total					76.16
				Payment Amount					76.16
100469	STREICHER'S POLICE EQUIPMENT	TACTICAL POUCHES	PV	106051	001	09101	2/15/2021	I1484156	45.00
	STREICHER'S POLICE EQUIPMENT 10911 WEST HWY 55 MINNEAPOLIS MN 55441			Summary Total					45.00
				Payment Amount					45.00
116602	TEAM LABORATORY CHEMICAL LLC	EZ DOSE IT	PV	106131	001	09602	2/22/2021	INV0024407	864.00
	TEAM LABORATORY CHEMICAL LLC P O BOX 1467 28650 STATE HWY 34 DETROIT LAKES MN 56501			Summary Total					864.00
				Payment Amount					864.00
100485	TIMESAVER OFF SITE SECRETARIAL INC	FEB 21 MEETINGS	PV	106132	001	09101	2/25/2021	M26267	1,425.50
	TIMESAVER OFF SITE SECRETARIAL INC			Summary Total					1,425.50
	21021 KAROLINE COURT N	FEB 21 MEETINGS	PV	106133	001	09101	2/12/2021	M26234	586.50
	FOREST LAKE MN 55025			Summary Total					586.50
				Payment Amount					2,012.00

R04570

CITY OF RAMSEY

Create Payment Control Groups

Payment Group Control Number	3177		
Bank Account	999.1010	CASH IN BANK	00002224
Version	LOGIS004V		
Originator	JLIPSKI		
Payment Instrument	T	A/P ACH Payment	
Pay Through Date	12/31/2021		

Payee Number	Name / Mailing Address	Stub Message	Document Ty	Number	Itm	Co	Due Date	Invoice Number	Payment Amount
112079	TOKLE INSPECTIONS INC	JAN 21 SERVICES	PV	106110	001	09101	2/16/2021	021621	3,109.50
	TOKLE INSPECTIONS INC 1748 123RD AVENUE NW COON RAPIDS MN 55448							Summary Total	3,109.50
								Payment Amount	3,109.50
106351	WATER LABORATORIES, INC	FEB 21 WATER TESTING	PV	106134	001	09601	3/1/2021	8418	660.00
	WATER LABORATORIES, INC 333 EAST MAIN STREET PO BOX 388 ELK RIVER MN 55330							Summary Total	660.00
								Payment Amount	660.00
								Total Amount to be Processed	155,681.48
								Total Number of Payments to be Processed	45

pay IP 2.1821

NORTHLAND TRUST SERVICES
150 S. Fifth Street, Suite 3300
Minneapolis, MN 55402
Phone 612-851-4931
Fax 612-851-4933

2021

INVOICE

CITY OF RAMSEY
ATTN: FINANCE OFFICER
7550 SUNWOOD DRIVE NW
RAMSEY MN 55303-5137

01/11/2021
RAMS13A

RE: CITY OF RAMSEY, MINNESOTA
$635,000 GENERAL OBLIGATION EQUIPMENT
CERTIFICATES OF INDEBTEDNESS,
SERIES 2013A

107244
9348.6611
9353.1348

Debt Service: 03/01/2021

Principal:	0.00
Interest:	2,912.50
Total Principal & Interest:	2,912.50
Less Cash on Hand (Escrow Funds)	(0.00)
Paying Agent Annual Fee	0.00

Total Amount Due: 2,912.50

IF PAYING BY WIRE, PLEASE NOTIFY US VIA EMAIL

Thank you for your business!

CHECK PAYMENTS due: 02-22-2021

Make Checks payable to:
NORTHLAND TRUST SERVICES INC.

WIRE PAYMENTS due: 02-24-2021

Wells Fargo Bank, San Francisco, CA
ABA: 121-000-248
ACCT: 143-6412710 Northland Trust Services
REF: Issuer name & series number

***MN SCHOOL DISTRICTS should wire funds 3 days prior to debt service date according to State Credit Enhancement requirements.**

ACH PAYMENTS due: 01-24-2021

Wells Fargo Bank, Minneapolis, MN
ABA: 091-000-019
CHECKING ACCT: 143-6412710
REF: Issuer name & series number

IF YOU ARE REQUESTED TO CHANGE THESE WIRE INSTRUCTIONS FOR ANY REASON, YOU MUST VERBALLY CONFIRM THE CHANGE WITH NORTHLAND TRUST SERVICES WITH THE FOLLOWING CONTACTS:

Rhonda Magee
PH:612-851-4931
rmagee@northlandtrust.com

Scott Miles
PH: 612-851-5914
smiles@northlandtrust.com

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #21-059

RESOLUTION APPROVING CASH DISBURSEMENTS MADE AND AUTHORIZING PAYMENT OF ACCOUNTS PAYABLE INVOICING RECEIVED DURING THE PERIOD OF FEBRUARY 18, 2021 THROUGH MARCH 3, 2021

WHEREAS, the City of Ramsey Finance Department has made cash disbursements and received accounts payable invoicing during the period of February 18, 2021, through March 3, 2021, in the amount of $ 2,159,037.45 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 February 18, 2021, through March 3, 2021, in the amount of $ 2,159,037.45.

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:

Mayor Kuzma
Councilmember
Councilmember
Councilmember
Councilmember
Councilmember

and the following voted against the same:

None

and the following abstained:

None

and the following were absent:

Existing Vacancy

Whereupon said resolution was declared duly passed and adopted by the Ramsey City Council this the 9th day of March, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session **5. 7.**

Meeting Date: 03/09/2021

By: Brian McCann, Community Development

Information

Title

Adopt Resolution #21-049 Approving Abatement of 5420 142nd Ave NW (Case of Anna and Pytor Vlasyuk)

Purpose/Background:

Planning is seeking authorization to abate the items in violation of City Code at 5420 142nd Ave NW. The Subject Property has exceeded the number of allowed vehicles regulated by Section 117-355, and there are other public nuisance items in violation of Chapter 30 of City Code in relation to construction materials, and refuse.

Notification:

No notification is required.

Observations/Alternatives:

Summary:

- There have been at least 6 code enforcement cases on the Subject Property since 2008 with multiple violations per case
- Complaint was received about the property on February 12, 2020 regarding number of vehicles and junk on the property.
- The case was forwarded to Community Development Department from the Police Department on November 18, 2020.
- An initial letter of contact was sent to the property on December 1, 2020.
- A first notice of violation for off-street parking and refuse was sent on December 18, 2020.
- A second notice of violation for off-street parking and refuse was sent on January 19, 2021. An administrative citation of $75 was included with the letter.
- City Staff received payment for the administrative citation on February 12, 2020. No further contact has been established regarding the condition of the Subject Property.

Funding Source:

Staff handles all Code Enforcement cases as part of their regular duties.

Recommendation:

Staff recommends motion to adopt Resolution #21-049 approving an abatement of 5420 142nd Ave NW to remove public nuisance items including tires, construction materials, boxes, and vehicles until six (6) vehicles remain on the property. The cost of the work will be assessed to the Property Taxes for the Subject Property.

Action:

Motion to adopt Resolution #21-049 approving an abatement of 5420 142nd Ave NW.

Attachments

First Letter

First Notice of Violation

Second Notice of Violation
Resolution 21-049

Form Review

Inbox	Reviewed By	Date
Tim Gladhill	Tim Gladhill	03/03/2021 10:16 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:31 AM
Form Started By: Brian McCann		Started On: 02/16/2021 01:54 PM
Final Approval Date: 03/04/2021		

City of RAMSEY

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

December 1st, 2020

Anna Vlasyuk
Or Current Owner
5420 142nd Ave NW
Ramsey, MN 55303

RE: Number of Allowed Items

Dear Property Owner,

The City of Ramsey Police Department has been working with you on the number of allowed vehicles on the property, and have forwarded the case to the Planning Division. We would like to inspect the property and discuss the necessity for an increase in allowed number of vehicles on the property.

City Code Section 117-355 states requirements for off-street parking in residential districts. Currently, your property has exceeded the number of allowed items being stored outside. Based on your property's size (less than two acres), you are allowed a maximum of six (6) items to be stored outside on proper surfacing.

Items that count towards the number include, but are not limited to, the following examples: motor vehicles, recreational vehicles, campers, boats, canoes, snowmobiles, jet-skis, all terrain vehicles, go-carts, motocross bikes, motorcycles, fish houses, and other recreational equipment and self-propelled vehicles. Exemptions to the number include: lawnmowers, garden tractors and attachments, bicycles, wheelbarrows, play structures, stepladders, and other items used for routine home and lawn maintenance.

Please contact the Planning Division by **December 15th, 2020** to schedule an in-person inspection. We would like to inspect the property with you at your earliest convenience, and thank you for your cooperation.

Sincerely,

Brian McCann, Planning Technician
(763) 576-4314 | bmccann@cityoframsey.com
Ramsey Planning Department

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

December 18th, 2020

Anna Vlasyuk
Or Current Owner
5420 142nd Ave NW
Ramsey, MN 55303

RE: Violations on Anoka County PID # 25-32-25-33-0013 (5420 142nd Ave NW)

Dear Property Owner:

The City of Ramsey has adopted ordinances that are designed to keep the community safe, healthy and attractive. A recent complaint received by City staff noted that a goat is residing on the property. Goats are not allowed for a property of your size as stated by City Code Chapter 10 - Animals:

City Code Section 117-355. Section 117-355. – Residential development off-street parking.

1. Number of items
   a. Six items allows for outdoor storage and parking on parcels less than two acres in size.

3. Surfacing.
   b. Outside the metropolitan urban service area (MUSA).
      1. Currently licensed and operable motor vehicles, the primary purpose of which is for private transportation or recreational use may be parked:
         i. In the front yard if on a driveway.
         ii. In the side or rear yard provided it is parked on a residential parking surface that consists of either bituminous pavement, concrete, or prepared gravel/Class V of at least two inches in depth that is applied to the entire area beneath the motor vehicle and extending 12 inches around the perimeter of the motor vehicle.

City Code Chapter 30-3. – Property conditions constituting a public nuisance.

(6) The storage or accumulation of waste, refuse, or garbage that is not contained in a closed container designed or reasonably adapted for such purpose, except for 30 days preceding pick-up by a hauler. This includes any accumulation of appliances, plumbing fixtures, furniture, equipment, remnants of wood (decayed or weathered) unused construction materials, stockpiles of rocks or dirt, or any items that could not be put to use in the manner that they are intended.

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

The City previously attempted to contact you on December 1st, 2020 regarding these violations, but has not received a response**. You have 14 days from the date of this letter to address the following (or you will receive an administrative citation of $75**):

1. Contact the City to schedule an inspection of the property and discuss the vehicle situation; and
2. Properly store or remove all public nuisance items on the property.

Please contact me at (763) 576-4314 or bmccann@ci.ramsey.mn.us to answer any questions you may have, and to schedule an inspection. Staff would like to inspect as soon as we are able to.

Sincerely,

Brian McCann, Planning Technician
(763) 576-4314 | bmccann@ci.ramsey.mn.us
Ramsey Planning Department

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

PLEASE CONTACT THE PLANNING DEPARTMENT BEFORE FILING AN APPEAL

You may request a hearing before a Hearing Examiner regarding these violations. Your request must be filed in writing addressed to the Chief of Police within fourteen (14) days from the date you receive this notice and your request MUST identify with specificity the basis for your objection to the interpretation of the Code and the Notice of Violation for requesting the hearing. A $250 filing fee must also accompany your hearing request. The Police Chief's name and address is as follows:

Jeff Katers, Chief of Police
Ramsey Police Department
7550 Sunwood Drive NW
Ramsey, MN 55303

If you fail to correct the violations and come into compliance with the City Code or request a hearing within the fourteen (14) day period, you may be subject to an administrative fine AND the City will come onto the Property and correct (abate) the violations, and assess the costs of abatement along with any penalties and interest incurred. Those costs will be certified to the county auditor and will be collected along with current taxes the following year or in annual installments not exceeding ten as the City Council may determine. The assessments will remain a perpetual lien on the Property until paid in full.

You are further notified that any item removed from the Property by the City will be held for 15 days prior to disposal. Within said 15 days you may reclaim the items held by the City after paying all fees incurred by the City associated with the abatement. If you do not contact the City within 15 days to reclaim the items, all items will be disposed of and sold. Any abated items that are reclaimed and returned to the Property owner that are found to be in violation of the City Code's nuisance provisions shall be abated immediately by the City.

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

January 19th, 2021

Anna Vlasyuk
Or Current Owner
5420 142nd Ave NW
Ramsey, MN 55303

- SECOND NOTICE OF VIOLATION -

RE: Violations on Anoka County PID # 25-32-25-33-0013 (5420 142nd Ave NW)

Dear Property Owner:

The City of Ramsey has adopted ordinances that are designed to keep the community safe, healthy and attractive. City Staff received a complaint on your property in regards to the following violations:

<u>City Code Section 117-355. Section 117-355. – Residential development off-street parking.</u>

1. Number of items
   a. Six items allows for outdoor storage and parking on parcels less than two acres in size.

3. Surfacing.
   b. Outside the metropolitan urban service area (MUSA).
      1. Currently licensed and operable motor vehicles, the primary purpose of which is for private transportation or recreational use may be parked:
         i. In the front yard if on a driveway.
         ii. In the side or rear yard provided it is parked on a residential parking surface that consists of either bituminous pavement, concrete, or prepared gravel/Class V of at least two inches in depth that is applied to the entire area beneath the motor vehicle and extending 12 inches around the perimeter of the motor vehicle.

<u>City Code Chapter 30-3. – Property conditions constituting a public nuisance.</u>

(6) The storage or accumulation of waste, refuse, or garbage that is not contained in a closed container designed or reasonably adapted for such purpose, except for 30 days preceding pick-up by a hauler. This includes any accumulation of appliances, plumbing fixtures, furniture, equipment, remnants of wood (decayed or weathered) unused construction materials, stockpiles of rocks or dirt, or any items that could not be put to use in the manner that they are intended.

STATE OF MINNESOTA
COUNTY OF ANOKA

CITY OF RAMSEY
Code Enforcement Unit

The City previously attempted to contact you on December 1st, 2020, and December 18th, 2020 regarding these violations. The City has not received a response so you are receiving an administrative citation of $75. **You have 14 days from the date of this letter to address the following (or you will receive another administrative citation of $250**):

1. Contact the City to schedule an inspection of the property and discuss the vehicle situation; and
2. Properly store or remove all public nuisance items on the property.

Please contact me at (763) 576-4314 or bmccann@ci.ramsey.mn.us to answer any questions you may have, and to schedule an inspection. Staff would like to inspect as soon as we are able to.

Sincerely,

Brian McCann, Planning Technician
(763) 576-4314 | bmccann@ci.ramsey.mn.us
Ramsey Planning Department

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

RESOLUTION #21-049

A RESOLUTION APPROVING HIRING CONTRACTORS TO ABATE VEHICLES AND PUBLIC NUISANCE ITEMS FROM 5420 142ND AVE NW

WHEREAS, the property owner Anna Vlasyuk (the "Property Owner") has an open code enforcement case on the property generally known as 5420 142nd Avenue NW and legally described as follows:

FLINTWOOD HILLS LOT 8 BLK 3 FLINTWOOD HILLS (SUBJ TO EASE AS SHOWN ON PLAT), Anoka County, Minnesota

(the "Subject Property"); and

WHEREAS, the Subject Property is zoned R-1 Residential (MUSA); and

WHEREAS, the Subject Property is approximately 1.01 acres in size; and

WHEREAS, there are documented City Code violations dating back to 2003, with notices of violation regarding off-street parking; and

WHEREAS, the City has most recently opened a case on the Subject Property for violations related to off-street parking and refuse; and

WHEREAS, the City sent a formal letter on December 1, 2020 for off-street parking and refuse violations; and

WHEREAS, the City sent a formal first notice of violation on December 18, 2020 for off-street parking and refuse violations; and

WHEREAS, the City of Ramsey City Code would allow the Subject Property to have six (6) total vehicles of outdoor storage, including one (1) unlicensed or inoperable vehicle on a proper parking surface; and

WHEREAS, Staff estimates the Subject Property has approximately 10 personal vehicles on the driveway; and

WHEREAS, the Nuisance Regulations in the City Code prohibit the outdoor storage of junk, debris, items that are not being put to their intended use, construction debris, and other stockpiles of materials; and

WHEREAS, the Subject Property has outdoor storage of tires, boxes, and other miscellaneous junk and unused items; and

WHEREAS, the Property Owner has not been compliant with Staff requests for inspections and has not been making continued progress of the cleanup required onsite; and

WHEREAS, a second notice of violation and administrative citation were sent on January 19, 2021; and

WHEREAS, City Staff received payment via mail on February 12, 2021 for the administrative citation sent January 19, 2021, but have not received any other contact regarding the Subject Property.

FINDINGS OF FACT

1. The City inspected the property from the road on:

    a. December 1, 2020; and
    b. December 17, 2020; and
    c. February 11, 2021.

2. The City sent formal notices via US Mail on:

    a. December 1, 2020 for the reduction in the number of motor vehicles and items being stored outside to the City Code limit of six (6), that all vehicles be parked on an improved surface, and that no more than one (1) inoperable vehicles were allowed on the property.
    b. December 18, 2020 for a first notice of violation after no action was conducted to resolve off-street parking violation. Refuse violation was noted on the property and added to the violation notice. City Staff also requested an inspection.
    c. January 19, 2021 for continued violations, and an administrative citation.

3. The City received payment on February 12, 2021 for the administrative citation sent on January 19, 2021 with the second notice of violation.

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

That the Ramsey City Council hereby grants approval of the proposed code enforcement action plan on the Subject Property as outlined below, contingent upon verification of any violation(s) of City Code:

1. The City of Ramsey shall utilize Northstar Towing and Reshetar Systems Inc. for abatement services per City policy.

2. That the week of April 7, 2021, the City of Ramsey will work with the abatement contractors listed above to remove the junk, tires, boxes, and other nuisance items stored outside that are not being put to their intended use.

3. That the week of March 24, 2021, the City of Ramsey will work with abatement contractors listed above to tow vehicles from the Subject Property until six (6) remain.

4. That future violations within twelve (12) months of the same type will result in financial penalties and quicker escalation of violation notices.

5. That the City Council reserves the right to escalate future violations directly to District Court for Temporary Restraining Order.

6. That if the Property Owner misses one of the aforementioned deadlines, Staff has the approval to:
    a. Reinspect the Subject Property and document all items out of compliance.
    b. Issue an abatement notice for specific items outlined in step (a).
    c. Abate the Subject Property of items and charge abatement back to Property Owner.

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:

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 9th day of March, 2021.

CITY OF RAMSEY:

By:_____
City Clerk

By:_____
Mayor

STATE OF MINNESOTA)
) ss.
COUNTY OF ANOKA)

On this_____day of_____, 2021, before me a Notary Public personally appeared Mayor Mark E. Kuzma and Colleen Lasher, to me personally known, who, being each by me duly sworn, did say that they are respectively the Mayor and City Clerk of the City of Ramsey, the Municipal Corporation named in the foregoing instrument, and seal affixed to said instrument is the corporate seal of said Municipal corporation, and the said instrument was signed and sealed on behalf of said Municipal Corporation by authority of its City Council, and said Mark E. Kuzma Colleen Lasher acknowledge said instrument to be the free act and deed of said Municipal Corporation.

_____
Notary Public

This document drafted by:
City of Ramsey
7550 Sunwood Dr
NW Ramsey, MN
55303

CC Regular Session **5. 8.**

Meeting Date: 03/09/2021

By: Chloe McGuire Brigl, Community Development

Information

Title:

Adopt Resolution #21-063 Releasing Agreements for Outlot B, Alpha Development; Case of US Home Corporation (Lennar) and the City of Ramsey

Purpose/Background:

The purpose of this case is to release Outlot B, Alpha Development (the "Subject Property"), from three past development agreements that are no longer necessary for the land. This is a standard and typical case for the City, that happens when land is sold from one party to another. In this situation, the City of Ramsey is selling the piece of land to US Home Corporation (Lennar), and the title company has found past, expired agreements still tied to the property. The Subject Property is on the southeastern section of the Puma/Okapi Street and Alpine Drive intersection.

The Applicant and Staff are requesting that the City release the Subject Property from three separate agreements - the original Development Contract, an Amended and Restated Development Contract, and a Stormwater and Ponding Agreement. The items outlined in these contracts are no longer necessary on this piece of land.

If approved, this case would clean up title work for a City-owned piece of land, and allow a piece of City-owned land to be sold, furthering the City's goals. The City of Ramsey Economic Development, Planning, and Engineering Departments have reviewed this request and are supportive of the release. The land closing is anticipated to occur on April 7, 2021

Notification:

N/A

Funding Source:

Staff is handling this case as part of regular duties.

Recommendation:

Staff recommends adoption of Resolution #21-063.

Action:

Motion to adopt Resolution #21-063.

Attachments

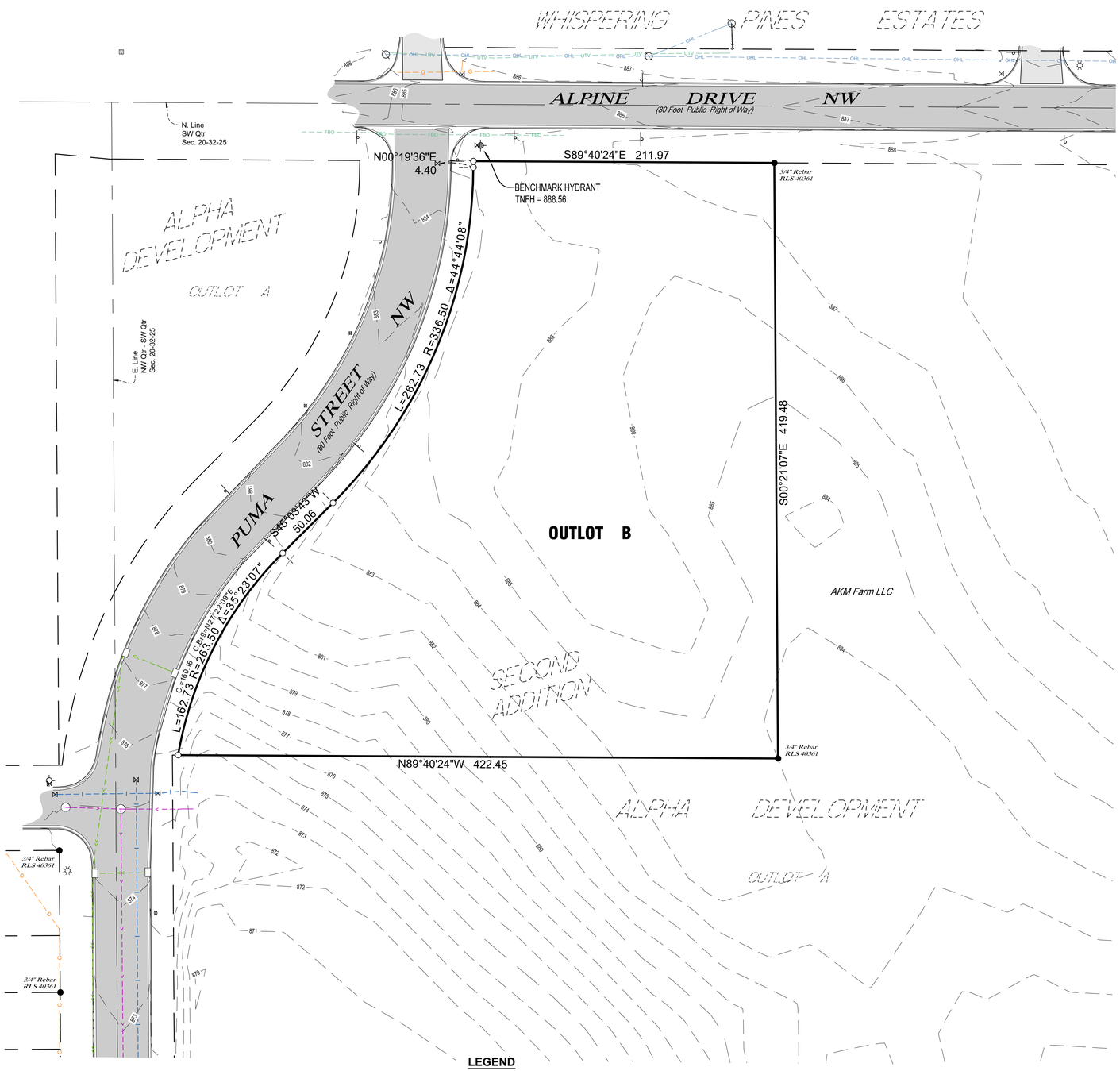
Site Map
Title Objection Letter
Development Contract
Amended Development Contract
Stormwater Ponding Agreement
Release of Development Agreement

Release of Stormwater Agreement

ACTION - Resolution 21-063

Form Review

Inbox	Reviewed By	Date
Sean Sullivan	Sean Sullivan	03/02/2021 12:00 PM
Tim Gladhill	Tim Gladhill	03/03/2021 10:21 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:53 AM
Form Started By: Chloe McGuire Brigl		Started On: 02/26/2021 08:05 AM
Final Approval Date: 03/04/2021		



LEGEND

Bituminous Surface	Sanitary Sewer Line	Manhole/Catch Basin
Concrete Surface	Storm Sewer Line	Gas Valve
Iron Monument Found	Water Line	Post
Indicates 1/2" Dia. x 18" Long Solid Iron Pipe Set With Plastic Cap Marked By ISG, License No. 43110	Underground Gas Line	Sign
	Underground Fiber Optic Line	Hydrant
	Underground Cable TV Line	Water Valve
	Overhead Utility Line	Utility Pedestal
	Light Pole	Utility Pole/Guy Wire

DESCRIPTION REFERENCED FROM SCHEDULE A:
(Per File No. 57835)

Outlot B, Alpha Development 2nd Addition, Anoka County, Minnesota

NOTES:

1. The client has provided a commitment for title insurance issued by Old Republic National Title Insurance Company, having an effective date of August 27, 2020, bearing File No. 57835, which is the basis of this survey.
2. Fee ownership at time of survey is vested in City of Ramsey, a Minnesota municipal corporation, per File No. 57835.
3. Bearings shown hereon are based upon the plat of Alpha Development.
4. Subsurface and environmental conditions were not examined or considered during the process of this survey. No statement is made concerning the existence of underground or overhead containers or facilities that may affect the use or development of the surveyed property.
5. The surveyed property abuts to Alpine Drive NW and Puma Street NW. No curb cuts, driveways or field roads were observed at the time of the survey.
6. Old Republic National Title Insurance Company, File No. 57835, Schedule B-2 Exceptions (survey related):
   9. Terms and conditions of Ordinance No. 86-11 filed October 28, 1987, as Document No. 784944. Said ordinance establishes a storm sewer improvement tax district of which said property is subject to, but is not plottable.
   10. Terms and conditions of City of Ramsey Development Contract for Alpha Development and Legacy Christian Academy Site Plan dated May 20, 2011, filed May 23, 2011, as Document No. 2022343.005. Amended by City of Ramsey Amended and Restated Development Agreement (Partial Release) for Alpha Development dated December 13, 2016, files January 10, 2017, as Document No. 2160375.002. Said documents do affect the surveyed property. It is unknown if all conditions have been met.
   11. Terms and conditions of Storm Water Treatment and Ponding Maintenance Agreement dated May 20, 2011, filed May 23, 2011, as Document No. 2022343.008. Said document does affect the surveyed property. It is unknown if all conditions have been met.
7. There were no observed possible encroachments on the surveyed property other than those shown on the survey.
8. There was no observed evidence of a cemetery or burial ground within the surveyed property.
9. Snow and ice were present on this site during the field survey on January 8, 2021 and may have made some physical features not visible.
10. Deeds for adjoiners to the surveyed property were not provided with title documentation and therefore not reviewed as part of this survey.
11. The word 'certify' or 'certificate' is an expression of professional opinion regarding the facts of the survey and does not constitute a warranty or guarantee, express or implied.

OPTIONAL TABLE A ITEMS:

1. Monuments to be set as part of this survey are shown hereon.
2. Address of the surveyed property if disclosed in documents provided to or obtained by the surveyor, or observed while conducting the fieldwork are shown hereon. No address has been assigned to the property.
3. The flood zone classification/limits depicted hereon, if any, are subject to map scale uncertainty. The surveyed property shown on this survey map is in Flood Zone X, according to Flood Insurance Rate Map Community Panel No. 27003C0280E, published by the Federal Emergency Management Agency, effective date December 16, 2015.
4. Gross land area is shown hereon.
   AREA TABLE:
   Outlot B - 2.91 Acres
5. Vertical relief with the source of information (ground survey or aerial map), contour interval, datum, and originating benchmark identified. Vertical relief data was obtained by a ground survey. Vertical datum is based on NAVD88 and 1 foot contours are shown on this survey.

   Onsite benchmark is Top Nut Fire Hydrant located near the northwest corner of Outlot B - Elev=888.56.

   Offsite benchmark is PUMA MNDT RM1 - Elev=884.89.

6a. If set forth in a zoning report or letter provided to the surveyor by the client, list the current zoning classification, setback requirements, the height and floor space area restrictions, and parking requirements. Identify the date and source of the report or letter. No report or letter was provided.

R-1 (MUSA) (Per City of Ramsey website)
Setbacks
Building
Front = 30 feet
Rear = 30 feet
Side = 6 feet (uninhabitable) 10 feet (habitable)
Corner = 30 feet

OPTIONAL TABLE A ITEMS CONT.:

7a. Exterior dimensions of all buildings at ground level on the surveyed property are shown hereon. No buildings were observed at the time of the survey.

8. Substantial features observed in the process of conducting fieldwork (in addition to the improvements and features required pursuant to Section 5 in the 2016 ALTA/NSPS Standards) are shown hereon.

9. Number and type (e.g., disabled, motorcycle, regular and other marked specialized types) of clearly identifiable parking spaces on surface parking areas, lots, and in parking structures. Striping of clearly identifiable parking spaces on surface parking areas and lots. The number of parking stalls observed on the surveyed property are as follows: No stalls were observed at the time of the survey.

11. Location of utilities existing on or serving the surveyed property as determined by observed evidence together with evidence from plans obtained from utility companies or provided by client, and markings by utility companies and other appropriate sources. Location of all utilities shown and plotted are approximate, based on Gopher State One Call on October 14, 2020, Ticket Numbers 202881099 and 202881100. Location of all utilities shown and plotted are based on visible surface identification, and/or drawings provided by utility companies contacted by the Gopher State One Call. Utility lines in street right-of-way are not necessarily complete. Private utility lines, may not be located per the Gopher State One Call, available record drawings were used in preparing the location of these lines. Excavations were not made during the process of this survey to locate underground utilities and/or structures. Additional underground utilities and/or structures may be encountered. Contact Gopher State One Call Notification Center for verification of utility type and field location, prior to excavation. Per Gopher State One Call Ticket Numbers 202881099 and 202881100, the following utilities were notified:

Name	Phone No.
Comcast	800-778-9140
City of Ramsey	763-433-9861
Century Link	800-778-9140
Connexus Energy	763-323-4215
Center Point Energy	800-778-9140
Zayo Bandwidth	888-267-1063

13. Names of adjoining owners according to Anoka County current tax records are shown on this survey.

16. There was no observed evidence of current earth moving work, building construction, or building additions while conducting the fieldwork.

CERTIFICATION OF SURVEYOR:

To: U.S. Home Corporation and Old Republic National Title Insurance Company:

This is to certify that this map or plat and the survey on which it is based were made in accordance with the 2016 Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys, jointly established and adopted by ALTA and NSPS, and includes Items 1-5, 6a, 7a, 8, 9, 11, 13 and 16 of Table A thereof. The fieldwork was completed on January 8, 2021.

Date: February 8, 2021

Signed: Mark A. Schwanz

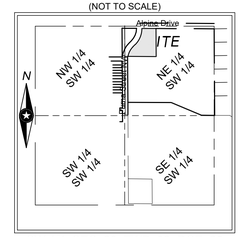
Mark A. Schwanz, Licensed Land Surveyor
Minnesota License No. 45817
ISG
7900 International Drive Suite 550
Minneapolis, MN 55425
(952)426-0699
www.ISGInc.com
mark.schwanz@ISGInc.com

N

0 40 80
SCALE IN FEET

ISG

VICINITY MAP
(NOT TO SCALE)



SW 1/4, SEC. 20, TWP. 32, RGE. 25
Anoka County, Minnesota

I HEREBY CERTIFY THAT THIS SURVEY, PLAN, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

MARK A. SCHWANZ

DATE 02/08/21 LIC. NO. 45817

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PROJECT

LENNAR CORPORATION

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY
02/08/21	Updated Title Commitment	JW

PROJECT NO.	20-24580
FILE NAME	24580 ALTA - OUTLOT B
DRAWN BY	JW
DESIGNED BY	---
REVIEWED BY	MAS
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

ALTA/NSPS LAND TITLE SURVEY

SHEET

1

OF 1

LYDIA S. LUI
(612) 353-1313 office
lydia.lui@vantage.law

February 11, 2021

VIA U.S. MAIL AND EMAIL

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

Re: Title and survey objections relating to the purchase and sale of real property pursuant to that certain Purchase Agreement effective October 27, 2020 (as amended, the "*Purchase Agreement*") between the City of Ramsey ("*Seller*") and U.S. Home Corporation ("*Buyer*")

Dear Mr. Ulrich:

We have received and reviewed the title insurance commitment identified as Commitment No. 57835, with a commitment date of August 27, 2020 (the "***Commitment***"), issued by Commercial Partners Title, LLC, as agent for Old Republic National Title Insurance Company (the "***Title Company***"), relating to certain real property located in Anoka County, Minnesota (as more particularly described in the Purchase Agreement, the "***Property***"). We have also received and reviewed an ALTA/NSPS land title survey of the Property dated February 8, 2021, prepared by Mark A. Schwanz for ISG, Inc. (the "***Survey***").

On behalf of the Buyer, and pursuant to Section 6(b) of the Purchase Agreement, we hereby make the following comments and objections to title and survey. The numbering of our objections and comments corresponds to the Commitment. We ask the Title Company to use the following comments to generate a pro forma owner's policy.

I. OBJECTIONS AND COMMENTS REGARDING THE COMMITMENT

SCHEDULE A:

1. The effective date of the Buyer's final title policy (the "***Final Policy***") must be the date and time of the recording of the insured deed (with full gap coverage). We reserve the right to make further objections and comments for any matters that arise after the date of the Commitment or upon any further modification of the Commitment.

2. The amount of insurance issued in the Final Policy will be the purchase price paid at closing.

3-4. The Final Policy should state that title to the fee simple estate is vested in Buyer. We require that Seller take all steps necessary to cause record fee title to be placed in Buyer at closing.

5. The legal description in the deed, Final Policy, and Survey must be identical.

SCHEDULE B – SECTION ONE:

To the extent applicable to Seller, Seller must satisfy all requirements prior to closing, including but not limited to: (a) terminating any and all leases affecting the Property, if any; and (b) providing all organizational and authorizing documentation as required by the Title Company.

SCHEDULE B – SECTION TWO:

Items 1-6: (Standard/General Exceptions). **Comment**: Pursuant to the Purchase Agreement, Seller must provide an owner's affidavit in form sufficient and acceptable to the Title Company so as to allow it to delete these exceptions from the Final Policy. These exceptions must be deleted from the Final Policy.

Item 7: (Assessments and Real Estate Taxes). **Comment**: This exception must be modified on the Final Policy. Real estate taxes and special assessments due and payable as of the date of closing must be paid at closing in accordance with the Purchase Agreement. The Final Policy must insure that all taxes due and payable as of closing have been paid and shall state that there are no levied, pending or deferred taxes or special assessments and no delinquent taxes.

Item 8: (Rights of tenants). **Comment**: Buyer objects to this exception and requires it be deleted from the Final Policy.

Item 9: (Ordinance No. 86-11, Doc. No. 784944). **Comment**: Buyer requires that Seller provide further information regarding any obligations, assessments, costs or fees allocated to the Property pursuant to this exception. Buyer reserves the right to make additional comments or objections upon receipt of such further information.

Item 10: (Development Contract, Doc. Nos. 2022343.005, 2160375.002). **Comment**: Buyer objects to this exception and requires that Seller provide a recordable certificate of completion and release so that the Title Company can delete this exception from the Final Policy.

Item 11: (Storm Water Treatment and Ponding Maintenance Agreement, Doc. No. 2022343.008). **Comment**: Buyer requires that Seller provide further information

regarding any obligations, assessments, costs or fees allocated to the Property pursuant to this exception. Buyer reserves the right to make additional comments or objections upon receipt of such further information.

II. OBJECTIONS AND COMMENTS REGARDING THE SURVEY

Buyer requires that the Survey certification be revised to include Commercial Partners Title, a division of Chicago Title Insurance Company. Buyer reserves the right to make additional comments or objections upon receipt of any revised Survey.

III. ENDORSEMENTS

Buyer will require the following endorsements to the Final Policy:

1. **Environmental Protection Lien** [ALTA 8.2-06].

2. **Comprehensive** [ALTA 9.1-06, 9.2-06, or 9.8-06].

3. **Private Rights** [ALTA 9.9-06].

4. **Access Endorsement** [ALTA 17-06] insuring access to the Property from public rights of way, including Alpine Drive NW and Puma Street NW.

5. **Contiguity Endorsement** [ALTA 19-06 or 19.1-06] insuring that the Property is internally contiguous and contains no gaps, strips or gores.

6. **Survey Endorsement** [ALTA 25-06 or 25.1-06].

7. **Tax Parcel Endorsement** [ALTA 18-06 or 18.1-06].

8. **Subsequent Insurance Endorsement** [Manuscript].

9. **Utility Facility Endorsement** [ALTA 17.2-06].

We reserve the right to make additional comments for any matters that arise after the date of the Commitment or upon any further modification of either the Commitment or the Survey. All objections must be cured in accordance with the Purchase Agreement. Copies of the Commitment and Survey are available upon request.

Please contact me if you have any questions.

Very truly yours,

VANTAGE LAW GROUP, PLLC



Lydia S. Lui

cc: Steve Ach (via email)
Jerry Perron (via email)
Kent Magnuson (via email)
Brett Fisher (via email)
Mark Schwanz (via email)

2022343.005

Record ID 2405763

CITY OF RAMSEY
DEVELOPMENT CONTRACT
FOR ALPHA DEVELOPMENT AND LEGACY CHRISTIAN ACADEMY SITE PLAN

This CONTRACT dated this 20th day of May, 2011, and is by and between the **CITY OF RAMSEY**, a Minnesota municipal corporation (the "**CITY**"), and Hageman Holdings, LLC ("**PERMITTEE**"), a Minnesota limited liability company having an address for purposes of this Contract of 13200 43rd St. NE, St. Michael, MN 55376.

WHEREAS, PERMITTEE is the owner of fee title to land situated within the city limits of the City, Anoka County, Minnesota, legally described as follows (the "Property"):

Lot 1, Block 1, HY-10 Ramsey 2nd Addition, Anoka County, Minnesota, except that part thereof depicted as Parcel 2 on Anoka County Highway Right of Way Plat No. 74, which was conveyed to the County of Anoka by Warranty Deed dated January 25, 2010, recorded on January 28, 2010, as Document No. 2012921.002;

-And-

The Northeast Quarter of the Southwest Quarter, Section 20, Township 32, Range 25, Anoka County, Minnesota;

-And-

Outlot A, Pine Shadows, according to the map or plat thereof on file and of record in the office of the County Recorder in and for Anoka County, Minnesota;

-And-

The Southwest Quarter of the Southeast Quarter, Section 20, Township 32, Range 25, Anoka County, Minnesota, except that part platted as Menkveld's Pine Hills North;

-And-

That part of the Northeast Quarter of the Northwest Quarter and the Northwest Quarter of the Northeast Quarter that lies north of the Burlington Northern Railway right-of-way, Section 29, Township 32, Range 25, Anoka County, Minnesota.

-or upon recording of the Plat contemplated herein-

Lot 1, Block 1 and Outlots A, B, C, and D, ALPHA DEVELOPMENT, Anoka County, Minnesota.

Commercial Partners Title, LLC
200 South Sixth Street
Suite 1300
Minneapolis, MN 55402
33236 (A) 5-10

WHEREAS, on December 14, 2010, pursuant to Resolution No. 10-12-271, the **CITY** approved the final plat of the Property, which plat is known as **ALPHA DEVELOPMENT** (the "**Plat**"), which approval is contingent on certain requirements, including **PERMITTEE** and the **CITY** entering into this Contract; and

WHEREAS, the **CITY** requires that certain improvements be constructed on the Property, which improvements (collectively, the "Improvements") are defined in this Contract and consist of the Stage I Improvements and the Stage II Improvements; and

WHEREAS, **PERMITTEE** has requested, and the **CITY** has agreed, to cause certain Stage I Improvements to the Property to be constructed by and with financial participation by the **CITY** through a Minnesota Statutes Chapter 429 and City Charter assessment process; and

WHEREAS, **PERMITTEE** desires to construct certain Stage I and Stage II Improvements in accordance with the Plat and plans approved by **PERMITTEE** and the **CITY**; and

WHEREAS, **PERMITTEE** understands that the **CITY** will expend no **CITY** funds until **PERMITTEE** has complied with the relevant escrow requirements in the Code of Ordinances of the **CITY**.

WHEREAS, the **PERMITTEE** has proposed to construct a single buildable lot public/quasi public development.

WHEREAS, the **PERMITTEE** has proposed to construct a K-12 private school and that the **CITY** has had a long standing strategic goal to increase the educational opportunities within the community.

NOW, THEREFORE, the **CITY** and **PERMITTEE** agree as follows:

1. Conditions of Approval. The **CITY** hereby approves the Plat on condition that **PERMITTEE** provide the necessary security in accordance with the terms of this Contract pursuant to the City Code and agrees to the Assessment Agreement as defined below in paragraph #5.

2. Permittee Plans. **PERMITTEE** shall develop the Property in accordance with the Permittee Plans. The Permittee Plans as they currently exist were prepared by Anderson Engineering, are dated September 3, 2010 and revised November 1, 2010 with revisions as required by the City Staff Review Letter dated December 8, 2010, are in the files of the **CITY** and consist of the following: Final Plat Plan, Utility Plans; Sanitary Sewer and Watermain Construction; Storm Sewer and Street Construction; Grading, Erosion Control and Details; Landscape Plan and Tree Inventory. The Permittee Plans shall not be amended without the consent of the **CITY**.

3. Stage I Improvements. The "Stage I City Improvements", consist of the following:

   a. Extension of sanitary sewer along the west side of Armstrong Boulevard from just north of Sunwood Drive to Bunker Lake Boulevard;

b. Extension of watermain from the east side of Armstrong Boulevard to the west side of Bunker Lake Boulevard;

c. Extension of sanitary sewer and watermain in the Bunker Lake Boulevard right-of-way dedicated pursuant to the Plat;

d. Development of a storm sewer system to service the street and right-of-way requirements in the Property;

e. Extension of Bunker Lake Boulevard roadway through the Property from Armstrong Boulevard to Puma Street N.W., consisting of two lanes, with curb and gutter on the north side of the roadway, and shoulder on the south side of the roadway; and

f. Construction of trail: along the north side of Bunker Lake Boulevard from Armstrong Boulevard to Puma Street N.W.; and along the west side of Puma Street N.W. from Bunker Lake Boulevard to Alpine Drive.

g. Extension of Puma Street roadway from Bunker Lake Blvd. to Alpine Drive with limited width and overlay standards, consisting of two lanes, no curb and trail extension on west side of street.

The **CITY** agrees to construct the Stage I City Improvements according to the terms and conditions of this Contract and in accordance with the Plans, which are subject to revisions per City Staff Review Letter dated December 8, 2010, and which, together with each contract for construction of the Improvements, shall be submitted to the City Engineer and to **PERMITTEE** for their review and approval prior to execution by the **CITY** of any such contract and prior to commencement of construction of the Stage I City Improvements.

4. The improvements that the **CITY** requires be made to the Property and that the **PERMITTEE** shall cause to be made are the "Stage I Permittee Improvements", and consist of the following:

a. Sanitary sewer and water line extensions from the main municipal trunk line to the building to be constructed on Lot 1.

b. Natural gas line to building on Lot 1

c. Telephone service to building on Lot 1

d. Electric Service to building on Lot 1

e. Landscaping improvements in accordance with the approved Permittee Plans on Lot 1 and within the Bunker Lake Boulevard right-of-way.

f. Stormwater facilities on Lot 1 and Outlot D

g. Easements

h. Grading of Lot 1 and stormwater facilities on Outlot D

i. Rough grading in right-of-way of Bunker Lake Boulevard and required removals consistent with City plans prepared by WSB dated April 28, 2011 as amended.

j. As-builts in scalable, reproducible format, public and private Stormwater ponds and utilities as part of Stage I Permittee Improvements.

A Stage I Permittee Improvement Financial Guarantee shall be provided as required in Paragraph 6 below in conjuction only with items a, e, f, h, i and j above.

PERMITTEE agrees to construct the Stage I Permittee Improvements according to the terms and conditions of this Contract and in accordance with the Permittee Plans, which are subject to revisions per City Staff Review Letter dated December 8, 2010, and which, together with each contract for construction of the Permittee Improvements, shall be submitted to the City Engineer and to **PERMITTEE** for their review and approval prior to execution by **PERMITTEE** of any such contract and prior to commencement of construction of the Stage I Permittee Improvements.

5. Assessment Agreement. **PERMITTEE** and the **CITY** shall execute and deliver an Assessment Agreement (the "Assessment Agreement"), substantially in the form and substance attached hereto as **Exhibit "A"** prior to commencement of the Stage I City Improvements.

6. Stage I Improvement Financial Guarantee. **PERMITTEE** shall not be responsible for a financial guarantee for the Stage I City Improvements. **PERMITTEE** shall be responsible for a financial guarantee for the Stage I Permittee Improvements to insure timely completion of the Stage I Permittee Improvements. **PERMITTEE** agrees that the Certificate of Occupancy shall not be released until the Stage I Permittee Improvements are completed. **PERMITTEE** shall be responsible for a financial guarantee for any remaining Stage I Permittee Improvements that are not complete at the time a City required Certificate of Occupancy is requested by **PERMITTEE** equal to the amount of 125% of the City Engineer's estimated cost of the remaining Stage I Permittee Improvements. The said financial guarantee shall be in the form of a letter of credit or cash escrow held by the **CITY**. **PERMITTEE** agrees to provide the **CITY** with documentation from applicable utility companies that said utility has been satisfied as to Stage I Permittee Improvements and properly paid for said workor provide appropriate lien waivers. The **PERMITTEE** may apply for reductions in the Letter of Credit or cash escrow as the Stage I Permittee Improvements are completed and accepted by the **CITY**. Upon completion of the Stage I Permittee Improvements and final inspection and acceptance by the **CITY**, any remaining balanced on the letter of credit or escrow account shall be promptly returned to the **PERMITTEE**.

7. Inspection Fees. **PERMITTEE** shall be responsible for all inspection costs incurred by the **CITY** related to the installation of the Stage I Permittee Improvements. To insure payment of the inspection costs **PERMITTEE** shall deposit with the **CITY** a cash escrow in the amount of $20,000.00 which equals 5% of the City Engineer's estimated cost of the Stage I Permittee Improvements. **PERMITTEE** agrees that said escrow fees may be used to address clean-up costs in the event of default by the **PERMITTEE**. The

CITY shall maintain an accurate accounting of charges to the escrow amount and shall provide a monthly statement of all such charges. Upon completion of the Stage I Permittee Improvements and final inspection and acceptance by the **CITY**, the remaining balance in the escrow account shall be promptly returned to **PERMITTEE**. In the event the said $20,000.00 cash escrow is not sufficient to defray the inspection costs and/or clean-up costs, **PERMITEE** agrees to supplement the cash escrow within ten (10) days of written request by the CITY in an amount reasonably sufficient to insure payment of the inspections costs and/or clean-up costs.

8. Stage I Improvement Installation. The Stage I Improvements shall be installed in accordance with the City Plans and Permittee Plans and in accordance with **CITY** standards and the City Code. The **CITY** and **PERMITTEE** shall obtain all necessary permits from all agencies before proceeding with construction of the Stage I Improvements. Within thirty (30) days after the completion of the Stage I City Improvements, the **CITY** shall have prepared a complete set of reproducible "As Built" plans for the Stage I City Improvements, developed by a certified engineer.

9. Time of Performance. The **CITY** shall have substantial completion of all Stage I City Improvements by December 1, 2011 and final completion by June 30, 2012, provided that the time for completion shall be extended to the extent that **PERMITTEE'S** acts or omissions unreasonably delays completion of the Stage I City Improvements. **PERMITTEE** shall install all Stage I Permittee Improvements by June 30, 2012, provided that the time for completion shall be extended to the extent that **CITY'S** acts or omissions unreasonably delays completion of the Stage I Permittee Improvements.

10. Stage I Improvement Warranty Financial Guarantee. A Stage I Improvement Financial Warranty Guarantee shall not be required for Stage I City Improvements. A Stage I Improvement Warranty Financial Guarantee shall be required for Stage I Permittee Improvements as applicable to Item #4.e above. The **PERMITTEE** shall deposit as cash escrow or letter of credit the amount of Eighty Two Thousand Five Hundred Seventy Five Dollars and No Cents **($82,575.00)**, which is equivalent to ([358 x $150/tree] + [385 x $75/shrub] x 30% mortality rate). The **PERMITTEE** may apply for reductions in the Letter of Credit or cash escrow as the Stage I Permittee Improvements are completed and accepted by the **CITY**. Upon completion of the Stage I Permittee Improvements and final inspection and acceptance by the **CITY**, any remaining balanced on the letter of credit or escrow account shall be promptly returned to the **PERMITTEE**.

11. Ownership of Improvements. Upon completion and acceptance by the **CITY**, the Stage I City Improvements lying within public easements shall become **CITY** property without further notice or action.

12. License. **PERMITTEE** hereby grants to the **CITY**, its agents, employees, officers and contractors, a license to enter the Property from time to time in order to perform all work and/or inspections deemed appropriate by the **CITY** during installation of the Improvements. This license shall expire after the Improvements installed pursuant to this Contract have been installed and accepted by the **CITY**.

13. Stage II Improvements. The Stage II Improvements which the **CITY** requires **PERMITTEE** to construct, which are not otherwise included in the Stage I Improvements, are as follows:

    a. Monument stakes for the Plat

14. Stage II Improvements to remaining Plat outlots. **PERMITTEE** agrees that Stage II Improvements shall be required on remaining Plat outlots at the time of development of said outlots.

15. Clean Up. **PERMITTEE** and the **CITY** each shall promptly clear from public streets and property any soil, earth, or debris resulting from the construction work on the Stage I Permittee Improvements or the Stage I City Improvements, as the case may be.

16. Payment for Stage II Improvements. **PERMITTEE** shall be responsible for a financial guarantee for the Stage II Improvements to ensure timely completion of the Stage II Improvements. **PERMITTEE** agrees that the Certificate of Occupancy shall not be released until the Stage II Improvements are completed. **PERMITTEE** shall be responsible for a financial guarantee for any remaining Stage II Improvements that are not complete at the time a Certificate of Occupancy is requested by **PERMITTEE** in the amount of 125% of the City Engineer's estimated cost of the remaining State II Improvements. **PERMITTEE** shall deposit said amount as a letter of credit or cash escrow.

17. Street Cleaning. After the street surfacing is installed, the **CITY** and **PERMITTEE** each shall clear any soil, earth or debris from the streets and Stormwater facilities resulting from any construction within the Plat by such party. From time to time and upon not less than thirty six (36) hours prior notice to **PERMITTEE**, the **CITY** may remove, at the expense of **PERMITTEE**, accumulations of soil, earth and debris from the streets and Stormwater facilities within the Plat resulting from construction of the Improvements, and **PERMITTEE** shall pay each invoice from the **CITY** to **PERMITTEE** for such costs within fifteen (15) days of receipt of the invoice.

18. Default. In the event of default by **PERMITTEE** as to any of the work to be performed by it hereunder, the **CITY** may, at its option, perform the work and **PERMITTEE** shall promptly reimburse the **CITY** for any reasonable expense incurred by the **CITY**, provided **PERMITTEE** is first given written notice of the work in default, not less than 48 hours in advance. This Contract is a license for the **CITY** to act, and it shall not be necessary for the **CITY** to seek a Court Order for permission to enter the Property. When the **CITY** does any such work, the **CITY** may, in addition to its other remedies, assess the cost in whole or in part to the benefitted portion(s) of the Property. **PERMITTEE** authorizes reimbursement from any of **PERMITTEE's** escrows held by the **CITY**.

19. Miscellaneous.

a. Invalidity of Any Section. If any portion, section, subsection, sentence, clause, paragraph or phrase of this Contract is for any reason invalid, such decision shall not affect the validity of the remaining portions of this Contract.

b. Written Amendments Only. The action or inaction of the **CITY** shall not constitute a waiver of or amendment to the provisions of this Contract. To be binding, amendments or waivers shall be in writing, signed by the parties and approved by written resolution of the City Council. The **CITY**'s failure to promptly take legal action to enforce this Contract shall not be a waiver or release.

c. Compliance with Laws and Regulations. **PERMITTEE** represents to the **CITY** that the Plat complies with all **CITY**, County, metropolitan, State, and Federal laws and regulations, including but not limited to: subdivision ordinances, zoning ordinances and environmental regulations. If the **CITY** determines that the Plat does not comply, the **CITY** may, at its option, refuse to allow any construction or development work in the Plat until **PERMITTEE** cause the Plat to so comply. Upon the **CITY**'s demand, **PERMITTEE** shallceasework until there is compliance.

d. Recording; Termination and Release. This Contract shall run with the land and shall be recorded in the office of the Anoka County Recorder at the expense of **PERMITTEE**. After **PERMITTEE** has completed the work required of it under this Contract, as to all or any portion of the Property, at the request of **PERMITTEE** the **CITY** will execute in recordable form and deliver either a termination of this Contract or a release of such portion of the Property from the effect of this Contract.

e. Mailbox Locations. **PERMITTEE** agree that the placement of mailboxes along public streets is subject to the approval by the **CITY**, and location of utilities will be necessary through Gopher State One-Call.

f. Boulevard and Area Restoration. The **CITY** shall be responsible for the cost of establishing seed in all boulevards, except as otherwise noted, within thirty (30) days after completion of the street improvements included in the Stage I City Improvements, and restoring all other areas disturbed by the Stage I City Improvements, in accordance with approved Grading and Erosion Control plans prepared by WSB Associated dated April 28, 2011, as amended. **PERMITTEE** shall be responsible for topsoil, trees, and establishment of seed along the north side of Bunker Lake Boulevard. The **CITY** or **PERMITTEE**, as the case may be, shall be responsible for the cost of cleaning any soil, earth or debris from wetlands within and adjacent to the Property resulting from grading in connection with the Stage I City Improvements or the Stage I Permittee Improvements, respectively.

g. Construction, Hours and Entrance Signs. The **CITY** restricts construction and delivery hours to Monday through Saturday, 7:00 a.m. to 10:00 p.m. **PERMITTEE** is required to provide a sign at each entrance point stating delivery and construction operation hours. Said signs are not to exceed eighty (80) square feet in size and must be clearly visible at all times during the construction period.

h. Construction Site Maintenance. **PERMITTEE** shall adhere to all **CITY** ordinances relating to, but not limited to, dumping of garbage, site development, construction debris, open burning, etc.

i. Estimated Cost. It is understood and agreed that cost amounts set forth in this Contract as to the Stage I City Improvements, unless qualified as fixed amounts, are estimated. **PERMITTEE** agree to pay the entire cost of the Improvements, including interest, engineering and legal fees related thereto; provided, however, that **PERMITTEE'S** responsibility for payment of the cost of the Stage I City Improvements shall be limited to the obligations of **PERMITTEE** under the Assessment Agreement.

j. Plat Approval Expenses. **PERMITTEE** shall pay to **CITY** all reasonable **CITY** expenses incurred in the approval of the Plat, including, but not limited to, administration expenses, and engineering and legal fees. Any such expenses incurred after recording of the Plat shall be paid within fifteen (15) days after receipt of an invoice therefor. Failure to pay the **CITY'S** expenses within that fifteen (15) day period will permit the **CITY** to draw for payment upon any of the escrows required by this Contract. The **CITY** agrees to provide to **PERMITTEE**, promptly upon request, an estimate of all such expenses.

k. Reimbursement to the **CITY**. **PERMITTEE** shall reimburse the **CITY** for all costs incurred by the **CITY** in defense or enforcement of this Contract, or any portion thereof, including court costs and reasonable engineering and attorney's fees.

l. Marketable Title. Prior to recording of the Plat, **PERMITTEE** shall provide the **CITY** with proof of marketable title to the Property, either through a currently certified abstract, registered property abstract or title insurance.

m. Certificate of Occupancy. The term "Certificate of Occupancy" as used in this Contract shall be defined as a document issued by the **CITY'S** Building Official, which authorizes a structure to be used for its intended purposes.

n. Proof of Authority. The **CITY** requires **PERMITTEE** to provide proof of authority by its governing board to execute this Contract. This proof of authority may be satisfied by providing the **CITY** with a certified copy of the minutes of the governing board of **PERMITTEE**.

o. Recording of This Contract. See Section 19(d) above.

p. Violation of This Contract. If **PERMITTEE** fail to perform any of the terms of this Contract, the **CITY** shall be entitled to recover, from **PERMITTEE** or the issuer of its financial guarantee, the full amount of any and all financial guarantees or withhold the Certificate of Occupancy as defined in Section 16(m) above. Breach of any of the terms of this Contract by **PERMITTEE** shall be grounds for denial of a building permit for any portion of the Property still owned by **PERMITTEE**.

q. Contract Binding On Successors and Assigns. This Contract shall be binding upon the parties, and their respective successors and assigns.

r. Letters of Credit. All letters of credit presented as a financial guarantee, if required prior to issuance of a Certificate of Occupancy, shall be first approved as to form and content prior to acceptance by the **CITY**.

20. Requirements for Building Permit and Certificate of Occupancy.

a. No building permit for any lot in the Plat shall be issued until: (a) a Class 5 driving surface is installed to within 300 feet of the proposed structure; (b) a Certificate of Survey, including the survey information required by the **CITY**, has been supplied to the **CITY** Building Official; (c) all the financial guarantees required by the **CITY** have been satisfied; (d) a permit from the Lower Rum River Watershed Management Organization has been obtained; (e) a permit from Anoka County Soil Conservation District has been obtained (if necessary); and (f) this Contract has been signed and received by the **CITY**. A footings and foundation permit for the structure has been waived by prior action of the City Council.

b. No Certificate of Occupancy for any lot in the Plat shall be issued until: (a) vehicular access to the lot is provided, including installation of at least one layer of bituminous surfacing; (b) all utilities are in place, operational and accepted by the **CITY** in accordance with this Agreement; (c) for lots that have a slope of less than 2%, a certificate of grading, prepared by a licensed (State of Minnesota) professional land surveyor, is provided to the **CITY** documenting that the flattest grade on the lot is 1% or greater; and (d) boulevard sod and landscape tree, or escrow for same, have been provided.

c. All improvements included in the Permittee Plans, including amendment required of the City Staff Review Letter dated December 8, 2010 are completed, or financial guarantee in the amount of 150% the City Engineer's estimate of the cost of said improvements is secured in the form of cash escrow or letter of credit for the parking lot and related items.

21. Park Dedication. The Plat is located in the **CITY's** Greenland Hills District. The current park dedication requirement is $4,738 per commercial acre. At the City Council meeting on October 26, 2010, the Council accepted the recommendation of the Park Commission to accept, in full satisfaction of the park dedication requirement for the Plat, fee title to a

4.175 acre Outlot in the Plat. As a condition to the **CITY'S** release of the Plat for recording, **PERMITTEE** shall convey to the **CITY** fee title to the 4.175 acre Outlot C as shown on the proposed Plat, dated November 1, 2010 prepared by Anderson Engineering of Minnesota, LLC. The **CITY** and **PERMITTEE** agree that said Outlot is not being dedicated as park, but being transferred in fee-title to the **CITY**.

22. Trail Development Fees. The current trail development fee is $1,090 per commercial acre. The amount due for the Plat is Fifty Eight Thousand Forty Three Dollars and No Cents ($1,090.00 x 64.26 acres = $70,043.00, less trail credit of $12,000 = **$58,043.00**). The acreage is based on a net developable acreage amount instead of a gross acreage amount. **PERMITTEE's** obligations with respect thereto are provided in the Assessment Agreement, and the actual costs of trail construction of off-site trail improvements payable by **PERMITTEE** pursuant to the Assessment Agreement shall be credited against the trail development fee for the Plat.

23. Water and Sanitary Sewer Connection (Trunk) Fees. The current water connection fee is $8,337 per acre. The current sanitary sewer connection fee is $3,824 per commercial acre. Based on the net acreage amount of 64.26 acres: the total amount due on the 64.26 acre Plat is Seven Hundred Eighty One Thousand Four Hundred Sixty Six Dollars and No Cents ([$8,337.00 x 64.26 acres] + [$3,824.00 x 64.26 acres] = **$781,466.00**). **PERMITTEE's** obligations with respect thereto are provided in the Assessment Agreement, and the actual costs of water and sanitary sewer trunk construction part of the Stage I City Imrovements payable by **PERMITTEE** pursuant to the Assessment Agreement shall be credited against the water connection and sanitary sewer connection fees for the Plat.

24. Water and Sanitary Sewer Lateral Fees. The Property is not subject to standard sanitary sewer and water lateral fees. Water and sanitary sewer imrovements are being constructed pursuant to the Assessment Agreement.

25. Stormwater Management Fee. The current stormwater management fee is $4,465 per commercial acre. The amount due for the Plat is Two Hundred Fifty Thousand Forty and No/100 Dollars ($4,465.00 x 56 acres = **$250,040.00**). The acreage is based on a permeable surface calculation instead of a gross acreage calculation. **PERMITTEE's** obligations with respect thereto are provided in the Assessment Agreement, and the actual costs of stormwater facilities part of the Stage I City Improvements payable by **PERMITTEE** pursuant to the Assessment Agreement shall be credited against the stormwater management fee for the Plat.

26. Future Development Fees. **PERMITTEE** agrees that none of the above fees are being collected for any of the outlots in the Plat, and therefore said outlots are subject to similar fees at a future date when such outlots are subdivided for development.

27. Trail Construction. Trails are being paid pursuant to the Assessment Agreement and constructed by the City in accordance with the plans prepared by WSB and Associates and dated April 28, 2011 as amended.

28. Easements. **PERMITTEE** shall be responsible for drafting and recording easements for all trails and sidewalks on private property. Said easements shall be executed prior to the **CITY** releasing the Plat for recording and shall be recorded at the same time as the Plat.

29. Maintenance Agreement. **PERMITTEE** shall be responsible for drafting and recording a maintenance agreement for on-site stormwater improvements, subject to review and approval of the City Engineer.

30. Notices. All notices required or permitted by this Contract to be given to a party shall be in writing, and shall be either personally delivered or mailed by certified or registered mail to such party at the following address or such other address as such party shall specify in a notice to the other party:

Hageman Holdings, LLC
13200 43rd Street NE
St. Michael, MN 55376-8420

City Administrator
City of Ramsey
7550 Sunwood Dr NW
Ramsey, MN 55303

City of Ramsey

By: _____
Its Mayor

By: _____
Its City Administrator

Hageman Holdings, LLC

By: Mike Hageman_____
Its: Chief Manager_____

STATE OF MINNESOTA)
)ss.
COUNTY OF ANOKA)

On this 20th day of May, 2011, before me a Notary Public within and for said County, personally appeared Bob Ramsey and Kurtis G. Ulrich, to me personally known, who each by me duly sworn, each did say that they are respectively the Mayor and the City Clerk of Ramsey, the municipal corporation named in the foregoing instrument, and that the seal affixed to said instrument was signed and sealed in behalf of said municipality by authority of its City Council and said Mayor and City Clerk acknowledged said instrument to be the free act and deed of said municipal corporation.

_____
Notary Public

JOANN THIELING
Notary Public
Minnesota
My Commission Expires January 31, 2015

STATE OF MINNESOTA)
)ss.
COUNTY OF Wright)

The foregoing instrument was acknowledged before me this 20th day of May, 2011, by Mike Hageman the Chief Manager of Hageman Holdings, LLC, a Minnesota limited liability company, on behalf of the limited liability company.

JANE M. MILLER
Notary Public-Minnesota
My Commission Expires Jan 31, 2015

_____
Notary Public

This Document Drafted By:
City of Ramsey
7550 Sunwood Dr NW
Ramsey, MN 55303

This Document Reviewed By:
Randall and Goodrich
2140 4th Avenue
Anoka, MN 55303

Exhibit A
Assessment Agreement

THIS ASSESSMENT AGREEMENT (this "Agreement") is made this 20th day of May, 2011, by and between **City of Ramsey**, a Minnesota municipal corporation (the "City") with offices at 7550 Sunwood Drive N.W., Ramsey, Minnesota 55303, and **Hageman Holdings, LLC**, a Minnesota limited liability company ("Owner") having an address of 13200 43rd St. NE, St. Michael, MN 55376, and is based on the following facts:

A. Owner is the owner of fee title the Property, as defined in the Development Contract.

B. Owner has applied to the City for approval of a subdivision of the Property into Lot 1, Block 1, and Outlots A, B, C and D, Alpha Development, Anoka County, Minnesota, pursuant to the plat of Alpha Development (the "Plat").

C. The City has approved the Plat subject to certain conditions as specified in that certain Development Contract between the City and Owner, dated May 19, 2011 (the "Development Contract").

D. The Development Contract contemplates that the City and Owner will enter into this Agreement.

NOW, THEREFORE, in consideration of the facts stated above, the mutual promises and agreements set forth below, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged by the City and Owner, the parties hereby agree as follows:

1. Recitals Incorporated. The facts stated above are hereby incorporated into this Agreement and made a part of this Agreement by this reference.

2. Definitions. Capitalized terms used but not defined in this Agreement are defined as provided in the Development Contract.

3. Assessment. A special assessment (the "Assessment") is hereby levied against the Property under Minnesota Statutes Chapter 429 in an amount (the "Aggregate Assessment Amount") equal to the amount of the "Project Costs" of the Stage I City Improvements as defined in the Development Contract. For purposes of this Agreement, "Project Costs" means the actual total cost of the Stage I City Improvements including: 1) 5% contingency, 2) 16% for for construction engineering and administration fees, and; 3) trunk fees. The Aggregate Assessment Amount shall not exceed $1,701,077.34, and the assessment shall be allocated to and levied against portions of the Property created by the Plat as follows:

Parcel Description	Area	Allocation %	Assessment Amount
Lot 1, Block 1	86.436 acres	60%	$1,014,006.34
Outlot B	45.196 acres	33%	$563,751.00
Outlot D	9.621 acres	7%	$123,320.00
Total			**$1,701,077.34**

The composition of the maximum amount of Project Costs is set forth as listed below:

Estimated Improvement Costs	
Street and Trail Improvement - Bunker Lake Extension	$429,133.32
Drainage Improvements - Bunker Lake	$113,176.31
Sanitary Sewer - Bunker Lake	$135,096.73
Watermain Extension - Bunker Lake Blvd.	$246,717.05
Puma Street Surfacing & Trail	$247,351.74
Sub-total	$1,171,475.15
5% Contingency	$58,573.76
Sub-total	**$1,230,048.91**
Engineering Costs	
Developer Construction Engineering Fee	$64,363.59
Design Engineering Fee	$85,000.00
3% for City Construction Administration	$35,144.25
Sub-total	**$184,507.84**
Allocation of Development Fees	
Sanitary Sewer Trunk Fee	$70,374.44
Stormwater Trunk Fee	$103,137.15
Water Trunk Fee	$215,497.27
Trail Development Fee	$58,043.00
Sub-total	**$447,051.86**
Dirt Road Elimination Program	($160,531.28)
Grand Total	**$1,701,077.34**

4. Waiver by Owner. The Assessments levied under Section 3 above shall be deemed adopted on the date this Agreement is signed by the City. Owner, by signing this Agreement, acknowledges that the Property is benefited by the Stage I City Improvements in an amount at least equal to the amount of the Project Costs, and hereby unconditionally waives all

procedural and substantive objections to the Assessment, including without limitation any right to a hearing and any right to appeal the levying of the Assessment.

5. Payment of Lot 1, Block 1 Assessment. The Assessment for Lot 1, Block 1 of the Plat shall be payable in equal semi-annual installments over a period of twenty (20) years, the first installment of which shall be due not sooner than October 15, 2012. The fixed interest rate applied to the Assessment shall be: (a) if the City elects to finance the Project Costs internally, a fixed rate not greater than two percent (2%) per annum in excess of the "prime rate" as published in *The Wall Street Journal* on the date of this Agreement; or (b) if the City elects to finance Project Costs through issuance of bonds (the "Bonds"), the fixed rate payable on the Bonds plus any discount and costs of issuance of the Bonds actually payable by the City, not to exceed two percent (2%) of the aggregate amount of the Bonds.

6. Deferred Assessments. The Assessments for Outlots B and D of the Plat shall be payable in equal semi-annual installments over a period of twenty (20) years, the first installment of which shall be due not sooner than May 15, 2015, except that if Owner conveys either of said outlots to a party unaffiliated with Owner, the due date of the first installment of the Assessments for that outlot may be accelerated by the City to the May 15 next succeeding the date of such conveyance. The interest rate on the Assessments levied against Outlots B and D shall be the same as the interest rate specified in Section 5 above. Said interest will accrue beginning on the date of the bond sale.

7. Counterparts. This Agreement may be executed in multiple counterparts, each of which shall be an original, but all of which together shall constitute a single agreement.

CITY OF RAMSEY

By: _____
Its: Mayor

ATTEST

By: _____
Its: City Administrator

STATE OF MINNESOTA)
) ss.
COUNTY OF ANOKA)

The foregoing instrument was acknowledged before me this ____ day of _____, 2011, by Bob Ramsey and Kurtis G. Ulrich, the Mayor and City Administrator, respectively, of City of Ramsey, a Minnesota municipal corporation pursuant to the authority granted by its City Council.

_____
Notary Public

HAGEMAN HOLDINGS, LLC

By: _____
Its: _____

STATE OF MINNESOTA)
) SS.
COUNTY OF _____)

On this _____ day of _____, 2011, before me a Notary Public within and for said County, personally Mike Hageman, to me personally known, who each by me duly sworn, did say that he is the Chief Manager of Hageman Holdings, LLC, a limited liability corporation under the laws of the State of Minnesota, acknowledged said instrument to be the free act and deed of said corporation.

_____
Notary Public

THIS INSTRUMENT WAS DRAFTED BY:
Moss & Barnett (JLW)
A Professional Association
4800 Wells Fargo Center
90 South Seventh Street
Minneapolis, MN 55402-4129

ANOKA COUNTY MINNESOTA

Document No.: 2022343.005 ABSTRACT

I hereby certify that the within instrument was filed in this office for record on: 05/23/2011 8:50:00 AM

Fees/Taxes In the Amount of: $46.00

LARRY W. DALIEN

Anoka County Property Tax Administrator/Recorder/Registrar of Titles

MDT, Deputy

Delinquent Taxes Certified

Transfer Entered

Record ID: 2405763

ANOKA COUNTY MINNESOTA

Document No: 2160375.002 ABSTRACT

I hereby certify that the within instrument was filed in this office for record on 01/10/2017 03:57:44 PM

Fees/Taxes in the amount of: $46.00

Jonell M. Sawyer Deputy: Pam LeBlanc

Anoka County Property Tax Administrator/Recorder/Registrar of Titles

Record ID: 3984570

CITY OF RAMSEY
AMENDED AND RESTATED DEVELOPMENT CONTRACT (PARTIAL RELEASE)
FOR ALPHA DEVELOPMENT

This Amended and Restated Development Contract (Partial Release) for Alpha Development (this "Agreement") is dated this 13 day of December, 2016, and is by and between the **CITY OF RAMSEY**, a Minnesota municipal corporation (the "**CITY**"), and Hageman Holdings, LLC ("**PERMITTEE**"), a Minnesota limited liability company having an address for purposes of this Contract of 13200 43rd St. NE, St. Michael, MN 55376.

WHEREAS, PERMITTEE is the owner of fee title to land situated within the city limits of the City, Anoka County, Minnesota, legally described as follows (the "Property"):

> Lot 1, Block 1, and Outlots A, B, and D, ALPHA DEVELOPMENT, according to the recorded plat thereof.

WHEREAS, the **CITY** and the **PERMITTEE** are party to a Development Contract, dated May 20, 2011, recorded in the office of the County Recorder in and for Anoka County, Minnesota on May 23, 2011 as Document No. 2022343.005 (the "Original Development Contract"), which the City required as a condition to its approval of the plat of ALPHA DEVELOPMENT, Anoka County, Minnesota (the "Plat").

WHEREAS, pursuant to the Original Development Contract and as a further condition to the City's approval of the Plat, the **CITY** and **PERMITTEE** are party to an Assessment Agreement, dated May 20, 2011, recorded in the office of said County Recorder on May 23, 2011 as Document No. 2022343.006 (the "Assessment Agreement"), and a Storm Water Treatment and Ponding Maintenance Agreement, dated May 20, 2011, recorded in the office of said County Recorder on May 23, 2011 as Document No. 2022343.008 (the "Maintenance Agreement").

WHEREAS, pursuant to the Original Development Contract, the **CITY** required certain public improvements be completed with respect to certain of the Property, more particularly described in the Original Development Contract and defined as the "Stage I City Improvements" and the "Stage I Permittee Improvements" in the Original Development Contract, all of which have been completed.

WHEREAS, the **PERMITTEE** proposed the construction of various private improvements on the Property (the "Private Improvements") that have not been completed, but were contemplated by the Original Development Contract.

NOW, THEREFORE, the **CITY** and **PERMITTEE** agree as follows:

1. Recitals Incorporated. The factual recitals stated above are hereby incorporated into and made a part of this Agreement.

Commercial Partners Title, LLC
200 South Sixth Street
Suite 1300
Minneapolis, MN 55402

51735

2013

MM

2. Amendment and Restatement. This Agreement amends and restates the Original Development Contract in its entirety with the intent and legal effect that the amended and restated terms hereof shall replace the terms of the Original Development Contract. **PERMITTEE** shall have no obligations under the Original Development Contract except as expressly provided in this Agreement, the Assessment Agreement and the Maintenance Agreement

3. Assessment Agreement and Maintenance Agreement. All references in the Assessment Agreement or the Maintenance Agreement to the Original Development Contract are hereby amended to refer to the Original Development Contract, as amended and restated by this Agreement. Except as provided in the preceding sentence, the Assessment Agreement and the Maintenance Agreement shall remain in full force and effect.

4. Development Fees. The **PERMITTEE** or its successors in title to the Property is responsible for the repayment of certain development fees. Said fees were satisfied by, and are to repaid through, special assessments outlined in the Assessment Agreement. The **CITY** will release this section of this Agreement when the terms of the associated Assessment Agreement are completed.

   a. Park Dedication. The Plat is located in the **CITY's** Greenland Hills District. The **CITY** acknowledges that **PERMITTEE** has satisfied the park dedication requirement for Lot 1, Block 1 of the Plat by conveying to the **CITY** Outlot C of the Plat.

   b. Trail Development Fees. The current trail development fee is $1,090 per commercial acre. The amount due for Lot 1, Block 1 of the Plat is Fifty Eight Thousand Forty Three Dollars and No Cents ($1,090.00 x 64.26 acres = $70,043.00, less trail credit of $12,000 = **$58,043.00**). The acreage is based on a net developable acreage amount instead of a gross acreage amount. **PERMITTEE's** obligations with respect thereto are provided in the Assessment Agreement, and the actual costs of trail construction of off-site trail improvements payable by **PERMITTEE** pursuant to the Assessment Agreement shall be credited against the trail development fee for the Plat.

   c. Water and Sanitary Sewer Connection (Trunk) Fees. The current water connection fee is $8,337 per acre. The current sanitary sewer connection fee is $3,824 per commercial acre. Based on the net acreage amount of 64.26 acres: the total amount due on Lot 1, Block 1 of the Plat is Seven Hundred Eighty One Thousand Four Hundred Sixty Six Dollars and No Cents ([$8,337.00 x 64.26 acres] + [$3,824.00 x 64.26 acres] = **$781,466.00**). **PERMITTEE's** obligations with respect thereto are provided in the Assessment Agreement, and the actual costs of water and sanitary sewer trunk construction that is part of the Stage I City Improvements (as such term was defined in the Original Development Agreement) payable by **PERMITTEE** pursuant to the Assessment Agreement shall be credited against the water connection and sanitary sewer connection fees for the Plat.

d. Water and Sanitary Sewer Lateral Fees. The Property is not subject to standard sanitary sewer and water lateral fees. Water and sanitary sewer improvements are being constructed pursuant to the Assessment Agreement.

e. Stormwater Management Fee. The current stormwater management fee is $4,465 per commercial acre. The amount due for Lot 1, Block 1 of the Plat is Two Hundred Fifty Thousand Forty and No/100 Dollars ($4,465.00 x 56 acres = **$250,040.00**). The acreage is based on a permeable surface calculation instead of a gross acreage calculation. **PERMITTEE's** obligations with respect thereto are provided in the Assessment Agreement, and the actual costs of stormwater facilities part of the Stage I City Improvements (as such term was defined in the Original Development Agreement) payable by **PERMITTEE** pursuant to the Assessment Agreement shall be credited against the stormwater management fee for the Plat.

f. Future Development Fees. **PERMITTEE** agrees that, except as otherwise provided in the Assessment Agreement, none of the above fees are being collected for any of Outlots A, B or D in the Plat, and therefore said outlots are subject to similar fees at a future date when such outlots are subdivided for development, but such fees shall not be duplicative of fees assessed to Outlots A, B and D pursuant to the Assessment Agreement.

5. Miscellaneous.

a. Proof of Authority. The **CITY** requires **PERMITTEE** to provide proof of authority by its governing board to execute this Agreement. This proof of authority may be satisfied by providing the **CITY** with a certified copy of the minutes of the governing board of **PERMITTEE**.

b. Contract Binding On Successors and Assigns. This Agreement shall be binding upon the parties, and their respective successors and assigns.

6. Requirements for Issuance of Building Permits within the Plat.

a. The **PERMITTEE** shall enter into a new development agreement for private improvements per City Code Section 117-54. The **PERMITTEE** shall be responsible for installing improvements required by Chapter 117 in effect at the time of approval.

b. The **PERMITTEE** shall not be in default of amounts owing under the Assessment Agreement.

7. Notices. All notices required or permitted by this Agreement to be given to a party shall be in writing, and shall be either personally delivered or mailed by certified or registered mail to such party at the following address or such other address as such party shall specify in a notice to the other party:

Hageman Holdings, LLC
13200 43rd Street NE
St. Michael, MN 55376-8420

City Administrator
City of Ramsey
7550 Sunwood Dr NW
Ramsey, MN 55303

CITY OF RAMSEY

By: _____
Its: Mayor

ATTEST

By: _____
Its: City Administrator

STATE OF MINNESOTA)
) ss.
COUNTY OF ANOKA)

The foregoing instrument was acknowledged before me this 12th day of December, 2016, by Sarah Strommen and Kurtis G. Ulrich, the Mayor and City Administrator, respectively, of City of Ramsey, a Minnesota municipal corporation pursuant to the authority granted by its City Council.

JOANN THIELING
Notary Public
Minnesota
My Commission Expires January 31, 2020

_____
Notary Public

HAGEMAN HOLDINGS, LLC

By: _____
Its: Chief Manager

STATE OF MINNESOTA)
) SS.
COUNTY OF Wright)

On this 7th day of December, 2016, before me a Notary Public within and for said County, personally Mike Hageman, to me personally known, who each by me duly sworn, did say that he is the Chief Manager of Hageman Holdings, LLC, a limited liability corporation under the laws of the State of Minnesota, acknowledged said instrument to be the free act and deed of said corporation.

_____
Notary Public

CYNTHIA ROSE TORGERSON
NOTARY PUBLIC - MINNESOTA
MY COMMISSION EXPIRES 1/31/17

This Document Drafted By:
City of Ramsey
7550 Sunwood Dr NW
Ramsey, MN 55303

This Document Reviewed By:
Ratwik, Roszak, and Maloney, P.A.
300 S 4th St → 730 2ND AVE South
Minneapolis, MN 55415

Record ID 2405767

2022343.008

(Reserved for Recording Data)

STORM WATER TREATMENT AND PONDING MAINTENANCE AGREEMENT

THIS STORM WATER TREATEMENT AND PONDING MAINTENANCE AGREEMENT (this "Agreement") is made this 20 day of May, 2011, by and between the **CITY OF RAMSEY**, a Minnesota municipal corporation (hereinafter referred to as the "City") and **HAGEMAN HOLDINGS, LLC** a Minnesota limited liability company having an address for purposes of this Agreement of 13200 43rd Street N.E., St. Michael, MN 55376 (hereinafter referred to as the "Developer").

WHEREAS, the Developer is the fee owner of certain real property situated in the City of Ramsey, County of Anoka, State of Minnesota legally described as Lot 1, Block 1, and Outlots A, B, C and D, ALPHA DEVELOPMENT, according to the recorded plat thereof (the "Property"); and

WHEREAS, a private school campus ("Legacy Christian Academy") is proposed to be constructed on said Lot 1, Block 1 ("Lot 1"), and the City has required that the Developer make provisions for the construction, maintenance and repair of a storm water management system that utilizes (among other things) infiltration areas, sump manholes, storm sewer pipes, and ponding facilities ("Storm Water Management Practices") located within the Property, as shown on **Exhibit "A"** attached hereto and as the same are described and depicted in those certain construction plans drawn by Anderson Engineering of Minnesota, LLC (the "Plans"); and

WHEREAS, the Storm Water Management Practices are sufficient to serve portions of the Property in addition to Lot 1; and

WHEREAS, the City approved the Legacy Christian Academy conditioned on the requirement that the Developer enter into an agreement for the maintenance of the Storm Water Management Practices within the Property; and

Commercial Partners Title, LLC
200 South Sixth Street
Suite 1300
Minneapolis, MN 55402
33236 (A) 8/10

WHEREAS, the City and Developer desire to set forth their understanding with respect to the construction, repair and maintenance of the Storm Water Management Practices and the responsibility relating to the costs of the repair and maintenance of the Storm Water Management Practices.

NOW THEREFORE, in consideration of the foregoing facts and circumstances, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the parties hereto agree as follows:

1. Construction of the Storm Water Management Practices. The Developer shall construct the Storm Water Management Practices according to the Plans.

2. Maintenance of the Storm Water Management Practices. The owners from time to time of fee title to the various parcels included in the Property (collectively, the "Owners") shall repair and maintain the Storm Water Management Practices at no expense to the City. The Owners, by duly recorded agreement, may allocate between or among themselves their respective shares of the costs of such repair and maintenance, based on the relative benefits received by each parcel included in the Property or otherwise, but until otherwise provided in any such agreement the Owner of Lot 1 shall be solely responsible for such repair and maintenance and the costs thereof. Maintenance of the Storm Water Management Practices shall include, but not be limited to:

(i) Semi-annual inspections of all sump manholes and pond outfalls (flared end sections), with one in each spring (to remove debris, winter salt and sand deposits, etc.), and autumn (to remove vegetation, sediment, debris, leaves, etc.). If necessary, corrective actions, including removal of all litter and debris, and replacement of mulch, vegetation, and eroded areas to ensure establishment of healthy functioning plant-life therein, shall be executed. Such inspections and corrective actions shall be documented in a maintenance log retained by the Owners and submitted to the City upon request; and

(ii) Bi-annual inspections and certifications by a professional engineer (provided by the Owners) that the Storm Water Management Practices are functioning in accordance with the Plans, and the ponding facilities have maintained the proper operation of storm water treatment in accordance with City and Lower Rum River Watershed Management Organization standards. Copies of the bi-annual inspection reports shall be provided to the City within 30 days of their preparation.

If, as a result of any inspection by the Owners or City staff, it is determined that the Storm Water Management Practices (i) have not been maintained, or (ii) are not functioning as originally designed and intended, or (iii) are in need of repair, the Owners shall restore the Storm Water Management Practices so that they function as they were originally designed and intended pursuant to the Plans.

The Developer, for itself and the Owners from time to time, agrees to be solely responsible for the repair and maintenance of the Storm Water Management Practices and the Owners shall bear all costs of such maintenance. The Owners from time to time shall be

responsible for the obligations of the Developer under this Agreement, and each such Owner shall be responsible for its proportionate share of the obligations of the Developer under this Agreement only while it is an Owner. If the Owners do not undertake the necessary maintenance within thirty (30) days of notification by the City, the City may contract such maintenance, and the costs reasonably incurred by the City for contracting such maintenance shall be reimbursed to the City by the Owners whose parcels in the Property are entitled to the benefits of the Storm Water Management Practices.

2. Assessment. The Developer, for itself and the Owners from time to time, hereby waives any statutory right to contest any assessment by the City for its costs of maintenance/repair as permitted herein, on the basis of the benefit to portions of the Property.

3. Future City Policy. Notwithstanding anything contained in this Agreement to the contrary, in the event the City shall in the future establish a policy for repair and maintenance by the City of storm water management practices owned by private parties located elsewhere in the City under which policy the costs of such repair and maintenance are to be paid either out of general City revenues or by collection of utility or service fees or charges, the Owner of Lot 1 shall be entitled to petition the City for the inclusion of the Storm Water Management Practices under such repair and maintenance program. The recording of a certified copy of the resolution of the City Council of the City which sets forth the consent and authorization described in the foregoing sentence shall serve to terminate this Agreement, without further action on the part of any party hereto.

4. Terms and Conditions. The terms and conditions of this Agreement shall be binding upon, and shall inure to the benefit of, the parties hereto and their respective successors and assigns. This Agreement shall be recorded in the Anoka County, Minnesota Recorder's office at Developer's expense.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed as of the day and year first above written.

CITY OF RAMSEY:

By: _____
Its: Mayor

By: _____
Its: City Administrator

HAGEMAN HOLDINGS, LLC:

By: _____
Its: Chief Manager

STATE OF MINNESOTA)
)ss.
COUNTY OF Anoka)

The foregoing instrument was acknowledged before me this 20th day of May, 2011, by Bob Ramsey and by Kurt Ulrich, respectively the Mayor and City Administrator of the City of Ramsey, a Minnesota municipal corporation, on behalf of the corporation and pursuant to the authority granted by its City Council.

Notary Public

JOANN THIELING
Notary Public
Minnesota
My Commission Expires January 31, 2015

STATE OF MINNESOTA)
)ss.
COUNTY OF Wright)

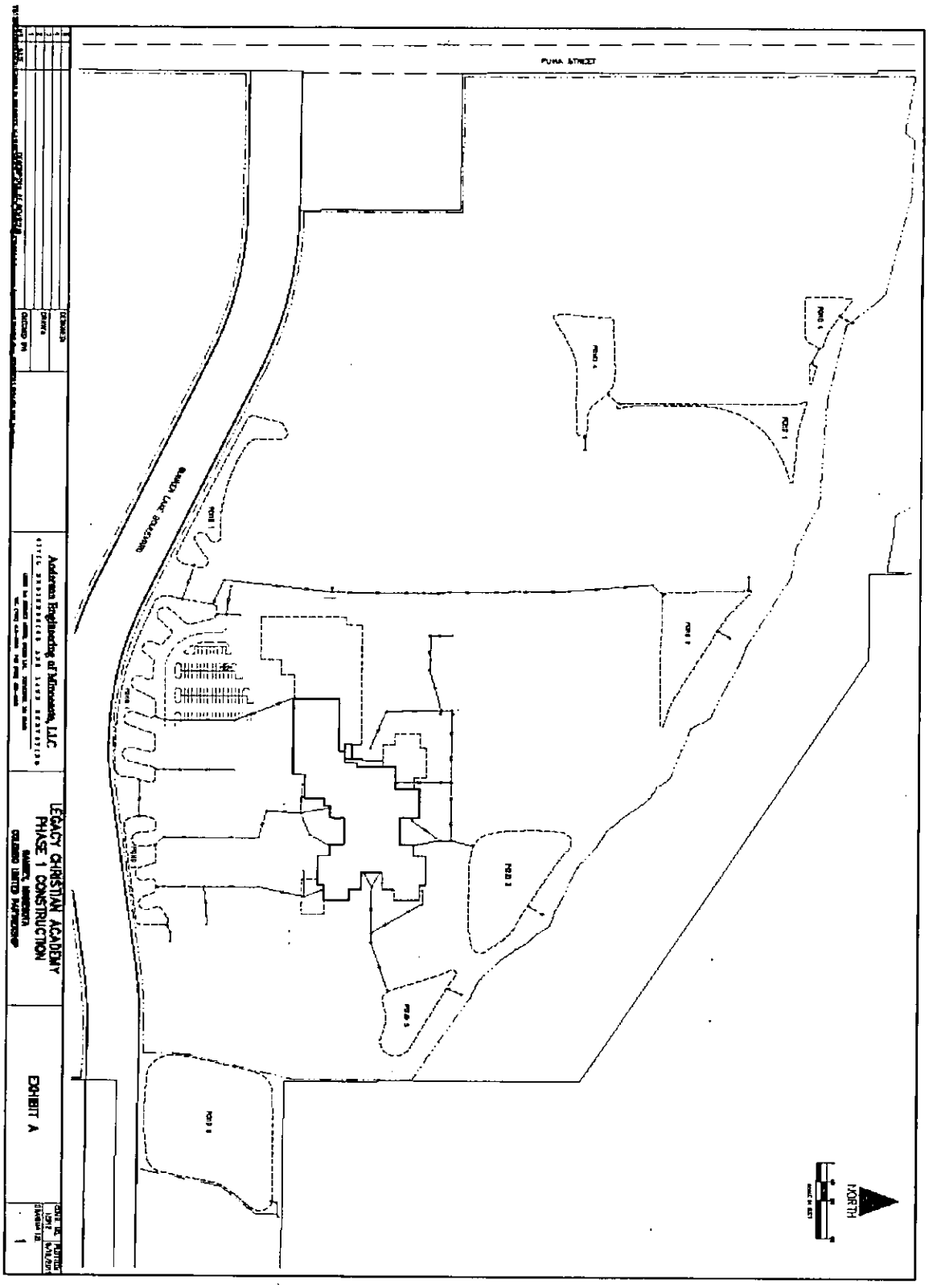
The foregoing instrument was acknowledged before me this 20th day of May, 2011, by Michael D. Hageman, the Chief Manager of Hageman Holdings, LLC, a Minnesota limited liability company, on behalf of the limited liability company.

JANE M. MILLER
Notary Public-Minnesota
My Commission Expires Jan 31, 2015

Notary Public

Drafted by:
Moss + Barnett
4800 Wells Fargo Center
90 S. 7th St.
Minneapolis MN 55402

EXHIBIT "A"



1795481v2

ANOKA COUNTY MINNESOTA

Document No.: 2022343.008 ABSTRACT

I hereby certify that the within instrument was filed in this office for record on: 05/23/2011 8:50:00 AM

Fees/Taxes In the Amount of: $46.00

LARRY W. DALIEN

Anoka County Property Tax

Administrator/Recorder/Registrar of Titles

MDT, Deputy

Delinquent Taxes Certified

Transfer Entered

Record ID: 2405767

RELEASE OF DEVELOPMENT CONTRACT

Date: March 9, 2021

The City of Ramsey, a Minnesota municipal corporation (the "City") hereby releases that certain real property which is legally described as follows:

Outlot B, Alpha Development, Anoka County, Minnesota

(the "Property") from the following:

1. That certain Development Contract by and between the City and Hageman Holdings, LLC dated May 20, 2011 and filed May 23, 2011 as Document No. 2022343.005 in the office of the Anoka County Recorder (the "Development Contract"); and

2. That certain Amended and Restated Development Contract by and between the City and Hageman Holdings, LLC dated December 13, 2016 and filed on January 10, 2017 as Document No. 2160375.002 in the office of the Anoka County Recorder (the "Amended and Restated Development Contract").

THE CITY OF RAMSEY

By: _____
Its Mayor

And By: _____
Its City Administrator

STATE OF MINNESOTA)
)ss.
COUNTY OF ANOKA)

The foregoing Release was acknowledged before me this _____ day of _____, 2021, by Mark E Kuzma, the Mayor and Kurtis G. Ulrich, the City Administrator, respectively, of the City of Ramsey, a Minnesota municipal corporation, on behalf of the City.

_____
Notary Public

This instrument drafted by:
City of Ramsey
7550 Sunwood Dr. N.W.
Ramsey, MN 55303

This instrument reviewed by:
Ratwick, Roszak, and Maloney
730 2nd Ave S #300
Minneapolis, MN 55402

RELEASE OF STORM WATER TREATMENT AND PONDING MAINTENANCE AGREEMENT

Date: March 9, 2021

The City of Ramsey, a Minnesota municipal corporation (the "City") hereby releases that certain real property which is legally described as follows:

Outlot B, Alpha Development, Anoka County, Minnesota

(the "Property") from the following:

1. That certain Development Contract by and between the City and Hageman Holdings, LLC dated May 20, 2011 and filed May 23, 2011 as Document No. 2022343.008 in the office of the Anoka County Recorder (the "Storm Water Treatment and Ponding Maintenance Agreement").

THE CITY OF RAMSEY

By: _____
Its Mayor

And By: _____
Its City Administrator

STATE OF MINNESOTA)
)ss.
COUNTY OF ANOKA)

The foregoing Release was acknowledged before me this _____ day of _____, 2021, by Mark E Kuzma, the Mayor and Kurtis G. Ulrich, the City Administrator, respectively, of the City of Ramsey, a Minnesota municipal corporation, on behalf of the City.

_____
Notary Public

This instrument drafted by:
City of Ramsey
7550 Sunwood Dr. N.W.
Ramsey, MN 55303

This instrument reviewed by:
Ratwick, Roszak, and Maloney
730 2nd Ave S #300
Minneapolis, MN 55402

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

RESOLUTION #21-063

RESOLUTION APPROVING RELEASE OF MULTIPLE AGREEMENTS FOR OUTLOT B ALPHA DEVELOPMENT

RECITALS

1. The City of Ramsey, herein referred to as the "City," has approved a development contract for the property known as Outlot B, Alpha Development, Anoka County, MN.

2. The Subject Property is hereby released from the terms and conditions of that certain Development Contract by and between the City and Hageman Holdings, LLC dated May 20, 2011 and filed May 23, 2011 as Document No. 2022343.005 in the office of the Anoka County Recorder (the "Development Contract").

3. The Subject Property is hereby released from the terms and conditions of that certain Amended and Restated Development Contract by and between the City and Hageman Holdings, LLC dated December 13, 2016 and filed on January 10, 2017 as Document No. 2160375.002 in the office of the Anoka County Recorder (the "Amended and Restated Development Contract").

4. The Subject Property is hereby released from the terms and conditions of that certain Development Contract by and between the City and Hageman Holdings, LLC dated May 20, 2011and filed May 23, 2011 as Document No. 2022343.008 in the office of the Anoka County Recorder (the "Storm Water Treatment and Ponding Maintenance Agreement").

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

1. That the City, subject to City Attorney review, approves:

    a. Release from the Development Contract, Amended and Restated Development Contract, and the Storm Water Treatment and Ponding Maintenance Agreement.

That 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:

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 9th of March, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session **5. 9.**

Meeting Date: 03/09/2021

By: Chloe McGuire Brigl, Community Development

Information

Title:

Adopt Resolution #21-065 Approving Final Version of Preliminary Plat in Regard to Density Transition and Tree Preservation for Northfork Meadows, Case of Lennar (20-135)

Purpose/Background:

The purpose of this case is to provide an update to the City Council on the outcome of their motion from a previous meeting for Lennar (the "Applicant") to work with the adjacent property owners on the landscaping and density transitioning plan for the Preliminary Plat of Northfork Meadows. The Subject Property is located east of Puma/Okapi Street and south of Alpine Dr and is approximately 33 acres. Since this is a large contingency of approval including members of the public, Staff wanted to circle back with Council to update.

Notification:

The City attempted to notify Property Owners, as reflected in the Anoka County Property Records, within 700 feet of the Subject Property of the request. The Public Hearing Notice for the January Planning Commission meeting was also properly posted in the Anoka County UnionHerald, the City's Official Newsletter. No additional notification was provided for this meeting.

Observations/Alternatives:

Summary

The Preliminary Plat was approved in February 2021 by the City Council with contingencies to work with the neighboring property owners on the landscaping. Since the previous meeting, City Staff has met with property owners adjacent to the project via zoom and onsite. The Applicant joined on the zoom call and discussed options with neighbors. On March 1, 2021, City Staff walked the property line with the neighbors to discuss options for including the berm and saving existing trees. The property owners were open to the berm, if trees on their own properties, or partially on their own properties, could be saved. The City cannot approve removal on privately owned property, so both City Staff, the Applicant, and adjacent properties owners are on the same page. Staff appreciates the time that neighbors have dedicated to this project.

The project will be moving forward with the proposed berm onsite while saving trees that are straddling shared property lines.

Funding Source:

The Applicant is responsible for all costs associated with project review.

Recommendation:

The City Council previously approved the preliminary plat with a contingency to work with adjacent property owners to see if additional trees could be saved onsite, this case is to remove that contingency from the project and move into formal approval.

Action:

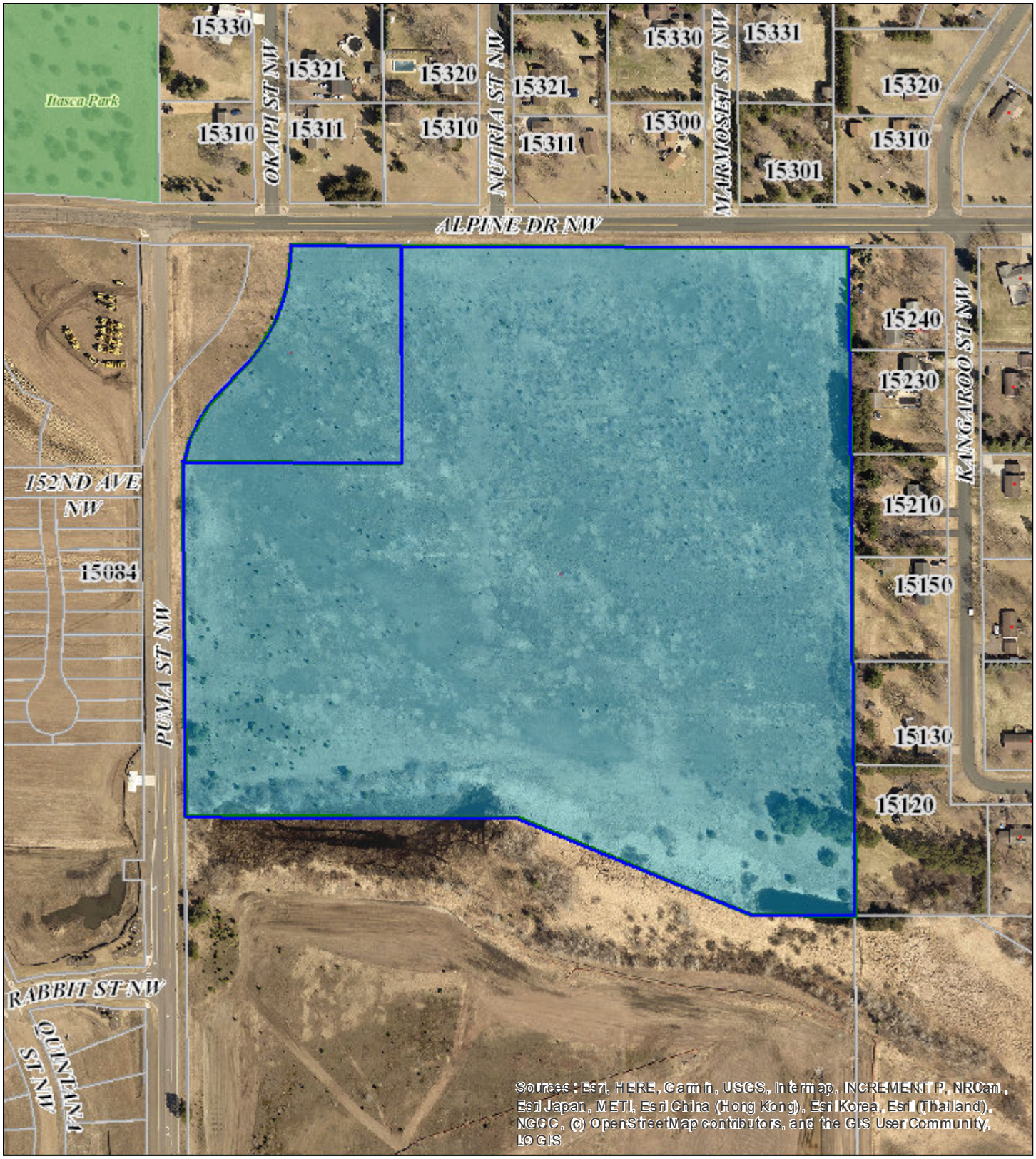
Motion to adopt Resolution #21-065 approving final version of Preliminary Plat and resolution in regard to density transition and tree preservation for Northfork Meadows.

Attachments

Site Location Map
Preliminary Plat Sheet
Plan Set
February 8, 2021 City Council Minutes
Resolution #21-265

Form Review

Inbox	Reviewed By	Date
Tim Gladhill	Tim Gladhill	03/04/2021 10:27 AM
Tim Gladhill	Tim Gladhill	03/04/2021 12:05 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:08 PM
Tim Gladhill	Tim Gladhill	03/04/2021 02:21 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 04:01 PM
Form Started By: Chloe McGuire Brigl		Started On: 03/03/2021 09:56 AM
Final Approval Date: 03/04/2021		



Site Location Map

Northfork Meadows

Legend

Site

Parcels

N

October 20th, 2020

0 0.075 0.15 mi

NORTH FORK MEADOWS

EXISTING LEGAL DESCRIPTION:
(per client)

Outlot A, ALPHA DEVELOPMENT, Anoka County, Minnesota

AND

Outlot B, ALPHA DEVELOPMENT 2ND ADDITION, Anoka County, Minnesota

OWNERS / DEVELOPERS:
Lennar Corporation
16305 36th Avenue North
Plymouth, MN 55446
952-373-0485

SURVEYOR:
ISG
7900 International Drive Suite 550
Minneapolis, MN 55425
952-426-0699

AREA TABLE:
Outlot A, ALPHA DEVELOPMENT = 1,328,912 sq. ft. - 30.51 acres
Outlot B, ALPHA DEVELOPMENT 2ND ADDITION = 126,690 sq. ft. - 2.91 acres
Total = 1,455,602 sq. ft. - 33.42 acres

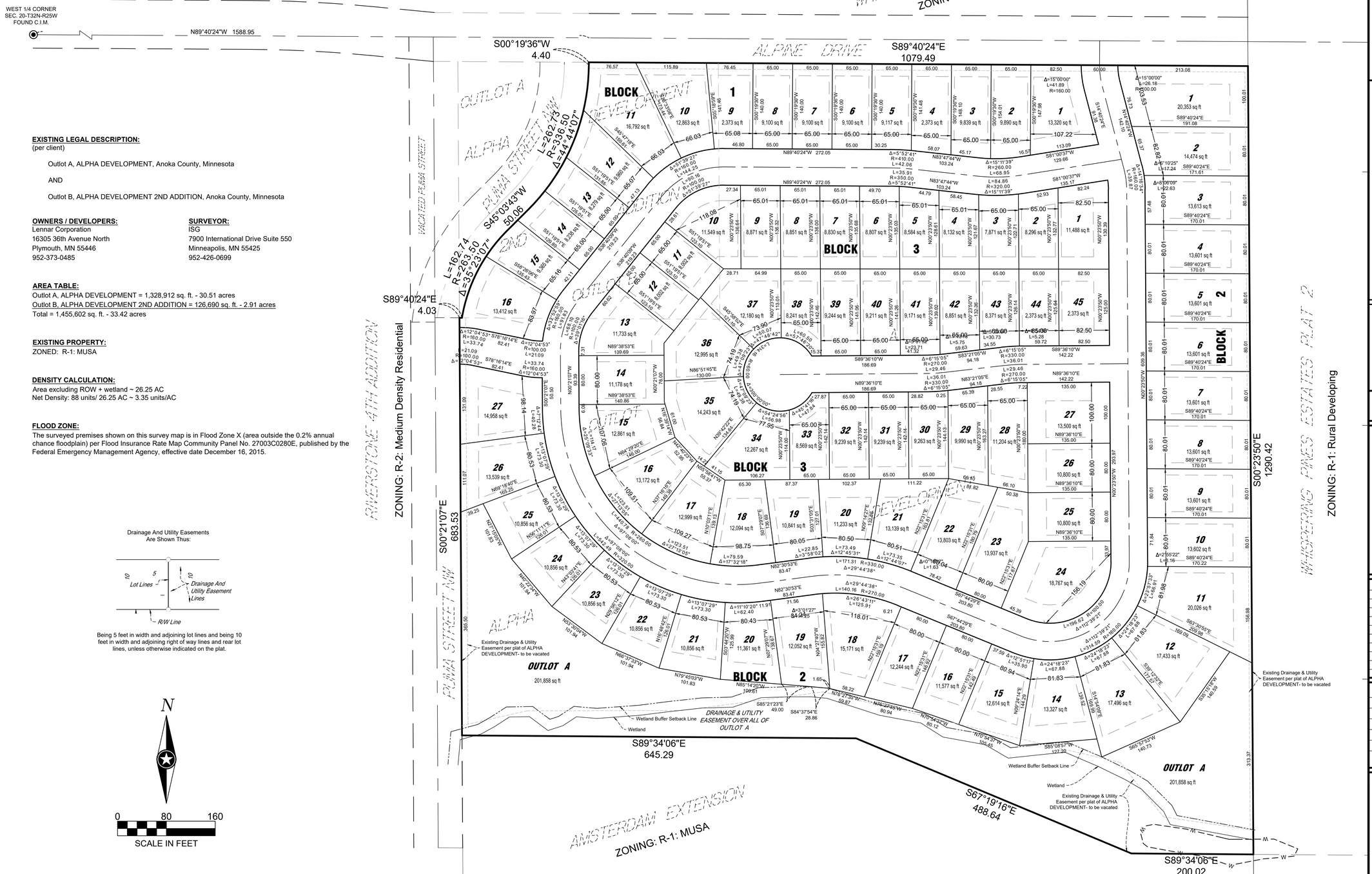
EXISTING PROPERTY:
ZONED: R-1: MUSA

DENSITY CALCULATION:
Area excluding ROW + wetland ~ 26.25 AC
Net Density: 88 units/ 26.25 AC ~ 3.35 units/AC

FLOOD ZONE:
The surveyed premises shown on this survey map is in Flood Zone X (area outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map Community Panel No. 27003C0280E, published by the Federal Emergency Management Agency, effective date December 16, 2015.

Drainage And Utility Easements
Are Shown Thus:

Being 5 feet in width and adjoining lot lines and being 10 feet in width and adjoining right of way lines and rear lot lines, unless otherwise indicated on the plat.



I HEREBY CERTIFY THAT THIS SURVEY, PLAN, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

MARK A. SCHWANZ

DATE _____ LIC. NO. 45817

THIS DOCUMENT IS THE PROPERTY OF I & S GROUP, INC. AND MAY NOT BE USED, COPIED OR DUPLICATED WITHOUT PRIOR WRITTEN CONSENT.

PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 PRELIM
DRAWN BY	MAS
DESIGNED BY	
REVIEWED BY	MAS
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

PRELIMINARY PLAT

SHEET

3

OF 32

LENNAR HOMES
NORTH FORK MEADOWS DEVELOPMENT

RAMSEY, MINNESOTA

PRELIMINARY PLAT

ISG PROJECT # 20-24580

LEGEND

EXISTING

- CITY LIMITS
- SECTION LINE
- QUARTER SECTION LINE
- RIGHT OF WAY LINE
- PROPERTY / LOTLINE
- EASEMENT LINE
- ACCESS CONTROL
- WATER EDGE
- WETLAND BOUNDARY
- WETLAND / MARSH
- FENCE LINE
- CULVERT
- STORM SEWER
- SANITARY SEWER
- SANITARY SEWER FORCEMAIN
- WATER
- GAS
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND TELEPHONE
- UNDERGROUND TV
- OVERHEAD UTILITY
- UNDERGROUND UTILITY
- UNDERGROUND FIBER OPTIC
- CONTOUR (MAJOR)
- CONTOUR (MINOR)
- DECIDUOUS TREE
- CONIFEROUS TREE
- TREE LINE
- MANHOLE/STRUCTURE
- CATCH BASIN
- HYDRANT
- VALVE
- CURB STOP
- POWER POLE
- UTILITY PEDESTAL / CABINET

PROPOSED

- LOT LINE
- RIGHT OF WAY
- EASEMENT
- CULVERT
- STORM SEWER
- STORM SEWER (PIPE WIDTH)
- SANITARY SEWER
- SANITARY SEWER (PIPE WIDTH)
- WATER
- GAS
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- UNDERGROUND TV
- CONTOUR
- MANHOLE (STORM, SANITARY)
- CATCH BASIN
- HYDRANT
- VALVE



LOCATION MAP

SCALE IN FEET

0 500 1000

ABBREVIATIONS:

AC	ACRE	CMP	CORRUGATED METAL PIPE	FDN	FOUNDATION	HR	HOUR	MB	MAIL BOX	PVC	POLYVINYL CHLORIDE	TEL	TELEPHONE
ADA	AMERICANS WITH DISABILITIES ACT	CO	CLEANOUT	FFE	FINISHED FLOOR ELEVATION	HWL	HIGH WATER LEVEL	MECH	MECHANICAL	PVMT	PAVEMENT	TEMP	TEMPORARY
ADD	ADDENDUM	CONC	CONCRETE	FPM	FEET PER MINUTE	HWY	HIGHWAY	MH	MANHOLE	QTY	QUANTITY	THRU	THROUGH
AFF	ABOVE FINISHED FLOOR	CONST	CONSTRUCTION	FPS	FEET PER SECOND	HYD	HYDRANT	MIN	MINIMUM	RAD	RADIUS	TNFH	TOP NUT OF FIRE HYDRANT
AGG	AGGREGATE	CONT	CONTINUOUS	FT	FOOT, FEET	I	INVERT	MISC	MISCELLANEOUS	RCP	REINFORCED CONCRETE PIPE	TRANS	TRANSFORMER
APPROX	APPROXIMATE	CY	CUBIC YARD	FTG	FOOTING	ID	INSIDE DIAMETER	NO	NUMBER	RD	ROOF DRAIN	TV	TELEVISION
ARCH	ARCHITECT, ARCHITECTURAL	C&G	CURB AND GUTTER	GA	GAUGE	IN	INCH	NTS	NOT TO SCALE	REBAR	REINFORCING BAR	T/W	TOP OF WALL
BFE	BASEMENT FLOOR ELEVATION	DEMO	DEMOLITION	GAL	GALLON	INV	INVERT	NWL	NORMAL WATER LEVEL	REM	REMOVE	TYP	TYPICAL
BIT	BITUMINOUS	DIA	DIAMETER	GALV	GALVANIZED	IP	IRON PIPE	OC	ON CENTER	ROW	RIGHT OF WAY	UT	UTILITY, UNDERGROUND
CAD	COMPUTER-AIDED DESIGN	DIM	DIMENSION	GC	GENERAL CONTRACTOR	IPS	IRON PIPE SIZE	OCEW	ON CENTER EACH WAY	R/W	RIGHT OF WAY		TELEPHONE
CB	CATCH BASIN	DS	DOWNSPOUT	GFE	GARAGE FLOOR ELEVATION	J-BOX	JUNCTION BOX	OH	OVERHEAD	SAN	SANITARY	VCP	VITRIFIED CLAY PIPE
CFS	CUBIC FEET PER SECOND	EA	EACH	GL	GUTTER LINE	JT	JOINT	OHD	OVERHEAD DOOR	SCH	SCHEDULE	W/O	WITHOUT
CF	CUBIC FOOT	ELEC	ELECTRICAL	GPM	GALLONS PER MINUTE	LF	LINEAR FEET	OZ	OUNCE	SF	SQUARE FOOT	W/	WITH
CI	CAST IRON	ELEV	ELEVATION	GV	GATE VALVE	LIN	LINEAR	PED	PEDESTAL, PEDESTRIAN	SPEC	SPECIFICATION	YD	YARD
CIP	CAST IRON PIPE	EOF	EMERGENCY OVERFLOW	HDPE	HIGH DENSITY POLYETHYLENE	LPS	LOW PRESSURE STEAM	PERF	PERFORATED	SQ	SQUARE	YR	YEAR
CIPC	CAST IN PLACE CONCRETE	EQ	EQUAL	HD	HEAVY DUTY	LS	LUMP SUM	PL	PROPERTY LINE	STA	STATION		
CJ	CONTROL JOINT	EX	EXISTING	HH	HANDHOLE	LSO	LOWEST STRUCTURAL OPENING	PP	POLYPROPYLENE	SY	SQUARE YARD		
CL	CENTERLINE	FDC	FIRE DEPARTMENT CONNECTION	HORIZ	HORIZONTAL	MAX	MAXIMUM	PSI	POUNDS PER SQUARE INCH	T/C	TOP OF CURB		

SHEET INDEX

1	TITLE SHEET
2	EXISTING & REMOVALS PLAN
3	PRELIMINARY PLAT
4	OVERALL PUD MASTER SITE PLAN
5	OVERALL GRADING PLAN
6	GRADING DETAILS
7	STORMWATER POLLUTION PREVENTION PLAN
8	SWPPP DETAILS
9-12	OVERALL UTILITY PLANS
13-22	ROADWAY PLAN & PROFILES
23	TYPICAL STREET SECTION
24-27	SITE DETAILS
28-29	MnDOT DETAILS
30-32	SITE RESTORATION PLANS
	THIS PLAN SET INCLUDES 32 SHEETS

PROJECT GENERAL NOTES

1. ALL WORK SHALL CONFORM TO THE CONTRACT DOCUMENTS, WHICH INCLUDE, BUT ARE NOT LIMITED TO, THE OWNER - CONTRACTOR AGREEMENT, THE PROJECT MANUAL (WHICH INCLUDES GENERAL SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS), DRAWINGS OF ALL DISCIPLINES AND ALL ADDENDA, MODIFICATIONS AND CLARIFICATIONS ISSUED BY THE ARCHITECT/ENGINEER.
2. CONTRACT DOCUMENTS SHALL BE ISSUED TO ALL SUBCONTRACTORS BY THE GENERAL CONTRACTOR IN COMPLETE SETS IN ORDER TO ACHIEVE THE FULL EXTENT AND COMPLETE COORDINATION OF ALL WORK.
3. WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
4. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS. NOTIFY ARCHITECT/ENGINEER OF ANY DISCREPANCIES OR CONDITIONS REQUIRING INFORMATION OR CLARIFICATION BEFORE PROCEEDING WITH THE WORK.
5. DETAILS SHOWN ARE INTENDED TO BE INDICATIVE OF THE PROFILES AND TYPE OF DETAILING REQUIRED THROUGHOUT THE WORK. DETAILS NOT SHOWN ARE SIMILAR IN CHARACTER TO DETAILS SHOWN. WHERE SPECIFIC DIMENSIONS, DETAILS OR DESIGN INTENT CANNOT BE DETERMINED, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
6. ALL MANUFACTURED ARTICLES, MATERIALS AND EQUIPMENT SHALL BE APPLIED, INSTALLED, CONNECTED, ERECTED, CLEANED AND CONDITIONED ACCORDING TO MANUFACTURERS' INSTRUCTIONS. IN CASE OF DISCREPANCIES BETWEEN MANUFACTURERS' INSTRUCTIONS AND THE CONTRACT DOCUMENTS, NOTIFY ARCHITECT/ENGINEER BEFORE PROCEEDING WITH THE WORK.
7. ALL DISSIMILAR METALS SHALL BE EFFECTIVELY ISOLATED FROM EACH OTHER TO AVOID GALVANIC CORROSION.
8. THE LOCATION AND TYPE OF ALL INPLACE UTILITIES SHOWN ON THE PLANS ARE FOR GENERAL INFORMATION ONLY AND ARE ACCURATE AND COMPLETE TO THE BEST OF THE KNOWLEDGE OF I & S GROUP, INC. (ISG). NO WARRANTY OR GUARANTEE IS IMPLIED. THE CONTRACTOR SHALL VERIFY THE SIZES, LOCATIONS AND ELEVATIONS OF ALL INPLACE UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL IMMEDIATELY NOTIFY ENGINEER OF ANY DISCREPANCIES OR VARIATIONS FROM PLAN.
9. THE CONTRACTOR IS TO CONTACT "GOPHER STATE ONE CALL" FOR UTILITY LOCATIONS, MINIMUM 2 BUSINESS DAYS PRIOR TO ANY EXCAVATION / CONSTRUCTION (1-800-252-1166).

PROJECT INDEX:

OWNER:

LENNAR HOMES
16305 36TH AVENUE NORTH
PLYMOUTH, MN 55446

PROJECT ADDRESS / LOCATION:

SEC. 22/ TOWNSHIP 32N/ RANGE 25W

ANOKA COUNTY
RAMSEY MINNESOTA

MANAGING OFFICE:

MANKATO OFFICE
115 EAST HICKORY STREET
SUITE 300
MANKATO, MN 56001
PHONE: 507.387.6651
FAX: 507.387.3583

PROJECT MANAGER: NATHAN HERMER
EMAIL: NATHAN.HERMER@ISGINC.COM

SPECIFICATIONS REFERENCE

ALL CONSTRUCTION SHALL COMPLY WITH THE CITY OF RAMSEY REQUIREMENTS AND MnDOT STANDARD SPECIFICATIONS FOR CONSTRUCTION, 2018 EDITION, AND THE STANDARD SPECIFICATIONS FOR SANITARY SEWER, STORM DRAIN AND WATERMAIN AS PROPOSED BY THE CITY ENGINEERS ASSOCIATION OF MINNESOTA 2013, UNLESS DIRECTED OTHERWISE.

PROJECT DATUM

HORIZONTAL COORDINATES HAVE BEEN REFERENCED TO THE NORTH AMERICAN DATUM OF 1983 (NAD83), 1996 ADJUSTMENT (NAD83(1996)) ON THE ANOKA COUNTY COORDINATE SYSTEM, IN U.S. SURVEY FEET.
ELEVATIONS HAVE BEEN REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD 88).
RTK GPS METHODS WERE USED TO ESTABLISH HORIZONTAL AND VERTICAL COORDINATES FOR THIS PROJECT.

B.M. ELEVATION=888.56

TNFH SE QUADRANT AT THE INTERSECTION OF PUMA ST NW AND ALPINE DR

TOPOGRAPHIC SURVEY

THIS PROJECT'S TOPOGRAPHIC SURVEY CONSISTS OF DATA COLLECTED IN OCTOBER/2020 BY ISG.

NOTE:
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NATHAN HERMER

DATE XX/XX/XXXX LIC. NO. XXXXX

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 1 TITLE
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

TITLE SHEET

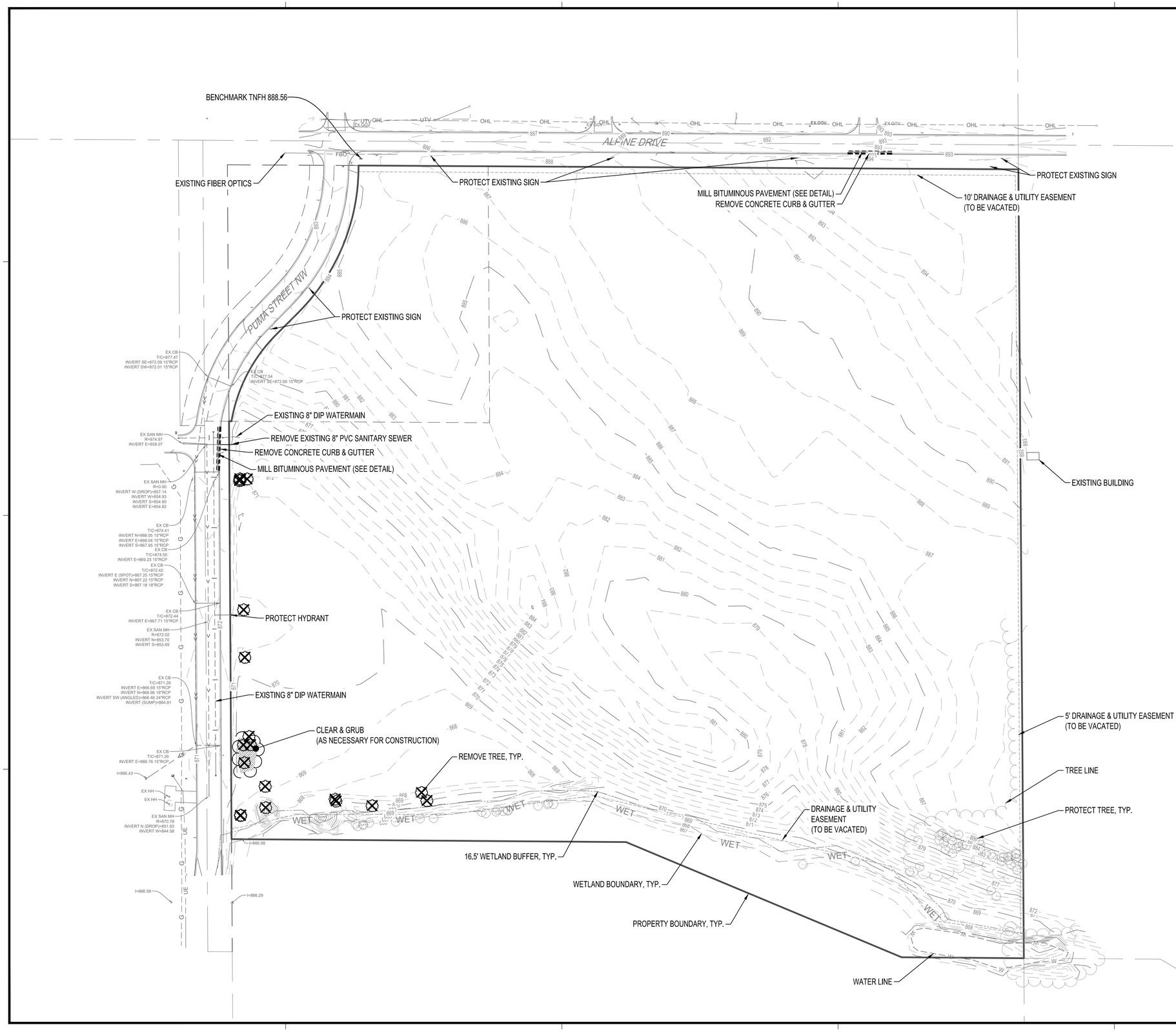
SHEET

1

OF 32

PRELIMINARY NOT FOR CONSTRUCTION

PRELIMINARY NOT FOR CONSTRUCTION



REMOVAL LEGEND

SYMBOL	DESCRIPTION
	REMOVE BITUMINOUS PAVEMENT
	CLEAR & GRUB TREES & UNDERBRUSH
	REMOVE DECIDUOUS TREE (CLEAR & GRUB)
	REMOVE CONIFEROUS TREE (CLEAR & GRUB)

CONTRACTOR SHALL VERIFY EXISTING PAVEMENT SECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES.

PAVEMENT REMOVALS SHALL INCLUDE FULL DEPTH SAWCUT & SECTION REMOVAL.

TREE PRESERVATION NOTES

1. ALL TREES TO REMAIN IN PLACE SHALL BE FENCED OFF WITH SAFETY NETTING AND STEEL STAKES BEYOND THE DRIPLINE OF THE TREE.
2. ALL TREES TO REMAIN SHALL RECEIVE SILT FENCING AROUND THE OUTSIDE OF THE SAFETY NETTING TO ENSURE NO CHEMICAL OR RUNOFF FROM CONSTRUCTION DAMAGES THE TREE OR THE SOIL SURROUNDING THE TREE.
3. PROTECT TREES TO REMAIN FROM ANY DAMAGE, INCLUDING BUT NOT LIMITED TO SOIL COMPACTION, VEHICLE DAMAGE, AND CHEMICAL EXPOSURE TO THE TREE OR THE SOIL SURROUNDING THE TREE.
4. ANY TREES TO REMAIN DAMAGED DURING THE CONSTRUCTION PROCESS SHALL BE REPLACED IN KIND BY THE CONTRACTOR.

TOTAL EXISTING TREES = 82
TOTAL TREES TO BE REMOVED = 19 (23%)
TOTAL TREES TO REMAIN = 63 (77%)

ISG

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 4 EXISTING
DRAWN BY	EH
DESIGNED BY	ART,WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

EXISTING SITE & REMOVALS PLAN

SHEET

2

OF 32

PRELIMINARY NOT FOR CONSTRUCTION

NORTH FORK MEADOWS

EXISTING LEGAL DESCRIPTION:
(per client)

Outlot A, ALPHA DEVELOPMENT, Anoka County, Minnesota

AND

Outlot B, ALPHA DEVELOPMENT 2ND ADDITION, Anoka County, Minnesota

OWNERS / DEVELOPERS:
Lennar Corporation
16305 36th Avenue North
Plymouth, MN 55446
952-373-0485

SURVEYOR:
ISG
7900 International Drive Suite 550
Minneapolis, MN 55425
952-426-0699

AREA TABLE:
Outlot A, ALPHA DEVELOPMENT = 1,328,912 sq. ft. - 30.51 acres
Outlot B, ALPHA DEVELOPMENT 2ND ADDITION = 126,690 sq. ft. - 2.91 acres
Total = 1,455,602 sq. ft. - 33.42 acres

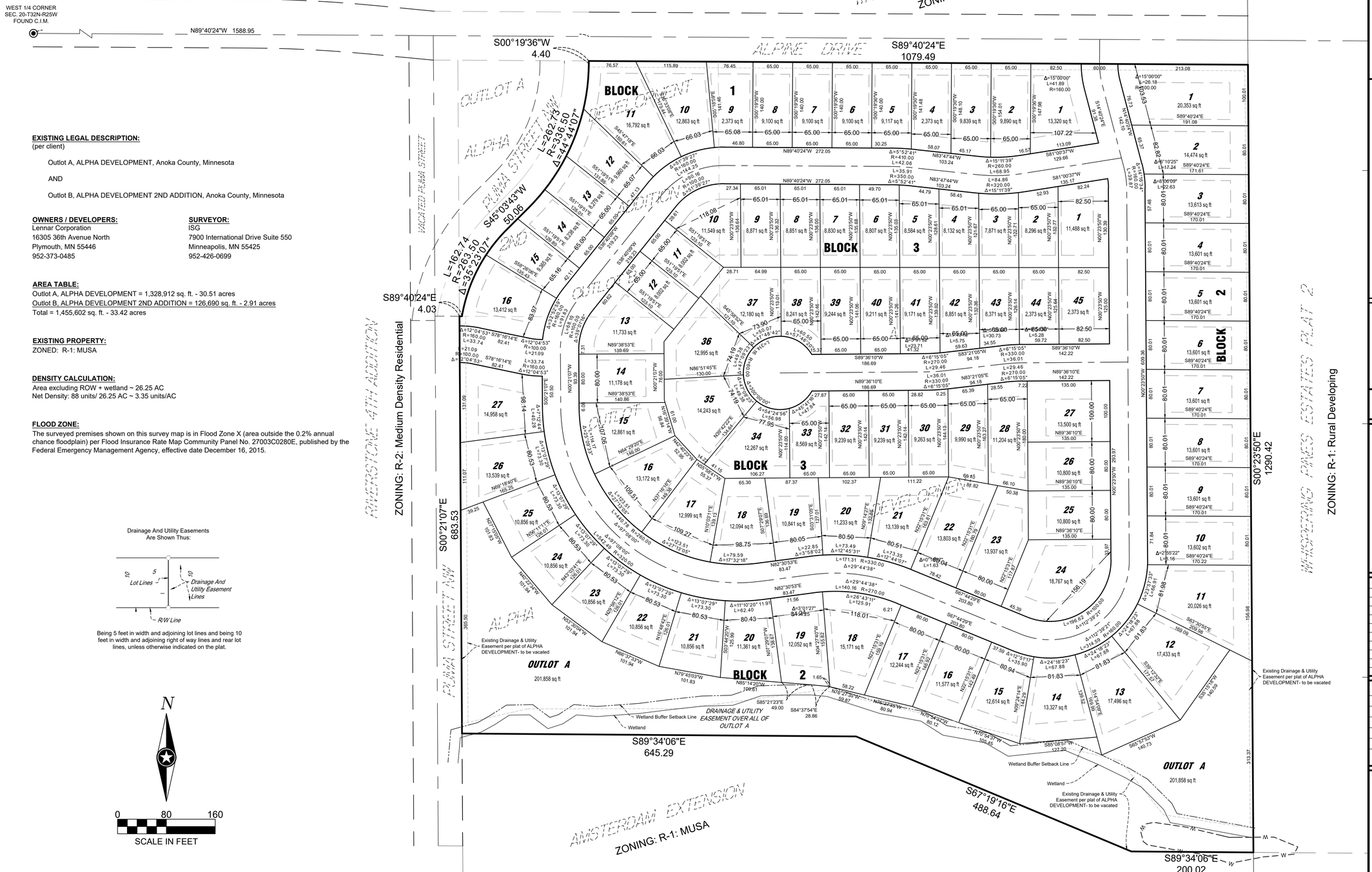
EXISTING PROPERTY:
ZONED: R-1: MUSA

DENSITY CALCULATION:
Area excluding ROW + wetland ~ 26.25 AC
Net Density: 88 units/ 26.25 AC ~ 3.35 units/AC

FLOOD ZONE:
The surveyed premises shown on this survey map is in Flood Zone X (area outside the 0.2% annual chance floodplain) per Flood Insurance Rate Map Community Panel No. 27003C0280E, published by the Federal Emergency Management Agency, effective date December 16, 2015.

Drainage And Utility Easements
Are Shown Thus:

Being 5 feet in width and adjoining lot lines and being 10 feet in width and adjoining right of way lines and rear lot lines, unless otherwise indicated on the plat.



I HEREBY CERTIFY THAT THIS SURVEY, PLAN, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED LAND SURVEYOR UNDER THE LAWS OF THE STATE OF MINNESOTA.

MARK A. SCHWANZ

DATE _____ LIC. NO. 45817

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 PRELIM
DRAWN BY	MAS
DESIGNED BY	
REVIEWED BY	MAS
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

PRELIMINARY PLAT

SHEET

3

OF 32

SITE SUMMARY				
LOT TYPES	UNIT COUNT	FULL BASEMENT	LOOKOUT	WALKOUT
60' SINGLE FAMILY LOTS	88	55	25	8

DEVELOPMENT REGULATIONS (PUD)	
SINGLE FAMILY LOTS	
FRONT SETBACK	VARIES 25'-30'
SIDE SETBACK	VARIES 5'-10'
REAR SETBACK	VARIES 20'-30'
CORNER SETBACK	VARIES 25'-30'

PAVEMENT LEGEND	
SYMBOL	DESCRIPTION
	BITUMINOUS PAVEMENT
	CONCRETE WALK
	CONCRETE PAVEMENT

BENCHMARK TNFH 888.56

ALPINE DRIVE

PUMA STREET NW

ROAD A

ROAD B

ROAD C

ROAD B

BLOCK 1

BLOCK 3

BLOCK 3

BLOCK 2

BLOCK 2

OUTLOT A

ST-1 ST-2 ST-3 ST-4 ST-5 ST-6 ST-7 ST-8 ST-9 ST-10

BASIN A
BOTTOM = 862.60'
MWL= 866.60'
100-YR HWL = 871.79'

WET

UE

DRIVEWAY, TYP.
(BY OTHERS)

SWALE, TYP.

BUILDING SETBACK, TYP.

PROPOSED LOT LINE, TYP.

TREE LINE, TYP.

PROTECTED TREE, TYP.

CONCRETE MAINTENANCE ACCESS
(SEE DETAIL)

16.5' WETLAND SETBACK, TYP.

WETLAND BOUNDARY, TYP.

WETLAND SIGN, TYP.
INSTALLED AT PROPERTY LINE

PROPERTY BOUNDARY, TYP.

WATER LINE, TYP.

N

0 80 160
SCALE IN FEET

ISG

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NATHAN HERMER

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 6 PROPOSED
DRAWN BY	EH
DESIGNED BY	ART,WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

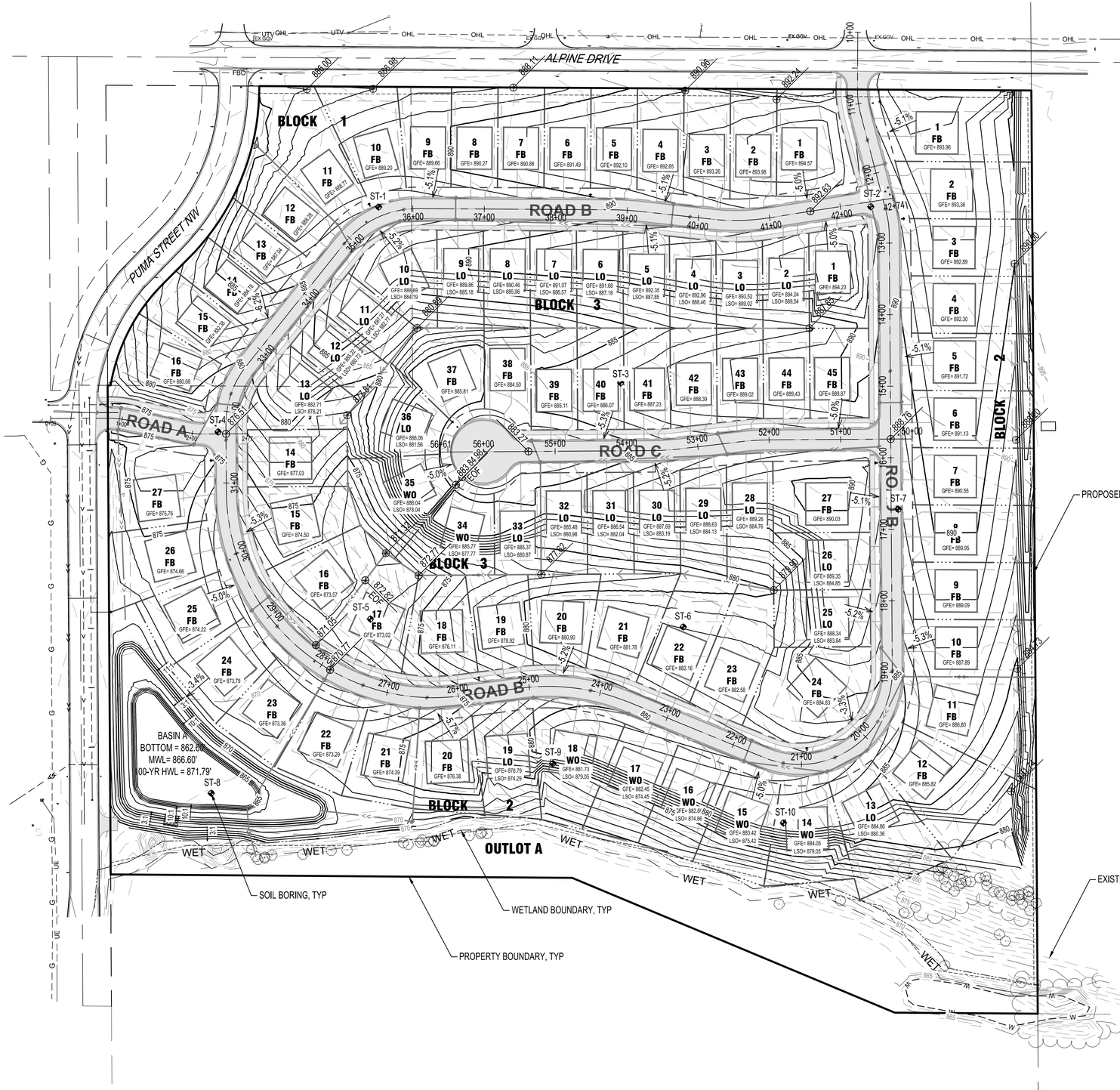
OVERALL PUD MASTER SITE PLAN

SHEET

4

OF 32

PRELIMINARY NOT FOR CONSTRUCTION

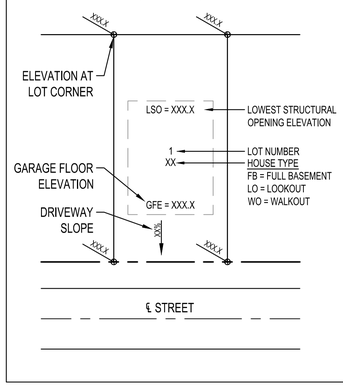


GRADING LEGEND

·101·	EXISTING CONTOUR (MINOR INTERVAL)
100	EXISTING CONTOUR (MAJOR INTERVAL)
101	PROPOSED CONTOUR (MINOR INTERVAL)
100	PROPOSED CONTOUR (MAJOR INTERVAL)
-X.X%	SURFACE GRADE / DIRECTION

LOT INFORMATION

(NOT TO SCALE)



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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 C4-GRADE
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

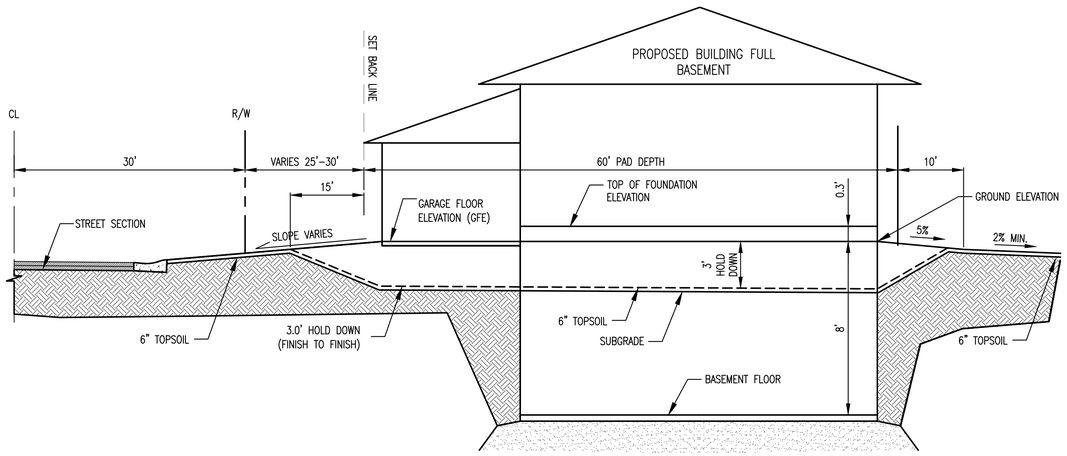
OVERALL GRADING PLAN

SHEET

5

OF 32

PRELIMINARY NOT FOR CONSTRUCTION



SINGLE FAMILY FULL BASEMENT (FB)
3.0' HOLD DOWN

N.T.S.

NOTE:

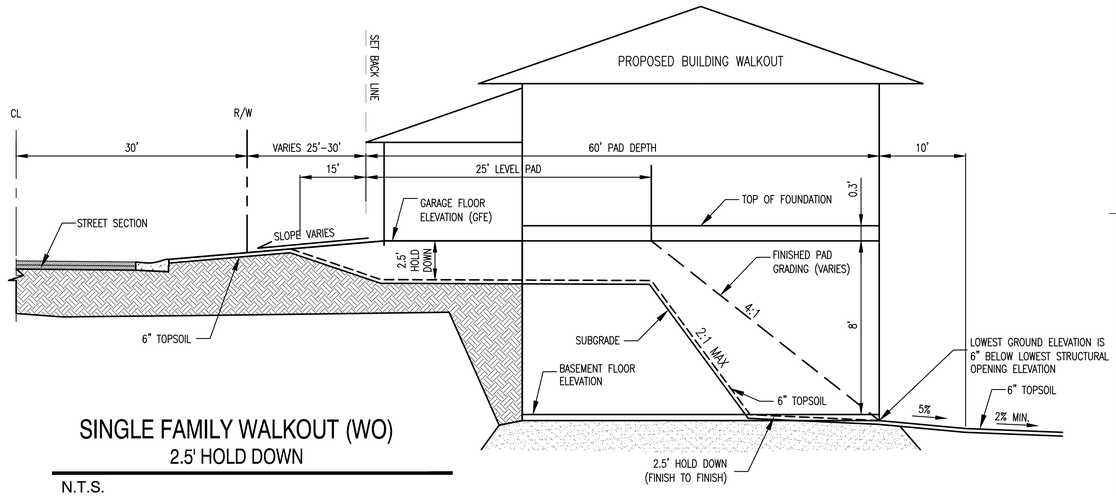
FB = FULL BASEMENT

LO = LOOK OUT BASEMENT

WO = WALKOUT BASEMENT

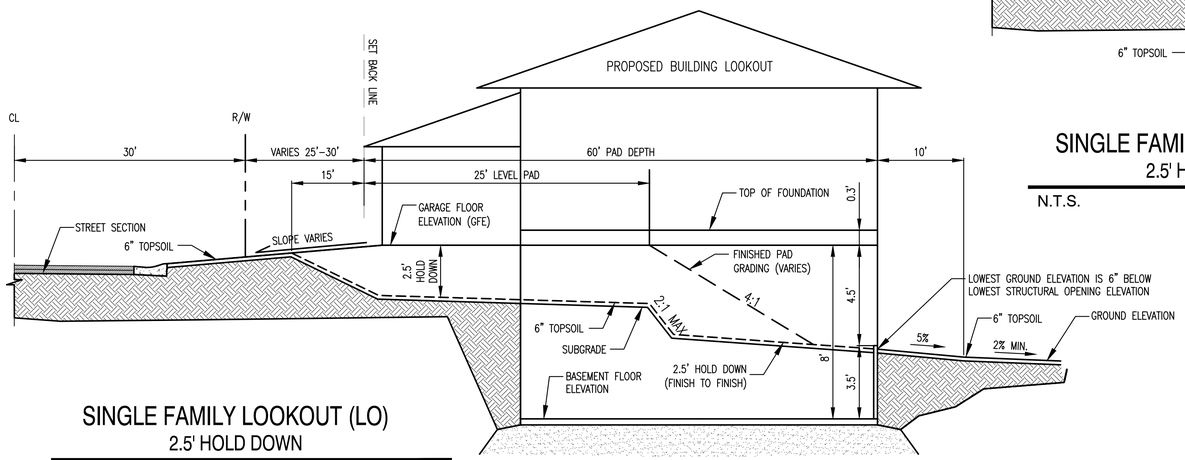
THE FIRST ELEVATION LISTED REFERS TO THE GARAGE FLOOR ELEVATION (GFE). THE SECOND ELEVATION LISTED REFERS TO THE LOWEST STRUCTURAL OPENING (LSO). IF NO SECOND ELEVATION IS LISTED THEN THE PRIMARY ELEVATION IS THE LOWEST STRUCTURAL OPENING.

SEE DETAILS OF EACH TYPE.



SINGLE FAMILY WALKOUT (WO)
2.5' HOLD DOWN

N.T.S.



SINGLE FAMILY LOOKOUT (LO)
2.5' HOLD DOWN

N.T.S.

NOTE:

THESE DETAILS ARE FOR 60-FT WIDE SINGLE FAMILY HOME PRODUCTS.

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 2 DETAILS
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

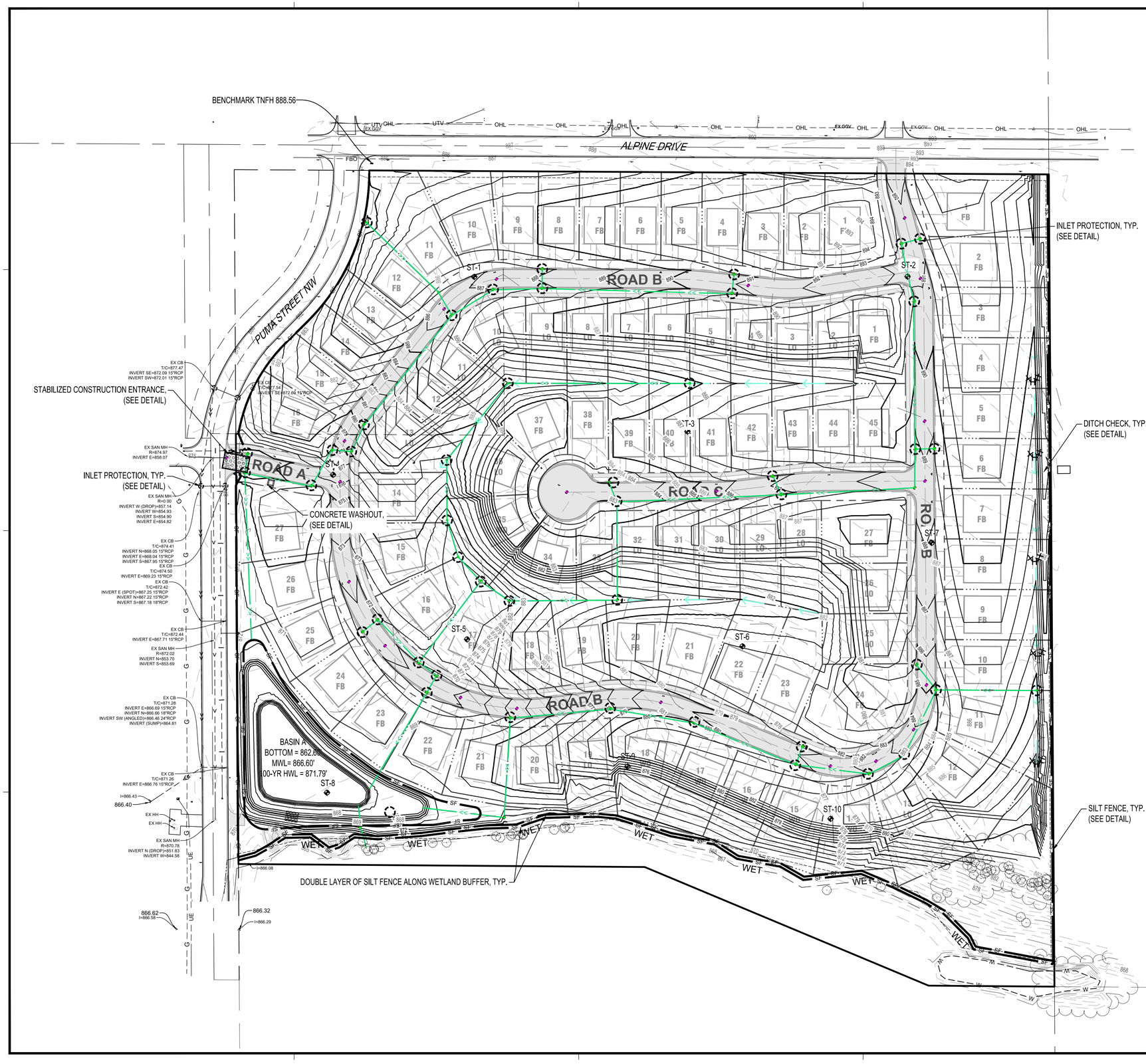
GRADING DETAILS

SHEET

6

OF 32

PRELIMINARY NOT FOR CONSTRUCTION



EROSION CONTROL LEGEND

SYMBOL	DESCRIPTION
	RANDOM RIPRAP, CLASS 3
SF	SILT FENCE, PREASSEMBLED
	STORM DRAIN INLET PROTECTION
	SEDIMENT CONTROL LOG
	STABILIZED CONSTRUCTION EXIT
	CONCRETE WASHOUT AREA
	EXISTING DRAINAGE ARROW
	PROPOSED DRAINAGE ARROW
101	EXISTING CONTOUR (MINOR INTERVAL)
100	EXISTING CONTOUR (MAJOR INTERVAL)
101	PROPOSED CONTOUR (MINOR INTERVAL)
100	PROPOSED CONTOUR (MAJOR INTERVAL)

PERIMETER CONTROL SHALL BE SILT FENCE.

SEE SITE RESTORATION PLAN FOR FINAL TURF ESTABLISHMENT.

NOTE: SWPPP COVERAGE INCLUDES ELECTRIC, GAS, TELEPHONE, AND CABLE INSTALLATION. EACH COMPANY OR THEIR SUBCONTRACTOR IS RESPONSIBLE TO FOLLOW THE REQUIREMENTS OF THIS SWPPP INCLUDING PROVIDING THEIR OWN RESTORATION IF INSTALLATION OCCURS AFTER PRIMARY INSTALLATION OF SEEDING/SODDING/MULCHING DURING CONSTRUCTION OF EACH UTILITY.

CITY OF RAMSEY TOPSOIL NOTES:

1. INSTALLATION OF 4" OF TOPSOIL IS REQUIRED ACROSS ALL DISTURBED AREAS.
2. TOPSOIL IS DEFINED AS BLACK DIRT COMPOSED OF UNCONSOLIDATED MATERIAL, LARGELY UN-DECOMPOSED ORGANIC MATTER WHICH IS SUITABLE FOUNDATION FOR VEGETATIVE GROWTH.
3. THE COMPOSITION OF TOPSOIL SHOULD CONTAIN NO MORE THAN THIRTY-FIVE (35) PERCENT SAND CONTENT.

N

0 80 160

SCALE IN FEET

ISG

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 3 SWPPP
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

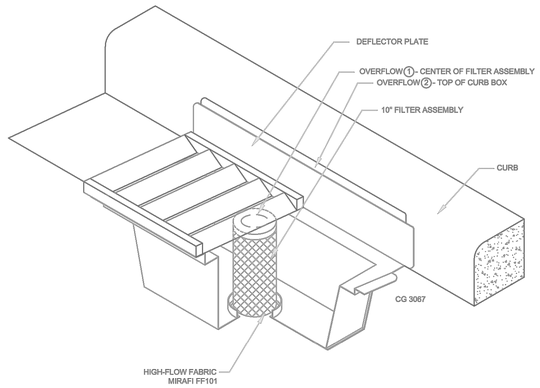
STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

SHEET

7

OF 32

PRELIMINARY NOT FOR CONSTRUCTION

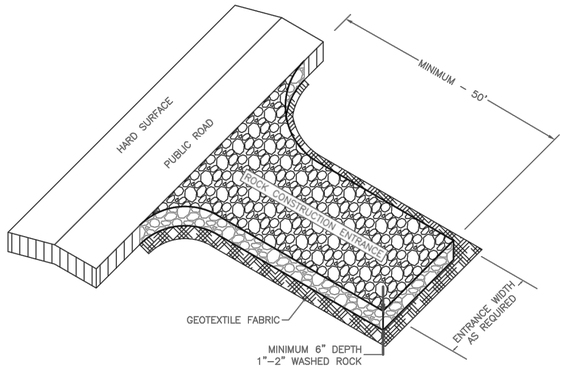


INLET PROTECTION – WIMCO OR EQUAL

N.T.S.

NOTE:
THIS INLET PROTECTION SHALL BE USED IMMEDIATELY FOLLOWING CURB & GUTTER CONSTRUCTION. INLET PROTECTION SHALL REMAIN INSTALLED AND MAINTAINTED UNTIL ALL HOME CONSTRUCTION IS COMPLETE.

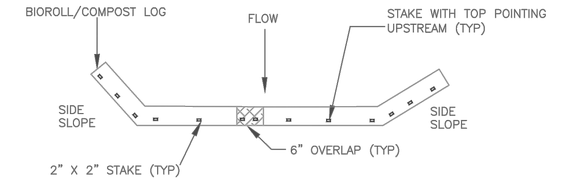
APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: INLET PROTECTION
		CITY PLATE No. ERO–2



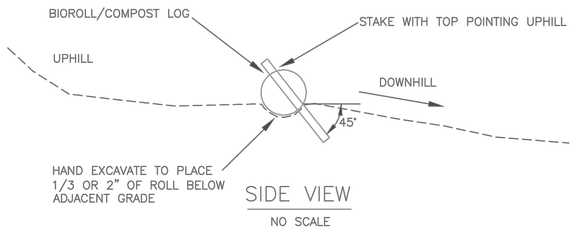
NOTE:
1. MINIMUM CONSTRUCTION ENTRANCE WIDTH EQUAL TO PROPOSED ROADWAY WIDTH.
2. WIDTH OF RADIUS AS REQUIRED TO ENSURE VEHICLES DO NOT TRACK ONTO PUBLIC ROAD.
3. MAINTAINENCE AS REQUIRED TO PREVENT TRACKING ONTO PUBLIC ROADS. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL ROCK OR REMOVAL AND REINSTALLATION OF THE ENTRANCE AS NEEDED.

NOT TO SCALE

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: ROCK CONSTRUCTION ENTRANCE
		CITY PLATE No. ERO–5



PLAN VIEW

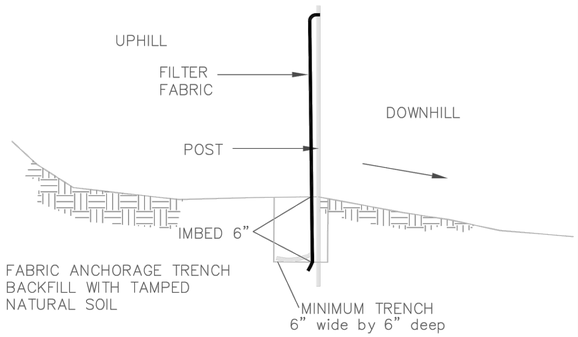


SIDE VIEW

NO SCALE

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

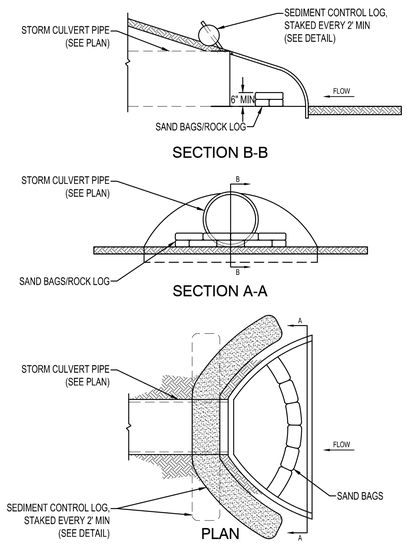


INSTALL AS PER FILTER FABRIC MANUFACTURER'S RECOMMENDATIONS

SILT FENCE DETAIL

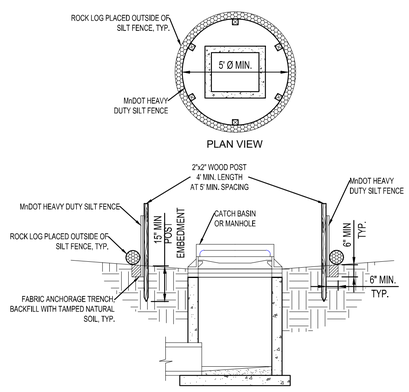
NO SCALE

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



CULVERT PIPE DITCH CHECK

NTS EC350



SILT FENCE INLET PROTECTION

NTS EC220

PRELIMINARY NOT FOR CONSTRUCTION

ISG

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NATHAN HERMER

DATE XX/XX/XXXX LIC. NO. XXXXX

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 3-1 SWPPP NOTES AND DETAILS
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

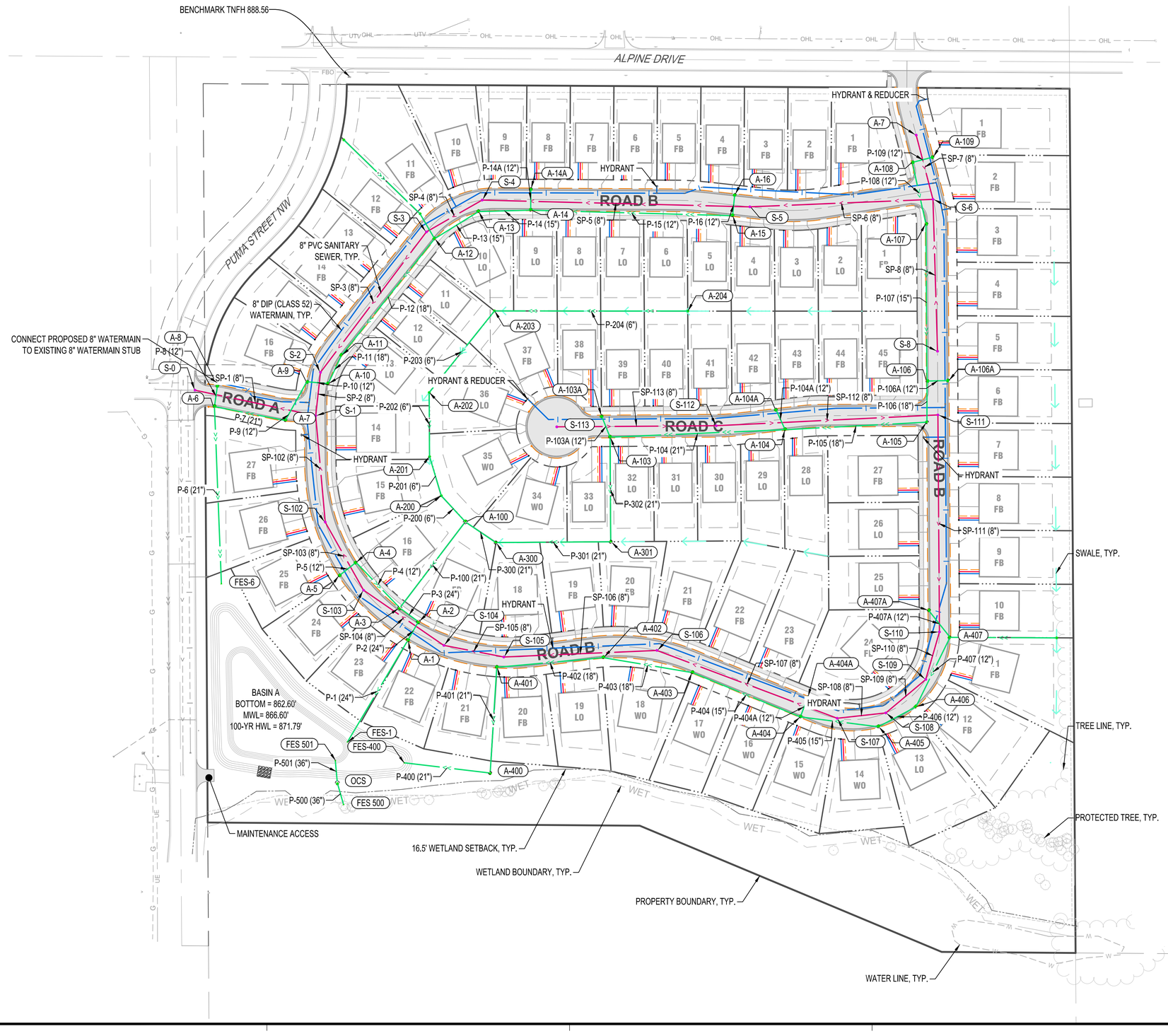
TITLE

SWPPP DETAILS

SHEET

8

OF 32



UTILITY LEGEND

EXISTING		PROPOSED
— — — >> — — —	STORM DRAIN	>>
— — — > — — —	SANITARY SEWER	>
— — — II> — — —	SANITARY SEWER FORCEMAIN	<II
— — — I — — —	WATERMAIN	I
— — — G — — —	GAS	G
— — — OE — — —	OVERHEAD ELECTRIC	OE
— — — UE — — —	UNDERGROUND ELECTRIC	UE
— — — UT — — —	UNDERGROUND TELEPHONE	UT
— — — UTV — — —	UNDERGROUND TV	
— — — OHL — — —	OVERHEAD UTILITY	
— — — UTL — — —	UNDERGROUND UTILITY	
— — — FBO — — —	FIBER OPTIC	

NOTE:

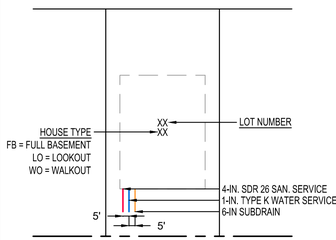
ALL SANITARY SEWER 0-13 FT IN BURY DEPTH SHALL BE PVC CLASS SDR 35. ALL SANITARY SEWER 13-25 FT IN BURY DEPTH SHALL BE SDR 26.

ALL WATERMAIN SHALL BE PLACED AT A MINIMUM BURY DEPTH OF 7.5 FT FROM PROPOSED GROUND ELEVATION TO TOP OF PIPE. WATERMAIN SHALL MAINTAIN A MINIMUM 10 FT HORIZONTAL SEPARATION AND 18 IN VERTICAL SEPARATION FROM ALL SEWER PIPE.

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

LOT INFORMATION

(NOT TO SCALE)





ISG

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 5 UTILITY
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

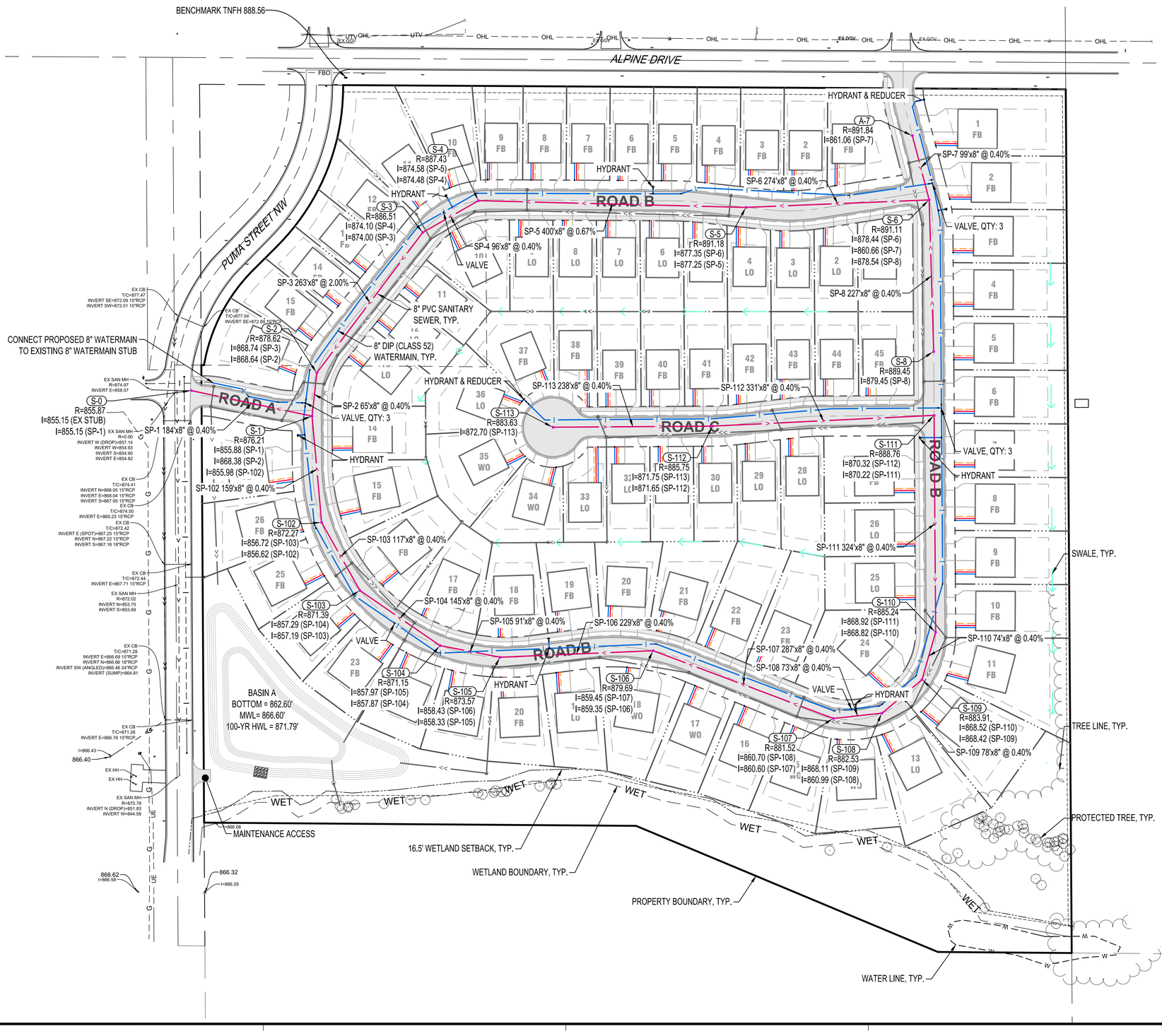
OVERALL UTILITY PLAN

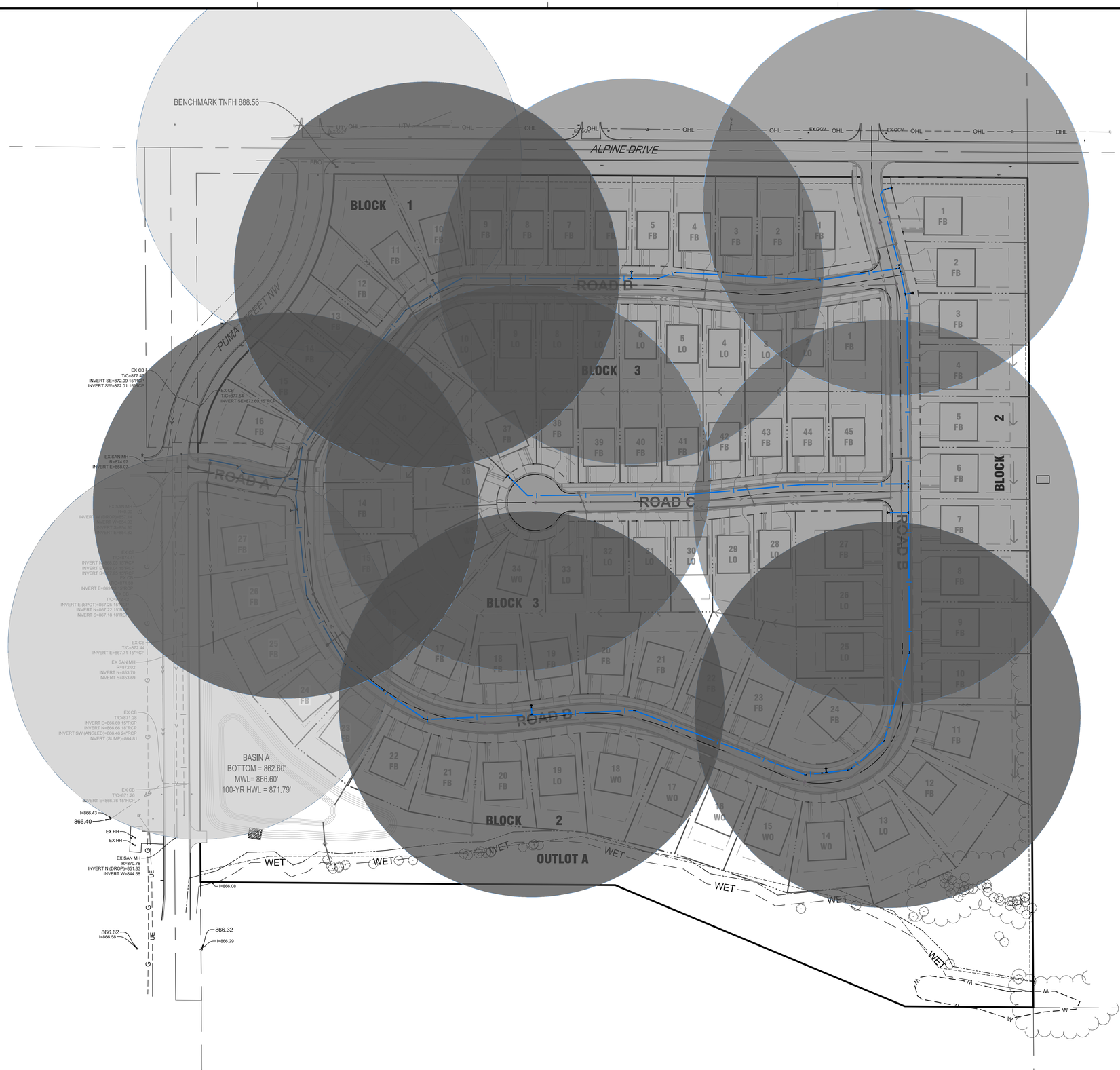
SHEET

9

OF 32

PRELIMINARY NOT FOR CONSTRUCTION


BENCHMARK TNFH 888.56
ALPINE DRIVE
PUMA STREET NW
ROAD A
ROAD B
ROAD C
ROAD B
ROAD B
CONNECT PROPOSED 8" WATERMAIN TO EXISTING 8" WATERMAIN STUB
8" PVC SANITARY SEWER, TYP.
8" DIP (CLASS 52) WATERMAIN, TYP.
HYDRANT & REDUCER
HYDRANT
VALVE
VALVE, QTY: 3
SP-1 184'x8" @ 0.40%
SP-2 65'x8" @ 0.40%
SP-3 263'x8" @ 2.00%
SP-4 96'x8" @ 0.40%
SP-5 400'x8" @ 0.67%
SP-6 274'x8" @ 0.40%
SP-7 99'x8" @ 0.40%
SP-8 227'x8" @ 0.40%
SP-102 159'x8" @ 0.40%
SP-103 117'x8" @ 0.40%
SP-104 145'x8" @ 0.40%
SP-105 91'x8" @ 0.40%
SP-106 229'x8" @ 0.40%
SP-107 287'x8" @ 0.40%
SP-108 73'x8" @ 0.40%
SP-109 78'x8" @ 0.40%
SP-110 74'x8" @ 0.40%
SP-111 324'x8" @ 0.40%
SP-112 331'x8" @ 0.40%
SP-113 238'x8" @ 0.40%
S-0 R=855.87 I=855.15 (EX STUB) I=855.15 (SP-1)
S-1 R=876.21 I=855.88 (SP-1) I=868.38 (SP-2) I=855.98 (SP-102)
S-2 R=878.62 I=868.74 (SP-3) I=868.64 (SP-2)
S-3 R=886.51 I=874.10 (SP-4) I=874.00 (SP-3)
S-4 R=887.43 I=874.58 (SP-5) I=874.48 (SP-4)
S-5 R=891.18 I=877.35 (SP-6) I=877.25 (SP-5)
S-6 R=891.11 I=878.44 (SP-6) I=860.66 (SP-7) I=878.54 (SP-8)
A-7 R=891.84 I=861.06 (SP-7)
S-8 R=889.45 I=879.45 (SP-8)
S-102 R=872.27 I=856.72 (SP-103) I=856.62 (SP-102)
S-103 R=871.39 I=857.29 (SP-104) I=857.19 (SP-103)
S-104 R=871.15 I=857.97 (SP-105) I=857.87 (SP-104)
S-105 R=873.57 I=858.43 (SP-106) I=858.33 (SP-105)
S-106 R=879.69 I=859.45 (SP-107) I=859.35 (SP-106)
S-107 R=881.52 I=860.70 (SP-108) I=860.60 (SP-107)
S-108 R=882.53 I=868.11 (SP-109) I=860.99 (SP-108)
S-109 R=883.91 I=868.52 (SP-110) I=868.42 (SP-109)
S-110 R=885.24 I=868.92 (SP-111) I=868.82 (SP-110)
S-111 R=888.76 I=870.32 (SP-112) I=870.22 (SP-111)
S-112 R=885.75 I=871.75 (SP-113) I=871.65 (SP-112)
S-113 R=883.63 I=872.70 (SP-113)
EX CB T/C=877.47 INVERT SE=872.09 15"RCP INVERT SW=872.01 15"RCP
EX CB T/C=877.54 INVERT SE=872.65 15"RCP
EX SAN MH R=874.97 INVERT E=858.07
EX SAN MH R=0.00 INVERT W (DROP)=857.14 INVERT W=854.93 INVERT S=854.90 INVERT E=854.82
EX CB T/C=874.41 INVERT N=868.05 15"RCP INVERT E=868.04 15"RCP INVERT S=867.95 15"RCP
EX CB T/C=874.50 INVERT E=869.23 15"RCP
EX CB T/C=872.42 INVERT E (SPOT)=867.25 15"RCP INVERT N=867.22 15"RCP INVERT S=867.18 18"RCP
EX CB T/C=872.44 INVERT E=867.71 15"RCP
EX SAN MH R=872.02 INVERT N=853.70 INVERT S=853.69
EX CB T/C=871.28 INVERT E=866.69 15"RCP INVERT N=866.66 18"RCP INVERT SW (ANGLED)=866.46 24"RCP INVERT (SUMP)=864.81
EX CB T/C=871.26 INVERT E=866.76 15"RCP
I=866.43
866.40
EX HH
EX HH
EX SAN MH R=870.78 INVERT N (DROP)=851.83 INVERT W=844.58
I=866.08
MAINTENANCE ACCESS
866.62 I=866.58
866.32 I=866.29
BASIN A BOTTOM = 862.60' MWL= 866.60' 100-YR HWL = 871.79'
WET
16.5' WETLAND SETBACK, TYP.
WETLAND BOUNDARY, TYP.
PROPERTY BOUNDARY, TYP.
WATER LINE, TYP.
SWALE, TYP.
TREE LINE, TYP.
PROTECTED TREE, TYP.
UTV OHL EX.GGV FBO
1 FB
2 FB
3 FB
4 FB
5 FB
6 FB
7 FB
8 FB
9 FB
10 FB
11 FB
12 FB
13 LO
14 FB
15 FB
16 LO
17 FB
18 FB
19 FB
20 FB
21 FB
22 FB
23 FB
24 FB
25 LO
26 LO
27 LO
28 LO
29 LO
30 LO
31 LO
32 LO
33 LO
34 WO
35 WO
36 LO
37 FB
38 FB
39 FB
40 FB
41 FB
42 FB
43 FB
44 FB
45 FB
1 LO
2 LO
3 LO
4 LO
6 LO
7 LO
8 LO
11 LO
12 LO
13 WO
14 WO
15 WO
16 WO
17 WO
18 WO
19 LO
20 LO
21 LO
22 LO
23 LO
24 LO



HYDRANT COVERAGE LEGEND

R300'

EXISTING HYDRANT

R300'

PROPOSED HYDRANT

ISG

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 5 UTILITY
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

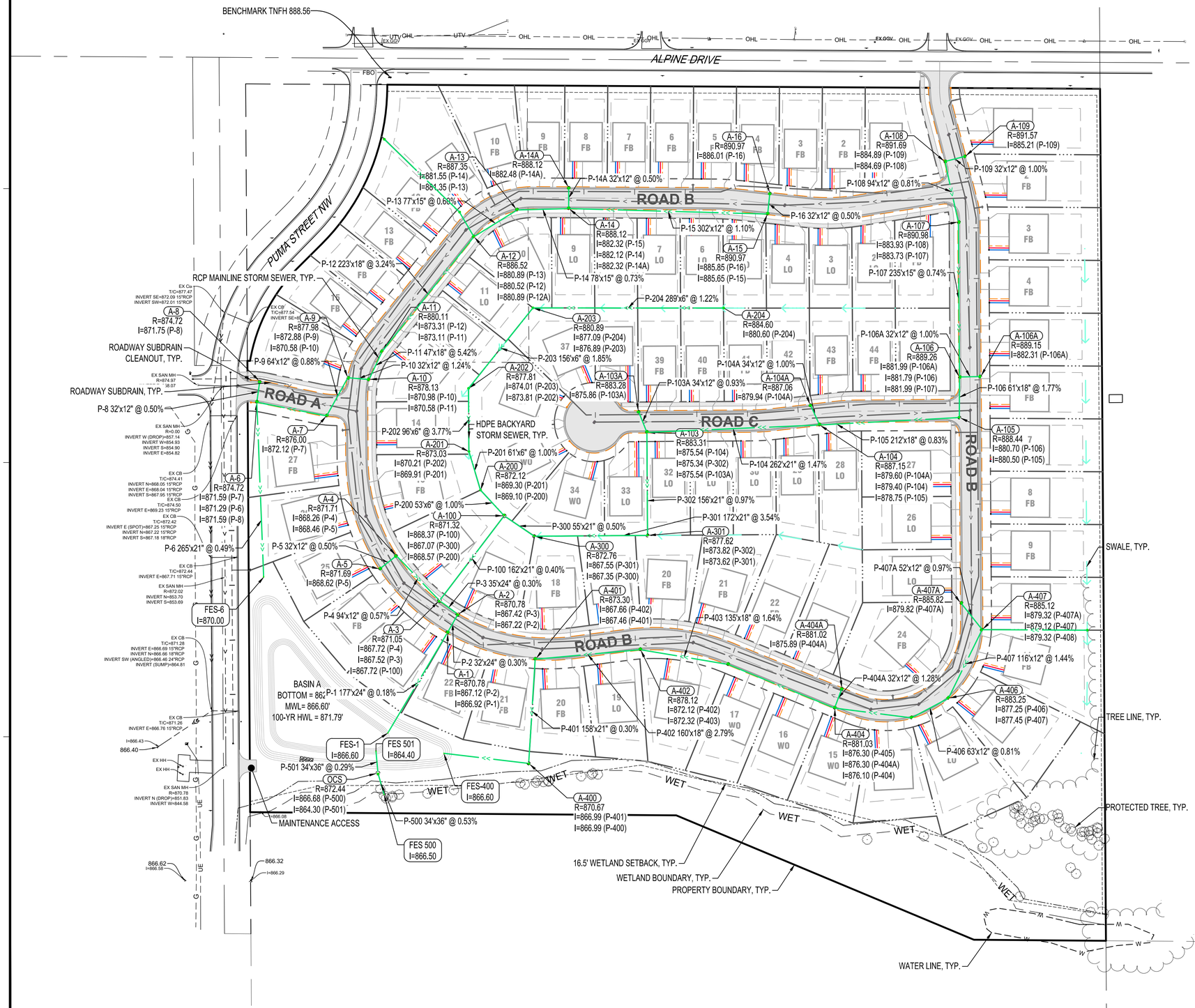
HYDRANT COVERAGE PLAN

SHEET

11

OF 32

PRELIMINARY NOT FOR CONSTRUCTION



UTILITY LEGEND

EXISTING		PROPOSED
— — — >> — — —	STORM DRAIN	——— >> ———
— — — > — — —	SANITARY SEWER	——— > ———
— — — II> — — —	SANITARY SEWER FORCEMAIN	——— <II ———
— — — I — — —	WATERMAIN	——— I ———
— — — G — — —	GAS	——— G ———
— — — OE — — —	OVERHEAD ELECTRIC	——— OE ———
— — — UE — — —	UNDERGROUND ELECTRIC	——— UE ———
— — — UT — — —	UNDERGROUND TELEPHONE	——— UT ———
— — — UTV — — —	UNDERGROUND TV	
— — — OHL — — —	OVERHEAD UTILITY	
— — — UTL — — —	UNDERGROUND UTILITY	
— — — FBO — — —	FIBER OPTIC	

NOTE:

ALL SANITARY SEWER 0-13 FT IN BURY DEPTH SHALL BE PVC CLASS SDR 35. ALL SANITARY SEWER 13-25 FT IN BURY DEPTH SHALL BE SDR 26.

ALL WATERMAIN SHALL BE PLACED AT A MINIMUM BURY DEPTH OF 7.5 FT FROM PROPOSED GROUND ELEVATION TO TOP OF PIPE. WATERMAIN SHALL MAINTAIN A MINIMUM 10 FT HORIZONTAL SEPARATION AND 18 IN VERTICAL SEPARATION FROM ALL SEWER PIPE.

CONTRACTOR SHALL FIELD VERIFY THE LOCATIONS OF ALL EXISTING UTILITIES.

LOT INFORMATION

(NOT TO SCALE)

HOUSE TYPE
FB = FULL BASEMENT
LO = LOOKOUT
WO = WALKOUT

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 5 UTILITY
DRAWN BY	EH
DESIGNED BY	ART/WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

OVERALL STORM SEWER PLAN

SHEET

12

OF 32

PRELIMINARY NOT FOR CONSTRUCTION



PLANT SCHEDULE		
TURF RESTORATION	QTY	COMMON / BOTANICAL NAME
	702,396 sf	MNDOT Seed Mix 25-131 Low Maintenance Turf
	12,730 sf	MNDOT Seed Mix 33-261 Stormwater South and West
	3,490 sf	MNDOT Seed Mix 34-181 Emergent Wetland
	28,927 sf	MNDOT Seed Mix 35-521 Dry Prairie Southwest

N

0 80 160

SCALE IN FEET

ISG

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DANYELLE PIERQUET

DATE XXXX/XX/XX LIC. NO. 49121

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

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REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 8 LAND
DRAWN BY	EH
DESIGNED BY	ART,WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

SITE RESTORATION PLAN

SHEET

30

OF 32

PRELIMINARY NOT FOR CONSTRUCTION



PLANT SCHEDULE

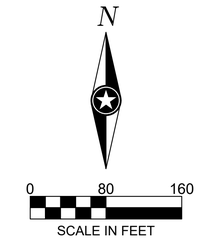
DECIDUOUS TREE	QTY	COMMON / BOTANICAL NAME	SIZE	ROOT
	14	New Harmony Elm Ulmus americana `New Harmony`	2.5" CAL	B & B
	64	Ohio Buckeye Aesculus glabra	2.5" CAL	B & B
	48	Maidenhair Tree Ginkgo biloba `Autumn Gold`	2.5" CAL	B & B
	23	Adams Crabapple Malus x `Adams`	1.5" CAL	B & B
	20	Swamp White Oak Quercus bicolor	2.5" CAL	B & B
	21	Japanese Tree Lilac Syringa reticulata	2.5" Cal.	B & B
EVERGREEN TREE	**QTY**	**COMMON / BOTANICAL NAME**	**SIZE**	**ROOT**
	80	Balsam Fir Abies balsamea	6` HT MIN	B & B
	42	Black Hills Spruce Picea glauca `Densata`	6` HT MIN	B & B
	19	White Spruce Picea glauca	6` HT MIN	B & B
	4	Techny Arborvitae Thuja occidentalis `Techny`	6` HT MIN	B & B
SHRUBS	**QTY**	**COMMON / BOTANICAL NAME**	**SIZE**	**ROOT**
⊙	18	Gro-Low Fragrant Sumac Rhus aromatica `Gro-Low`	5 GAL	CONT

TREE PLANTING REQUIREMENTS

TREES PER DWELLING UNIT
- MINIMUM 2 OVERSTORY DECIDUOUS/CONIFEROUS TREES PER DWELLING UNIT
- TOTAL DWELLING UNITS = 88
- MINIMUM REQUIRED TREES = 176
- PROVIDED DWELLING UNIT AND SUPPLEMENTAL SCREENING TREES = 209

BUFFER TREES
- BUFFER B ALONG EAST PROPERTY LINE, 1,289 LINEAR FEET (LF)
- 4 OVERSTORY, 4 ORNAMENTAL, 4 EVERGREEN TREES REQUIRED PER 100 LF
- 1,289 / 100 = 12.89, 13x4 = 52 OVERSTORY, ORNAMENTAL, AND EVERGREEN TREES REQUIRED
- PROVIDED 47 TREES TO SUPPLEMENT EXISTING TREE BUFFER, PRIORITY TO FILL GAPS IN EXISTING BUFFER.

- BUFFER C ALONG NORTH PROPERTY LINE, 1,018 LINEAR FEET (LF)
- 8 OVERSTORY, 8 ORNAMENTAL, 8 EVERGREEN TREES REQUIRED PER 100 LF
- 1,018 / 100 = 10.18, 10x8 = 80 OVERSTORY, ORNAMENTAL, AND EVERGREEN TREES REQUIRED
- PROVIDED 80 TREES



ISG

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

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FILE NAME	24580 8 LAND
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TITLE

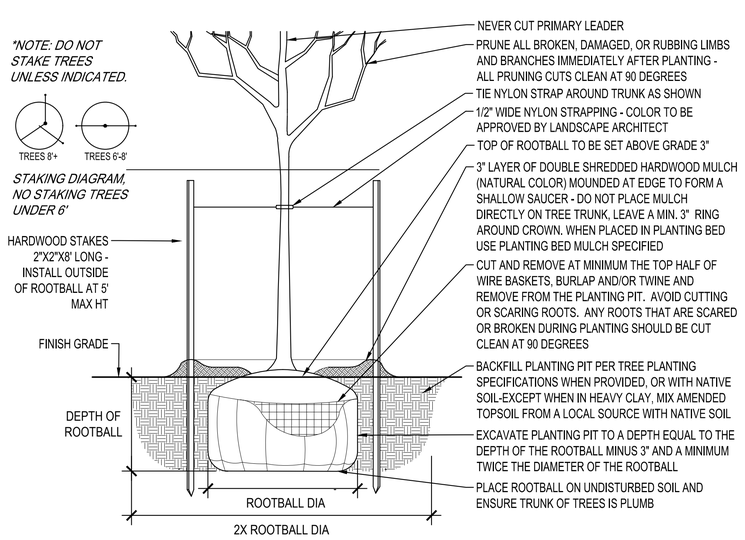
OVERALL LANDSCAPING PLAN

SHEET

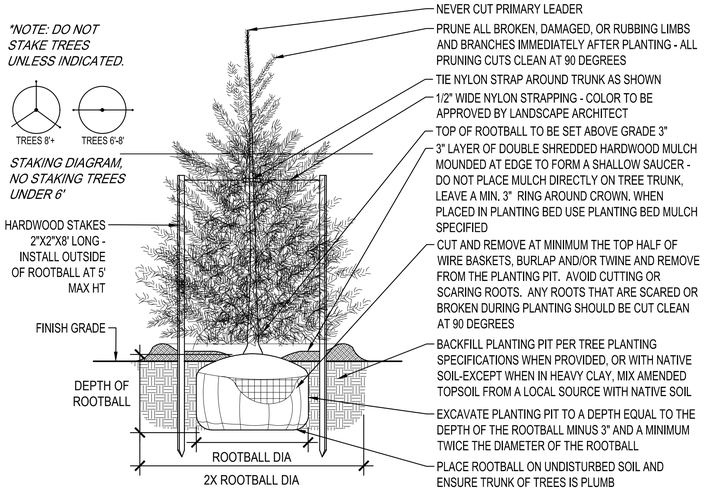
31

OF 32

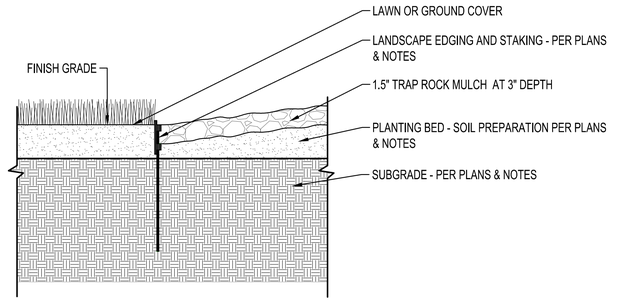
PRELIMINARY NOT FOR CONSTRUCTION



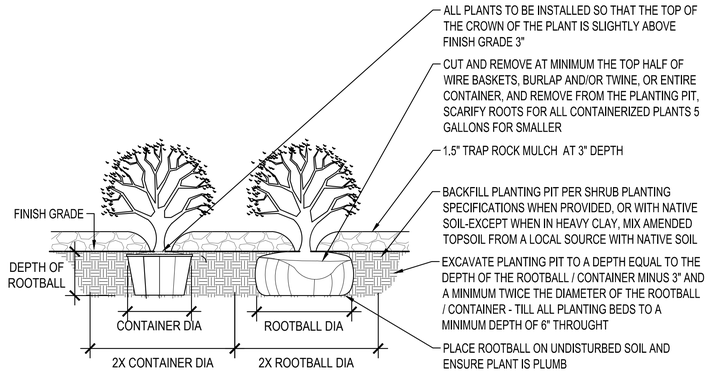
1 DECIDUOUS TREE PLANTING DETAIL
SCALE: 1" = 1'-0"



2 CONIFER / EVERGREEN TREE PLANTING DETAIL
SCALE: 1" = 1'-0"



3 LANDSCAPE EDGING DETAIL
SCALE: 1" = 1'-0"



4 SHRUB PLANTING DETAIL
SCALE: 1" = 1'-0"

GENERAL PLANTING NOTES

1. COORDINATE LOCATION OF ALL UTILITIES (LINES, DUCTS, CONDUITS, SLEEVES, FOOTINGS, ETC.) WITH LOCATIONS OF PROPOSED LANDSCAPE ELEMENTS . CONTRACTOR SHALL REPORT ANY DISCREPANCIES TO OWNER'S REPRESENTATIVE PRIOR TO WORK.
2. SAVE AND PROTECT ALL EXISTING TREES NOT NOTED TO BE REMOVED.
3. REMOVE ALL CONSTRUCTION DEBRIS AND MATERIALS INJURIOUS TO PLANT GROWTH FROM PLANTING PITS AND BEDS PRIOR TO BACKFILLING WITH PLANTING MIX.
4. ANY AREAS OUTSIDE THE LIMIT OF WORK THAT ARE DISTURBED SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT NO ADDITIONAL COST TO OWNER.
5. REFER TO PLANTING DETAILS PLAN FOR AMENDED SOIL DEPTH IN PLANTING BEDS AND SURROUNDING TREES. REFER TO SPECIFICATIONS FOR MIX TYPE.
6. FIELD STAKE PLANTINGS ACCORDING TO PLAN. OWNER'S REPRESENTATIVE SHALL APPROVE ALL PLANT LOCATIONS PRIOR TO INSTALLATION. OWNER RESERVES THE RIGHT TO REVISE PLANTING LAYOUT AT TIME OF INSTALLATION.
7. ALL PLANT MATERIALS SHALL BE TRUE TO THEIR SCIENTIFIC NAME AND SIZE AS INDICATED IN THE PLANT SCHEDULE.
8. IF DISCREPANCIES EXIST BETWEEN THE NUMBER OF PLANTS DRAWN ON THE PLANTING PLAN AND THE NUMBER OF PLANTS IN THE SCHEDULE, THE PLANTING PLAN SHALL GOVERN.
9. OWNER RESERVES THE RIGHT TO REVISE QUANTITIES TO SUIT BUDGET LIMITATIONS. CONTRACTOR'S UNIT BID PRICES SHALL PREVAIL FOR ANY CHANGES IN QUANTITIES.
10. ANY PROPOSED SUBSTITUTIONS OF PLANT SPECIES SHALL BE MADE WITH PLANTS OF EQUIVALENT OVERALL FORM, HEIGHT, BRANCHING HABIT, FLOWER, LEAF, COLOR, FRUIT AND CULTURE, AND ONLY AFTER WRITTEN APPROVAL OF THE OWNER'S REPRESENTATIVE AND OWNER.
11. ALL PLANT MATERIALS MUST CONFORM TO AMERICAN STANDARDS FOR NURSERY STOCK (A.N.S.I.), LATEST EDITION PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, WASHINGTON D.C. LARGER SIZED PLANT MATERIALS OF THE SPECIES LISTED MAY BE USED IF THE STOCK CONFORMS TO A.N.S.I.
12. ALL PLANT MATERIAL SHALL BE GUARANTEED TO BE IN A LIVE AND HEALTHY GROWING CONDITION FOR ONE FULL GROWING SEASON (ONE YEAR) AFTER FINAL PROJECT ACCEPTANCE OR SHALL BE REPLACED FREE OF CHARGE WITH THE SAME GRADE AND SPECIES. ALL TREES SHALL HAVE A STRONG CENTRAL LEADER.

ISG

NOTE:
THE CLARITY OF THESE PLANS DEPEND UPON COLOR COPIES. IF THIS TEXT DOES NOT APPEAR IN COLOR, THIS IS NOT AN ORIGINAL PLAN SET AND MAY RESULT IN MISINTERPRETATION.

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 LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.
DANYELLE PIERQUET

DATE XXXX/XX/XX LIC. NO. 49121

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PROJECT

LENNAR HOMES

NORTH FORK MEADOWS DEVELOPMENT

RAMSEY MINNESOTA

REVISION SCHEDULE

DATE	DESCRIPTION	BY

PROJECT NO.	20-24580
FILE NAME	24580 8 LAND
DRAWN BY	EH
DESIGNED BY	ART,WMSB
REVIEWED BY	NH
ORIGINAL ISSUE DATE	--/--/--
CLIENT PROJECT NO.	-

TITLE

LANDSCAPING DETAILS & SEEDING NOTES

SHEET

32

OF 32

PRELIMINARY NOT FOR CONSTRUCTION

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CITY COUNCIL
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a regular meeting on Monday, February 8, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Chelsea Howell
Councilmember Debra Musgrove
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Members Absent: None

Also Present: City Administrator Kurtis Ulrich
Police Chief Jeff Katers
Deputy City Administrator Timothy Gladhill
City Engineer Bruce Westby

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

2.01: Mayoral Proclamation Proclaiming February 2021 as Black History Month in the City of Ramsey

Mayor Kuzma read the Mayoral Proclamation Proclaiming February 2021 as Black History Month in the City of Ramsey.

James Wade provided additional background information on Black History Month. He stated that he has known Mayor Kuzma for 30 years and thanked Mayor Kuzma for the opportunity to speak tonight. He stated that his company 2110 Design Group along with Heritage Colors designed a series of posters over the years and presented one of those posters to the City of Ramsey to display at City Hall titled *Stretch Your Mind and Fly*.

3. CITIZEN INPUT

None.

4. APPROVE AGENDA

Motion by Councilmember Riley, seconded by Councilmember Woestehoff, to approve the agenda as presented.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Woestehoff, Howell, Musgrove, and Specht. Voting No: None.

5. CONSENT AGENDA

Motion by Councilmember Woestehoff, seconded by Councilmember Musgrove, to approve the following items on the Consent Agenda:

5.01: Approve Rental Licenses
5.02: Adopt Resolution #21-039 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of January 21, 2021 through February 3, 2021
5.03: Adopt Resolution #21-026 Approving Restaurant Assistance Plan: WAC (Water Availability Charge) Program and Approving Loan for Pleasant Valley Sunrise Group LLC dba (doing business as) Aurelio's Pizza
5.04: Adopt Resolution #21-037 to Hire a Public Works Parks Maintenance Worker

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Woestehoff, Musgrove, Howell, Riley, and Specht. Voting No: None.

6. PUBLIC HEARING

There were none.

7. COUNCIL BUSINESS

7.01: Introduce Ordinance #21-08 to Amend City Code Chapter 10, Article III, Section 57 and 58 Dog Licensing

Police Chief Katers reviewed the staff report and recommendation to remove Section 1-57 – Individual Dog Licensing and the rewording of Section 10-58 – Tags. He noted an additional clean-up item identified by the City Attorney for Section 10-65.1.

Councilmember Musgrove thanked staff for looking into this further after the previous direction from the Council to identify policy streamlines that could be made to make things more efficient. She asked if the motion tonight could include the suggestion from the City Attorney.

City Administrator Ulrich clarified that action would come back in a separate ordinance at a future time.

Motion by Councilmember Musgrove, seconded by Councilmember Specht, to introduce Ordinance #21-08 amending Chapter 10, Article III, eliminating Section 10-57 – Individual Dog Licensing and rewording of Section 10-58 – Tags.

Further discussion: Councilmember Riley asked if the additional suggestion could be added to this motion. City Administrator Ulrich commented that is a separate ordinance, so the change would come back. Police Chief Katers stated that it would be a clean-up item and would like to also introduce that tonight. City Administrator Ulrich clarified that the language could be added to the motion. Councilmember Musgrove clarified the language of her motion and Councilmember Specht reconfirmed his second. The updated motion is as follows:

Motion by Councilmember Musgrove, seconded by Councilmember Specht, to introduce Ordinance #21-08 amending Chapter 10, Article III, eliminating Section 10-57 – Individual Dog Licensing and rewording of Section 10-58 – Tags with the addition of the proposed changes to Section 10-65.1 as recommended by the City Attorney.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Musgrove, Specht, Howell, Riley, and Woestehoff. Voting No: None.

7.02: Adopt Resolution #21-007 Approving Preliminary Plat for Northfork Meadows, Case of Lennar (Project #20-135)

Deputy City Administrator Gladhill reviewed the staff report and recommendation of the Planning Commission to adopt Resolution #21-007.

Councilmember Riley stated that along the eastern edge there are 80-foot lots, which are allowed by zoning. He asked if the proposed buffering would also be allowed per zoning.

Deputy City Administrator Gladhill confirmed both those statements to be true. He stated that the proposed lots meet the minimum lot size requirements and also include the 35-foot buffer area, which the City would own under fee title. He explained that the City has learned that easement over private property is not the preferred method for that purpose.

Councilmember Musgrove asked for more information on the strip of land and asked how the developer would construct the berm on that area if it will be an outlot owned by the City.

Deputy City Administrator Gladhill replied that similar to other public improvements, the developer is required to build the improvement which would then be deeded to the City.

Councilmember Musgrove asked when the transfer to the City would occur and how that would impact the typical two-year tree guarantee period.

Deputy City Administrator Gladhill replied that typically the development agreements include three years of maintenance and replacement of landscaping by the developer.

Councilmember Musgrove stated that she did visit the site with some residents and noted that some of the mature trees are near the property line and if they are removed it could impact the adjacent fences. She stated that she was glad to hear there will be discussion of how some of those trees could possibly remain in place. She asked if all berms must have equal slopes on each side.

Deputy City Administrator Gladhill commented that staff can have that conversation with the developer prior to final plat depending upon the flexibility provided by the Council. He stated that staff has taken the approach of where the berm could be stopped to protect additional trees rather than changing the slope. He stated that if the slope is changed that could cause problems with drainage and erosion for adjacent properties. He noted that the berm could be stopped short on the southern tip to protect additional trees if desired.

Mayor Kuzma invited members of the public to provide input.

Leslie Clark, 15150 Kangaroo Street, stated that she has become the spokesperson for her neighbors. She stated that there has been recent confusion about which trees will remain and which will be removed, so she would like clarification on that aspect. She commented that there are very mature trees that provide a good buffer, but they are eight to ten feet into the developer's property. She hoped that perhaps those mature trees could be preserved as that would provide a better buffer than a berm with new plantings. She commented that the residents have done a lot of compromising with the City and previous developers in order to agree upon the density for the site and just want to find the best compromise for the buffer.

Deputy City Administrator Gladhill stated that staff can continue the discussions with residents and the developer. He stated that staff believed that the buffer and berm with plantings was the desire of the neighbors. He stated that they can continue discussions prior to construction and could bring that back to the Council. He suggested that flexibility be given for the berm if that is the desire of the Council.

Councilmember Riley asked if there would be future ramifications if the berm design is changed.

Deputy City Administrator Gladhill commented that they would not want to skip lots for the berm but if the last three lots would prefer to preserve the existing trees rather than have the berm, staff would be agreeable as long as that is agreed upon in writing. He did not believe there would be long-term ramifications as future homeowners would be buying into the situation already in existence.

Councilmember Howell commented that she would prefer to preserve larger mature trees to the extent possible.

Motion by Councilmember Specht seconded by Councilmember Musgrove, to Adopt Resolution #21-007 Approving Preliminary Plat of Northfork Meadows, contingent upon work with adjacent neighbors and developer to finalize the landscaping and density transition plan to balance and preserve as many trees as possible while meeting the minimum density transitioning requirements.

Further discussion: Josh Metzer, Lennar, stated that they will do what they can to preserve existing trees, but they would need to first define which trees are on the developer property and which are on adjacent properties to the east. He stated that there will be a graded swale on the eastern property to create the berm and manage stormwater to move south to the stormwater system. He stated that in order to do that, most trees along the property line would need to be removed. He stated that if the stormwater plan can work while preserving trees, they would attempt to do so. He stated that the tree buffer ordinance is very specific on the number of trees that need to be planted per foot, and therefore he would ask that any action specify that for every tree preserved, that would be one less tree required to be planted. He asked if the project engineer could provide input on the grading near that southern boundary and if it would be possible to even preserve trees in that location. Nathan Hermer, ISG, stated that he reviewed the grading prior to the meeting, and it does appear that this could perhaps work to save some trees in that area. Deputy City Administrator Gladhill stated that the developer requested that for every tree preserved one be removed from those that need to be planted. He stated that he would suggest that would apply to those trees that would be required to be planted adjacent to that lot and not just allowed to be removed from somewhere else on the site. Councilmember Specht commented that he worked with staff to develop the language he proposed in his motion which he feels gives staff the flexibility to work with the developer and neighbors without becoming too specific. Councilmember Musgrove asked if staff is comfortable with the motion as stated. Deputy City Administrator Gladhill confirmed that staff is comfortable with the motion language as proposed. Councilmember Musgrove asked if there would still be a berm in the area to the south where trees could be preserved. Deputy City Administrator Gladhill stated that the berm could taper off and stop short, leaving the existing plantings. He noted that staff will continue to have the discussions recognizing that the developer has come forward with the desired buffer as directed.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Musgrove, Howell, Riley, and Woestehoff. Voting No: None.

7.03: 2021 Legislative Platform

City Administrator Ulrich reviewed the staff report and recommendation to adopt the 2021 City of Ramsey Legislative Platform as presented.

Councilmember Howell referenced the item related to the Governors Executive Order and local control. She stated that many people are running out of time with their finances and businesses and would like to see that item as a high priority.

Councilmember Musgrove agreed. She commented that the Executive Orders impact local control and agree that should be moved up. She asked for more information on TIF districting, specifically if extending the district would keep those funds within The COR rather than placing them on the levy which would benefit the City as a whole.

City Administrator Ulrich explained that typically there is a limited amount of time to complete TIF projects within the District. He stated that the TIF district does capture all of the taxing jurisdiction dollars for primarily infrastructure related improvements within that area. He stated that if those improvements are not funded through the TIF districts, they would be projects that

Ramsey would need to fund through its general fund or other City funds. He stated that if the district were decertified those funds would be distributed to Anoka County and other taxing entities. He reviewed some of the infrastructure that is being paid for through TIF, noting that the cost for those improvements continues to be paid back through the TIF district. He noted that there are also a number of future infrastructure needs that would continue to make The COR viable for additional commercial development. He stated that the TIF district continues to make the opportunity for commercial and business development more attractive and viable.

Mayor Kuzma commented that it also allows Ramsey to be more competitive with other communities that have TIF available.

Councilmember Musgrove asked the length of the extension.

City Administrator Ulrich replied that this extension would be for five years and confirmed that an additional extension could be considered if desired at that time. He commented that there is an eventual lifespan of the TIF district.

Councilmember Woestehoff stated that he likes the idea of pulling some of the policy items for additional discussion. He stated that the item related to the Governors Executive Order does not seem to have much description to it. He understood and agreed that small businesses are struggling but did not think the finger could be pointed at one person. He commented that it is a broad statement that he does not agree with and would want to see it narrowed down.

Councilmember Specht commented that he agrees with Councilmember Howell that there is an issue of timeliness in getting that control away from one person and back to local authorities.

Motion by Councilmember Specht, seconded by Councilmember Musgrove, to Adopt the 2021 City of Ramsey Legislative Platform as presented.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Musgrove, and Riley. Voting No: Councilmembers Howell and Woestehoff.

7.04: Adopt Resolution #21-046 Resolution Supporting Legislation Adopting Minnesota Tax Conformity for Payroll Protection Plan (PPP) Loans

City Administrator Ulrich reviewed the staff report and recommendation to adopt Resolution #21-046.

Councilmember Riley commented that this is help to almost all Ramsey businesses that would conform to federal guidelines as to taxing for PPP loans. He stated that without acting, Minnesota is saying that they want part of that back. He commented that he is a CPA and there is a lobbyist on behalf of the CPAs moving on this, noting that this is also supported by the National Association of CPAs. He stated that Minnesota stated that this change would result in a loss of income for the State, but the State did not count on this revenue as it did not exist before the Federal Government allocated these funds to help businesses and therefore it should not be seen as a reduction in income for Minnesota. He asked that the other members of the Council support this proposed action.

Councilmember Woestehoff commented that he agrees with Councilmember Riley and noted that this would be participation in a very specific manner that impacts Ramsey businesses, whereas the statement he previously opposed was a broad stroke statement. He appreciated that this item is moving forward and hoped for the support of the Council.

Councilmember Howell stated that she will also be supporting this item. She stated that she has spoken with many small business owners and not all of them qualified for PPP. She stated that many small business owners do not qualify for unemployment and therefore additional solutions need to be found for those that have been left out.

Mayor Kuzma stated that he agrees that small businesses should not be taxed on the PPP loans.

Councilmember Musgrove commented that she is glad that this is moving forward, and that the City worked with its legislators on this issue. She stated that this is not a standalone issue in terms of taxing, as there are many instances in which Minnesota does not conform with Federal taxing.

Motion by Councilmember Riley, seconded by Councilmember Woestehoff, to Adopt Resolution #21-046 Supporting Legislation Adopting Minnesota Tax Conformity for Payroll Protection Plan (PPP) Loans.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Woestehoff, Howell, Musgrove, and Specht. Voting No: None.

7.05: Adopt Resolution #21-044 Adopting Concept Level Layout Review Comments on Anoka County's Interim Improvements Proposed to Bunker Lake Boulevard/County Road 116

City Engineer Westby reviewed the staff report and recommendation to adopt Resolution #21-044 adopting concept level layout review comments on Anoka County's interim improvements proposed to Bunker Lake Boulevard/County Road 116.

Councilmember Riley referenced the signal system that would be put in at Sunwood and Bunker and asked if the traffic number indicate that is a needed improvement.

City Engineer Westby replied that the warrant numbers have been met for that intersection.

Councilmember Riley asked which intersections would be temporarily restricted, which would be permanently restricted, and where medians would be proposed.

City Engineer Westby replied that the intersections proposed to have a concrete median island would be 143rd Avenue and Basalt Street. He stated that the County is also reviewing a median at the access into Altron, north of 143rd, along with temporary restrictions at Limonite and the access to Connexus.

Councilmember Riley asked if there would be a through median all the way down Bunker, similar to other segments of Bunker.

City Engineer Westby replied that the red line shown on the sketch in the case is a proposed narrow raised concrete median. Staff identified those areas on the sketch and explained the path traffic would need to take to access certain sites. He confirmed that the actions would impact numerous businesses.

Councilmember Specht commented that he would not want to impact businesses in that manner. He recognized that it is in the hands of the County but wanted to ensure that the comment is passed on from the City. He referenced the proposed lights for Sunwood and Bunker and asked if those would be needed to manage actual traffic or anticipated traffic from Highway 10.

City Engineer Westby replied that the County claims that intersection currently meets the warrants.

Councilmember Specht commented that he did not see that as a benefiting improvement, as it would simply be another stop for vehicles traveling the roadway. He asked for clarification on the ability to turn on Limonite.

City Engineer Westby replied that would become a right-in/right-out as a temporary condition with the intent for it to become a permanent improvement when Bunker Lake Boulevard is constructed to its full design in 10 to 20 years.

Councilmember Specht commented that there is sufficient space for a vehicle to wait to turn left onto Limonite without disrupting traffic and therefore did not feel that is a needed improvement.

Councilmember Musgrove asked if the JPA is active with regular meetings or whether meetings are held only when a project comes forward.

City Engineer Westby replied that the JPA was adopted in 2005 between the County and City and it guides Public Works improvements throughout The COR. He commented that it is active, still used and still enforced. He stated that the JPA could be amended.

Councilmember Musgrove stated that she would like to see additional study of the JPA as she is unsure of the input the City would have based on the JPA. She stated that she is concerned with the impacts to trucks and semis attempting to access the businesses.

City Engineer Westby replied that Anoka County is aware of the business park and that there is a large volume of trucks, therefore it will be designed to accommodate heavy truck traffic.

Councilmember Riley stated that he would assume everyone supports the turn lanes and improvements but would like to see stronger language related to the restrictions and business impacts. He stated that there are many businesses off 143rd, many residents off Limonite, and Connexus, which is one of the biggest businesses in Ramsey that would be impacted. He stated that the description of temporary for an improvement is not typically 10 to 20 years.

Mayor Kuzma asked if there could be a meeting with MnDOT to review these details.

City Engineer Westby replied that MnDOT attended a virtual meeting in January and had no comments on the access restrictions. He confirmed that the comments would need to be discussed with Anoka County. He asked for direction on the stronger term preferred to replace concern.

Councilmember Riley suggested strongly objects to.

Councilmember Specht suggested has grave concerns.

City Engineer Westby asked and received consensus of the Council to use strongly opposes.

Motion by Councilmember Riley, seconded by Councilmember Specht, to Adopt Resolution #21-044 Adopting Concept Level Layout Review Comments on Anoka County's Interim Improvements Proposed to Bunker Lake Boulevard/County Road 116, with the changes as discussed and direction for staff to continue meeting with the County in attempt to gain the best design possible.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Specht, Howell, Musgrove, and Woestehoff. Voting No: None.

7.06: Adopt Ordinance #21-05 Vacating Easement for Riverstone 5th Addition

Deputy City Administrator Gladhill reviewed the staff report and recommendation to adopt Ordinance #21-05.

Councilmember Musgrove asked for additional details on the request.

Deputy City Administrator Gladhill identified the easement proposed for vacation and provided background information on the request.

Motion by Councilmember Riley, seconded by Councilmember Howell, to waive the Charter requirement to read the ordinance aloud and adopt Ordinance #21-05 Vacating a 60 Foot Drainage and Utility Easement Related to Riverstone 4th Addition.

A roll call vote was performed:

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

Motion carried.

7.07: Authorize Staff to Submit Application to Legislative-Citizen Commission on Minnesota Resources, and Minnesota DNR for Tree Preservation for Riverstone South (Project No. 19-152); Case of Capstone Homes

Deputy City Administrator Gladhill reviewed the staff report and recommendation to authorize staff to prepare and submit grant applications for either or both, Legislative-Citizen Commission on Minnesota Resources (LCCMR) and DNR Natural and Scenic Areas Grants.

Councilmember Riley stated that additional sources of funds were mentioned and asked if any of those would come from the lottery.

Deputy City Administrator Gladhill stated that some of those applications have a yearlong review process. He stated that these are competitive grants and go through a scoring process. He stated that the other opportunities are more for the 2023/2024 funding cycle.

Councilmember Howell asked what the City would be required to fund in a scenario that requires a 50 percent match.

Deputy City Administrator Gladhill estimated the cost of the property to be about $350,000, therefore 50 percent would be $175,000. He stated that if the timing does not work out, the City could continue discussions with the developer.

Councilmember Musgrove commented that there are a lot of restrictions that would be placed on the seven acres if the grant is obtained and asked if there has been discussion with the parks department to ensure that they are aware of the restrictions.

Deputy City Administrator Gladhill replied that Parks and Assistant Public Works Superintendent has been an integral part of this process. He noted that the seven acres is intended to be preserved in its natural state and this would not be developed into an active park. He stated that the one-acre park would be provided for recreational opportunity.

Councilmember Musgrove commented that forest is very special and therefore she would like to preserve that area to the extent possible, noting that it will also provide a barrier between the neighborhoods.

Councilmember Riley asked at what point the City could say the area does not need to be preserved if funding cannot be obtained.

Deputy City Administrator Gladhill replied that if the City is not successful in gaining funding, it would need to think about a contingency. He recognized that there are some variables but believed the City would be successful in gaining some type of funding. He stated that is a question the Council could discuss if it comes to that point.

Motion by Councilmember Specht, seconded by Councilmember Musgrove, to authorize staff to prepare and submit Grant Applications for LCCMR as well as DNR Natural and Scenic Areas Grants.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Musgrove, Howell, Riley, and Woestehoff. Voting No: None.

8. MAYOR, COUNCIL AND STAFF INPUT

City Administrator Ulrich announced upcoming meetings and events.

Councilmember Specht thanked the Boy Scout Troops #3204 and #5204 for allowing him to speak to them recently about local government.

9. ADJOURNMENT

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

Motion carried.

The regular meeting of the City Council adjourned at 8:41 p.m.

Respectfully submitted,

_____
Kurtis G. Ulrich
City Administrator

ATTEST:

_____
Katie M. Schmidt
Deputy City Clerk

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

A recording of this meeting is available for viewing online at www.qctv.org <http://www.qctv.org>. Recordings are available for 36 months after the date of the meeting.

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

RESOLUTION #21-065

RESOLUTION APPROVING FINAL VERSION OF PRELIMINARY PLAT IN REGARDS TO DENSITY TRANSITION AND TREE PRESERVATION FOR NORTHFORK MEADOWS

WHEREAS, US Home Corporation dba Lennar, hereafter referred to as "Developer," properly applied for a revision to their Preliminary Plat approval of the following described property located in the City of Ramsey generally described as Northfork Meadows and legally described as:

Outlot A and Outlot C, Alpha Development, Anoka County, Minnesota

(the 'Subject Property');

WHEREAS, the City Council reviewed the preliminary plat on February 9, 2021 and approved with contingencies to work with adjacent property owners and solidify the tree preservation plan and density transitioning; and

WHEREAS, City Staff, Applicant, and adjacent property owners have agreed to the 35 foot buffer with berm for density transitioning and associated tree preservation.

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 final version of the preliminary plat and resolves the density transition and tree preservation plan for Northfork Meadows.

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 _____ day of _____, 2021.

_____
Mayor

ATTEST:

_____

City Clerk

CC Regular Session **5. 10.**

Meeting Date: 03/09/2021

By: Katie Schmidt, Administrative Services

Information

Title:

Adopt Resolution #21-038 Hiring a Patrol Officer

Purpose/Background:

The purpose of this case is to request the City Council to hire a Patrol Officer.

Patrol Officers perform responsible police work involving the protection and safety of the community through prevention and control of crime, maintaining or restoring public order, investigating crime, regulating traffic, enforcing laws, and providing emergency services; as well as other related duties as required.

This Recruitment

As part of the 2021 budgeting process, funding was included in the budget for a new Patrol Officer. Staff conducted a recruitment and a finalist was selected. The finalist participated in and passed the physical agility testing, two interviews, a "shoot/don't shoot video scenario, an extensive background investigation and a psychological assessment. All new Patrol Officers are subject to the Law Enforcement Labor Services union contract, including a 1-year probation period.

Subsequent Recruitment

In December 2020, the City Council approved Resolution #20-307 to accept a grant for dedicated DWI enforcement and to authorize an additional Police Officer hire in 2021. Staff attempted to fill both Patrol Officer openings in the recruitment listed above; however, the candidate pool was not sufficient to hire the second Officer. Human Resources will begin a second recruitment as soon as possible, which is expected to be this week, with authorization to hire in June and a start date in early July.

With the added Officer (approved due to the DWI enforcement grant) the Police Department's sworn officer structure is as follows: Police Chief (1), Captains (2), Sergeants (4), and Patrol Officers (20), including: 3 Investigators, 1 Drug Task Force Officer, 2 Community Resource Officers and 14 Officers assigned to patrol duty. This structure totals 29 Police Officers. It is important to note that the Patrol Officers not currently assigned to patrol duty are fully able to work in that capacity should the need arise.

Note: At the time this recruitment was posted, the 2021 contracts were not settled. As a result, the attached position description lists the 2020 hourly wage. The wage and required funding shown below reflects the figures for 2021.

Funding Source:

The funding required to fill this position has been accounted for in the 2021 budget at $72,617. However, with a later start date the funding requirement will be approximately $67,239.

Recommendation:

Staff recommends hiring Mr. Matthew Barker as the Police Department's newest Patrol Officer effective on or near April 1, 2021, at step 1 of the 2021 pay scale which is $28.35 per hour.

Action:

Motion to adopt resolution #21-038, hiring Mr. Matthew Barker as the Police Department's newest Patrol Officer effective on or near April 1, 2021 at step 1 of the 2021 pay scale which is $28.35 per hour.

Attachments

#21-038

Job_Description

Form Review

Inbox	Reviewed By	Date
Colleen Lasher	Colleen Lasher	03/04/2021 09:44 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:25 AM
Colleen Lasher	Colleen Lasher	03/04/2021 12:56 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 01:56 PM
Form Started By: Katie Schmidt		Started On: 01/26/2021 12:09 PM
Final Approval Date: 03/04/2021		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION #21-038

RESOLUTION TO HIRE A PATROL OFFICER

WHEREAS, the 2021 budget included funding for a new Patrol Officer position; and

WHEREAS, a recruitment process was conducted; and

WHEREAS, Mr. Matthew Barker has been selected by staff to fill the position; and

WHEREAS, Mr. Matthew Barker successfully passed the City's pre-employment checks, including: reference checks, background and driving record checks, pre-employment assessments, and pre-employment physical and drug screen; and

WHEREAS, all Patrol Officers are subject to the Law Enforcement Labor Services union contract, including a 1-year probation; and

WHEREAS, Staff recommends hiring Mr. Matthew Barker effective on or near April 1, 2021, at step 1 of the 2021 pay scale, which is $28.35 per hour.

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

1) Motion to adopt resolution #21-038 hiring Mr. Matthew Barker to the position of Patrol Officer, effective on or near April 1, 2021 at $28.35 per hour, which is step 1 of the 2021 wage scale.

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 9th day of March 2021.

_____
Mayor

ATTEST:

_____
City Clerk

Patrol Officer

Class Code: 15008-A

Bargaining Unit: Patrol

CITY OF RAMSEY
Established Date: Aug 3, 2017
Revision Date: Dec 16, 2020

SALARY RANGE

$27.32 Hourly

PRIMARY OBJECTIVE OF POSITION:

Patrol Officers perform responsible police work involving the protection and safety of the community through prevention and control of crime, maintaining or restoring public order, investigating crime, regulating traffic, enforcing laws, and providing emergency services; as well as other related duties as required.

This is an LELS Union position

Starting wage is $27.32/hour which is Step 1 of the 2020 wage scale

MINIMUM QUALIFICATIONS:

- Must possess an Associate's degree in Criminal Justice, Law Enforcement or equivalent qualifications meeting the State of Minnesota's requirements to become an Officer
- Must be P.O.S.T. full-time licensed or eligible to be P.O.S.T. full-time licensed by January 11, 2021
- Must possess a valid driver's license
- Must be available and satisfactorily pass our physical agility test Saturday, January 23rd
- Must satisfactorily pass a criminal history investigation
- Must satisfactorily pass a psychological examination
- Must satisfactorily pass a physical examination and drug screen

ESSENTIAL JOB FUNCTIONS:

- Patrol Duties
- Traffic Law Enforcement
- Crime Scenes
- Prosecutor Assistance
- Equipment
- Compile Reports

KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of police procedures and techniques including operation of police vehicles, radios, radar, computers, and related equipment
- Knowledge of federal, state, and local laws, and of department rules and regulations
- Skilled in handling and discharging firearms with accuracy and in a safe manner
- Skilled in driving a motor vehicle, sometimes under adverse conditions and at high speeds
- Ability to communicate effectively in English; this includes speaking, reading, writing, and comprehending
- Ability to independently assess situations and determine appropriate action and to respond quickly and appropriately to crises and emergency situations
- Ability to cope with situations firmly, courteously, tactfully, and with respect to citizens' rights
- Ability to see, hear, and remember people, facts and circumstances
- Ability to communicate effectively and tactfully with others to maintain order, including dealing with difficult or violent people
- Ability to maintain confidentiality, prioritize duties, and work independently without direct supervision

JOB ACTIVITY REQUIREMENTS:

The following are the physical activities that are associated with this position:

- Standing
- Sitting
- Walking
- Lifting
- Pushing/Pulling
- Carrying
- Climbing
- Kneeling
- Crawling
- Crouching
- Bending at waist
- Reaching
- Handling Objects
- Repetitive Hand Motion

- Stationary desk or bench work

This job requires employees to be able to lift and carry up to 100 pounds.

The following are the working conditions of this position:

- Working Outdoors
- Working Indoors
- Operating motor vehicles
- Working with chemicals
- Working near fumes and vapors
- Driving a City vehicle or personal vehicle
- Driving is an essential function of this job

CC Regular Session **5. 11.**

Meeting Date: 03/09/2021

By: Colleen Lasher, Administrative Services

Information

Title:

Adopt Resolution #21-069 Updating the Council, Board, Authority and Committee Appointments Due to the finalized Ward 1 Councilmember Election.

Purpose/Background:

The purpose of this case is to update the Council, Board, Authority and Committee appointments due to the finalized Ward 1 Councilmember Election.

The City Council met in work session this evening and discussed several potential updates to the appointments and assignments now that Councilmember Heineman is now seated. The attached resolution, by the time of the regular meeting at 7:00 pm, will show the recommended updates.

Funding Source:

N/A

Recommendation:

Staff recommends adopting the attached resolution.

Action:

Motion to adopt Resolution #21-069 to update the Council, Board, Authority and Committee appointments due to the finalized Ward 1 Councilmember Election.

Attachments

UPDATED Resolution #21-069A

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/09/2021 02:35 PM
Form Started By: Colleen Lasher		Started On: 03/09/2021 01:41 PM
Final Approval Date: 03/09/2021		

Councilmember …….introduced the following resolution and moved for its adoption:

RESOLUTION #21-069

RESOLUTION UPDATING THE COUNCIL, BOARD, AUTHORITY AND COMMITTEE APPINTMENTS DUE TO THE WARD 1 COUNCILMEMBER ELECTION

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

1) That the Acting Mayor, Council standing committees, Ramsey/Nowthen Joint Powers Board, Economic Development Authority, County HRA, Health Authority, recording secretary and legal services designations, and delegate appointments are as follows:

		2021 Appointment (1 Year Appointment)	**Updated Appt. If Applicable**
a)	Acting Mayor	Chris Riley	
b)	Economic Development Authority *(term coincides with Council Term)*	Chris Riley *Second Member* [table] Chelsee Howell (Alt)	Chris Riley Chelsee Howell Ryan Heineman (Alt)
c)	Environmental Policy Board	Chelsee Howell Debra Musgrove (Alt)	
d)	Happy Days Committee	Dan Specht *Vacant* (Alt)	Dan Specht Ryan Heineman (Alt)
e)	Highway 10 Committee	Mark Kuzma Chris Riley Dan Specht Kurt Ulrich	
f)	Park and Recreation Commission	Debra Musgrove *Vacant* (Alt)	Ryan Heineman Debra Musgrove (Alt)
g)	Planning Commission	Debra Musgrove Matt Woestehoff (Alt)	Matt Woestehoff Debra Musgrove (Alt)
h)	Public Works Committee	Debra Musgrove Chris Riley Matt Woestehoff Chelsee Howell (Alt)	
i)	Public Advisory Committee (PAC) of the NW Metro Mississippi River Crossings Feasibility Analysis	Debra Musgrove Dan Specht (Alt)	

		2021-2022 Appointments (2 Year Appointments)	
j)	Anoka County Fire Protection Council	Matt Woestehoff Dan Specht (Alt)	Ryan Heineman Dan Specht (Alt)
k)	Anoka County Joint Law Enforcement Council (JLEC)	Jeff Katers Chelsee Howell Dan Specht (Alt)	
l)	Lower Rum River Watershed Management Organization (LRRWMO)	Debra Musgrove Chris Riley (Alt)	
m)	North Metro Mayors Association: Operating Committee Management Committee	Mark Kuzma Kurt Ulrich	
n)	Quad Cities Cable Communications Commission	Matt Woestehoff Kurt Ulrich	
o)	Ramsey/Nowthen Joint Powers Board	Mark Kuzma Debra Musgrove Matt Woestehoff (Alt)	
p)	Youth First	Michelle Anderson Tim Frankfurth Dan Specht Cory Gardner (Alt) Matt Woestehoff (Alt)	

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 9th day of March 2021.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session **7. 1.**

Meeting Date: 03/09/2021

By: Brian McCann, Community Development

Information

Title

Adopt Resolution #21-050 Approving a Non-Traditional Animal License at 5715 150th Lane NW (Project No. 21-107); Case of Miguel and Breeka Jaramillo

Purpose/Background:

The City has received an application for a Non-Traditional Animal License from Miguel and Breeka Jaramillo (the "Applicants") to maintain one (1) fainter/mini-cross goat on the property located at 5715 150th Lane NW (the "Subject Property").

Notification:

City Staff attempted to notify property owners within 350 feet of the Subject Property, per Anoka County property records, of the request and the public comment period via standard postal service.

Observations/Alternatives:

Summary

City Staff received a complaint of a goat residing on the premises at 5715 150th Ln NW on August 4, 2020. The complaint was forwarded from the Police Department to the Community Development Department after other violations on site were resolved. Since August, City Staff has been working with the current tenants, Miguel and Breeka Jaramillo, father and daughter, to receive a Non-Traditional Animal License for their fainter/mini-cross goat - Oakley. The application was delayed to allow time for Breeka to return from military deployment before officially applying. Official notices of violation were sent August 4, 2020, October 7, 2020, and January 19, 2021. An administrative citation was sent with the August 4, 2020 notice of violation, and was paid on February 16, 2021.

The Applicants have applied for a Non-Traditional Animal License to maintain one (1) mini-cross/fainter goat on the Subject Property. Fainting goats are generally equivalent in size to a medium sized dog (e.g. golden retriever or Labrador retriever), and can weigh upwards of 50-60 pounds at maturity. The Applicants currently have one dog as a pet as well. The addition of the one (1) miniature fainting goat would be similar to the Applicants seeking to maintain an additional dog on the Subject Property.

The Applicants have allowed City Staff to inspect the property in which it was noted that they have a small, fenced in enclosure (about three [3] feet in height), consisting of wood, that serves as the miniature fainting goats' primary containment area. Inside the enclosure, there is a small shelter for the goat to provide housing and an area to feed. The structure is approximately six (6) feet tall with hay and other food materials stored inside for the miniature fainting goat to eat from. Another structure is just outside of the enclosure which houses the four (4) chickens on the property. The chicken coop is approximately the same height as the goat's shelter, and is used to shelter the chickens. Both structures meet the setbacks requirements of the Subject Property's zoning district, and the exterior standards for accessory structures, although neither structure has a permit. The Applicants are aware of they will have to apply for a zoning permit for the structures, and has been added as a condition within the draft Non-Traditional Animal License.

The Applicants have stated that the one (1) miniature fainting goat would be a pet, and an emotional support animal that will be both indoor and outdoor animal. Oakley also acts as a support animal for autistic children that the Applicant works with. The Applicants have provided evidence of a petition with over 400 signatures (majority appear to not be Ramsey residents but online support) in support of maintaining the mini-cross fainter goat on the

Subject Property, as well as many testimonials from neighbors and friends. They have also stated their intent to speak with neighboring property owners regarding the Non-Traditional Animal License, to get signatures of support. Notices of the request provided two (2) weeks for public comment on the request. As of the writing of this case, one letter of opposition has been received (see attached).

Alternatives

Alternative 1: Adopt Resolution #21-050 approving a Non-Traditional Animal License to maintain one (1) mini-cross/fainter goat at 5715 150th Lane NW. The request does appear reasonable and has the support of various members of the community. Staff supports this alternative.

Alternative 2: Do not approve a Non-Traditional Animal License for 5715 150th Lane NW. Staff does not support this alterative.

Funding Source:

This case is being handled as part of Staff's regular duties.

Recommendation:

Staff recommends adopting Resolution #21-050 approving a Non-Traditional Animal License for Miguel and Breeka Jaramillo to maintain one (1) fainter/mini-cross goat at 5751 150th Lane NW.

Action:

Motion to adopt Resolution #21-050 approving a Non-Traditional Animal License for Miguel and Breeka Jaramillo to maintain one (1) fainter/mini-cross goat at 5715 150th Lane NW.

Attachments

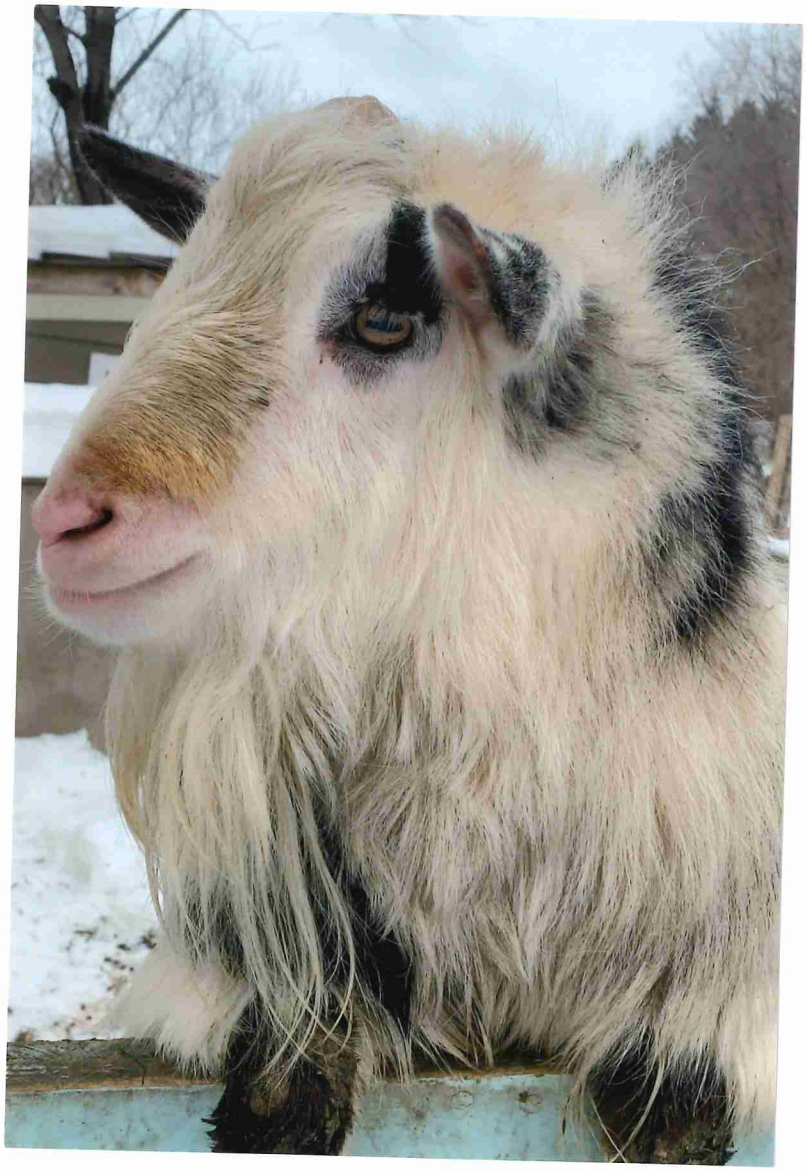
Site Plan
Pictures of Goat
Testimonials
NeighborComments
Res 21-050
Inspection Photos

Form Review

Inbox	Reviewed By	Date
Tim Gladhill	Tim Gladhill	03/03/2021 11:06 AM
Brian McCann (Originator)	Brian McCann	03/03/2021 11:27 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:46 AM
Form Started By: Brian McCann		Started On: 02/23/2021 11:08 AM
Final Approval Date: 03/04/2021		


The route I do when he does on walks with me
Pink is no longer there
Oakleys Playing/ Grazing area. (inside highlighted lines)
This Pen has been updated since this photo & is now larger)
Fire Pit
Concrete slab

Please take a moment to meet oakley, my fainter / mini-cross goat.



5715 150th Ln nw Ramsey mn 55303

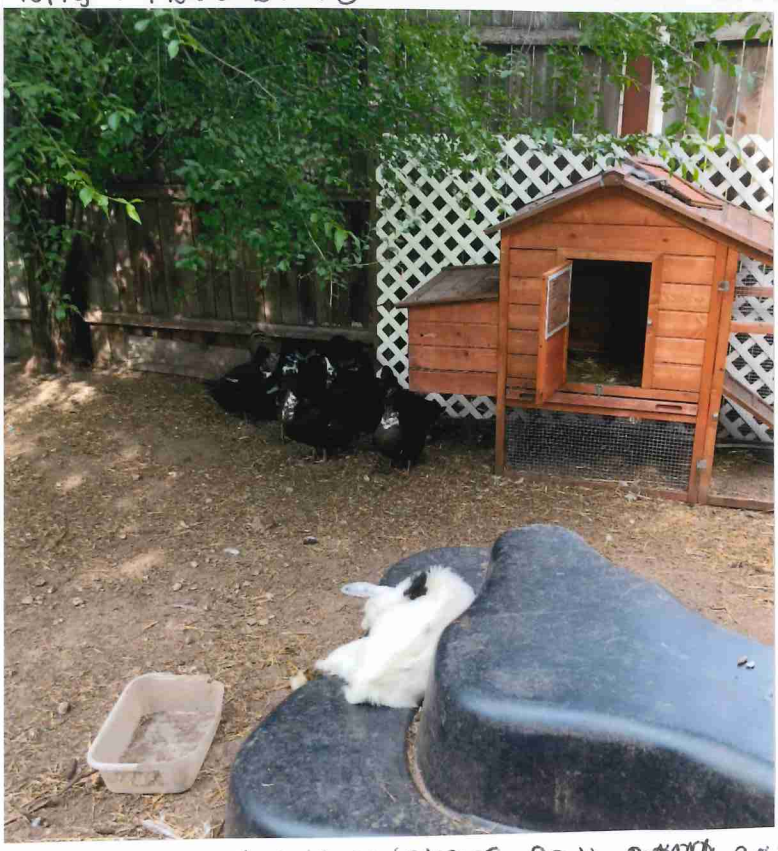
Breeka L. Jaramillo

non-Traditional animal license case.

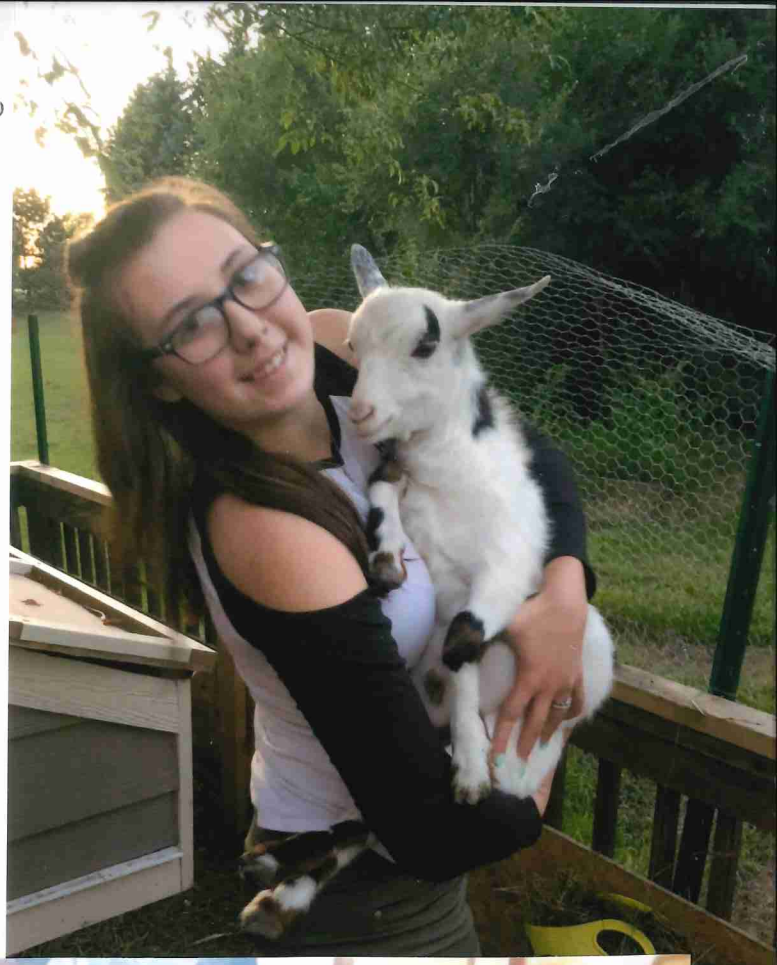
Included in these Pages:

- Photos of oakley and I
- Photos of oakleys enclosures
- Photos of oakley and friends
- oakleys grazing areas
- Photos of oakley himself.
- letters from friends of oakley
- non-traditional animal license application
- Payment for citation and the application.
- finally, a letter from me.

Oakley in another pen in 2018, we no longer have DUCKS.

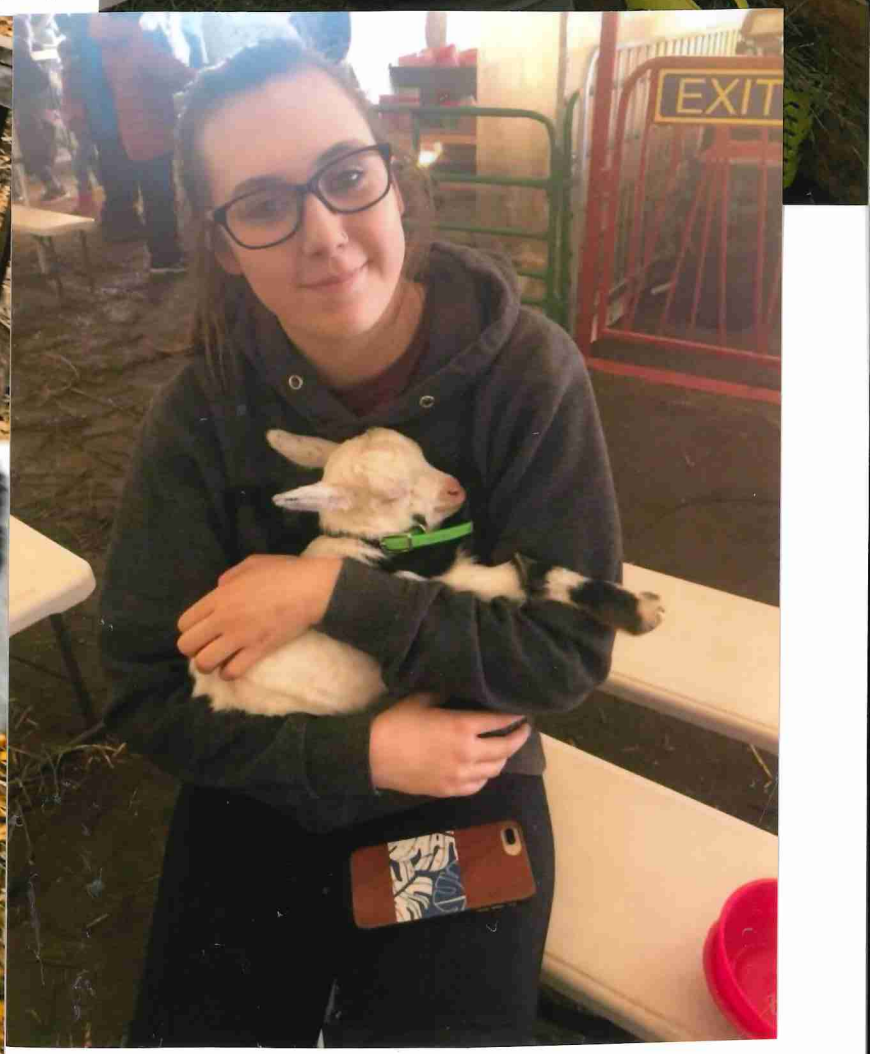


Oakley and his chickens fall 2019



Oakley and I, my first day of school 9/18

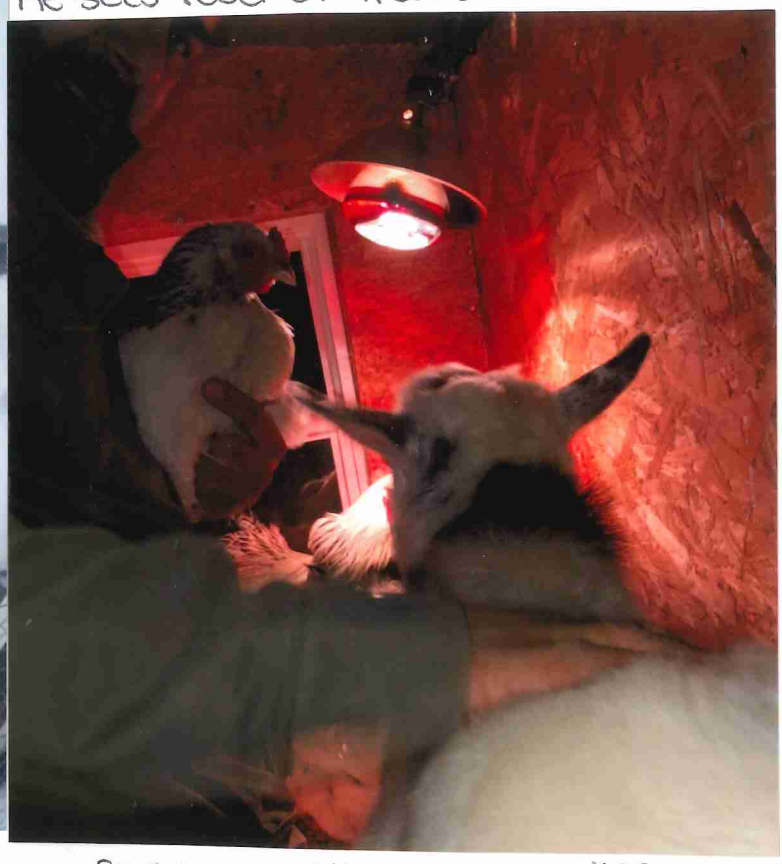




The day I met oakley, June 2018



oakley also sticks his tongue out if he sees food or treats.



oakley and my dad in the winter. he has a heat lamp if it gets too cold for him.

oakley and I on facetime while I was away for the military, he smiles every time he sees me.



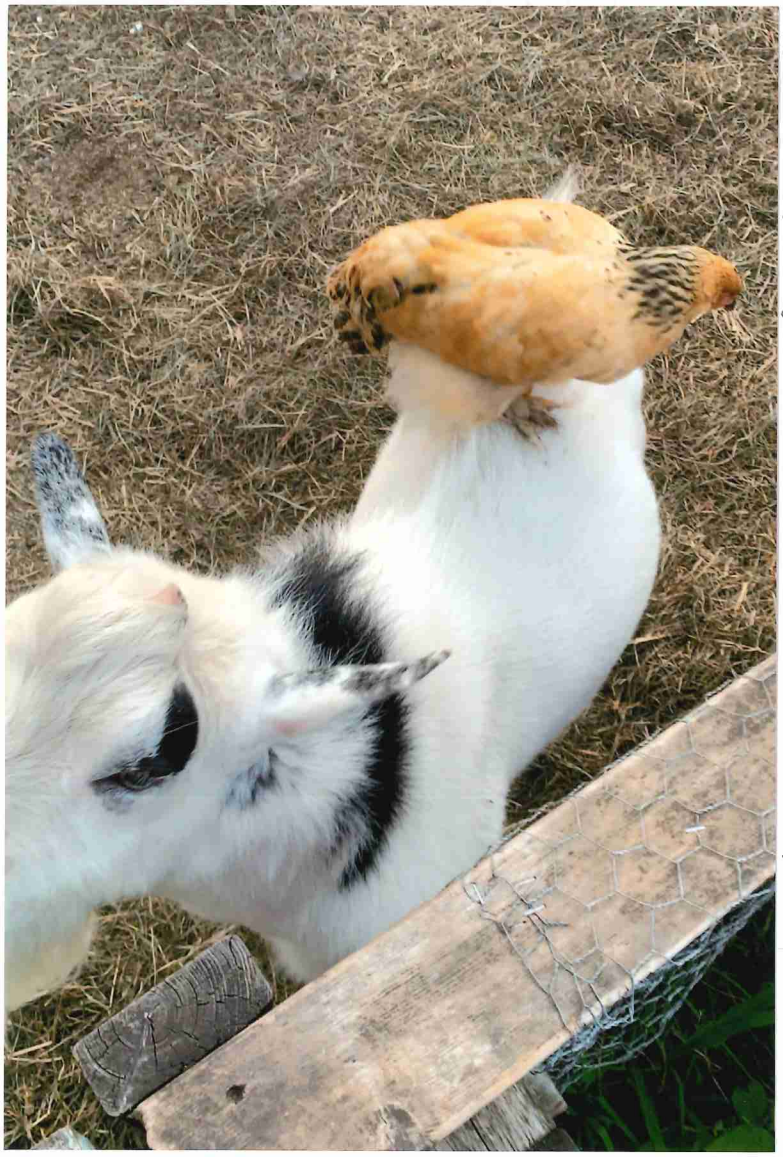


oakleys funny face after he ate strawberries.



2 of oakleys chickens cocoa and mocha. also Pets they enjoy snuggles and Pets.
Summer 2020

Oakley and his favorite chicken cocoa. ~~fall~~ fall 2020



cocoa is 1 year old (and mocha, they're twins)

oakley and I hangout daily for hours, we play, listen to music and I talk to him.
Spring 2020 2 years old

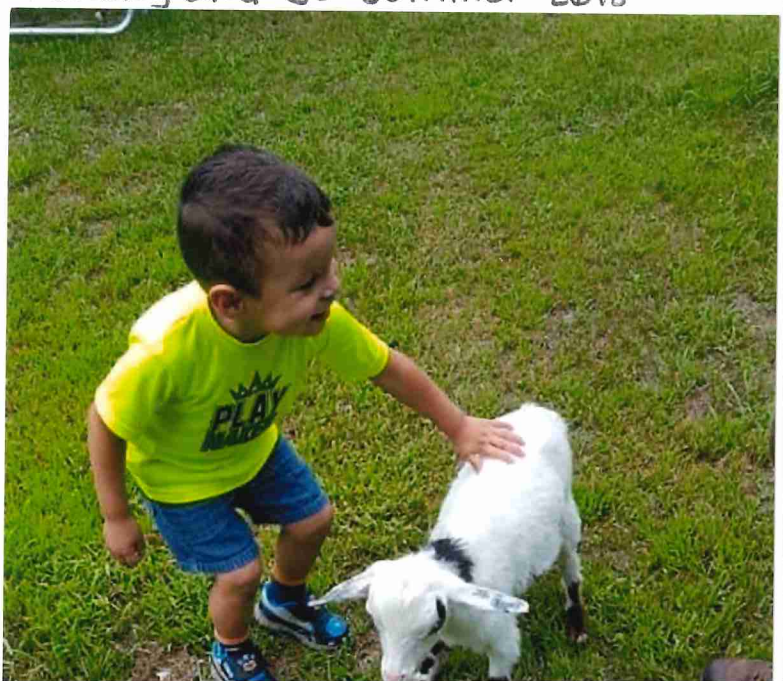


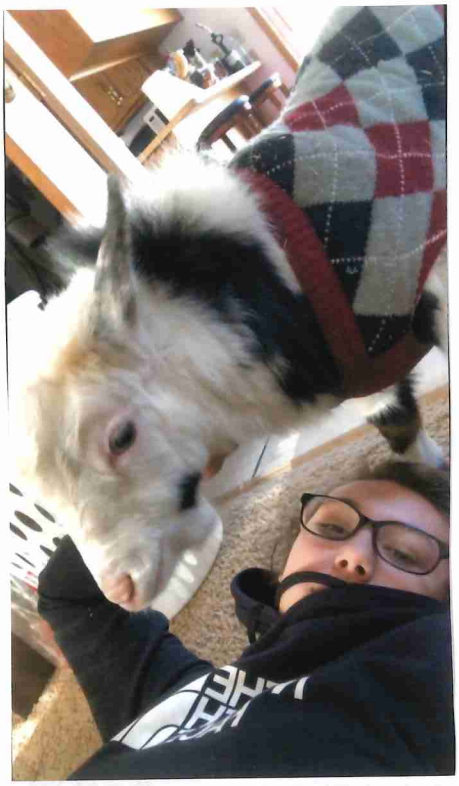
Photo of
of our
d in the
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s was my
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arty as well)



Oakley and S. summer 2018





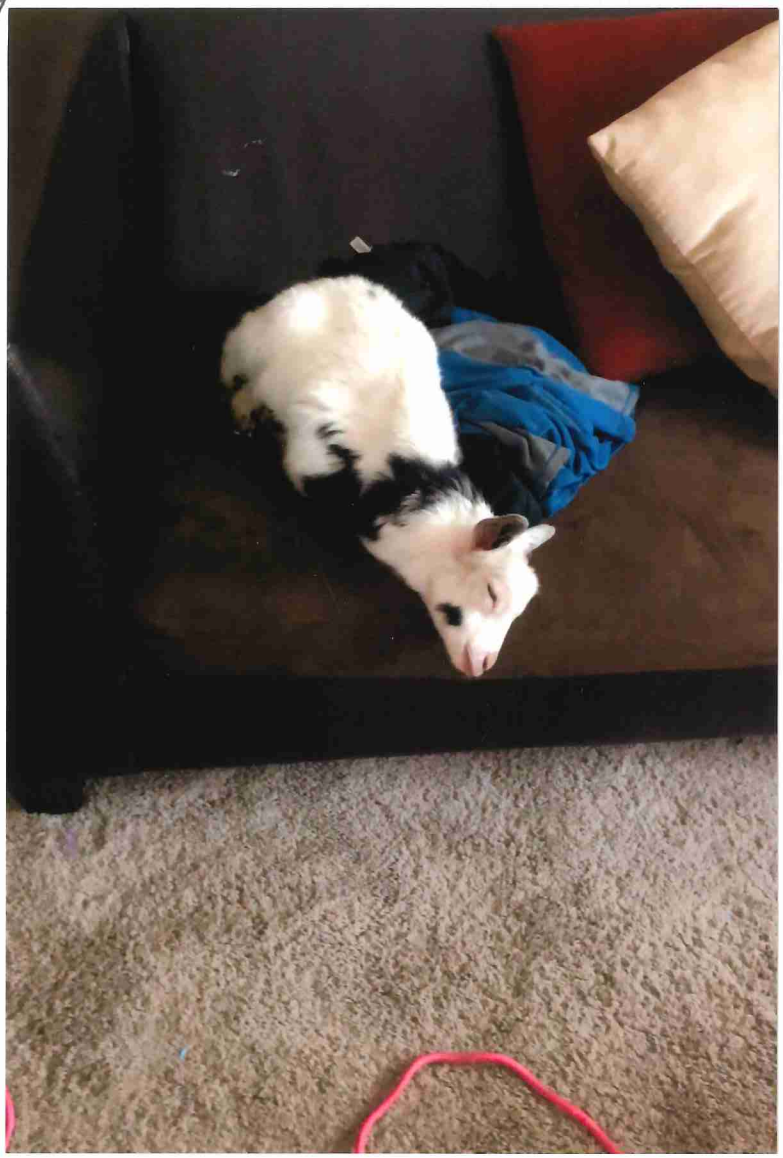


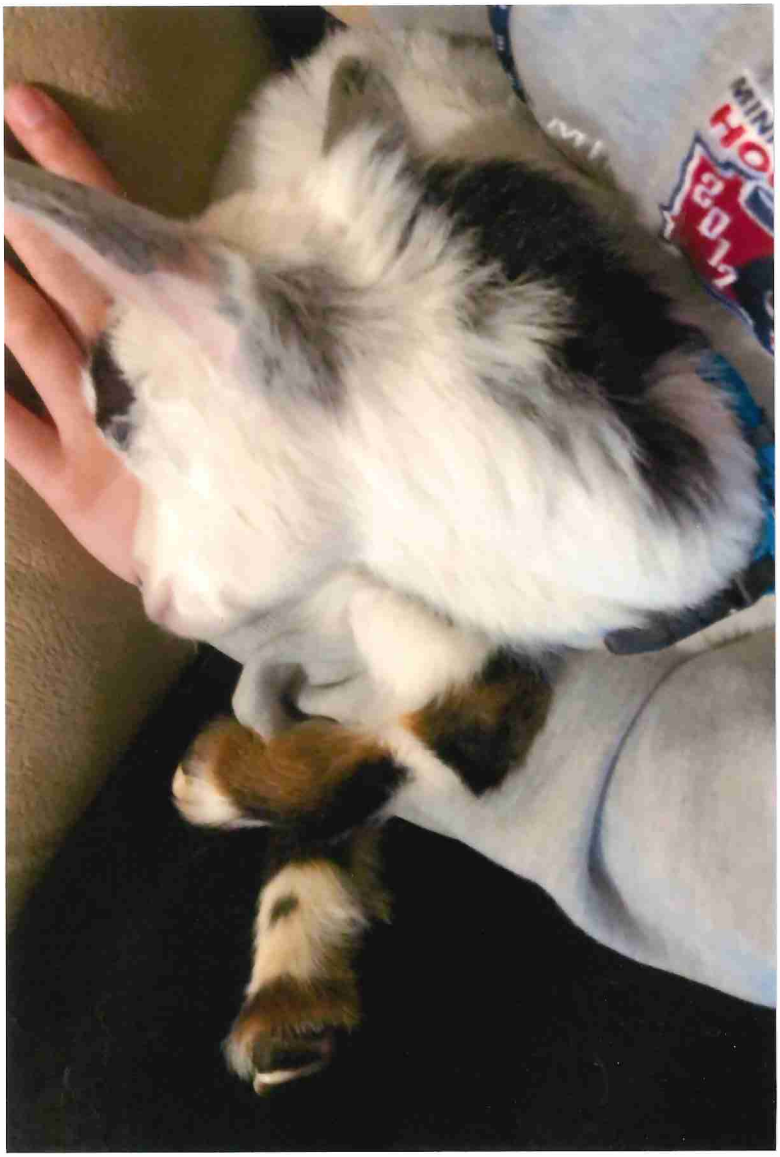
oakley in his sweater at a year ~~10~~ old.

in the living Room.

oakley napping with me on the couch at 4 months old.

Oakley at 2 months old napping on the couch.

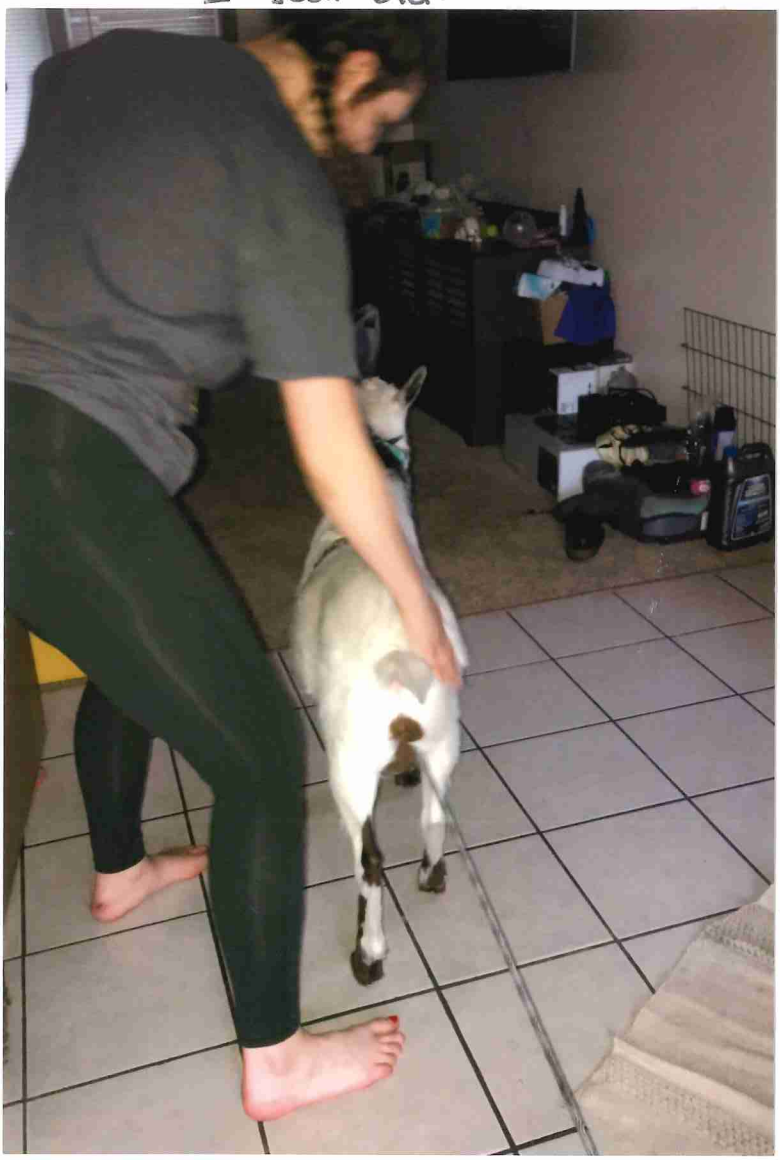




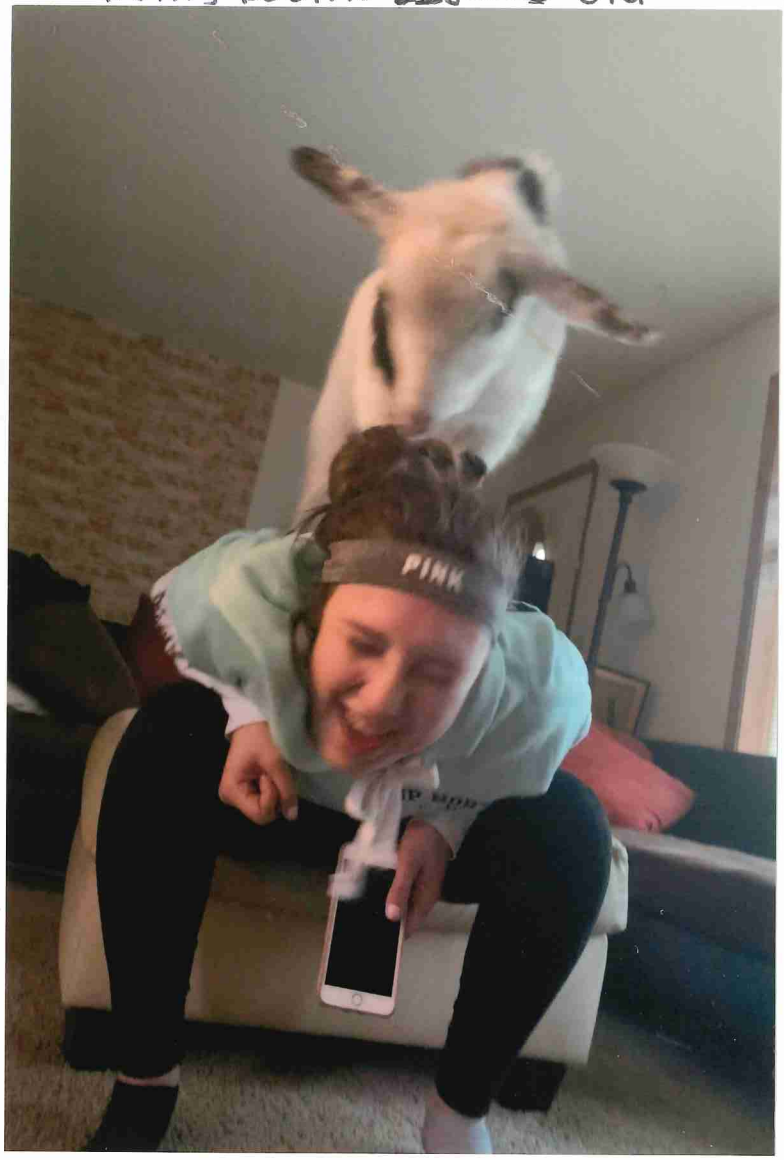
Oakley gets bi-weekly baths in the summer. Sometimes at Atlas Pet Store! 2.5 years old here.

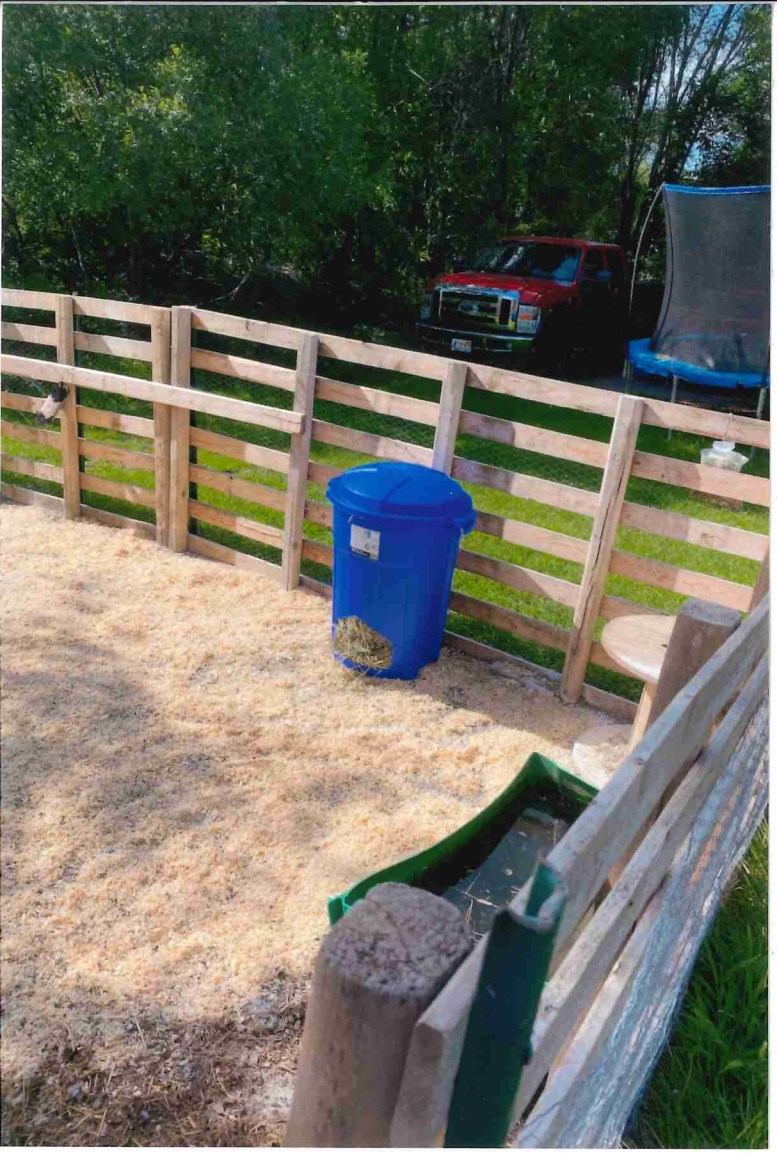


Oakley and I Dancing in the kitchen 1 year old.



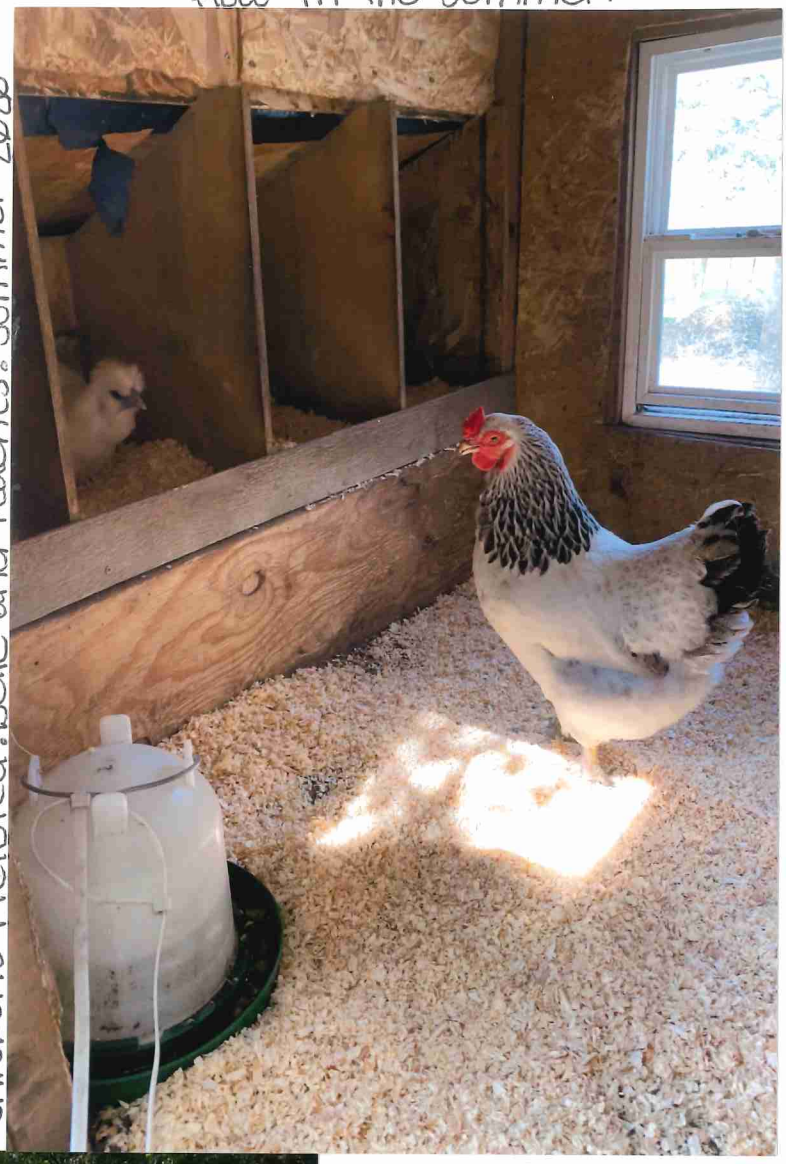
Oakley and I Playing in the living room. ~~1~~ years old



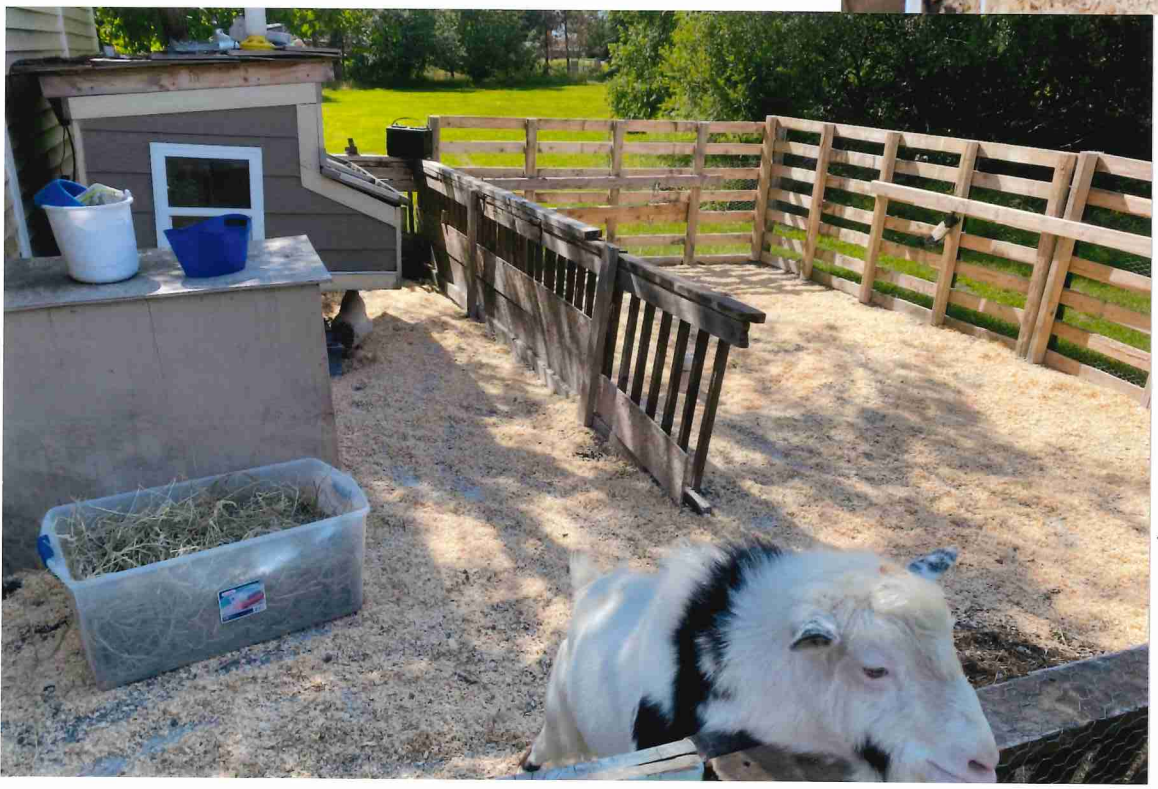


another look at oakleys Pen.
(2 options for hay)

a look inside one of the shelter spaces, and oakleys chickens. it is insulated for cold weather and has a window to allow for air flow in the summer.



Chickens Pictured: Belle and Peaches. Summer 2020



oakleys "main" set-up (in the summer so you have a better visual also to include his grazing area in the back/side yard)
summer 2020
2 years old.

★my Boy will be 3 in april★
♡



Oakley hanging out with his friends S, T, and A. my PCA Boys with autism.
Summer 2020

Oakley sleeping in bed with me. he did until he was about 4 months old!



Oakley was even out to graze and hangout at my grad Party!



July 18 2020 3.5 years old

Hello my name is Elizabeth, I have known Breeka since 6th grade. We've been best friends for almost 9 years now. Breeka has always taken amazing care of any and all of her animals no matter what happens to her or her family; whether it be financially,having a loss in the family, being gone for military training, etc. At one point I was living with Breeka just because I wanted to. I love having her as a friend and having her family as my second family. Me living with her gave me first hand experience on how she lives her life and takes care of her animals. Her animals are always fed, played with and bathed.

I have known Oakley since the day she brought him home. We like to say I am his human aunty. I feed him human snacks when "mom" (Breeka) isn't looking. The summer of 2020 we brought Oakley to Atlas Pet Supply to give him a nice relaxing bath in their doh washing tubs. Oakley absolutely adored all the human interaction that he got at the pet store. Not only does Oakley adore human interaction he loves interacting with other animals as well. Oakley has chicken friends, dog friends and cat friends. In the winter time Oakley stays in his animal pen with his chicken friends. Oakley and the chickens have two very nice hand made shelters with heat and lighting. He always has friends water with a heated dish, he has big bowls for all the food he eats and warm straw to sleep with and to keep him warm. Oakley always gets fresh hay from a local farm store in Ramsey. In the summertime Oakley has his pen to stay in when no one is home but when people are home Oakley is out of his pen. In the summer Oakley is taken out to be played with and has grazing time every single day. He likes to go for walks on the leash, chase and play with the dogs and eat as much grass as he can. Oakley has fun toys to play with, such as ropes, brushes to brush against, balls to kick around and run after, he has stuff to climb on and jump off of since goats are crazy like that.

Oakley is not only very well taken care of and friendly, he is very therapeutic to many people. Oakley has helped me get through a sexual assault situation and help me with my PTSD, he has helped me heal from my father passing away. Oakley is a very loving goat and when you are sad or not doing okay he will always be there to greet you and give you kisses

and some snuggles no matter if it is -5 or 80 degrees outside. Oakley also has 3 autistic boys that come over to see him. Oakley has helped them tremendously.

After all that has been said above I believe Oakley should be able to stay with his loving and caring family. Oakley is a very well behaved goat and has never caused any issues for anyone to complain. I don't think any animal should be taken away from their family after being with them for many many years. I also don't believe that animals should be taken away from their family because their neighbors like to complain about nothing. Oakley is very well taken care of and a couple acres of land short and complaints should not mean the animals are just taken from who he loves and knows.

Thank you for taking the time to read my perspective on Oakley and the Jaramillo family. If you have any questions or need anything else from me please email or call me, I am more than happy to help.

Elizabeth Domino

Cell: 763-458-5823

Email: Elizabethdomino@icloud.com

i have personally met oakley! he is super sweet and he is super playful. he is always out playing with his owner and their friends. he is a pet and not livestock, he is really well taken care of and he is part of the family! he's never caused anyone any harm he is simply the most pure thing you will ever meet. I believe oakley should stay with his family, it is only fair. They have had him as part of their family for the longest time his bond with his family is irreplaceable, he is very well rounded. Let oakley live out his life with his rightful owners. The love that oakley has for them really shows, he belongs with them it is the only home he has ever known and it wouldn't be right to take him away from that! -Lani

Anyone who knows you, knows that you and your entire family love Oakley and take such amazing care of him. I remember when you got Oakley, we would go on car rides and he would sit in one of our laps while we drank caribou and fed him hay. He reminds me of a little puppy because he always wants to be by you and is always inside. When I think of you, I immediately think of Oakley, you treat him like he is your child. You are always making sure that his surroundings are clean, along with himself. Not to mention that Oakley is hardly in his pen. Every time I have been over, Oakley has been running around your backyard, or laying in the house with us. Of course they are times he is in his pen, but 95% of the time Oakley is out with you guys. I have never seen such a strong bond between an animal and a person. You are Oakleys human, you're his best friend and he would never be the same if he couldn't be with you. -Katie

2/11/21

To whom this may concern,

My name is Christine I have known Oakley since he was a little baby. My 3 children have also had the pleasure of knowing and playing with him. Oakley is no ordinary goat. He loves to play in the yard with everyone he meets. He is alway wanting to be out of his pen socializing and hanging out. Oakley is a family pet. He acts and plays like a dog. We always get greeted with smiles from him.

Breeka takes very good care of Oakley. He gets tons of attention and treats. Oakley definitley knows who his owner is and loves her. Breeka treats Oakley like anyone would treat their family dog. When its warmer out he has even joined us at the local patio/bar. He is loved by so ~~many~~ many people.

This non-traditional animal ~~license~~ license, to keep Oakley, is vital. There would be so many heatbroken kids and adults. Oakley might be considered a non-traditional animal, but he acts just like any normal family pet.

Thank you for your time,

Christee Ekelen

please call - 763-438-2343 for any questions.

02/12/2021

A QUEN CORRESPONDA:

BREEKA LI JARAMILLO PROVEE SERVICIOS DE RESPITE CARE PARA MIS TRES HIJOS CON DIAGNOSTICO DE AUTISMO. ELLA LOS CUIDA EN SU CASA Y ELLOS SE BENEFICIAN DE LA INTERACCION CON OAKLEY. OAKLEY ES UNA MASCOTA ACOSTUMBRADA AL TRATO CON LOS NIÑOS. CUALQUIER DUDA PUEDE LLAMAR AL 763-377-0191.

GRACIAS.
IBETHT OLIVARES.

To whom it may concern:

Breeka Li Jaramillo Provides PCA Services to my three sons with autism diagnosis' She cares for them at her home so he interacts with them often and Plays a Positive role since they have behavioral issues. Oakley is their family Pet and not a farm animal. if you have any questions Please contact me at 763-377-Ø191

I am a 19 year old service member, my name is Breeka. I have had oakley since June of 2018. and since then. my father and I have completely altered our home and life style to ensure oakley has the best life we can give him. We Immediately began building a new house for him. My dad owns a construction company so we built it just as he would build any other home, insulated with windows, siding and shingles! Oakley slept in my bed until he outgrew diapers, but he still slept in my room, just in a kennel incase he had an accident. He went everywhere with me, Car rides, Bars, friends houses, dog Parks, Caribou. literally every Place it was possible to bring him, he went. I even brought him to school one day.

A day in the life of oakley and I in Summer usually goes like this...
Oakley is not a morning goat so I get my own stuff done around the house and do some school work if I have any, then I wake him up and feed him around 11 o'clock to noon.
I usually leave him alone until a little bit later then we Play for an hour or two. I have a lawn chair sometimes or I just hangout on top of his doghouse. then I usually have a bonfire with friends and he comes out again to graze some more and Play

Some days he comes inside the house to watch TV and listen to music.

Oakley loves kids and dogs. The neighbor kids come over almost daily to give him and his chickens frozen strawberries, or just to play. they even take him out sometimes. He enjoys playing with my small dog 'gorda' and headbutt and chase her around the yard. my little sister loves oakley as much as I do. His favorite treats are animal crackers and strawberries.

Oakley is my pet and I treat him the same as anyone else would treat their dog, as my fur child. If I dont get this license approved to keep him I would have to get rid of him and I have no where else to bring him. Please dont make me get rid of my baby after having him for 3 years. thank you for taking the time to look through my folder.

Sincerely. Breeka.

Nathan Kinney

My experience with Oakley

I am the boyfriend of Breeka, Oakleys owner. I have known Oakley for over 2 years now, and for the last year have been living at the same house as him. Oakley is very well taken care of and played with a lot. He eats every day and always has water, his water trough is heated In the winter, we get food for him locally from Ramsey farm and garden, he eats normal dry feed and hay. He has a shelter that was hand built and is heated in the winter when it gets too cold. He gets to graze in the summer under supervision, and we have a leash for him. He likes to come out to play with people or the dogs, or go on walks. He is a pet, he does not serve any purpose as a farm animal, he is treated as a pet. When he was smaller, Breeka had him sleep inside every day and even in her bed. He Lives with the chickens and is very nice to any other animal or person. In the summer we give him baths to keep him clean. Everyone I know that has met Oakley loves him and he gets to go places with Breeka sometimes. There is no reason that he should be taken away from her, he is taken care of responsibly, he is nice to everyone, He's quiet, and he doesn't bother anybody, no different than pet dogs or cats. I don't understand why anyone would complain about him, he is more civilized than a lot of peoples dogs are, he is very quiet as well, and he stays in the yard.

Thank you for hearing my experience with Oakley

Nathan Kinney

Kinneyn27@gmail.com

612-590-3024



Why is this important?

Oakley is and has been my pet goat NOT livestock. and he is a miniature version goat. he is a pet of my families and a loved one to many, my friends and extended family members know just how friendly he is. the three boys i watch have autism and love him and love the support he gives them. he is not like other "livestock" he is a house and yard pet, loves people and other animals, he walks on a leash and harness, grazes in the yard, loves children! and loves being inside the house with the family. i have no where else to bring him if he is forced to be removed to my house. i am in the military and will be leaving in September so i am trying to push this faster.

402 OF 500 SIGNATURES

Sign this petition

First Name *

City of Ramsey
Anoka County
State of Minnesota
7550 Sunwood Drive NW
Ramsey, Mn 55303

Re: Council meeting March 9, 2021
Request for Non-Traditional Domesticated Animal License
5715 150th Lane NW
Ramsey, Mn 55303

Mr. Mayor Kuzma and Council Members for the city of Ramsey,

We are writing regarding the request for a non-traditional domesticated animal/fainter mini cross goat at the property of, 5715 150th Lane NW.

The above address already has a history of a dog that barks a lot- chickens and a goat that disturb the peace in the neighborhood. Because goats are social animals, they are known to express their distress by screaming loudly and often if they are lonely.

Although these goats are adorable-For the above reasons, we are not in favor of a fainter/mini cross goat in the neighborhood.

Respectfully,

Richard J. and Lynn M. Elsen

City of RAMSEY

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

NOTICE OF PUBLIC COMMENT PERIOD

CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

TO WHOM IT MAY CONCERN:

Notice is hereby given that on Tuesday, March 9, 2021, the City of Ramsey City Council will consider a request for a Non-Traditional Domesticated Animal License for raising a fainter/mini-cross goat. The meeting will be held at 7:00 p.m. at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, MN 55303.

The purpose of this notice is to provide you an opportunity to submit written comments regarding the request for a Non-Traditional Domesticated Animal License to raise a fainter/mini-cross goat at the property generally known as 5715 150th Ln NW and legally described as follows:

LOT 3 BLOCK 3 PONDVALE ESTATES, Anoka County, Minnesota

All interested persons are invited to submit written comments on the requested liscense. The City of Ramsey complies with the Americans with Disabilities Act and upon advance request, information will be provided in an alternative form and interpreters will be available. Any person with such a request should contact Brian McCann at 763-433-9860 by noon on Tuesday, March 2, 2021.

Written comments shall be addressed to the Ramsey City Council, 7550 Sunwood Drive NW, Ramsey, MN 55303. Written comments shall be received at the above address prior to 4:00 p.m. on Tuesday, March 9, 2021

Chloe McGuire Brigl
Senior Planner

Date: February 23, 2021

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

RESOLUTION #21-050

A RESOLUTION APPROVING THE ISSUANCE OF A NON-TRADITIONAL ANIMAL LICENSE TO MAINTAIN ONE MINIATURE FAINTING GOATS ON THE PROPERTY GENERALLY KNOWN AS 5715 150TH LANE NW AND DECLARING TERMS OF SAME.

WHEREAS, Miguel and Breeka Jaramillo, hereinafter referred to as the "Licensees" have properly applied to the City of Ramsey (the "City") for a Non-Traditional Animal License (the "License") to maintain a fainter/mini-cross goat on the property generally known as 5715 150th Ln NW and legally described as follows:

Lot 1 Block 3 Pondvale Estates, Anoka County, Minnesota;

and

Lot 2 Block 3 Pondvale Estates, Anoka County, Minnesota;

and

Lot 3 Block 3 Pondvale Estates, Anoka County, Minnesota

("Subject Property")

WHEREAS, Planning Division Staff was forwarded a complaint by the Police Department on August 4, 2020 of a goat residing on the Subject Property, a violation of Chapter 10 regarding Animals.

WHEREAS, the City sent formal notices of violation on August 7, 2020, October 7, 2020, and January 19, 2021 regarding the Chapter 10 violation, requesting they apply for a Non-Traditional Animal License to maintain the goat on the property. An administrative citation was sent with the formal notice sent on August 7, 2020. The Applicants were unable to officially apply due to military duty conflictions.

WHEREAS, the Applicants paid for the administrative citation that was sent on August 7, 2020.

WHEREAS, the City Council met on March 9, 2021 to review the request for a Non-Traditional Animal License.

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

1. That a Non-Traditional Animal License (the "License") to maintain one (1) fainter/mini-cross goats on the **Subject Property** is hereby granted to the **Licensee**.

2. That the **Licensee** shall obtain a Zoning Permit for the accessory structures in accordance with City Code Chapter 117.

3. That the **Licensee** shall maintain the enclosure area and shelter routinely to ensure that manure or other nuisances do not arise.

4. That this **License** shall be perpetual in duration as long as the terms herein are complied with.

5. That this **License** is not transferable to another person nor is it transferable to another property.

6. That the City Administrator, or his/her designee, shall have the right to inspect the **Subject Property** for compliance and safety purposes annually or at any time, upon reasonable request.

7. That this **License** shall automatically expire if the keeping of up to one (1) fainter/mini-cross goat is discontinued for a period of twelve (12) consecutive months.

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 9th day of March, 2021.

LICENSEE

Miguel and Breeka Jaramillo hereby acknowledge receipt of this **License** and that they have reviewed the conditions of this **License** and have agreed to comply with the terms of this **License**.

_____ _____

Miguel Jaramillo Breeka Jaramillo

STATE OF MINNESOTA)

) ss.

COUNTY OF _____)

On this _____ day of _____, _____, before me, a Notary Public, personally appeared Miguel and Breeka Jaramillo, father and daughter, to me known to be the persons described in and who executed the foregoing instrument and acknowledged that they executed the same as their free act and deed.

_____

Notary Public

CITY OF RAMSEY

By:_____ By:_____
Mayor City Clerk

STATE OF MINNESOTA)
) ss.
COUNTY OF ANOKA)

On this _____ day of _____, _____, before me a Notary Public personally appeared Mark E. Kuzma and Colleen Lasher, to me personally known, who, being each by me duly sworn, did say that they are respectively the Mayor and City Clerk of the City of Ramsey, the Municipal Corporation named in the foregoing instrument, and seal affixed to said instrument is the corporate seal of said Municipal corporation, and the said instrument was signed and sealed on behalf of said Municipal Corporation by authority of its City Council, and said Mark E. Kuzma and Colleen Lasher acknowledge said instrument to be the free act and deed of said Municipal Corporation.

_____
Notary Public

This document drafted by:
The City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Part of Oakley's pen



Oakley's water area



Oakley's living/feeding shelter





Inside living/feeding shelter



Chicken coop



Oakley’s walking line/roaming area









CC Regular Session **7. 2.**

Meeting Date: 03/09/2021

Submitted For: Sean Sullivan, Community Development

By: Sean Sullivan, Community Development

Information

Title:

Adopt Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License

Purpose/Background:

The purpose of this case is to consider adoption of Ordinance #21-09 to revise City Code, Section 26-852 Therapeutic Massage Therapist. The ordinance was introduced at a previous meeting is now eligible for adoption, and provides for the following:.

1. Authorize designated City Officials (other than the City Clerk) to accept and process applications
2. Require a minimum amount of training
3. Require that Therapists operate out of a licensed therapeutic massage establishment in Ramsey
4. Require that Applicant provide insurance coverage within the City of Ramsey, Anoka County, Minnesota.

Many of these standards are already required in our Application Process. However, it was discovered that these standards do not currently exist in City Code itself and must be updated in order to continue to require these requirements. The Massage License is a collaborative process between Community Development and Police Department. Staff has prepared the proposed Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License for consideration.

Notification:

The Public Hearing notice for Ordinance #21-09 was published on February 12, 2021. The Public Hearing occurred on February 23, 2021 at the regularly scheduled City Council Meeting.

Observations/Alternatives:

Upon review of area communities massage licensing requirements and discussion with City Staff and Ramsey PD, a proposed Ordinance has been drafted. Underlined text indicates proposed changes to City Code Section 26-852:
:

(b) Each application for a massage therapist license must be made to the city clerk, or designated City Official on such forms as the clerk, or designated City Official may make available.

(c)(4) A certified copy of therapeutic massage training from a U.S. accredited school indicating applicant has completed a minimum of 500 hours.

(i.) Applicant must be affiliated with, employed by, or owns a therapeutic massage establishment licensed by the City, or is exempt from such requirement.

(j) Applicant has current insurance coverage of $1,000,000.00 for professional liability in the practice of massage.

Alternatives:

1. Adopt Ordinance #21-09 as presented
2. Postpone action to further refine draft ordinance
3. Something else.

Funding Source:
This case is being handled as part of normal Staff duties.

Recommendation:
City Staff recommends that the City Council adopt the Ordinance #21-09.

Action:
Motion to waive the City Charter requirement to read the ordinance aloud and adopt Ordinance #21-09 amending City Code Section 26-852 entitled Massage Therapist License.

Roll Call Vote:

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

Attachments

Ordinance #21-09
Draft CC Minutes - Introduction of Ordinance 21-09

Form Review

Inbox	Reviewed By	Date
Tim Gladhill	Tim Gladhill	03/04/2021 10:21 AM
Sean Sullivan (Originator)	Sean Sullivan	03/04/2021 10:40 AM
Tim Gladhill	Tim Gladhill	03/04/2021 12:06 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 01:59 PM
Tim Gladhill	Tim Gladhill	03/04/2021 03:38 PM
Form Started By: Sean Sullivan		Started On: 03/03/2021 04:31 PM
Final Approval Date: 03/04/2021		

ORDINANCE #21-09
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

AN ORDINANCE AMENDING CITY CODE SECTION 26-852 ENTITLED MASSAGE THERAPIST LICENSE

The City of Ramsey ordains:

SECTION 1. AUTHORITY

This ordinance is adopted pursuant to and under the authority of the Charter of the City of Ramsey.

SECTION 2. PURPOSE

The purpose of this Ordinance is to revise City Code, Section 26-852 Therapeutic Massage Therapist license to: 1) authorize designated City Officials to accept and process applications, 2) require a minimum amount of training, 3) operate out of a licensed therapeutic massage establishment in Ramsey, and 4) to provide insurance coverage within the City of Ramsey, Anoka County, Minnesota.

SECTION 3. AMENDMENT TO CITY CODE SECTION 26-852

The current City Code Section 26-852 is revised as follows (additions indicated by underline, deletions indicated by ~~strikethrough~~).

Sec. 26-852. - Massage therapist license.

(a) Each person intending to offer massage services to the public or for monetary compensation or other consideration must first apply for a license to perform such activities.

(b) Each application for a massage therapist license must be made to the city clerk, or designated City Official on such forms as the clerk, or designated City Official may make available.

(c) Each application must include:

(1) All information and documentation required for a business license for a natural person as required in subpart (e) of section 26-851.

(2) The length of experience of the applicant in this occupation and the past places of employment and positions held.

(3) The name and address of any training institutions attended and the dates of such attendance.

(4) A certified copy of therapeutic massage training from a U.S. accredited school indicating applicant has completed a minimum of 500 hours.

(d) Each application must indicate whether the applicant is licensed or has applied to be licensed in other communities to perform massage services, and, if so, in which community the applicant is licensed or has applied and the status of such license or application.

(e) Each application must indicate whether the applicant has previously been denied a license to perform massage services, or has had such a license revoked or suspended, and, if so, the circumstances of such denial, revocation, or suspension.

(f) Each application must indicate a description of the services to be provided, including specific techniques and equipment.

(g) Each application must indicate a description and location of the premises at which the applicant will perform massage services.

(h) Each application must be accompanied by written authorization for the city, its agents, and employees to seek information and conduct an investigation into the truth of the statements set forth in the application and the qualifications of the applicant for the license.

(i) Applicant must be affiliated with, employed by, or owns a therapeutic massage establishment licensed by the City, or is exempt from such requirement.

(j) Applicant has current insurance coverage of $1,000,000.00 for professional liability in the practice of massage.

SECTION 4. EFFECTIVE DATE

This Ordinance becomes effective 30 days after its passage and publication, subject to City Charter Section 5.04.

SECTION 5. SUMMARY

The following is the official summary of proposed changes to Ordinance #21-09, as clearly informing the public of the intent and effect of the Ordinance.

Ordinance #21-09 updates and adds the following revisions to City Code, Section 26-852 Therapeutic Massage Therapist:

Each application for a massage therapist license must be made to the city clerk, or designated City Official on such forms as the clerk, or designated City Official may make available;

A certified copy of therapeutic massage training from a U.S. accredited school indicating applicant has completed a minimum of 500 hours;

Applicant must be affiliated with, employed by, or owns a therapeutic massage establishment licensed by the City, or is exempt from such requirement;

Applicant has current insurance coverage of $1,000,000.00 for professional liability in the practice of massage.

PASSED by the City Council of the City of Ramsey, Minnesota the ____ day of _____, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

Introduction date: 2/23/2021
Posting dates:
Adoption date:
Publication date:
Effective date:

CITY COUNCIL
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a regular meeting on Tuesday, February 23, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Acting Mayor Chris Riley
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Dan Specht
Councilmember Matt Woestehoff

Members Absent: Mayor Mark Kuzma

Also Present: City Administrator Kurtis Ulrich (attended remotely)
Police Chief Jeff Katers
Deputy City Administrator Timothy Gladhill (attended remotely)
Economic Development Manager Sean Sullivan
Parks and Assistant Public Works Superintendent Mark Riverblood
Councilmember Elect Ryan Heineman

1. CALL TO ORDER

Acting Mayor Riley led the regular meeting of the Ramsey City Council to order at 7:10 p.m., followed by the Pledge of Allegiance led by Acting Mayor Riley.

City Administrator Ulrich read a statement related to the COVID-19 pandemic and local state of emergency. In declaring this Local State of Emergency, the City of Ramsey has determined that in person meetings and meetings conducted under Minnesota Statutes Section 13D.02 are not practical or prudent because of the declared health pandemic emergency.

6.01: Public Hearing: Introduce Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License

Presentation

Economic Development Manager Sullivan reviewed the staff report and recommendation to introduce and adopt the ordinance.

Councilmember Musgrove referenced the amount of insurance and asked if that a customary amount.

Economic Development Manager Sullivan replied that staff researched many neighboring communities and found this to be a standard amount used by those communities.

DRAFT

Acting Mayor Riley noted that this is more of a housekeeping item adding items to an existing ordinance.

Councilmember Howell asked if there are options for those that have received training outside of the United States.

Economic Development Manager Sullivan commented that this ordinance would require accredited training within the United States.

Public Hearing

Acting Mayor Riley called the public hearing to order at 7:16 p.m.

Citizen Input

There was none.

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

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Howell	aye
Acting Mayor Riley	aye

Motion carried.

The public hearing was closed at 7:16 p.m.

Council Business

Motion by Councilmember Riley, seconded by Councilmember Musgrove, to introduce Ordinance #21-09 Amending City Code Section 26-852 Entitled Massage Therapist License.

A roll call vote was performed:

Councilmember Woestehoff	aye
Councilmember Specht	aye
Councilmember Musgrove	aye
Councilmember Howell	aye
Acting Mayor Riley	aye

Motion carried.

DRAFT

CC Regular Session **7. 3.**

Meeting Date: 03/09/2021

By: Tim Gladhill, Community Development

Information

Title:

Introduce Ordinance #21-02 Amending City Code Section 117-148 Entitled Mississippi River Corridor Critical Area

Purpose/Background:

This is a republish of the original case from January 26, 2021. Subsequent to that review, the ordinance was reviewed at the February 16, 2021 City Council Work Session. Below are highlights (not all inclusive) of updates based on Council Comments. Minutes from previous meetings are attached for review.

1. *Definitions - Local Park Agencies. References to Minneapolis Park and Recreation Board and Three Rivers Park District (from DNR Model Ordinance) have been removed as they are outside of Ramsey's border. A reference to Anoka County Parks as implementing agency for Regional Parks in Ramsey has been added.*
2. *References to Vermillion River (from DNR Model Ordinance) have been removed as it is not found within Ramsey's borders.*
3. *Summary of ordinance has been updated to better reflect intent of ordinance.*

Please note that even minor edits significantly changed the line numbers from the original comparison document to the DNR model ordinance. Since this ordinance has gone through 2 separate reviews, Staff has removed the model ordinance and crosswalk to avoid confusion.

Additionally, Staff has received comment from the Friends of the Mississippi which is attached to this case. No amendments to the draft ordinance are required; these are advisory comments.

The purpose of this case is to consider amending the City's regulations within the Mississippi River Corridor Critical Area (MRCCA) Overlay District.

This overlay district is required by the State of Minnesota and establishes minimum land use standards within the District. The Overlay District was originally created in the late 1970s and recently updated in 2017. The District requires a general land use plan be included in the City's Comprehensive Plan, which is now complete and in effect. The next step is to amend our official controls (Zoning Code).

Staff is advancing the amendment now ahead of the anticipated schedule due to the proposed Riverstone South proposal. The updated rules are more reflective of the proposed Riverstone South subdivision.

While the City was very active during the State of Minnesota Rulemaking Process and subsequent update to the City's Comprehensive Plan, including this area, this is the first read of the actual official controls/zoning code update. The City Council should feel comfortable tabling action if additional time and information is necessary. However, it should be noted that a delay in this ordinance update will delay the Riverstone South proposed subdivision. *At this time and after Work Session review, Staff does not believe additional postponements are necessary. If there are remaining typos and/or clarifications, the City Council may introduce the ordinance with direction to correct typos, as long as they don't materially change policy as introduced.*

Alternatives

1. Adopt the Ordinance as presented (meets minimum requirements)
2. Adopt the Ordinance as modified
3. Postpone action to further refine draft ordinance
4. Do not adopt the ordinance (would not be in compliance with State Statute/Minnesota Rules)

Notification:
The Planning Commission held a Public Hearing on January 7, 2021. The Public Hearing Notice was advertised in the Anoka County Union-Herald, the City Official Newsletter. Since the district/impacted area is more than 40 acres in size, direct mailings are not required. Notification is not required for this step.

During the State of Minnesota Rulemaking process (2015-2017) significant public outreach and notification was provided.

Observations/Alternatives:
The updated plans and rules represent a significant benefit to the City of Ramsey. Under the previous plan, a majority of the district was in a rural open space designation, significantly restricting future development potential and conflicted with the City's Comprehensive Plan. The updated rules better reflect the City's vision for future land use. The most relevant example is the current Riverstone South proposal. Under the previous plan, this current proposal would have needed to be processed as a Planned Unit Development with significantly more open space protection (50% of the site).

Additionally, the updated rules remove a number of lawful, non-conforming uses for neighborhoods that were created prior to establishment of the Overlay District by the State of Minnesota. The Bowers Drive neighborhood is an example of the updated districts better reflecting actual built-environment, thereby removing non-conformities.

Many of the rules that were recently added already existed in Ramsey's ordinance. The updated rules have minimal impact to Ramsey, where other communities were more significantly impacted. There are some updated vegetation management requirements and permitting requirements, but nothing significantly different than Ramsey's existing ordinance.

Funding Source:
This case is being handled as part of normal Staff duties.

Recommendation:
The Planning Commission recommends that the City Council adopt the ordinance.

Action:
Motion to introduce Ordinance #21-02 amending City Code Section 117-148 (Mississippi River Corridor Critical Area).

Attachments

Overview
MRCCA District Map
PREVIOIUSLY APPROVED: MRCCA Plan
Comparison to Existing Ramsey Ordinance
FMR Comments
DNR Approval
DRAFT Planning Commission Minutes dated January 7, 2021
City Council Minutes dated January 26, 2021
DRAFT City Council Work Session Minutes dated March 16, 2021

Form Review

Inbox	Reviewed By	Date

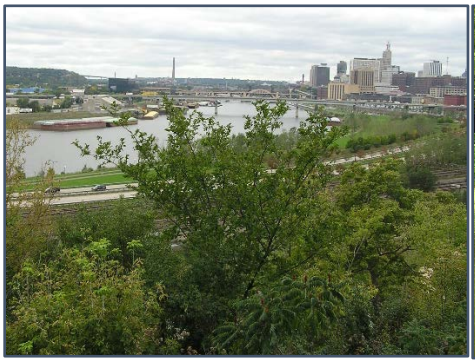
Tim Gladhill (Originator)	Tim Gladhill	03/04/2021 12:47 PM
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:31 PM
Form Started By: Tim Gladhill		Started On: 02/16/2021 03:02 PM
Final Approval Date: 03/04/2021		

DEPARTMENT OF NATURAL RESOURCES

Guide to City and Township MRCCA Zoning Updates

What is the Mississippi River Corridor Critical Area MRCCA?

The Mississippi River Corridor Critical Area (MRCCA) is a corridor of land along each side the Mississippi River in the Twin Cities Metropolitan Area with coordinated state, regional and local land use planning and zoning. It includes 54,000 acres in 30 local governments along a 72-mile stretch of the river. Land development in the MRCCA has been regulated by city and township-adopted MRCCA plans and zoning regulations since 1976 in compliance with state provisions. These local zoning standards have regulated structure height and setbacks from the river and bluffs as well as vegetation management and removal, land alteration, and subdivision of land to preserve the corridor's unique natural, recreational, and cultural features.


The MRCCA was designated a critical area in 1976 by Executive Order following passage of the Minnesota Critical Areas Act of 1973. The Executive Order was the governing regulation until it was superseded by MRCCA rules in 2017 (Minnesota Rules Chapter 6106). The rules more consistently protect habitat, scenic views and water quality, and allow redevelopment to address contemporary needs such as higher density and mixed uses. In 1988, the National Park Service designated the Mississippi National River & Recreation Area (MNRRA), which shares the same border as the MRCCA. There are no federal land planning or zoning regulations associated with the MNRRA.

Why is the MRCCA important?

The Mississippi River is one of the most famous rivers in the world. It is the defining feature for the many communities along its banks. Through the Twin Cities metro area, the MRCCA supports a diverse mix of residential, commercial, industrial and recreational uses, as well as river-related industry and transportation. Though the river corridor has been extensively developed, many intact and remnant cultural, natural and scenic areas remain, including bluffs, islands, floodplains, wetlands, historic resources, and native plants and animals. The state rules and local MRCCA plans and zoning regulations are designed to protect these resources while accommodating continued growth and redevelopment.

Why is my community updating its MRCCA zoning regulations?

Starting in January 2020 and going through approximately December 2022, all communities in the MRCCA will be adopting new MRCCA zoning standards consistent with 2017 MRCCA rules and local MRCCA plans that were recently updated as part of the comprehensive plan 10-year updates. **Until a community adopts the new standards, its existing MRCCA zoning standards apply.**

Contact your local city or township zoning staff with questions about relevant standards and permit requirements that apply to your property. The DNR's role is to ensure that local government MRCCA zoning regulations comply with the state rules and to provide technical assistance and oversight to local zoning staff.

Overview of New Local Government MRCCA Zoning Regulations

Local MRCCA zoning regulations are administered as an overlay district. Within this overlay district, MRCCA zoning regulations guide building and construction, vegetation management and removal, and land alteration. These regulations also affect local decisions on variances and conditional use permits. Following is an explanation of how the new zoning regulations in the 2017 MRCCA rules will affect some of the most common development activities.

New Terms

Familiarity with the following terms are helpful for understanding MRCCA zoning regulations. These terms are described and mapped in city and township MRCCA plans (a chapter of the comprehensive plan) and summarized below:

Bluff. A natural feature with an average slope exceeding 18%.

Bluff impact zone. The bluff and land within 20 feet of the bluff.

Native plant communities. Plant communities of five acres or greater that meet the quality criteria established by the Minnesota Biological Survey to qualify as a native plant community - identified in local government MRCCA plans.

Natural drainage way. Rivers and streams and any other drainage ways identified by local governments.

Shore impact zone. 50% of the required structure setback from the river.

Significant existing vegetation stands. Largely intact and connected plant communities that contain a sufficient representation of the original native plant community - identified in local government MRCCA plans.

Wetland. Transitional lands between terrestrial and aquatic systems where the water table is usually at or near the surface or land covered by shallow water.

Building and Construction

Structure height and structure setbacks from the river and top of bluffs (the top of an 18% slope) vary for each of the six MRCCA districts (See Table 1). These provisions protect scenic views and keep buildings and other development activity away from sensitive shorelines and slopes that provide habitat and are prone to soil erosion and slope failure. Structure height and setback standards will not change for most property owners. See the MRCCA Boundary and Districts web page to find the district in which your parcel is located.

Table 1. Building and constructions standards for each of the six MRCCA districts.

Build & Construction Standards	Rural Open Space (CA-ROS)	River Neighborhood (CA-RN)	River Towns and Crossings (CA-RTC)	Separated from River (CA-SR)	Urban Mixed (CA-UM)	Urban Core (CA-UM)
Maximum Structure Height	35’	35’	48’*	Underlying Zoning	65’*	Underlying Zoning
Mississippi River Structure Setback	200’	100’	75’	n/a	50’	Underlying Zoning
Bluff Structure Setback	100’	40’	40’	40’	40’	40’

*Greater height may be allowed with a Conditional Use Permit.

Expansion of Nonconforming Structures

Legal nonconforming structures were lawfully permitted when they were built. However, when zoning standards change and these structures no longer conform to the new standards, they become legally nonconforming or “grandfathered.” Nonconforming structures are common in the MRCCA. Minnesota Statute (MS §462.357, Subd. 1e) protects the rights of

the owners of nonconforming structures, and allows for their continued use, including repair, replacement, restoration, maintenance, or improvement. Under the MRCCA rules, local governments may allow the lateral expansion of legally nonconforming principal structures such as homes, as long as they do not expand further into required setbacks from the river and bluff.

Land Alteration Standards (Grading & Filling)

Land alteration in areas near water and on steep slopes increases the risk of soil erosion and the movement of sediment into water. A new local government permit is required for the following land alteration activities:

- Any activity that disturbs more than 10 cubic yards or 1,000 square feet of soil within the shore impact zone or within 50 feet of a public water, wetland, or natural drainage way, whichever is greater.
- Erosion control projects and repair & maintenance of existing structures in the bluff impact zone. All other activities are prohibited in the bluff impact zone.
- Riprap, retaining walls or other erosion control structures to correct an established erosion problem as determined by the local government. There are specific design standards and conditions for constructing these structures. The construction of structures below the ordinary high water level would continue to require a DNR permit or approval.

Vegetation Removal & Management Standards

Retaining vegetation along the river and on slopes is important to stabilize soil and to slow, absorb, and filter stormwater before it runs into the river. Vegetation is also important for retaining the scenic qualities of the river. Local MRCCA regulations include a new vegetation permit and standards for protecting and managing vegetation.

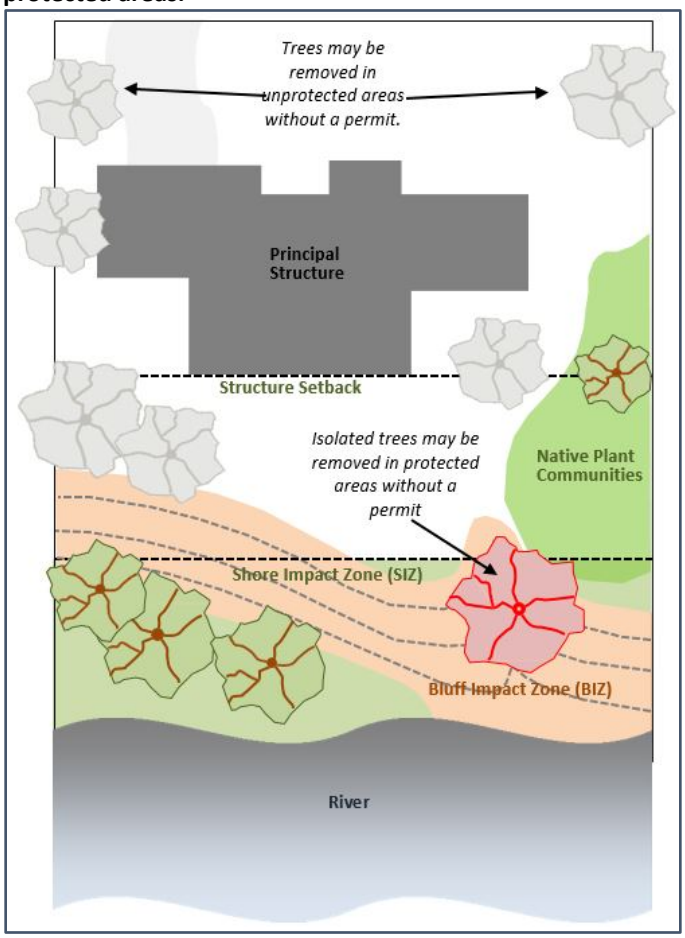
Landscaping & Maintenance Activities that DO NOT Require a Permit:

- Maintenance of existing lawns, landscaping and gardens;
- Removal of vegetation in emergency situations as determined by the local government;
- The removal of isolated individual trees or shrubs that are not in a contiguous patch, strip, row, or block and that does not substantially reduce the tree canopy or understory cover.

Prohibited Vegetation Removal Activities

The intensive removal of all or a majority of the trees or shrubs in a contiguous patch, strip, row, or block in protected areas - the shore impact zone, bluff impact zone, within 50 feet of a wetland or natural drainage way or of native plant communities and significant existing vegetative stands - is prohibited. Figure 1 shows some of these protected areas – protected areas are shown in color. Note that isolated trees and shrubs may be removed in protected areas without a permit.

Figure 1. Intensive removal of vegetation in prohibited in protected areas.



Allowed Vegetation Removal Activities with a Permit:

Some vegetation removal activities in protected areas are allowed with a **vegetation permit**, including removal:

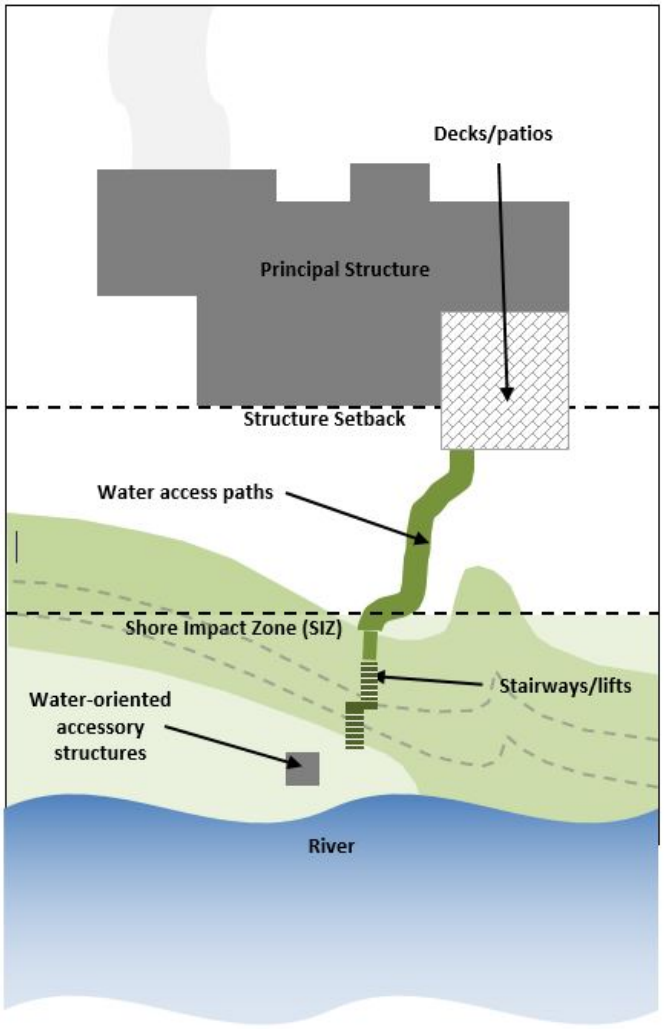
- of vegetation that is dead, diseased, dying, or hazardous;
- to prevent the spread of diseases or insect pests;
- of invasive non-native species;
- to prepare for restoration and erosion control management activities consistent with a plan approved by the local government;
- of the minimum necessary for construction allowed with a building permit.

River Access on Riparian Lots

Local MRCCA regulations include new design standards for river access including access paths and stairways, water-oriented structures and patios and decks (see Figure 2):

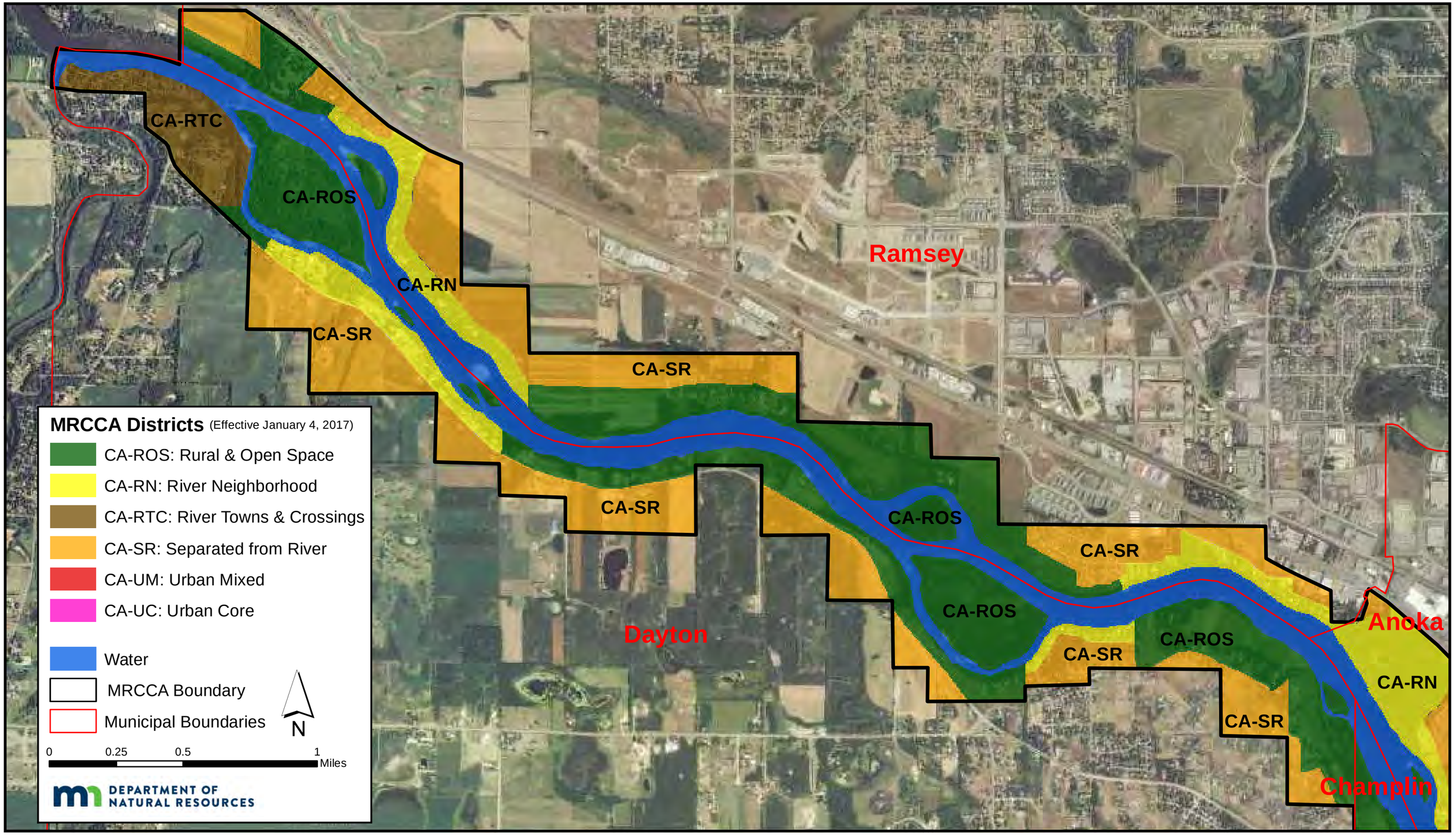
- Private driveways, parking areas and other impervious surfaces must not be placed in the shore impact zone or the bluff impact zone, except for:
    - **Access Paths:** Access paths can be no wider than 8 feet wide in the shore impact zone or 4 feet wide in a bluff impact zone.
    - **Stairways, lifts, and landings:** Stairways, lifts, and landings are allowed in the shore impact zone and the bluff impact zone as long as stairways and lifts are no wider than 4 feet and landings no more than 32 square feet.
- Decks and patios may encroach into bluff and river setbacks up to 15% of the required structure setback, provided they don't extend into the bluff impact zone.
- One water-oriented accessory structure is allowed for every 300 feet of river frontage. Lots less than 300 feet may have one structure. The water-oriented accessory structure is limited to a 12-foot height, 120 square foot area, and must be at least 10 feet from the water's edge. These structures are not allowed in the bluff impact zone.
- Temporary storage of docks, boats, and other equipment during the winter months are prohibited in the bluff impact zone but allowed in the shore impact zone.

Figure 2. River Access Design Standards.



MRCCA web address: https://www.dnr.state.mn.us/waters/watermgmt_section/critical_area/index.html

Mississippi River Corridor Critical Area (MRCCA) District Map - Dayton to Anoka
Minnesota Rules, part 6106.0100



Chapter 06: Mississippi River Corridor Critical Area Plan (MRCCA)

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Introduction

Designated by Governor's Executive Order in the 1970s, the Mississippi River Corridor Critical Area (MRCCA) is a land corridor along the Mississippi River in the Twin Cities Metropolitan Area governed by special land planning requirements and land development regulations. These regulations, which are implemented through local MRCCA plans and ordinances, protect and preserve the natural, scenic, recreational, and transportation resources of this section of the Mississippi River. The MRCCA comprises 72 miles of river and 54,000 acres of surrounding land in 30 local jurisdictions.

Ramsey adopted its first Critical Area Plan in 1980. Ramsey adopted its first Critical Area Ordinance in 1985, and has processed several amendments since that date.

Ramsey has ensured that plan preparation has included extensive public engagement. In 2013, Ramsey hosted a series of public workshops on the topic, and maintains a contact database. With the 2040 Comprehensive Plan update that included the updating of the MRCCA plan, the City has conducted the most extensive public engagement process to date for any of its Comprehensive Plan updates. Community engagement included both online and in person activities resulting in feedback from a wide variety of stakeholders, many of which had likely not previously participated in community planning efforts.

In 1988, the U.S. Congress established the Mississippi River and Recreation Area (MNRRA), a unit of the National Park System. The MNRRA shares the same boundary as the MRCCA, and the park's Comprehensive Management Plan (CMP), signed by the Governor and Secretary of the Interior, incorporates by reference the MRCCA program for land use management. Rather than institute a separate layer of federal regulations, the MNRRA largely relies on the MRCCA to manage land use within the park. This reliance establishes a unique partnership and framework for land use management amongst the local, state, and federal governments to protect the intrinsic resources of the Mississippi River Corridor.

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Comprehensive Plan Strategic Imperatives

- A Balance of Rural Character and Urban Growth
- An Active Community (Parks, Recreation, and Open Space)
- A Connected Community (Transportation)
- A Positive Learning Environment

Initiatives for the Critical Area

- Protect and Restore Significant Ecological Resources
- Improve Water Quality
- Maintain and Improve Recreation Opportunities along and adjacent to the Mississippi River
- Improve Access to the Mississippi River
- Communicate the Benefits of Protection of Ecological Resources

Progress on MRCCA goals

The City of Ramsey has accomplished many goals described in previously approved plans including the Critical Area Plan.

1. Pearson Place Residential Development – a 12 unit large lot subdivision which is serviced by an extension of Bowers Drive was recently approved by the City. The City maintained large lot standards to improve pretreatment of runoff prior to flowing down to the Mississippi River.

2. Connexus Solar Garden – Connexus Energy recently developed a solar garden near the intersection of Riverdale Dr NW and Llama St NW. The solar garden had native pollinator plants established as ground cover providing additional water treatment benefits as well as increased habitat for area wildlife.

3. Riverwalk Village – a 14 unit single family residential development on the southeastern edge of the City will result in the removal of a former landfill and will have stormwater ponds constructed for additional pretreatment of runoff. The project received Tax Base Revitalization Account (TBRA) funds from the Metropolitan Council to assist with the clean up costs.

Mississippi River Corridor Critical Area Districts

The City is not currently aware of any conflicts with future land use designations and the established purpose of the MRCCA districts.

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River Neighborhood (CA-RN)

The river neighborhood district is characterized by primarily residential neighborhoods that are riparian or readily visible from the river or that abut riparian parkland. The district includes parks and open space, limited commercial development, marinas, and related land uses.

The river neighborhood district must be managed to maintain the character of the river corridor within the context of existing residential and related neighborhood development, and to protect and enhance habitat, parks and open space, public river corridor views, and scenic, natural, and historic areas. Minimizing erosion and the flow of untreated storm water into the river and enhancing habitat and shoreline habitat vegetation are priorities in the district.

Rural Open Space (CA-ROS)

The rural and open space district is characterized by rural and low-density development patterns and land uses, and includes land that is riparian or visible from the river, as well as large, undeveloped tracts of high ecological and scenic value, floodplain, and undeveloped islands. Many primary conservation areas exist in the district.

The rural open space district must be managed to sustain and restore the rural and natural character of the corridor and to protect and enhance habitat, parks and open space, public river corridor views, and scenic, natural, and historic areas.

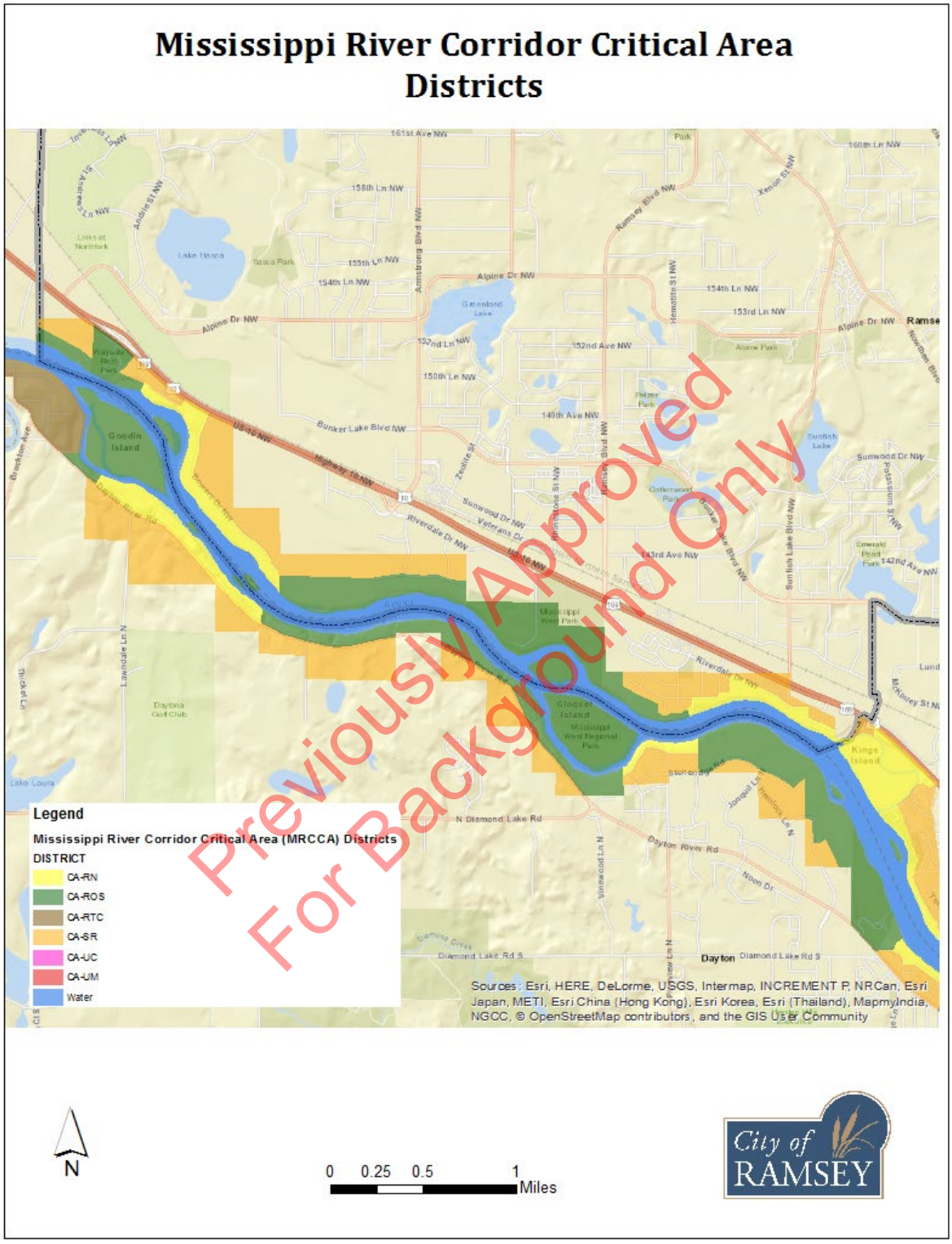
Separated From River (CA-SR)

The separated from river district is characterized by its physical and visual distance from the Mississippi River. The district includes land separated from the river by distance, topography, development, or a transportation corridor. The land in this district is not readily visible from the Mississippi River.

The CA-SR district provides flexibility in managing development without negatively affecting the key resources and features of the river corridor. Minimizing negative impacts to primary conservation areas and minimizing erosion and flow of untreated storm water into the Mississippi River are priorities in the district.

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Figure 33: Mississippi River Corridor Critical Area Districts



Primary Conservation Areas

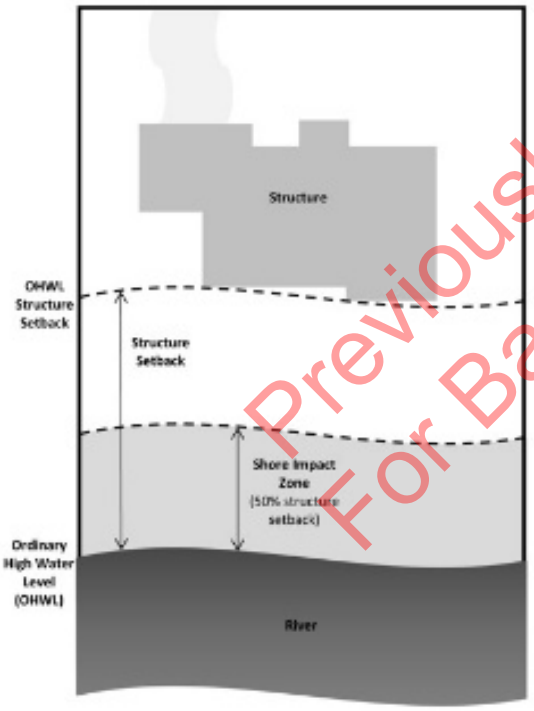
"Primary conservation areas" means key resources and features, including shore impact zones, bluff impact zones, floodplains, wetlands, gorges, areas of confluence with tributaries, natural drainage routes, unstable soils and bedrock, native plant communities, cultural and historic properties, significant existing vegetative stands, tree canopies, and other resources identified in local government plans.

General Overview and Description

The City recognizes bluffs, wetlands, floodplains, natural drainage routes, bluff impact zones, cultural and historic properties, unstable soils and bedrock, as well as shore impact zones and DNR identified native plant communities as primary conservation areas (PCAs) within the MRCCA boundary in the City. These areas are shown on Figures 34, 35, 36, 37, 38, and 39. The City will strive to protect these areas from public and private development and land use activities.

Shore Impact Zones

"Shore impact zone" means land located between the ordinary high water level of public waters and a line parallel to it at a setback of 50 percent of the required structure setback or, for areas in agricultural use, 50 feet landward of the ordinary high water level.



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Floodplains and Wetlands

"Floodplain" means the areas adjoining a watercourse which has been or hereafter may be covered by the regional flood.

Confluence with Key Tributaries

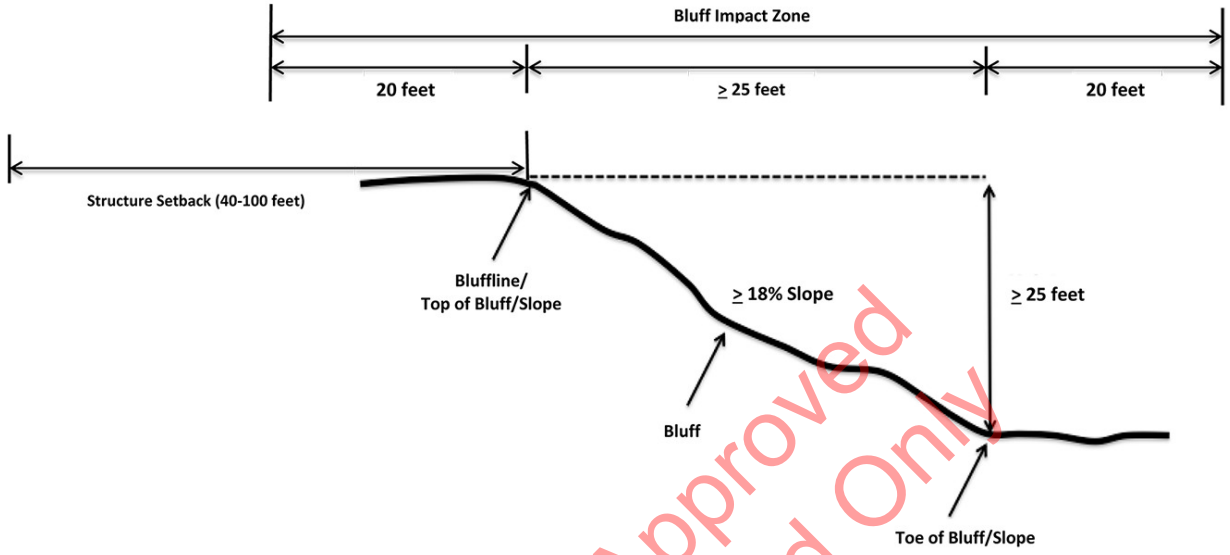
There are no confluences with key tributaries within Ramsey.

Natural Drainage Areas

The Critical Area Plan includes mapping of natural drainage areas that impact the Mississippi River.

Bluff Impact Zone

"Bluff impact zone" means the bluff and land within 20 feet of the bluff.



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Native Plant Communities and Significant Existing Vegetative Stands

"Native plant community" means a plant community that has been identified as part of the Minnesota biological survey or biological survey issued or adopted by a local, state, or federal agency. Significant existing vegetation stands refers to vegetation considered 'significant'. The plant communities are significant based on their state of being largely intact and connected and contain a sufficient representation of the original native plant community. This vegetation provides high ecological value in addition to the water quality and scenic values of "natural vegetation".

Cultural & Historic Properties

Historic property" means an archaeological site, standing structure, site, district, or other property that is:

- Listed in the National Register of Historic Places or the State Register of Historic Places or locally designated as a historic site under Minnesota Statutes, chapter 471;
- Determined to meet the criteria for eligibility to the National Register of Historic Places or the State Register of Historic Places; or
- An unplatted cemetery that falls under the provisions of Minnesota Statutes, chapter 307, in consultation with the Office of the State Archeologist.

One area of cultural and historic significance is located in the corridor. It does not meet the definition above. The location of the first settlement in Ramsey is located within the corridor, originally known as Itasca Village. There are no remaining structures or assets from this original settlement.

Gorges

There are no gorges located in Ramsey.

Unstable Soils and Bedrock

There are significant areas of shoreline erosion located along Ramsey's Mississippi River Shoreline. This erosion is documented through a 2016 Anoka Conservation District Survey. The results of said survey are incorporated into this document by reference. Ramsey will be utilizing this information for education, outreach, and funding purposes to restore priority areas from further erosion.

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Figure 34: Shore Impact Zone Map

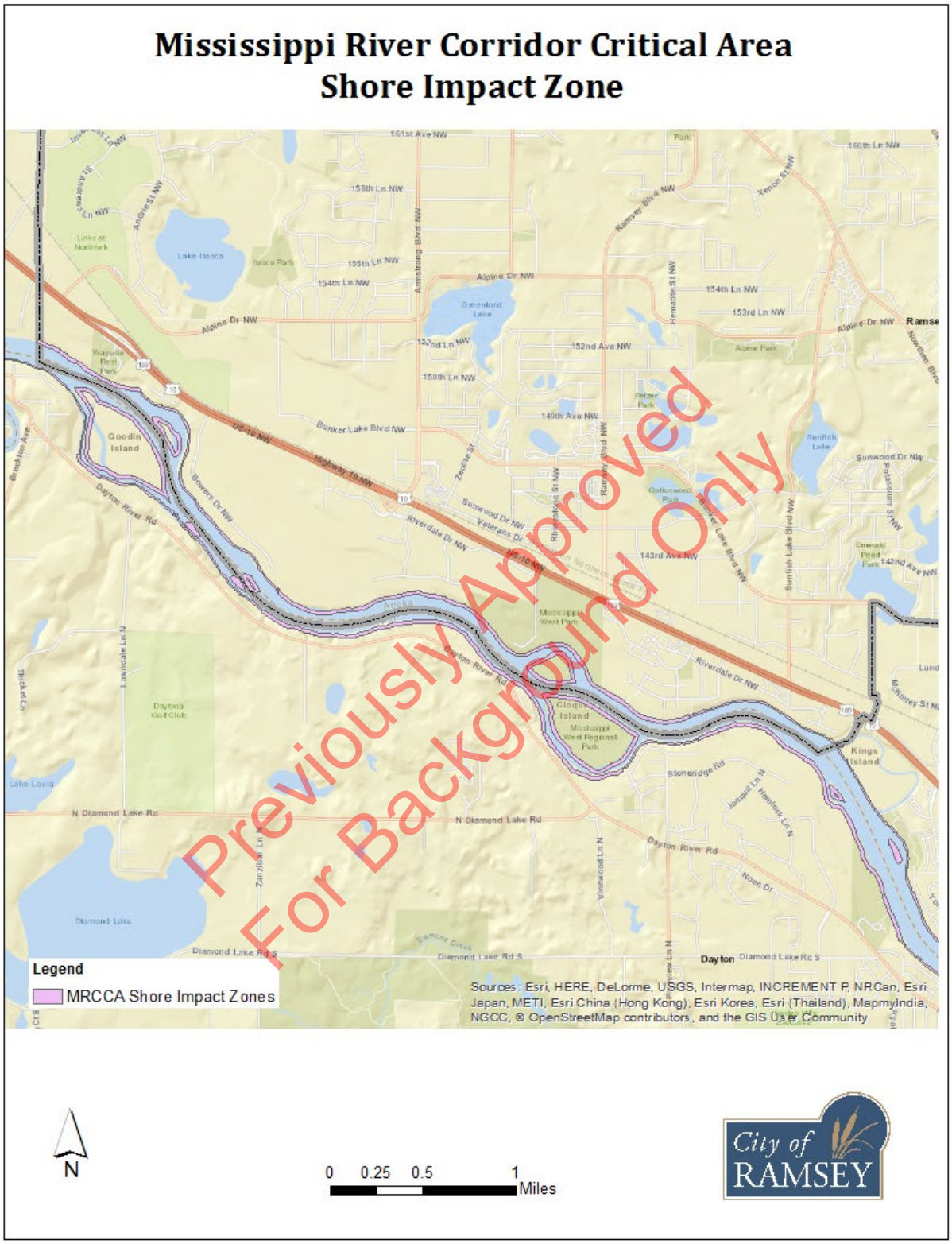
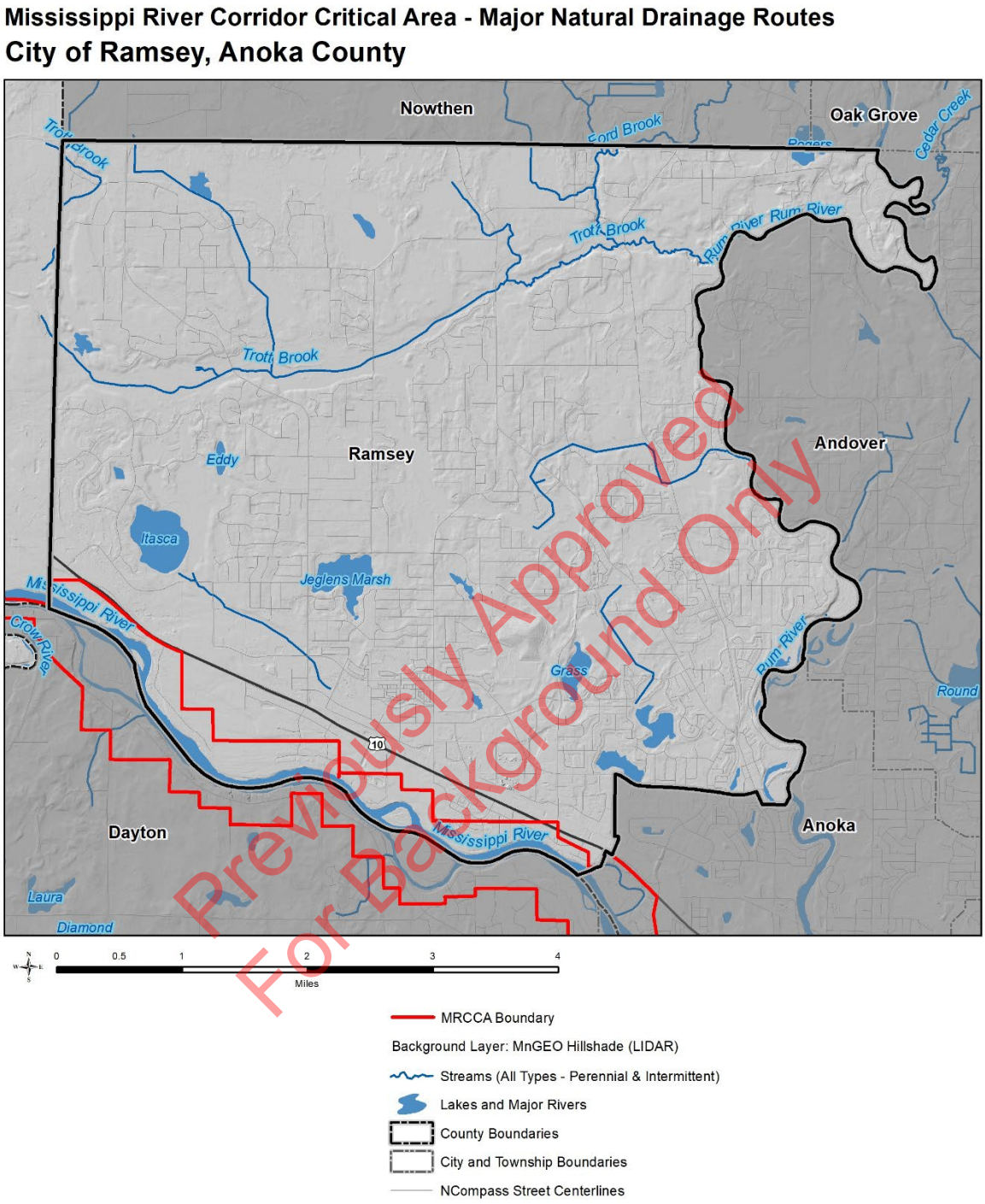


Figure 35: Floodplains and Wetland

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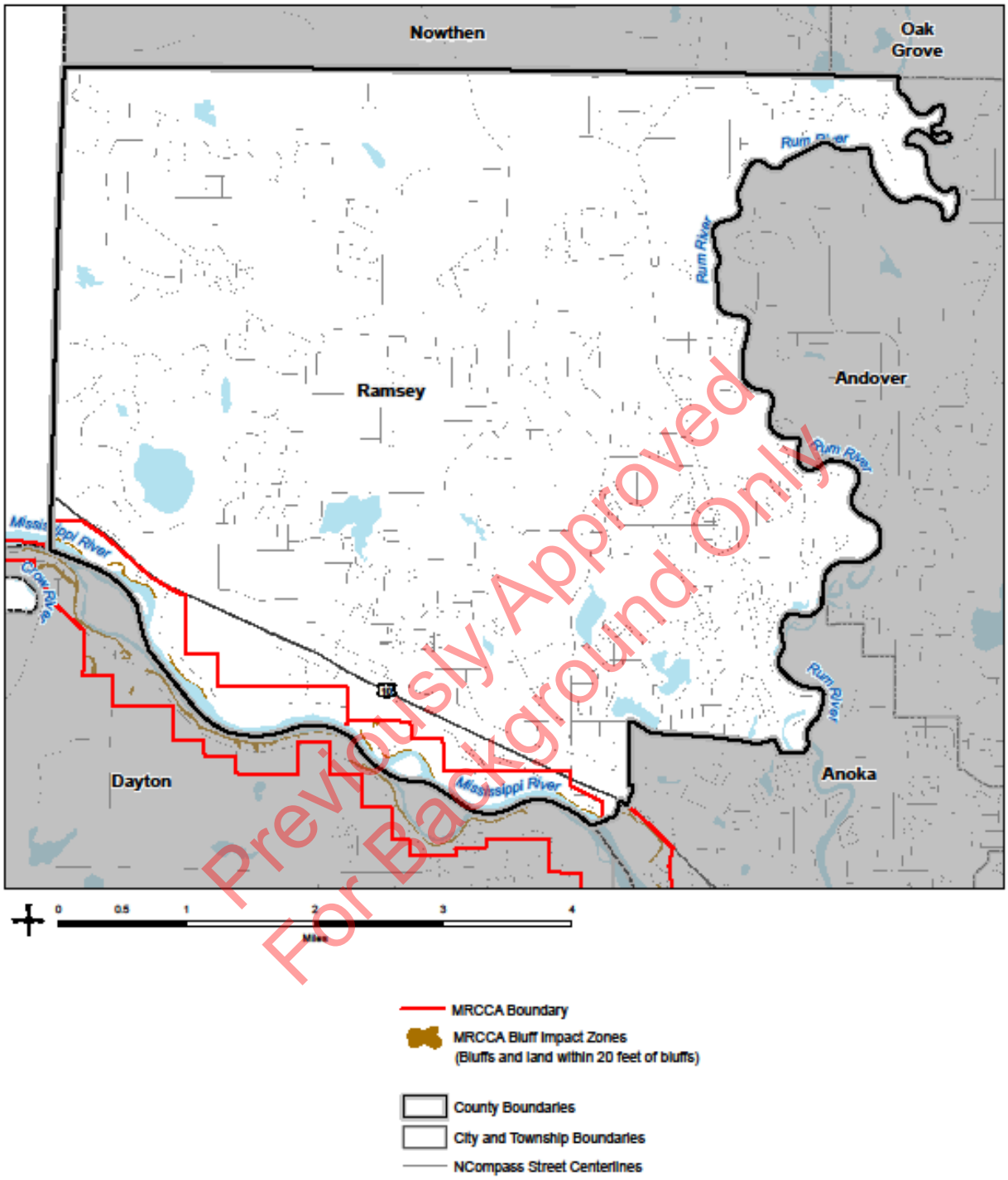
Figure 36: Natural Drainage Areas



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The Mississippi River serves as the only natural drainage route within the MRCCA within the City's municipal boundary.

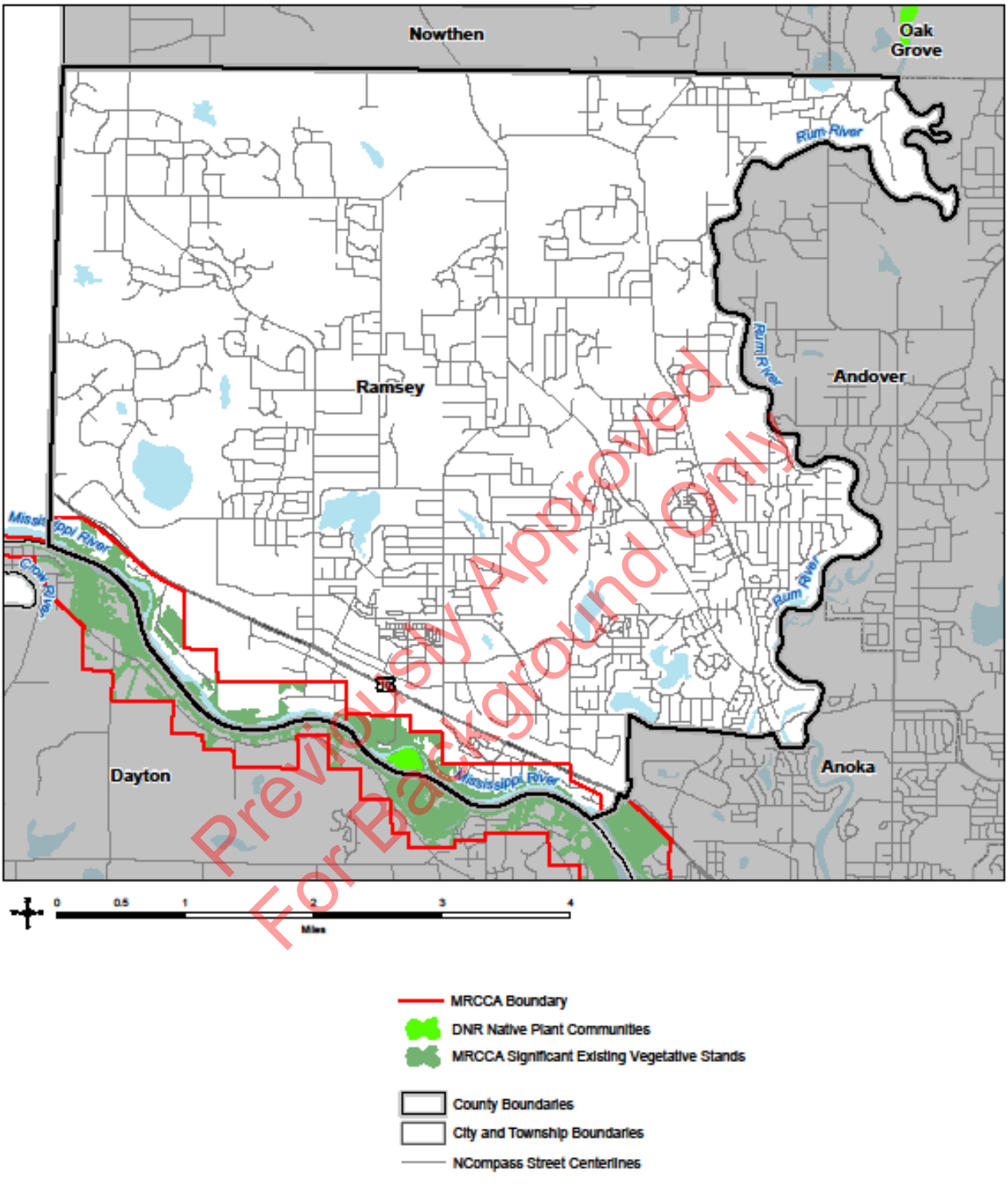
Figure 37: Bluffs and Bluff Impact Zones



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Bluffs are located on both the City of Ramsey as well as City of Dayton sides of the river. These bluffs are visible from the adjacent communities and provide valuable scenic views due to the bluffs themselves as well as the vegetation which exists along the bluffs. These views are of scenic value to those on land as well as river users.

Figure 38: Native Plant Communities & Significant Existing Vegetative Stands



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Public River Corridor Views

General Overview

The City of Ramsey is fortunate to have the Mississippi West Regional Park from which residents and visitors can view the Mississippi River. The location of this park is shown on Map 39. A key component of the Critical Area Plan is to when possible to improve access to public river corridor views and protect the views of bluffs from the river.

Views Toward River from Public Places (PRCV)

Two views were identified by Staff as being key public river corridor views (PRCVs) which are showing below as well as the location of the PRCV mapped with the direction of the view included.



PRCV View 1

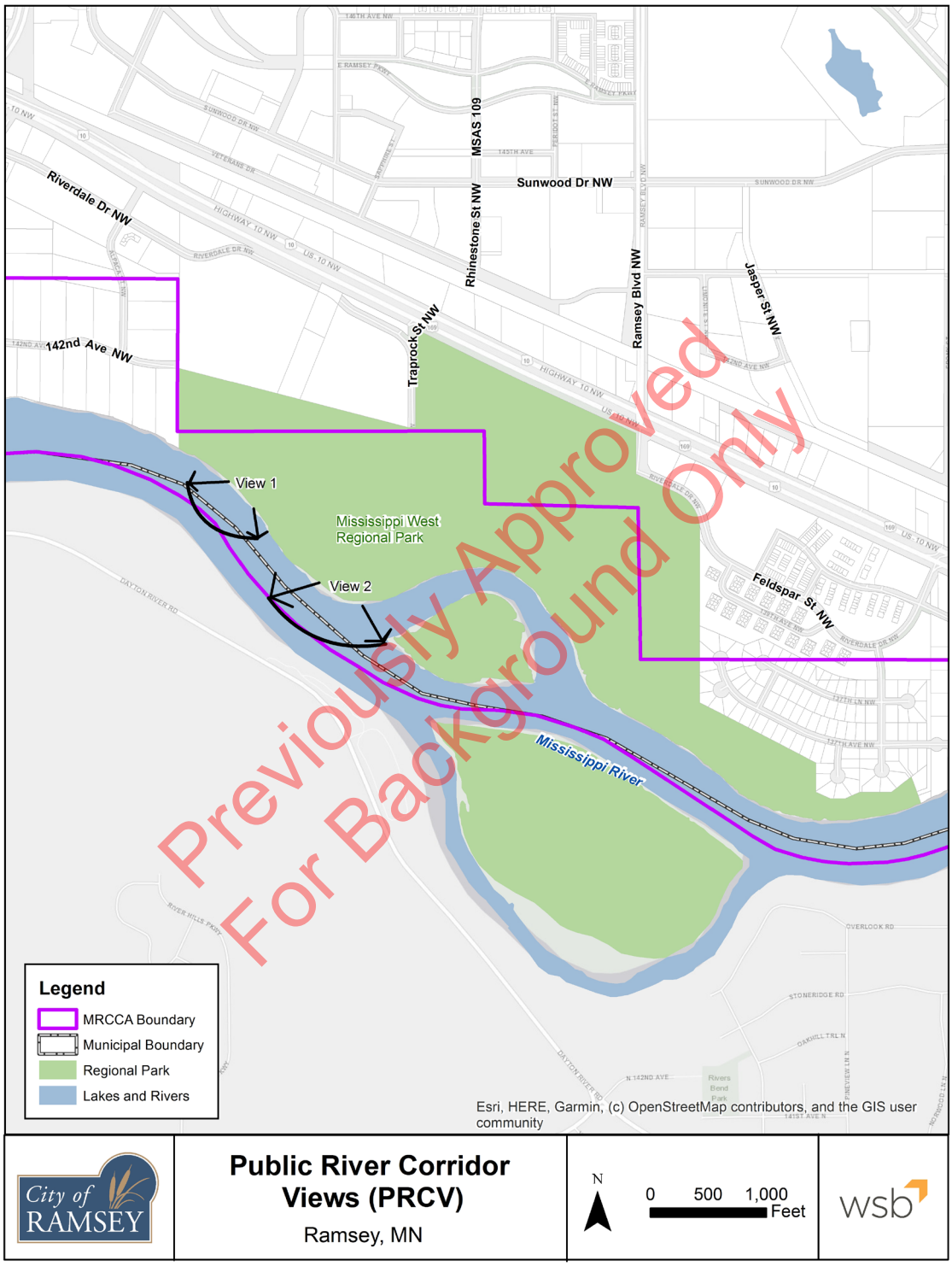


PRCV View 2

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View 1 and 2 are deemed important PRCV's due to their direct pedestrian (view 1) and vehicular (view 2) access to the waterfront as well as existing dense vegetation at both sites. Loss of vegetation at either site may result in erosion that could reduce water quality in the area and thus degrade the overall aesthetic of the area.

Figure 39: Public River Corridor View Location



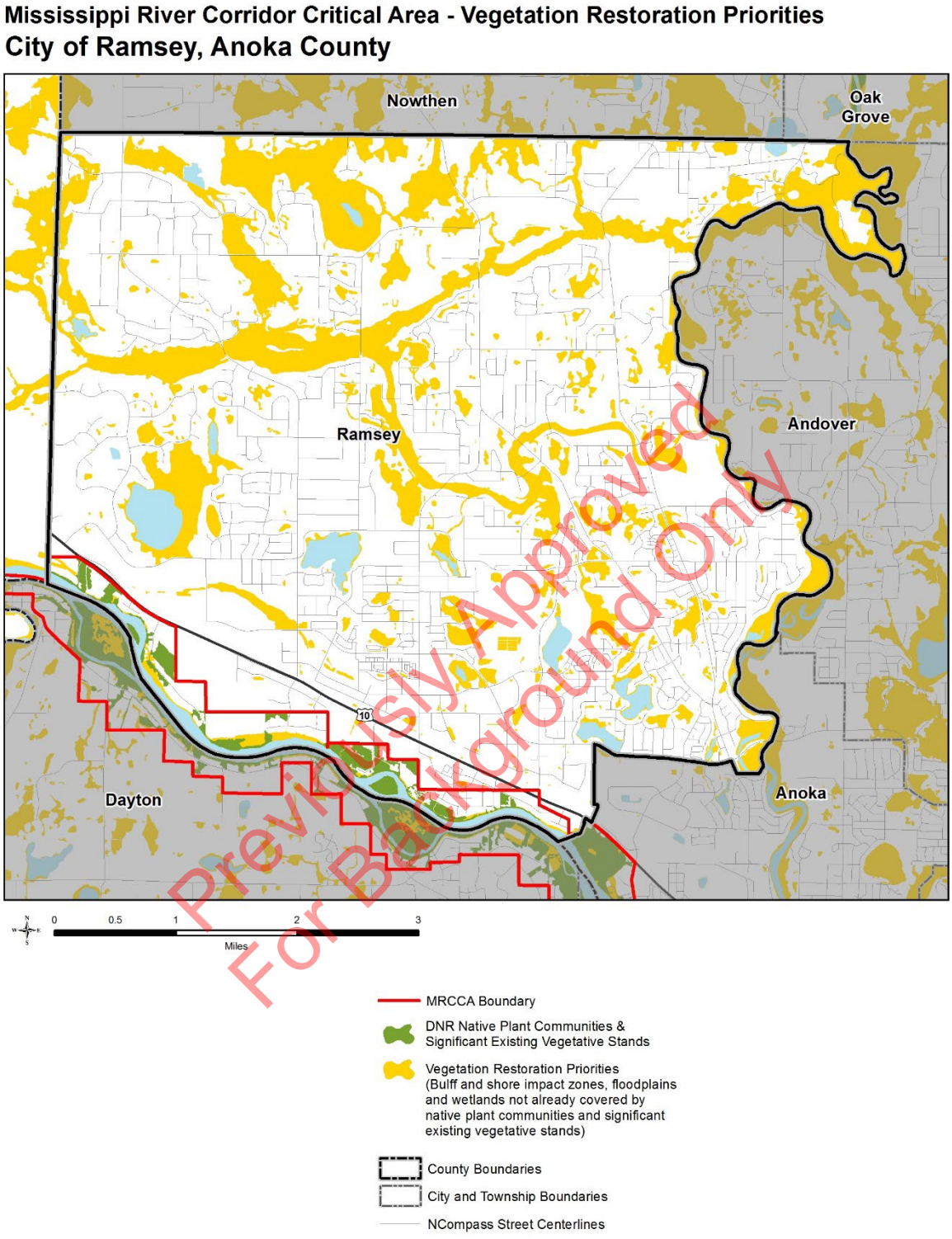
Priorities for Restoration

Ramsey's priority for restoration within the Corridor is protecting the Corridor from significant erosion as identified by the 2017 Anoka Conservation District Mississippi River Shoreline Inventory for Ramsey.

The City will work to make available the location of natural vegetation restoration priorities and the relevant ordinance requirements that apply to their property for project planning and permitting.

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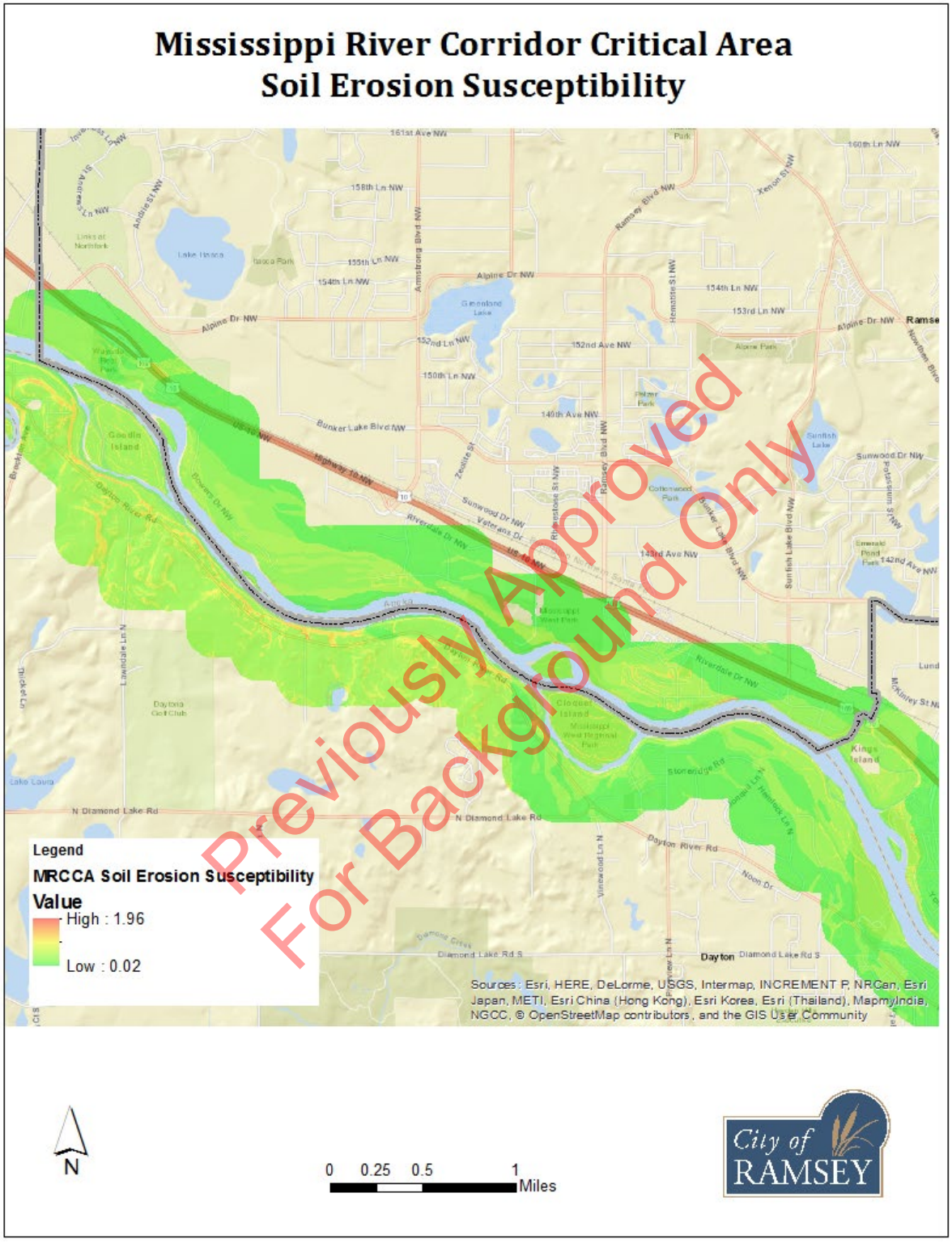
Figure 40: Vegetation Restoration Priorities



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Vegetation restoration priorities are shore and bluff impact zones, floodplains and wetland that do not have native or natural vegetation cover and are susceptible to erosion or degradation because they are not stabilized with high quality vegetation. Restoration priorities are composed of both vegetation establishment as well as erosion and bank stabilization.

Figure 41: Soil Erosion Susceptibility



Those areas with higher erosion susceptibility are of increased importance for vegetation restoration and bank and slope stabilization as the likelihood of damage is higher due to the increase susceptibility of soil erosion in these areas.

Surface Water Uses

Surface water Uses can have negative impacts on riverbank erosion. The City is aware that recreational boat uses have known impacts on the Coon Rapids Dam Pool. The City does not currently regulate any surface water use under Chapter 86B (MR 6110.3000 – 6110.3800).

Open Space & Recreational Facilities

Existing Recreation Facilities

The Mississippi River Trail, Mississippi West Regional Park, and Riverdale Park are currently located within the Corridor.

Future Recreation Facilities

The future Mississippi West Regional Park is located within the Corridor. In addition, the future alignment of Central Anoka County Regional Trail connects to the Corridor. A future component of the Central Anoka County Regional Trail is a grade-separated pedestrian crossing over the BNSF/Northstar Commuter Rail Corridor and U.S. Highway 10, known as the Mississippi Skyway.

Water-Oriented Land Uses

Water oriented land uses are land uses on land riparian to the river that need to be there because they are water-oriented, such as a marina or restaurant with views of the river. As such, a boat launch classifies as a water-oriented land use.

Water-Oriented Use

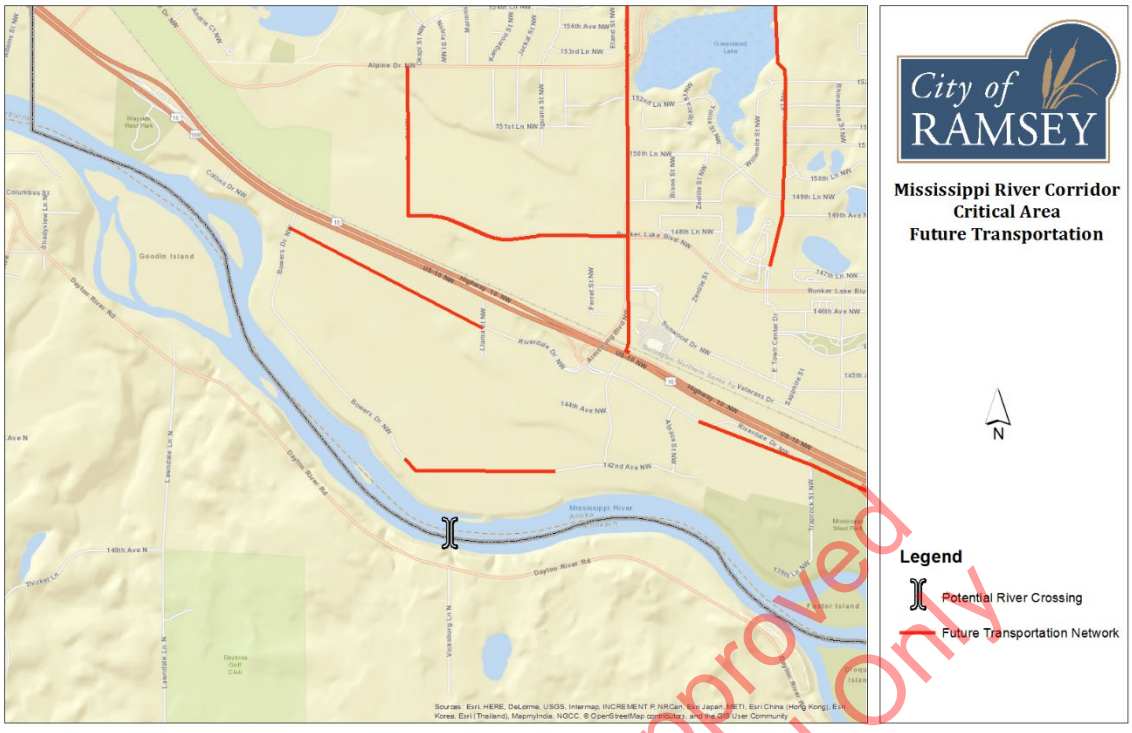
Currently there is a boat launch at the site of the planned Mississippi River West Regional Park. This is an important community asset for the purposes of public river access. The Mississippi West Regional Park will be a primary access to encourage interaction with the Mississippi River. There is also a future local park planned west of Mississippi West Regional Park. The location of this water-oriented use is identified as "view 2" on the Public River Corridor View figure.

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Transportation & Public Utilities

An existing Connexus Energy Electric Transmission Line current crosses the Mississippi River connecting Ramsey and Dayton. Ramsey continues to plan for a future River Crossing between Ramsey and Dayton which is shown in Figure 23 in the Transportation chapter.

Figure 42: Mississippi River Bridge/Crossing



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There are currently no electric power generating facilities installed within the MRCCA boundary. There is however a solar garden owned and operated by Connexus Energy just outside of the boundary. The City and will work with Connexus Energy to minimize the visual impact future transmission lines to the system would have on PCAs and PRCVs in the area. Solar power generating facilities are allowed as an accessory use is all city zoning districts. Ground mounted solar energy systems are required to comply with all building setbacks in the applicable zoning district. The height of ground mounted solar energy systems at maximum designed tilt shall not exceed the distance from the nearest property boundary or the maximum allowable building height for the applicable zoning district, whichever is more restrictive. Building mounted solar energy systems shall comply with the maximum allowable building height for the applicable zoning district. The limitations on height to be in conformance with height of other structures in the zoning district will limit the amount of impact a solar energy system could have on area PRCV's.

MRCCA Policies

Districts/Land Use

Policy 1: The City will implement the policies of the Critical Area by adopting the new MRCCA districts within our Zoning Code and amend the City's Zoning Map accordingly.

Policy 2: The City will protect native and existing vegetation during the development process and require restoration if any is removed by development. Priorities for restoration shall include stabilization of erodible soils, riparian buffers and bluffs or steep slopes visible from the river.

Policy 3: Identify and encourage connection of CA-SR district land to existing and planned parks and trails for Local Governing Units (LGUs) with developable land in CA-SR districts.

Policy 4: Encourage that land dedication requirements be used to acquire land suitable for public river access.

Policy 5: Guide land use and development consistent with management purpose of each district.

Policy 6: Amending existing or adopting new MRCCA ordinance overlay district compliant with the goals of the MRCCA Plan and Minnesota Rules, part 6106.0070, Subp. 5 – Content of Ordinances

Primary Conservation Areas

Policy 1: The City will encourage conservation subdivision design to protect Primary Conservation Areas.

Policy 2: Conservation Subdivision Design will be utilized to allow the clustering of lots in exchange for permanent protection of Primary Conservation Areas.

Policy 3: The City will continue its proactive approach to subdivision design by encouraging setbacks and adequate lot depth to preserve Primary Conservation Areas.

Policy 4: The City will support mitigation of impacts to PCAs through subdivisions/PUDs, variances, CUPs, and other permits.

Policy 5: The City will where possible and feasible restore previously removed native plant communities and natural vegetation in riparian areas a high priority during development.

Policy 6: The City will seek to establish permanent protection of PCAs through either public acquisition, conservation easement, or deed restrictions.

Policy 7: The City will seek to minimize impacts to PCAs from solar and wind generation facilities, public transportation facilities and public utilities.

Policy 8: The City will protect Primary Conservation Areas as shown and described within this MRCCA plan.

Public River Corridor Views

Policy 1: The City will strive to work with applicable partners, especially Anoka County Parks, to improve access to Public River Corridor Views.

Policy 2: When feasible, the City will protect and minimize impacts to PRCVs from public and private development activities.

Policy 3: The City will protect and minimize impacts to PRCVs from public and private vegetation management activities.

Policy 4: The City will protect PRCVs located within the community and identified by other communities adjacent or across the river.

Policy 5: The City will seek to minimize impacts on PRCVs from solar and wind generation facilities, public transportation facilities and public utilities.

Restoration Priorities

Policy 1: The City will continue to implement pilot demonstration projects and incentives to encourage restoration of priority areas.

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Policy 2: The City will seek opportunities to restore vegetation to protect and enhance PRCVs identified in this plan.

Policy 3: The City will seek opportunities to restore vegetation in restoration priority areas identified in this plan through the CUP, variance, vegetation permit and subdivision/PUD processes.

Policy 4: The City will work to sustain and enhance ecological functions (habitat value) during vegetation restorations.

Policy 5: The City will require that proposed development sites be evaluated for erosion prevention and bank and slope stabilization issues and require restoration as part of the development process.

Surface Water Uses

Policy 1: The City will continue to support Anoka County's operation of a Boat Launch along Traprock Street.

Policy 2: The City recognizes the Mississippi River as a "working river" that is important to the economy of the Twin Cities metropolitan area and the Midwest.

Policy 3: The City does not currently regulate surface water use under Minn. Statute, Chapter 86B and does not intend to assume that responsibility.

Policy 4: Where applicable, the City will seek to balance commercial and recreational surface water uses.

Water Oriented Uses

Policy 1: The City will work to minimize potential conflicts of water-oriented uses with other land uses.

Policy 2: The City acknowledges the existing water oriented uses described in this MRCCA plan and will protect those uses within the MRCCA boundary.

Open Space & Recreation Facilities

Ramsey will continue to support planning and implementation for Mississippi West. Ramsey will continue to own and maintain Riverdale Park. Ramsey will continue to plan for a new municipal park along the Mississippi River between the Alpaca Estates and Bowers neighborhoods.

Transportation & Public Utilities

Ramsey will continue to support future planning for the future Mississippi River Crossing to the City of Dayton in Hennepin County.

Ramsey will continue to support Connexus Energy's electric transmission line across the Mississippi River to the City of Dayton.

Natural Resources Planning

Ramsey undertook two (2) comprehensive inventories in the mid-2000s; a Natural Resources Inventory (NRI) and a Wetland Inventory. Both of these data sets are referenced any time a new development is proposed. These data sets help inform Ramsey if there are significant and/or high value natural resources within a development site that may warrant greater protections. While both provide valuable insight, Ramsey acknowledges that both require periodic updates to ensure that the data is accurate and relevant. There has been no specific timeframe identified for updates

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to either, but for this data to remain useful, they should be revisited no less than every ten (10) to fifteen (15) years. This may be useful as Ramsey continues to consider partnering with other agencies, especially as it relates to shoreline stabilization efforts.

City Code Amendments

In order to properly administer this amended plan, the City will need to make certain amendments to City Code. These amendments include but are not necessarily limited to the following.

- Establish General Land Use Review Procedures.
- Develop administrative procedures for shoreline stabilization.
- Establish a vegetation permitting process that includes permit review procedures to ensure consideration of restoration priorities identified in this plan in permit issuance, as well as standard conditions requiring vegetation restoration for those priority areas.
- Establish process for evaluating priorities for natural vegetation restoration, erosion prevention and bank and slope stabilization, or other restoration priorities identified in this plan in CUP, variances and subdivision/PUD processes.
- Develop visual analysis approach for CUPs for additional height in the RTC and UM districts (if applicable), as well as for proposed PUDs and variances.
- Develop a system for reviewing, tracking, and monitoring open space required as part of the subdivision process.

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Critical Area Implementation Plan

Strategy: Protect and Restore Significant Ecological Resources

- Update Zoning Code to reflect Amended Plan
- Establish a plan to reduce erosion, protect canopy coverage, protect significant vegetative areas, and encourage pollinator-friendly landscapes
- Ensure that information on the location of PRCVs is readily available to property owners to understand how PRCV-relevant ordinance requirements, such as vegetation management and land alteration permits, apply to their property for project planning and permitting.
- Actively communicate with other communities to protect views they have identified in your community that are valuable, and vice versa
- Establish procedures for processing applications with potential impacts to PRCVs including
    - Identifying the information that must be submitted and how it will be evaluated
    - Determining appropriate mitigation procedures/methods for variances and CUPs

Strategy: Improve Water Quality

- Establish a plan to reduce the amount of sediment and phosphorus entering the river.

Strategy: Maintain and Improve Recreation Opportunities along and adjacent to the Mississippi River

- Prioritize areas for acquisition to increase opportunities to access the river
- Coordinate jurisdictional planning efforts

Strategy: Improve Access to the Mississippi River

- Encourage creation, connection, and maintenance of open space, recreational facilities, including public access to the river
- Create and maintain access facilities for public access
- Complete the Central Anoka County Regional Trail Connection
- Update the Capital Improvement Program (CIP) to reflect the amended Plan
- Update Surface Water Use Regulations
- Provide Guidance to Private Property Owners for Private Accesses

Strategy: Communicate the Benefits of Protection of Ecological Resources

- Create Informational Packets that provide the location of PCAs and information for property owners to understand how PCA-relevant ordinance requirements, such as vegetation management and land alternation permits apply to their property for project planning and permitting
- Establish procedures and criteria for processing applications with potential impacts to PCA's including:
    - Identify what information must be submitted for projects within the MRCCA boundary and the way in which it will be evaluated
    - Determine appropriate mitigation procedures/methods for variances and CUPs
    - Establish evaluation criteria for protecting PCAs when a development site contains multiple types of PCAs and the total area of PCAs exceed the required set aside percentages

Previously Approved For Background Only

    - Develop administrative procedures for integrating DNR and local permitting of riprap, walls and other hard armoring.
- Develop a Communications Plan
- Create a new Critical Area Webpage
- Create a Signage Package for Public Spaces
- Provide information on the location of natural vegetation restoration priorities to property owners to help them understand how relevant ordinance requirements apply to their property for project planning and permitting.

Strategy: Prioritize Areas of Preservation

- Focus efforts on stabilizing erosion at Mississippi West Regional Park
- Work collaboratively with owners of undeveloped land with shoreline to partner of preservation and flexibility in subdivision design

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MRCCA Standards Comparison

The following is a **sampling** of how key neighborhoods are impacted. This is not an exhaustive review.

Neighborhood General Comparison – Bulk Standards

- River Lots
    - Tungsten District (SE Ramsey)
        - No Change – designation remains the same (urban residential style)
    - Alpaca Estates (South Central Ramsey)
        - No Change – designation remains the same (rural residential style)
    - Bowers Drive
        - Changed to River Neighborhood – reflective of actual development pattern
        - Many lawful, nonconforming designations removed and are now simply conforming to code
- Non-River Lots
    - All lots without frontage on the shoreline now generally default to underlying zoning
    - Standards are generally reduced for non-riparian lots

Other Changes of Note

- Vegetative Management **standards** generally remain unchanged compared to Ramsey's current ordinance
- The Vegetation Management Permit is a new requirement
- The administrative provisions of the ordinance remain generally unchanged, but language updated to reflect current processes already used

General Note

Ramsey was fortunate to derive significant benefit from the revised rules as our ordinance already included most of the provisions. The benefit to Ramsey is in the change to the districts that better reflect existing development and future plans/vision. It is acknowledged that in other communities in the corridor, many of these standards are new and not included in existing regulations and can be seen as adding regulations. This is generally not the case for Ramsey.

Working to protect the Mississippi River and its watershed in the Twin Cities area.

101 East Fifth Street
Suite 2000
Saint Paul, MN 55101

651-222-2193
www.fmr.org
info@fmr.org

March 3, 2021

Dear councilmembers:

Thank you for the opportunity to comment on Ramsey's proposed Mississippi River Corridor Critical Area (MRCCA) ordinance.

Friends of the Mississippi River (FMR) is a non-profit organization with a mission to engage community members and other stakeholders to protect, restore and enhance the Mississippi River and its watershed in the Twin Cities Region. We represent thousands of people in the metropolitan area who care deeply about the river, including a growing membership of over 2,700 people and more than 3,200 volunteers and 2,000 advocates engaged each year.

The Mississippi River is a natural, cultural and historic wonder that helps define our metro area. In recognition of this, its 72-mile stretch through the Twin Cities is not only a state-designated Critical Area but also a national park afforded special protective policies.

The MRCCA ordinance adoption process is an important opportunity for communities to define their goals and expectations for years to come. A successful ordinance will guide riverfront use in a way that reflects the city's environmental, development, and recreational priorities while providing clarity for landowners and developers.

Strong and thoughtful ordinance

On the whole, we're pleased with Ramsey's draft MRCCA ordinance; it reflects a high degree of care and attention. It's well-crafted to support the city's goals.

Ramsey's ordinance exceeds minimum state standards in some notable ways. These strong points include:

- Extending the public and agency notice period for discretionary actions to 30 days, allowing more time for the DNR and National Park Service to provide feedback and technical assistance.
- Including clear, strong standards to ensure that variances and CUPs do not negatively harm the river or its important features.
- Including regulations on fences, which will reduce conflicts between neighbors about river views.

Recommendation: add bird-safe lighting standards and wildlife protections

The Mississippi River is a crucial migratory flyway for about 40% of all North American migrating birds. Roughly 270 bird species live in or travel through the Twin Cities river flyway. Bird populations are experiencing significant collapse and are under continued threat. In the U.S. it's estimated that 600 million birds are killed in window strikes each year. Lighting, landscaping, and building glass are all contributing factors.

One way to balance a developed environment with wildlife protection is to require bird-friendly exterior lighting (namely, downward-shielded lighting) in the Critical Area. Minneapolis, which was the first city to pass its MRCCA ordinance, added a "Performance Standards for Exterior Lighting" section that is attached to this letter as a reference. Other cities are adding or considering similar provisions in their pending ordinances. We recommend Ramsey do the same.

Another opportunity for stronger wildlife protections could be to add this as a required finding for variance and CUP requests: "The variance will not negatively impact birds and other wildlife using the Mississippi Flyway through habitat loss in identified PCAs and significant vegetation stands, collision threats, or light pollution in excess of the required lighting standards of this zoning ordinance." (This is also in Minneapolis' ordinance and is likely to be included in others.)

Recommendation: expand vegetation management standards

The MRCCA ordinance offers an opportunity to promote healthy plant communities along the riverfront, as well. Ramsey could consider these additions to the Vegetation Management section of the ordinance:

- I.4: Consider adding "removal of healthy trees over four inches in circumference" to the list of activities for which a permit is required.

- I.b.4.7: Consider expanding the requirement that "vegetation removal activities are conducted so as to expose the smallest practical area of soil to erosion for the least possible time" by adding "and to avoid bird migration and nesting seasons."

- I.6.b.2: We recommend that vegetation restoration plans must be prepared by "a qualified individual-with demonstrable experience and knowledge related to management of natural areas such as natural resource manager or ecologist."

  FMR's staff ecologists recommend this wording to ensure that the plans are prepared by someone with specific expertise in natural vegetation that not all lawn care professionals may have.

Additional recommendations

We have a couple of additional recommendations for Ramsey's ordinance:

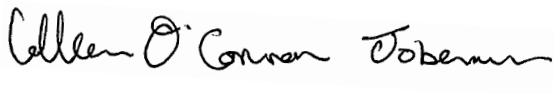
- Section C.5 (Administration): Additional mitigation options to list could include:
    - Increasing, enhancing, and/or connecting habitat for pollinators, birds, and other wildlife
    - Increasing open space dedication

- Section G.5.c (Performance Standards for Private Facilities): Consider adding the shoreline impact zone as an area into which decks and patios cannot extend. Undeveloped shoreline areas are important for water quality, erosion control, and wildlife habitat; they also enhance the river's scenic qualities.

Please don't hesitate to contact me at ctoberman@fmr.org or 651-222-2193 x29 to discuss any of our comments further. FMR also has extensive MRCCA ordinance resources (including videos, handouts, and interactive maps) available at www.fmr.org/river-rules.

Thank you for your time and consideration.

For the river,



Colleen O'Connor Toberman
River Corridor Program Director

Minneapolis MRCCA ordinance example: performance standards for exterior lighting

551.1880.- Performance standards for exterior lighting.

(a) *Exterior lighting standards.* In addition to the lighting standards in section 535.590 of this zoning ordinance, all exterior lighting with in the MRCCA must comply with the following standards:

(1) Luminaires must be full-cutoff or fully shielded. See Figure 551-8.

(2) Uplighting is not permitted, unless otherwise allowed by conditional use permit.

(3) For structures other than single- and two-family dwellings, and three-family dwellings architectural accent, ornamental, or decorative lighting is not permitted, unless otherwise allowed by conditional use permit.

(b) Conditional use permits and exemptions.

(1) Architectural uplighting of buildings and architectural accent, ornamental, or decorative lighting may be allowed by conditional use permit, provided the lighting is turned off from dusk to dawn between March 15 and May 31 and between August 15 and October 31 each year.

(2) Lighting that is noncompliant with the standards of the section may be allowed by conditional use permit for public parks, athletic fields and outdoor recreation facilities serving or operated by an institutional or public use, and outdoor commercial recreation, entertainment and lodging uses, provided the lighting is related to and reasonable necessary for the operation of the use and that is turned off when the use is not in operation.

(3) Lighting that is noncompliant with the standards of this section, may be allowed by the Heritage Preservation Commission for historic landmarks and districts when determined to be a contributing feature of a landmark or district. In addition, lighting of public facilities that is noncompliant with the standards of this section, may be allowed by the zoning administrator where required by federal and state historic regulations, guidelines, or environmental reviews. Were possible, lighting should be turned off from dusk to dawn between March 15 and May 31 and between August 15 and October 31 each year.

(4) The following lighting is exempt from the provisions of this section:
   a. Publicly controlled or maintained emergency or traffic signals;
   b. Lighting for public monuments, statues, and bridges;
   c. Lighting required by federal or state laws or regulations;
   d. Emergency lighting;
   e. Flagpoles; and
   f. Motion-activated security lighting.

Figure 551-8: Examples of fully shielded and cutoff luminaries



DEPARTMENT OF NATURAL RESOURCES

DNR Central Region Office
1200 Warner Road
St. Paul, MN 55106

February 19, 2021

Tim Gladhill, Deputy City Administrator
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Re: Conditional Approval of City of Ramsey MRCCA Ordinance

Dear Mr. Gladhill:

Thank you for sending your proposed Mississippi River Corridor Critical Area (MRCCA) ordinance to the Minnesota Department of Natural Resources (DNR) for conditional approval. We have reviewed your ordinance and supporting documentation and I am pleased to inform you that the proposed ordinance is substantially consistent with the MRCCA rules and is hereby approved, provided all of the conditions of approval in this letter are met.

We reviewed your proposed MRCCA ordinance and supporting documentation submitted on January 4, 2021. We have found that the ordinance is substantially consistent with Minnesota Statutes, §116G and Minnesota Rules, chapter 6106. The City may now adopt the ordinance subject to the conditions of approval below. Minnesota Rules 6106.0070 Subp.3.G. require local governments to adopt the ordinance within 60-days of DNR approval.

Conditions of Approval

The following conditions must be met before the DNR will issue final approval:

1. Complete the Administrative Checklist found in step 3 on our ordinance review and approval process webpage and email it and the supplemental documents indicated on the checklist to us. These documents demonstrate that the City is ready to administer the MRCCA ordinance.

Next Steps

Following are the steps for completing and receiving final DNR approval for your ordinance:

1. Address the condition listed above under conditional approval.
2. The City Council adopts the ordinance.
3. Email the completed Ordinance Processing Checklist (attached) and the documents identified on the checklist within 10 days of adoption to:
    a. Lucas.youngsma@state.mn.us
    b. Ordinance.review.dnr@state.mn.us

4. We will review the ordinance adopted by the City Council for consistency with the ordinance that received conditional approval. We will also send a copy to the National Park Service and the Metropolitan Council as required by rule.
5. If the adopted ordinance is consistent, I will send you a "final approval" letter. State rules require DNR final approval of MRCCA ordinances and amendments for those ordinances to be effective.

A MRCCA ordinance is an important land use regulation that helps to protect surface water quality, near shore habitat, and scenic character of the MRCCA. We appreciate your efforts to protect these resources for all present and future Minnesotans. Lucas Youngsma is available to help the City administer the ordinance and to consult with you on other water-related projects and their implementation.

Sincerely,



Dan Lais
Central Region Manager

Attachments:

Proposed Ordinance
MRCCA Ordinance Processing Checklist

c: Lucas Youngsma, DNR Area Hydrologist
Raya Esmaeili, Metropolitan Council
Adam Muilenburg, National Park Service
Ordinance.review.dnr@state.mn.us

Commissioner Anderson	nay
Commissioner Peters	aye
Commissioner Gengler	aye
Commissioner VanScoy	aye
Chairperson Bauer	aye

Motion carried.

6.03: Public Hearing: Consider Ordinance #21-02 Amending City Code Section 117-148 Entitled Mississippi River Corridor Critical Area

Public Hearing

Chairperson Bauer called the public hearing to order at 8:06 p.m.

Presentation

Deputy City Administrator Gladhill presented the staff report stating that staff recommends adoption of the ordinance.

Councilmember Musgrove asked if staff has worked with other cities in this area and how those cities are adjusting to the changes.

Deputy City Administrator Gladhill noted that there were two attempts at rule making, noting that the first did not go well and the DNR took a step back and reevaluated. He stated that the second attempt was much more successful with community input. He stated that staff worked extensively with communities on the upper pool of the Coon Rapids Dam (Anoka, Dayton, Brooklyn Park and Coon Rapids). He stated that while there was frustration in the beginning, throughout the process there was improvement. He commented that Ramsey may be one of the first to bring forward the ordinance amendment, but all cities should have submitted their Comprehensive Plan and will be updating their ordinance as well.

Citizen Input

No comments.

Motion by Commissioner VanScoy, seconded by Commissioner Peters, to close the public hearing.

A roll call vote was performed:

Commissioner Peters	aye
Commissioner Gengler	aye
Commissioner Anderson	aye
Commissioner VanScoy	aye
Chairperson Bauer	aye

Motion carried.

Chairperson Bauer closed the public hearing closed at 8:16 p.m.

Commission Business

Motion by Commissioner Gengler, seconded by Commissioner VanScoy, to recommend that City Council adopt Ordinance #21-02 amending City Code Section 117-148 (Mississippi River Corridor Critical Area).

Further discussion

Councilmember Musgrove asked if these changes could result in more project opportunities, such as riverbank stabilization and whether there would be additional funding opportunities for river property owners. Deputy City Administrator Gladhill stated that changing the zoning ordinance may not directly result in that action but having compliant regulations will assist. He advised of work that was done through the EPB that reviewed the condition of the shoreline and could result in additional funding opportunities for residents.

A roll call vote was performed:

Commissioner Gengler	aye
Commissioner Peters	aye
Commissioner Anderson	aye
Commissioner VanScoy	aye
Chairperson Bauer	aye

Motion carried.

6.04: Public Hearing: Consider Recommendations Related to Riverstone South; Case of Capstone Homes/Riverstone Development

1. **Adopt Resolution #21-015 Approving Comprehensive Plan Amendment from Low Density Residential to Medium Density Residential for Detached Townhome Section and Preliminary Plat for Riverstone South**
2. **Adopt Ordinance #21-03 Approving Zoning Amendment from R-1 Residential (MUSA – 80) District to R-1 Residential (MUSA – 65) District, R-1 Residential MUSA – 50) District and R-2 Residential (Detached Townhome) District**

Public Hearing

Chairperson Bauer called the public hearing to order at 8:20 p.m.

Presentation

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CITY COUNCIL
CITY OF RAMSEY
ANOKA COUNTY
STATE OF MINNESOTA

The Ramsey City Council conducted a regular meeting on Tuesday, January 26, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Members Absent: None

Also Present: City Administrator Kurtis Ulrich
Police Chief Jeff Katers
Deputy City Administrator Timothy Gladhill
City Engineer Bruce Westby
Economic Development Manager Sean Sullivan

1. CALL TO ORDER

Mayor Kuzma called the regular meeting of the Ramsey City Council to order at 7:10 p.m., followed by the Pledge of Allegiance led by Mayor Kuzma.

City Administrator Ulrich read a statement related to the COVID-19 pandemic and local state of emergency. In declaring this Local State of Emergency, the City of Ramsey has determined that in person meetings and meetings conducted under Minnesota Statutes Section 13D.02 are not practical or prudent because of the declared health pandemic emergency.

2. PRESENTATION

There were none.

3. CITIZEN INPUT

None.

4. APPROVE AGENDA

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

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Musgrove, Howell, Specht, and Woestehoff. Voting No: None.

5. CONSENT AGENDA

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

5.01: Note the Following Boards, Commissions and Committee Meeting Minutes:
- Planning Commission Meeting Minutes dated November 5, 2020
- Planning Commission Meeting Minutes dated December 3, 2020
- Economic Development Authority Meeting Minutes dated November 12, 2020
- Park and Recreation Commission Meeting Minutes dated November 12, 2020
- Public Works Committee Meeting Minutes dated November 17, 2020

5.02: Approve the following Meeting Minutes:
1) City Council Work Session dated January 12, 2021
2) City Council Regular dated January 12, 2021

5.03: Approve Rental Licenses

5.04: Award Sign Addition for Loral I Armstrong Delaney Ramsey Central Park

5.05: Adopt Resolution #21-033 Approving Cash Disbursements Made and Authorizing Payment of Accounts Payable Invoicing Received During the Period of January 7, 2021 through January 20, 2021

5.06: Adopt Resolution #21-014 Approving an Interim Use Permit for Storage Containers and Gravel Parking at 8049 146th Avenue NW (Project 20-137); Case of JBR Ramsey, LLC on behalf of Richard Lee

5.07: Adopt Resolution #21-024 Prohibiting Parking on Riverdale Drive between Feldspar Street and Sunfish Lake Boulevard for Improvement Project #21-00

5.08: Adopt Resolution #21-025 Approving Second Amendment to Purchase Agreement and Right of Re-Entry Agreement with Gigi's Salon and Spa, Inc. (Portions of case may be closed to the public)

5.09: Adopt Resolution #21-028 Authorizing Partial Payment #4 to RJM Construction for Improvement Project #20-07 New Public Works Facility

5:10: Adopt Resolution #21-029 Authorizing Final Payment to Northern Lines Contracting, Inc. for Improvement Project #18-09, COR Infiltration Basin Improvements

5:11: Adopt Resolution #21-032 Authorizing Partial Payment #6 to Park Construction for Improvement Project #20-01, Variolite Street Reconstruction Project

5:12: Adopt Resolution #21-034 to Approve the City's 2021 Union Contracts for LELS Patrols and LELS Sergeants

5:13: Adopt Resolution #21-035 Directing Staff to Subject the 2021 Pay Equity Report

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Woestehoff, Howell, Musgrove, Riley, and Specht. Voting No: None.

6. PUBLIC HEARING

There were none.

7. COUNCIL BUSINESS

7.01: Adopt Resolution #21-027 Approving Request for Interest (RFI) for a Dynamic Display Billboard for Retail Advertising on Highway 10 Near The COR

Economic Development Manager Sullivan reviewed the staff report and recommendation of the EDA that the City Council begin a process seeking interest in construction of a dynamic display billboard on Highway 10.

Councilmember Riley referenced the cost of the sign and asked if that would be funded through private investment rather than by the City.

Economic Development Manager Sullivan confirmed that the City would ask the developer to incur the cost.

Councilmember Woestehoff asked if the sign would meet the current requirements for average signage if it were located on private property.

Economic Development Manager Sullivan stated that included in the RFI there is language related to adjusting or working within the sign ordinance. He commented that he would imagine that the City would need to potentially tweak the regulation if it makes sense.

Councilmember Musgrove stated that she believes this action would be premature. She asked if the plan would be for this to be located on private or public land.

Economic Development Manager Sullivan commented that the City would be asking these companies to provide suggestions as to the best placement of the sign. He stated that the goal would be to have companies present information that the City could evaluate, and this would not commit the City to any action.

Deputy City Administrator Gladhill stated that the design process for Highway 10 will provide a better understanding of the right-of-way needs, which could also create opportunities. He stated that he understands the concern but recognized that this process would take time and the right-of-way needs should be known by that time.

Mayor Kuzma commented that he saw the presentation at the EDA meeting, and this would really help the businesses in Ramsey to have that additional exposure opportunity and therefore he would be interested in receiving proposals.

Councilmember Musgrove asked if it would be more favorable to change the restrictions for business signage rather than having those businesses pay for space on a billboard. She asked if the sign ordinance is too restrictive.

Mayor Kuzma stated that the EDA did not discuss that and instead focused on what the dynamic sign could bring. He commented that the sign would sell to national chains but would also make advertising available on a scale that small businesses could support. He stated that this process

would identify opportunities that the City could review, and it would not bind the City to any action.

Councilmember Specht stated that he likes that the RFI states that space must be reserved for City and local advertising and asked for details on the type of advertising that the City may do.

Economic Development Manager Sullivan replied that they are open to any and all City messaging that could enhance the message the City is attempting to spread, using the example of local events that the City advertises. He stated that if the City is going to move forward, it would be important to identify City input and restrictions along with the time and space that would be reserved for Ramsey businesses. He used the example of the sign in Champlin, which identifies a minimum amount of time and space for local Champlin businesses. He stated that the City can also prohibit content that it does not feel appropriate through ordinance.

EDA Chairperson Steffen commented that bringing retail and restaurants to The COR has been a long-term goal of the EDA and Council. He stated that in the past six years the City has added rooftops and therefore he does not believe that lack of rooftops is a continued barrier that the City once faced. He noted that the Armstrong Interchange has also not been the golden ticket in attracting those types of businesses. He stated that the issue at this time seems to be related to visibility and lack of exposure. He stated that RDH has contacted almost every national retailer and restaurant in the country and continues to hear that the businesses are not interested because of the lack of exposure. He stated that this process is simply a request for information for something that would have zero cost to the City. He stated that many businesses do not have the ability to have a sign on their property, if located on the interior of The COR, that could be visible from the highway. He stated that this request for interest will answer some of the questions that have been brought forward tonight.

Councilmember Specht stated that originally, he was not a fan of this idea based on how this would look, but as he hears the feedback from staff, the EDA, and businesses, he would respect the idea of gathering more information. He stated that he will support this effort to gather additional information.

Councilmember Woestehoff stated that he agrees with the comments of Councilmembers Specht and Musgrove. He stated that he has hesitations because of the current sign regulations which do not allow billboards but is happy to entertain what this might look like and how it could help and attract businesses.

Councilmember Howell stated that she was also hesitant about this idea. She asked the radius of local businesses that would be allowed to advertise on the sign.

Economic Development Manager Sullivan commented that the sign would be available to all Ramsey businesses and not just those within The COR. He stated that whatever the design of the sign, it would be complimentary to the existing signage.

Motion by Councilmember Riley, seconded by Councilmember Woestehoff, to Adopt Resolution #21-027 Approving Request for Interest for a Dynamic Display Billboard for Retail Advertising Along Highway 10 Near the COR.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Woestehoff, Howell, and Specht. Voting No: Councilmember Musgrove.

7.02: Adopt Resolution #21-022 Approving Plans and Specifications and Authorizing Advertisement for Bids for Riverdale Drive Reconstruction, Improvement Project #21-00

City Engineer Westby reviewed the staff report and recommendation to adopt Resolution #21-022 approving plans and specifications and authorizing advertisements for bids for Riverdale Drive Reconstruction, Improvement Project #21-00 in accordance with the approved 2021-2030 CIP.

Councilmember Musgrove asked if it is normal to have 90 percent plans.

City Engineer Westby replied that staff would love to have 100 percent plans every time it presents to Council, but they are trying to expedite the process. He stated that typically the best bids are received during the winter (January/February) before contractors have filled their project slate for the year as that relates to better pricing. He stated that if the City waits until March/April to bid projects, it typically receives higher bids. He stated that staff is comfortable presenting these plans tonight and will have plans 100 percent complete by the bid time.

Councilmember Riley commented that the repair crew spent about three weeks on this section of road and about three weeks on Variolite, which has already been reconstructed. He stated that the rest of the City will benefit by having this section of road reconstructed as well as that frees up six weeks for patch work in other areas of the community.

Motion by Councilmember Specht, seconded by Councilmember Musgrove, to Adopt Resolution #21-022 Approving Plans and Specifications and Authorizing Advertisements for Bids for Riverdale Drive Reconstruction, Improvement Project #21-00.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Musgrove, Howell, Riley, and Woestehoff. Voting No: None.

7.03: Adopt Resolution #21-023 Approving Plans and Specifications and Authorizing Advertisements for Bids for 2021 Crack Seal Improvements, Improvement Project #21-06

City Engineer Westby reviewed the staff report and recommendation to adopt Resolution #21-023 approving plans and specifications and authorizing advertisements for bids for 2021 Crack Seal Improvements, Improvement Project #21-06.

Motion by Councilmember Howell, seconded by Councilmember Specht, to Adopt Resolution #21-023 Approving Plans and Specifications and Authorizing Advertisements for Bid for 2021 Crack Seal Improvements, Improvement Project #21-06.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Howell, Specht, Musgrove, Riley, and Woestehoff. Voting No: None.

7.04: Introduce Ordinance #21-01 Amending City Code Sections 117-111 (R-1 Residential District) and 117-112 (R-2 Residential District) Clarifying Sub-Districts Based on Lot Size

Deputy City Administrator Gladhill reviewed the staff report and recommendation of the Planning Commission to adopt Ordinance #21-01.

Councilmember Riley asked for additional information as this would appear to move 50 foot lots from R-2 to R-1.

Deputy City Administrator Gladhill replied that the Council would still dictate where the subdistrict would go through rezoning. He stated that staff was finding that the 50-foot-wide lots were not reaching the density range in R-2 and therefore it better fits in the density allowed in R-1. He confirmed that the Planning Commission held a public hearing on this issue and recommended approval.

Councilmember Musgrove asked the difference between R-1-1 and R-1-3.

Deputy City Administrator Gladhill recognized that there was a typo noting that it should state MUSA-80, MUSA-65, and MUSA-50. He stated that staff would make that correction before the ordinance comes back for adoption. He stated that by default, R-1 would remain at 80-foot-wide lots and if something less is requested, the developer would still need to go through a rezoning request.

Councilmember Musgrove stated that this references residential MUSA areas and asked if there are areas outside of that.

Deputy City Administrator Gladhill confirmed that there are other areas outside of residential MUSA that would remain unchanged.

Councilmember Specht asked if this change would make it easier for developers to request this smaller lot size.

Deputy City Administrator Gladhill stated that this change would not impact the City's ability to remain more restrictive, it simply provides another tool in the box for the City.

Councilmember Woestehoff commented that this change would clean up the zoning map and would not change anything. He noted that R-1 would become all single family, R-2 would be

townhomes, and R-3 would be condominiums. He commented that this would then be a cleaner way to describe the different zones.

Motion by Councilmember Woestehoff, seconded by Councilmember Riley, to Introduce Ordinance #21-01 Amending Article II Division 4 Section 117-89 (Districts), 117-111 (R-1 Residential District), and 117-112 (R-2 Residential District).

Further discussion: Councilmember Musgrove asked if this would be a housekeeping item to better clarify the areas. Councilmember Woestehoff stated that he views this as updating the glossary of terms. Deputy City Administrator Gladhill confirmed that this would not make any changes and would simply be more tools and placing things in the right area. He confirmed that the Council would still hold control over the ultimate land use.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Woestehoff, Riley, Howell, and Musgrove. Voting No: Councilmember Specht.

7.05: Introduce Ordinance #21-02 Amending City Code Section 117-148 Entitled Mississippi River Corridor Critical Area

Deputy City Administrator Gladhill reviewed the staff report and recommendation of the Planning Commission to adopt Ordinance #21-02.

Councilmember Riley commented that there is a whole neighborhood that was colored green and asked if that area would become lawful nonconforming.

Deputy City Administrator Gladhill replied that the neighborhood already conforms with the rules as it is developed under rural character. He stated that if there was a deficiency that would create lawful nonconforming, a subdistrict would be applied.

Councilmember Riley stated that he would not be ready to move forward until there is more time to digest the information and the ramifications of these decisions.

Councilmember Musgrove asked if the timing for this is part of the DNR timing or whether it is needed for Riverstone South.

Deputy City Administrator Gladhill replied that the City is required to have this adopted by the end of 2022, as he believed Ramsey is part of the second wave. He stated that the City originally did not anticipate a project coming forward, therefore Riverstone is a driving factor. He noted that the ordinance and development are under review by the DNR. He stated that staff is attempting to meet the schedule of the developer.

Councilmember Musgrove stated that she would also have concerns moving forward tonight and would like additional time to review the information and what it would mean for the City of Ramsey and the impacted developments. She stated that she does not want to deter development but wants to ensure the best decisions are made.

Deputy City Administrator Gladhill confirmed that staff would welcome additional time for review. He stated that the Council could postpone this discussion and forward this to a future worksession.

Motion by Councilmember Riley, seconded by Councilmember Musgrove, to postpone Ordinance #21-02 Amending City Code Section 117-148 Entitled Mississippi River Corridor Critical Area and forward it to a future worksession.

Further discussion: Councilmember Specht asked if postponing this action would impact the Riverstone South development. Deputy City Administrator Gladhill provided an update on the case on tonight's agenda and noted that action could still occur tonight. He stated that there is additional time before the Council reviews the Preliminary Plat.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Riley, Musgrove, Howell, and Specht. Voting No: Councilmember Woestehoff.

7.06: Receive Request from Planning Commission to Reconsider Bowers Drive Connection

Planning Commissioner Randy Bauer reviewed the staff report and stated that upon a vote of 3-2, the Planning Commission recommended that the City Council reconsider the connection to Bowers Drive, at some form, for public safety reasons. He asked for input from members of public safety and/or public works related to their concerns for not having a second access on Bowers Drive because that was the driving force behind the Planning Commission recommendation.

Police Chief Katers replied that public safety has been consistent in their recommendations for access. He stated that for police, two accesses are better than one and connection between neighborhoods is good. He believed that fire also requires adequate turning radius and dedication of fire access roads. He commented that for public works it is easier to plow a through street rather than a dead end. He stated that he fully understands that this is a nonconforming existing residential neighborhood and that the residents are opposed to this connection.

Councilmember Musgrove stated that she appreciates the concern from the members of the Planning Commission, but when this previously came forward to the City Council through a public hearing, the Council agreed that the development should move forward without that second access. She asked how many Bowers Drive residents are aware that this is up for discussion tonight, noting that she would hate to make a decision on this without allowing those residents to again provide input. She commented that her position on this issue has not changed.

Deputy City Administrator Gladhill stated that the steps prior to this point have been concept planning and setup for Preliminary Plat review. He stated that the Planning Commission held the full public hearing and its last review of the project, therefore the Commission can make that recommendation as they are a recommending body. He stated that staff did not choose to notify the public for this discussion. He stated that if the decision of the Council changes, the residents would again be notified for the next review. He stated that if the Council chooses to take no action and move forward without that additional connection, that would be fine.

Councilmember Specht commented that he has received phone calls with concern over a second connection and many residents spoke at the last public meeting expressing their concerns. He stated that his position remains unchanged.

Motion by Councilmember Specht, seconded by Councilmember Howell, to affirm the previous direction of the Council to not require a second connection to Bowers Drive.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Howell, Musgrove, Riley, and Woestehoff. Voting No: None.

Deputy City Administrator Gladhill confirmed that this action reaffirms the previous direction of the Council and would most likely satisfy the Bowers Drive residents that may be present at the meeting tonight.

Councilmember Specht acknowledged that residents took time out of their night to attend and welcomed any input they may wish to provide.

Carol Larson, 14480 Bowers Drive, commented that she has been a resident on Bowers Drive for nearly 57 years and has seen many changes. She stated that adding 12 homes to Bowers Drive has added a significant amount of traffic and many young children. She stated that she was concerned that level of traffic and pedestrian traffic would increase significantly if Bowers Drive were connected to Riverstone South which would create a safety issue. She was thankful that the Council is not accommodating that connection. She thanked the Council for its continued support.

7.07: Consider Preliminary Approvals Related to Riverstone South; Case of Capstone Homes/Riverstone Development

1. **Adopt Resolution #21-015 Approving Comprehensive Plan Amendment from Low Density Residential to Medium Density Residential for Detached Townhome Section**
2. **Introduce Ordinance #21-03 Approving Zoning Amendment from R-1 Residential (MUSA – 80) District to R-1 Residential (MUSA – 65) District, R-1 Residential (MUSA – 50) District and R-2 Residential (Detached Townhome) District**

Deputy City Administrator Gladhill reviewed the staff report and recommendation of the Planning Commission to approve the Comprehensive Plan Amendment and Zoning Amendment. For future reference, the Planning Commission recommends approval of the Preliminary Plat at a future date following completion of the required EAW and with the contingencies noted in the case.

Councilmember Specht commented that this is a good plan and an area that can accommodate smaller lots, especially in the area near the solar farm. He believed that this is a good compromise for the adjacent residents of Bowers Drive and supports the changes.

Councilmember Howell stated that she is concerned with the smaller lot sizes. She commented that she recognizes that this is a compromise and likes the acreage that would be set aside but is concerned with the City's ability to maintain that and therefore is hesitant to support this.

City Administrator Ulrich clarified that the second action would be to introduce the ordinance rather than adopt it tonight.

Motion by Councilmember Specht, seconded by Councilmember Riley, to Introduce Ordinance #21-03 Amending Section 117-90 "Map" of Chapter 117 of the City Code of Ramsey, Minnesota, and Adopt Resolution #21-015 Granting Comprehensive Plan Amendment Approval, Preliminary Plat Approval and Determining that an Environmental Impact Statement is not Necessary for Riverstone Addition.

Further discussion: Councilmember Musgrove asked if the right action would be to introduce both items. Deputy City Administrator Gladhill confirmed that the recommended action in the case and as proposed is correct, to introduce the ordinance and adopt the resolution.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Riley, Musgrove, and Woestehoff. Voting No: Councilmember Howell.

7.08: Approve Revised Cost Share Framework for Riverdale Drive Extension Improvement Project Related to Riverstone South; Case of Capstone Homes and Pearson Properties of Ramsey

Deputy City Administrator Gladhill reviewed the staff report and recommendation of the Public Works Committee to approve the revised Cost Share Framework without the need for financial underwriting. The Public Works Committee feels that a contribution to a collector roadway has a broader public benefit and that the revised cost share framework is close to the original framework originally approved (non-binding) by the City Council and that additional underwriting is unnecessary.

Councilmember Riley commented that Public Works Committee had a robust discussion on this item. He noted that the previous concept split the cost into thirds between the three parties. He stated that the only change is related to the County parcel, but the cost still remains close to the one third split with the potential grant funds that could be used for that purpose. He stated that all parties continue to support the framework split as proposed.

Councilmember Musgrove asked if the City must purchase the property rather than having a right-of-way.

Deputy City Administrator Gladhill replied that the property was purchased through the RALF program with the County as the lead party for the purpose of a potential river crossing. He stated that the reaction of the County is if improvements are made to that property that aren't related to the river crossing those RALF dollars would need to be paid back. He stated that staff will continue to push on that and continue discussions.

Councilmember Musgrove asked how the solar garden interplays with that. She commented that she has a hard time with the County land being a hurdle. She recognized that if the parcel is required to be purchased, the City could have additional revenue potential from development in the future.

Deputy City Administrator Gladhill replied that the solar farm is a lease, similar to City leases that exist within properties the City purchased with RALF funds. He stated that right-of-way would be acquisition, which is different than a lease. He stated that the County does not have funds to contribute through its capital improvement plan and therefore their solution was that the City purchase the land to provide that connection for the roadway.

City Administrator Ulrich noted that the draft resolution was not included in the case and the motion would actually be to approve the revised Cost Share Framework as outlined in alternative 6A.

Councilmember Specht asked if more details for the road layout would be identified in the future.

Deputy City Administrator Gladhill confirmed that this is a conceptual higher level planning layout and details would be determined as this continues to progress.

Motion by Councilmember Specht, seconded by Councilmember Woestehoff, to Approve the Revised Cost Share Framework for the Riverdale Drive Extension Related to Riverstone South as described in alternative 6A.

Motion carried. Voting Yes: Mayor Kuzma, Councilmembers Specht, Woestehoff, Musgrove, and Riley. Voting No: Councilmember Howell.

8. MAYOR, COUNCIL AND STAFF INPUT

City Administrator Ulrich announced upcoming meetings and events.

Councilmember Specht encouraged people to try the Police Citizens Academy, noting that it is an amazing opportunity.

9. ADJOURNMENT

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

Motion carried.

The regular meeting of the City Council adjourned at 9:02 p.m.

Respectfully submitted,

Kurtis G. Ulrich
City Administrator

ATTEST:



Katie M. Schmidt
Deputy City Clerk

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

A recording of this meeting is available for viewing online at www.qctv.org <http://www.qctv.org>. Recordings are available for 36 months after the date of the meeting.

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

The Ramsey City Council conducted a City Council Special Work Session on Tuesday, February 16, 2021, at the Ramsey Municipal Center, 7550 Sunwood Drive NW, Ramsey, Minnesota.

Members Present: Mayor Mark Kuzma
Councilmember Chelsee Howell
Councilmember Debra Musgrove
Councilmember Chris Riley
Councilmember Dan Specht
Councilmember Matt Woestehoff

Also Present: City Administrator Kurtis Ulrich
Fire Chief Matt Kohner
Police Chief Jeff Katers
Parks and Assistant Public Works Superintendent Mark Riverblood
Public Works Superintendent Grant Riemer
Administrative Services Director Colleen Lasher
Deputy City Administrator Timothy Gladhill
Communications and Events Coordinator Megan Thorstad
Councilmember Elect Ryan Heineman
Planning Commission Chairperson Randy Bauer
Planning Commissioner Gary VanScoy
Planning Commissioner Bruce Anderson

1. CALL TO ORDER

Mayor Kuzma called the City Council Work Session to order at 6:15 p.m.

Councilmember Musgrove expressed concern with beginning the meeting early.

Mayor Kuzma confirmed that the meeting was noticed for a 6:15 p.m. start.

Councilmember Musgrove provided input on the process noting that perhaps it is understood that the information in the case was reviewed prior to the meeting with the meeting time more focused on discussion in order to allow the Council to move through topics more quickly.

2. TOPICS FOR DISCUSSION

2.01: Discussion Regarding Duty Officer On-Call Pay

Administrative Services Director Lasher reviewed the staff report.

Fire Chief Kohner stated that the case provides a great explanation on the value of the duty officer. He noted that this responsibility has been in place for ten years, but times have changed, and other cities are paying, therefore it is important and the right thing to do to compensate those that are waiting at home for the pager to go off. He stated that there is a big value to having an officer that can respond from their home.

Councilmember Riley asked if people volunteer to be the duty officer.

Fire Chief Kohner replied that they are not volunteers but a group of officers that are designated as duty on-call. He stated that there are seven officers that choose different weeks of availability to be on-call.

Councilmember Musgrove stated that she appreciates the restructuring that occurred for the duty officer wages, which resulted in a savings for the City. She asked for more detail on the readiness for the on-call position, specifically whether they are just waiting at home.

Fire Chief Kohner stated that during the specific timeframe they have to be at home and ready to respond to any calls, should the pager go off.

Councilmember Musgrove asked for input on the two options for pay.

Fire Chief Kohner explained that these were examples from neighboring cities. He stated that although the purpose of a duty officer is the same, the hours could be slightly different. He stated that Ramsey would be paying two hours per day, which would equate to 14 hours per week whereas Andover pays 24 hours in one week. He confirmed that officers would still receive compensation when responding to a call.

Councilmember Musgrove referenced the comments that these funds would come from the 2021 budget and asked for further details on how this could have been included in the budget.

Administrative Services Director Lasher stated that the funding listed within the case is the amount that would be required based on the current employee hourly wages and hours staffed. She stated that this has been on the to do list for staff for multiple years and therefore believed that the dollars were built into the budget in anticipation of this action and therefore this would not cause wages to go over budget.

Councilmember Musgrove stated that she would want to know more about how this was budgeted and the funding available.

Mayor Kuzma stated that the question would be whether duty officers are compensated for taking time out of their lives to commit to an on-call shift. He stated that other cities are paying their duty officers and therefore it would be fair to compensate these employees.

Fire Chief Kohner stated that although the pay structure is different, this would mirror the on-call public works staff compensation.

Councilmember Musgrove asked if firefighters received a cost of living increase each year.

Fire Chief Kohner stated that the pay scale was restructured last year and provided additional details. He noted that officers can increase their wages through years or service and additional training initiatives.

Councilmember Musgrove commented that she would want to ensure that the City is competitive in its wages for firefighters.

Fire Chief Kohner stated that Ramsey is probably a little lower than neighboring communities.

Councilmember Musgrove stated that she would like to see additional budget information as to the available funds.

Fire Chief Kohner stated that he makes his best guess on what the on-call pay will be for a year but that varies based on the number of calls.

City Administrator Ulrich recognized the desire to have additional information, noting that staff can bring that information forward in the formal Council case to consider this item on a regular Council agenda.

Mayor Kuzma confirmed the consensus of the Council to bring this forward for formal consideration.

Councilmember Riley asked if there are other policy decisions that have been built into the budget.

City Administrator Ulrich stated that he is unsure and is not sure this was built in as a policy, or whether it simply fell within the on-call budget for the year. He confirmed that he could bring that information back to the Council.

2.04: Review Current Multifamily Housing Policies and Receive Update on Current Requests for Interest by Multifamily Housing Developers

Deputy City Administrator Gladhill noted that there were requests from members of the Planning Commission to move up cases 2.04 and 2.03 because of time constraints and confirmed the consensus of the Council to move this case up to this position with case 2.03 to follow.

Deputy City Administrator Gladhill reviewed the staff report.

Mayor Kuzma commented that there are 552 businesses in Ramsey that employ over 7,000 people. He noted that not all of those employees are able to afford $500,000 homes and typically begin in apartment living and move through different housing levels during their lives. He commented that Ramsey needs to provide housing options for all of its residents. He stated that he was approached by a business that would like to locate in Ramsey offering assisted living to seniors, which would provide jobs as well. He stated that he does not want Ramsey to have the reputation of not being open to options and at least consider projects developers bring forward.

Councilmember Riley commented that he would advocate for a pause for all of the development to catch up. He stated that Ramsey was successful getting apartments built, with at least six buildings in The COR. He stated that the housing part has come forward and the eat and shop options need the opportunity to catch up. He proposed that City land not be sold for apartments at this time.

Councilmember Howell stated that she would also like to focus on allowing other types of development to catch up and pause multifamily housing within The COR.

Councilmember Woestehoff asked if potential projects would come in on parcels already zoned for high density residential.

Deputy City Administrator Gladhill stated that there has been a request for multifamily housing on the old Diamonds parcel, which is not currently zoned for that use. He stated that typically multifamily housing comes with some type of economic assistance request.

Councilmember Musgrove stated that she would agree to pause apartments and focus on the other types of development. She asked if there is information known as to the availability of the apartments in The COR.

Deputy City Administrator Gladhill replied that before the pandemic the workforce units were filling prior to completion of the building with a waiting list developed. He stated that market rate apartments were filling within one year to 18 months. He stated that he has not yet received information on the senior and market rate apartments that have recently been completed.

Planning Commissioner Chairperson Randy Bauer stated that the Planning Commission is very interested in this topic. He stated that this was scheduled for a previous worksession discussion, but the time ran short. He stated that when reviewing the plan for The COR there are areas designated for multifamily, both developed and not yet developed. He stated that retailers want to see rooftops before they felt it economically feasible to open retail in The COR, therefore the two developments work hand in hand. He stated that pausing multifamily with the desire to attract retail could actually create the opposite action. He stated that many retailers are not going forward because of COVID but housing continues. He stated that this would be an opportunity to allow additional multifamily housing developments to come forward in The COR which will in turn attract retailers when they come back to the market after COVID.

Councilmember Specht commented that in a previous case related to the potential for billboards a comment was made that population is no longer the issue deterring retailers but instead it is related to visibility from Highway 10. He stated that the City can continue to offer affordable housing in small detached single-family homes and pause multifamily development.

Planning Commissioner Gary VanScoy commented that the development Councilmember Specht referenced has houses beginning in a value of $350,000, which he would not consider affordable. He commented that not all jobs are located within The COR and therefore there should be

consideration for affordable housing outside of that area. He did not understand a desire to pause development on land that is already zoned for that purpose.

Planning Commissioner Bruce Anderson stated that he also does not understand the desire for a pause as there are two or three additional parcels within The COR designated for multifamily. He commented that once those parcels are filled, it would require a change to the Comprehensive Plan to consider additional multifamily housing. He stated that he would not support changing the Comprehensive Plan at this time but would want to see the designated land allowed to be developed.

Councilmember Musgrove asked the percentage of land that is left within The COR designated as R-3.

Deputy City Administrator Gladhill stated that previous calculation was based on acreage rather than unit count. He noted that there are a few parcels within The COR that have a flex designation that could be further reviewed in the future.

Councilmember Woestehoff agreed that the Council needs to continue to discuss this topic. He stated that in terms of the housing options for residence he would want to know where Ramsey rates in its offering of affordable housing.

Deputy City Administrator Gladhill stated that balance needs to be determined by the Council. He noted that in the past the guide was set as ten percent for rental housing. He stated that he is hearing support for a pause on City owned land and development that would require subsidy.

Councilmember Woestehoff stated that he sides with the Planning Commission and does not understand why the City would stop the sale of its City owned land for development if the land is zoned appropriately. He stated that many people are having to downsize and change their housing situation and therefore it would make sense to have a variety of housing options.

Councilmember Howell stated that she has heard comments from residents that the shops in Ramsey do not necessarily cater to needs of people in apartments.

Councilmember Musgrove stated that she believes the City needs to focus and be more receptive to businesses. She stated that there was a business that wanted to come into The COR in the hotel location, but it was determined that was not appropriate. She stated that an auto parts store was also deemed inappropriate for the proposed location. She stated that she would like to see staff and other Commissions work harder to bring in retail. She commented that the City has a good mix of housing options and wants to see more of a drive to attract retail. She believed that once that happens there would be more support to allow additional multifamily housing. She commented that within her HOA there is a cap of 10 percent of rental units in order to maintain property values. She believed that there is a balance of housing options and the effort should be focused on attracting businesses.

Mayor Kuzma commented that O'Reilly Auto Parts is coming in and the hotel project is on pause because of COVID, not any action of the City.

Councilmember Woestehoff noted that the other business that proposed to locate on the hotel site was Suite Living, which located to another site in Ramsey.

Mayor Kuzma stated that he agrees with the Planning Commission that it does not make sense to pause land that is already zoned for that purpose. He believed that additional housing would help to attract retailers.

Deputy City Administrator Gladhill recognized that there are good points on both sides, but it seems that the majority support keeping the current policy.

City Administrator Ulrich stated that there are some multifamily housing developments that are owner occupied. He stated that the units do not fall within the affordable range but do provide nice developments. He asked if the Council would be open to that type of owner-occupied multifamily development, because those are good projects that could help support areas such as this.

Councilmember Howell stated that her opposition is not related to affordability, but multifamily itself and therefore she would like to focus on economic development and pause multifamily.

Councilmember Elect Heineman commented that there has to be a goal. He stated that if you are bringing people in there has to be a quality of life to support those people, such as retail, entertainment, and established boulevards. He stated that there are new apartment buildings but that simply brings in a large group of people without the supported infrastructure and needed amenities. He believed that bringing population into the City in this manner is not a viable solution.

Planning Commissioner Anderson commented that Ramsey has a lack of communication to its residents on what it takes to bring businesses in. He stated that residents do not understand that it takes a certain population and level of income in order to attract retailers. He stated that there is a communication problem in explaining this to residents and there needs to be an education campaign aimed at residents, explaining what it takes to bring retailers to the City.

Deputy City Administrator Gladhill commented that the general consensus seems to continue the current policy to pause City owned land and projects that request subsidy.

Councilmember Woestehoff was unsure why the City owned land would be taken off the table. He asked if there would be opposition to a market rate project that sells City owned land and does not require a change in zoning.

Councilmember Howell stated that she would still want to see a pause as she believes The COR has too many apartment buildings and they need to review options for the land and allow the other markets to catch up. She stated that the stores available in Ramsey do not necessarily suit the needs of those living in apartments and that residents can drive 10 minutes in any direction to find what they need to meet their needs. She stated that stores have no incentive to move to Ramsey if residents are willing to drive to these locations. She stated that the city needs to come up with a

different, creative approach to bring businesses into Ramsey including businesses that meet the needs of these residents.

2.03: Review Mississippi River Corridor Critical Area Ordinance Update

Deputy City Administrator Gladhill reviewed the staff report.

Councilmember Musgrove asked for more information on the definition of tall grass and vegetative removal and how residents would be made aware. She asked about the segment of Sunfish that goes on the other side of 10 and whether that would impact Highway 10 construction.

Deputy City Administrator Gladhill stated that vegetative removal is related to significant trees rather than mowing. He stated that of the complaints related to the river, the most complaints are received for tree cutting. He stated that when the district was established there was not authority to change the outside boundaries, which is how the subdistrict came forward, as separated from river. He stated that the boundary lines were created following section boundaries of the river rather than specifics in the area.

Councilmember Musgrove referenced the standards comparison within the case and asked for more clarity on the items that generally remain unchanged. She stated that when she thinks of vegetation she thinks of grasses and plants rather than trees. She stated that it would appear people on private property would follow City Code rather than the district.

Deputy City Administrator Gladhill replied that City Code administers these provisions. He explained that these rules have been provided by the State through the DNR and City Code enforces those regulations. He stated that there were questions related to vegetative removal during the rule making process and advised where additional information can be found on that aspect.

Councilmember Riley stated that he is concerned with the undeveloped properties, noting that the City should watch what is being limited for the Nathe property and the parcel closer to Sunfish Lake Boulevard.

Deputy City Administrator Gladhill replied that the Sunfish Lake Boulevard guiding would better match the Comprehensive Plan guiding and provide more flexibility. He stated that the City asked about the Nathe property and made official comment. He stated that the City comment was not accepted but there was a compromise and provided additional details. He stated that if the City wanted to be more proactive it could ask the legislature to make a change but noted that could open up more review of the corridor. He stated that the DNR would possibly be willing to provide flexibility, providing an example in the City of Champlin that was allowed by the DNR in order to allow the City's project to move forward.

Councilmember Specht stated that it sounds like this will benefit residents in some ways, like expansion on nonconforming uses but asked what some of the negatives may be.

Deputy City Administrator Gladhill recognized the need for a vegetative permit but stated that overall; the rules will be relaxed in Ramsey. He commented that staff feels the benefit will far outweigh any negatives.

Councilmember Specht asked what would happen if the City were not to adopt these changes.

Deputy City Administrator Gladhill replied that the City is required to adopt these changes, noting a deadline of 2022 for the City's update. He noted that Ramsey is advancing the process more quickly in order to assist a potential project.

Councilmember Howell asked if the permits would be a requirement of the DNR.

Deputy City Administrator Gladhill confirmed that the DNR delegated that authority to the City to issue the permits. He noted that there are minimum standards for the permit, but it would be the choice of the City as to whether to charge a fee for the permit. He stated that he is not concerned with charging a fee for the permit.

Councilmember Musgrove referenced statements within the staff report related to Park Boards for other municipalities and asked for additional explanation.

Deputy City Administrator Gladhill replied that this is a model ordinance, and it provided those examples. He noted that in this area, Anoka County would manage its regional parks areas. He noted that park agencies have no jurisdiction over private property but must comply with the rules for its own parks.

Councilmember Howell referenced the language shown in blue, which was noted as optional and asked where that came from.

Deputy City Administrator Gladhill noted that those were best practices suggested by the DNR and advised that staff did not include the optional pieces unless directed otherwise.

Councilmember Riley commented that Anoka County has a large park in this area and asked if the County provided input.

Deputy City Administrator Gladhill confirmed that Anoka County was involved in the rule making discussions and provided input similar to Ramsey. He stated that the river communities in this area worked together to express a common voice.

Deputy City Administrator Gladhill confirmed the consensus of the Council to bring the ordinance forward for its first reading on a regular Council meeting agenda.

2.02: Discussion Regarding the Planning of 2021 City Events

Communications and Events Coordinator Thorstad reviewed the staff report.

Parks and Assistant Public Works Superintendent Riverblood provided input on the concerts scheduled for the 2021 season.

Deputy City Administrator Gladhill noted that the EDA will not be holding the spring expo but will keep a potential to connect residents to businesses in the fall, pending regulations.

City Administrator Ulrich stated that both police and fire hold community open house events and other public engagement activities which are shown on the schedule and will be dependent on guidance from the Governor at that time.

Councilmember Musgrove stated that overall, she would like to see the City do as much as it can in terms of events. She hoped that the City would not have to use tickets and require residents to register for the concerts as it is open space and people could be spread out. She asked if the expo is already canceled.

Deputy City Administrator Gladhill commented with an event of that size they could not plan well enough in advance for April and therefore that has been postponed. He hoped that perhaps that could be done in October if regulations are loosened.

Councilmember Musgrove suggested possibly holding the event during the summer months.

Deputy City Administrator Gladhill stated that staff has to use the best guidance estimates and to hold an indoor event during June/July would seem optimistic. He stated that signs would point towards fall being a better opportunity but noted that staff will review the options when it is closer to the time needed for planning.

Councilmember Howell asked if it would be within the purview of the Mayor and the City Administrator to make a decision to drastically change or modify events without input from the Council.

Mayor Kuzma commented that any change would come before the Council.

Councilmember Howell asked if the Council could have input on different changes for events, such as tree lighting. She believed that tweaks should come before the Council if possible.

City Administrator Ulrich agreed that is a reasonable approach. He explained that the tree lighting was shifted on a staff level and recognized the disappointment that some members of the Council expressed. He agreed that it would make sense to bring format changes to the Council for discussion. He noted that events typically have a three-to-four-month lead time and advised that input from the Council could be incorporated into the process.

Parks and Assistant Public Works Superintendent Riverblood provided background information on the difficulties in the tree lighting event, noting a connection that was lost at Connexus as well as COVID challenges and regulations. He confirmed that options can be brought to the Council this year and better explain the known cost.

Councilmember Musgrove commented that Anoka has a large tree lighting each year and perhaps that staff could provide a connection. She noted that there is also a tree business in Ramsey that may be willing to participate.

Parks and Assistant Public Works Superintendent Riverblood confirmed that staff will gather input from those sources.

Councilmember Riley recognized that there are limits but would like to see staff find a way to say yes for events.

Councilmember Specht agreed that he would like to see as many events move forward as possible.

City Administrator Ulrich referenced the alternative events that were offered and whether the Council received input on which of those offerings were liked.

Councilmember Specht stated that his daughter liked the smaller lit tree since the large tree lighting was not possible.

Councilmember Musgrove commented that she has heard that the residents like the crafts and activities and Santa line events from 2019. She stated that young families like those events and she would like to see a way to make those happen. She stated that perhaps there is a way the City can work creatively with the schools in Ramsey.

City Administrator Ulrich stated that perhaps families could provide homemade ornaments and the City could decorate the tree with those.

Councilmember Specht referenced a private event that was City marketed, the storybook trail, which was enjoyed by many residents. He stated that it would be great to continue to look for those partnership opportunities.

Councilmember Riley commented that the EDA golf tournament was one of the first events and many residents and businesses were happy to participate in that event.

Councilmember Woestehoff agreed with those comments. He noted that the parks and rec bingo was a great offering as well. He stated that last year was a great year for golf facilities and asked if there was feedback that the course would rather be open to the public rather than holding that event.

Councilmember Riley commented that the event was shifted to Rum River Hills from Northfork because the banquet facility was not needed.

Deputy City Administrator Gladhill commented that Rum River Hills was happy to host the golf event but noted that if the banquet can be held this year the event would need to be shifted back to Northfork.

City Administrator Ulrich confirmed the consensus of the Council for staff to proceed with Happy Days to the extent possible and if certain elements cannot be held, alternatives should be explored.

Councilmember Musgrove asked that plans be flexible in a manner which could adapt if the regulations from the Governor are loosened.

Communications and Events Coordinator Thorstad stated that as related to Happy Days staff will plan for a typical event. She stated that with the unknowns from COVID regulations, they will hold off on signing contracts and ensure that there is a clause that protects the City if regulations prohibit the event.

3. OTHER

Councilmember Musgrove stated that cases are well put together with the Council developing their questions off that information. She asked if it is necessary for staff to summarize the information in the case during the meeting as it takes away from the time for discussion. She stated that would allow the Council to move through topics more quickly and hold fewer special meetings. She clarified that this suggestion would only apply to worksessions.

Councilmember Specht commented that there are times when things are being discussed multiple times when the background is perhaps redundant or drawn out. He stated that perhaps there is a goal for length of staff presentations.

City Administrator Ulrich stated that staff could assume that the Council has read the entire case. He noted that while that works in a worksession presentation, staff would like to provide some background for the public that may be watching.

Councilmember Howell agreed that perhaps staff presentations could be shortened in order to allow for additional Council discussion.

Councilmember Woestehoff agreed. He noted that he attempts to provide his questions to staff ahead of time so that answers can be prepared by staff prior to the meeting. He noted that as liaisons or members of other groups, Councilmembers often hear the same presentation multiple times.

It was confirmed that this would apply to worksessions.

4. ADJOURNMENT

The Work Session of the City Council was adjourned at 7:58 p.m.

Respectfully submitted,

_____

Kurtis G. Ulrich

DRAFT

City Administrator

ATTEST:

_____
Katie M. Schmidt
Deputy City Clerk

Drafted by Amanda Staple
TimeSaver Off Site Secretarial, Inc.

DRAFT

CC Regular Session **7. 4.**

Meeting Date: 03/09/2021

Submitted For: Bruce Westby, Engineering/Public Works

By: Joe Feriancek, Engineering/Public Works

Information

Title:

Adopt Resolution #21-056 Accepting Bids and Awarding Contract for 2021 Crack Seal Improvements, Improvement Project #21-06

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #21-056 accepting bids and awarding a construction contract for 2021 Crack Seal Improvements, Improvement Project #21-06.

Background:

Crack seal improvements are completed annually on between 13 and 23 miles of public street segments to cost-effectively maximize the life of the bituminous pavement. Crack sealing protects pavement by preventing stormwater runoff from seeping through cracks in the pavement and joints between the pavement and concrete curb and gutter and utility casting, reducing future pavement damage due to wet subgrade soils, especially during freeze-thaw cycles.

The City's current pavement maintenance schedule calls for public streets to be crack sealed the third, seventh, and fourteenth year following construction, reconstruction, and overlay improvements. However, while this is the typical maintenance schedule it is important to note that Staff reviews the condition of all streets annually and adjusts the schedule of maintenance operations based on actual pavement conditions.

A total of 20.88 miles of public street segments are proposed to receive crack seal improvements in 2021. These street segments were selected based on age, pavement maintenance history, and Pavement and Surface Evaluation Rating (PASER) values. Crack seal improvements are typically performed on a pavement section with PASER values of 7 or higher. Staff also attempts to select street segments that are in relatively close proximity to each other in an attempt to receive lower bid prices for mobilization and traffic control bid items.

Plans and specifications for the 2021 Crack Seal Improvements were prepared in-house as part of Staff's normal duties. A copy of the plans are attached to this case.

Work is anticipated to occur between mid-June and mid-August. The work generally takes two to three weeks to complete after the Contractor commits crews to the project. Staff is maintaining a project webpage, and updates it as new information is available. Letters will not be mailed to notify the public of the 2021 Crack Seal Improvements since the work occurs quickly and has little to no impact on the traveling public or abutting properties.

Notification:

Bids were advertised in the Anoka Union Herald and in Finance and Commerce on January 29, 2021 and February 5, 2021.

Observations/Alternatives:

Observations:
Bids were solicited accepted and managed on-line via the City's website using QuestCDN. This allows contractors to submit bids, and for the City to receive and accept bids without the need for in-person interaction.

On March 2, 2021, seven (7) bids were received and publicly opened. All bids complied with the advertisement for bids. The four lowest bids were generally competitive and came in below the engineer's estimate. A summary of the seven bids received is below and in the attached resolution.

CONTRACTOR	**TOTAL BID**
Northwest Asphalt & Maintenance	$110,428.07
MP Asphalt Maintenance	$125,661.74
KAMCO Inc.	$126,728.67
Allied Blacktop Company	$159,505.83
American Pavement Solutions Inc.	$174,638.18
Fahrner Asphalt Sealers, LLC	$181,249.22
Asphalt Surface Technologies Corp.	$196,708.24
Engineer's Estimate	*$165,090.74*

Northwest Asphalt & Maintenance submitted the lowest responsible bid of $ 110,428.07 in accordance with the approved plans and specifications and advertisement for bids, which is $54,662.67 (33%) less than the engineer's estimate of $ 165,090.74.

In 2021, the City of Ramsey budgeted $200,000 for crack seal improvements. With 14% indirect costs for administration, engineering, legal and financing, the project cost per the bid is $125,888.00. Staff has reviewed the City's street database, and no other streets require crack sealing in 2021. In an attempt to spend all of the $200,000 budgeted for crack seal improvements on pavement maintenance improvements, engineering and public works staff will review our maintenance needs, including a potential pavement rejuvenation project, for the remaining $74,000. Staff will present a recommended plan to the Public Works Committee during their March or April regular meeting.

Alternatives:
Alternative #1 – Motion to adopt Resolution #21-056 accepting bids and awarding a contract for 2021 Crack Seal Improvements, Improvement Project #21-06 to Northwest Asphalt & Maintenance in the amount of $110,428.07.

Alternative #2 – Motion to deny adoption of Resolution #21-056 at this time.

Funding Source:
This work will be funded entirely from the $200,000 that was budgeted for annual crack seal improvements in 2021.

Recommendation:
Staff recommends Alternative #1.

Action:
Adopt Resolution #21-056 accepting bids and awarding a contract for 2021 Crack Seal Improvements, Improvement Project #21-06.

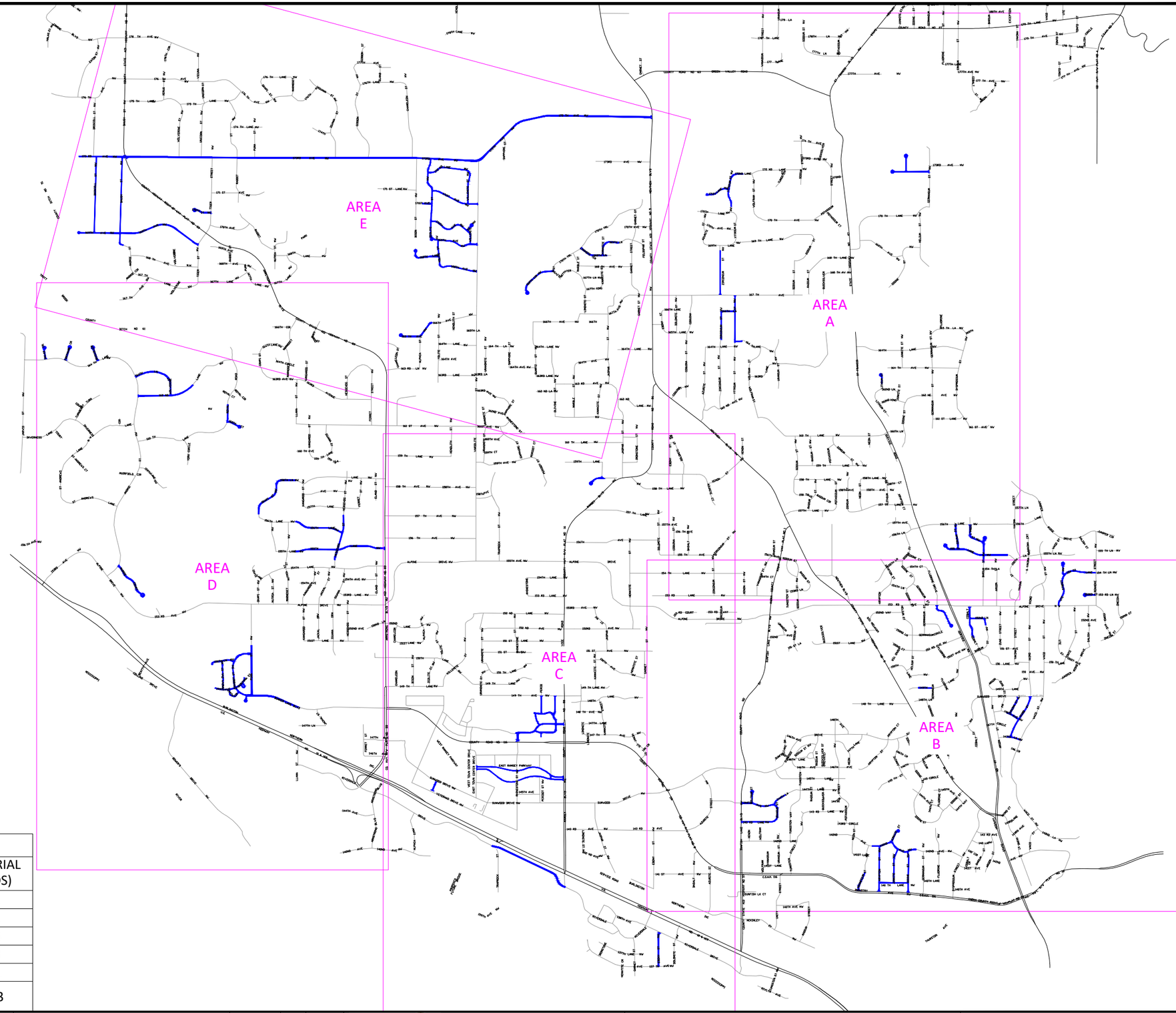
Attachments

21-06 Final Plans
Res#21-056

Form Review

Inbox **Reviewed By** **Date**

Bruce Westby	Bruce Westby	03/04/2021 09:43 AM
Kurt Ulrich	Kurt Ulrich	03/04/2021 10:50 AM
Form Started By: Joe Feriancek		Started On: 02/25/2021 04:01 PM
Final Approval Date: 03/04/2021		



2021 CRACK SEAL SUMMARY

PROJECT AREA	LENGTH (MILES)	CS MATERIAL (POUNDS)
A	2.29	14381
B	3.45	18921
C	2.76	20418
D	4.23	17353
E	8.15	35421
PROJECT TOTAL	20.88	106493

DATE	REVISION

Jan 29, 2021 - 8:08am
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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 --- Lic. No. ---

DESIGNED BY:	---	
DRAWN BY:	---	DATE: 1/29/21
CHECKED BY:	---	FILE: (21-06)

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

OVERALL MAP

2021 CRACK SEAL IMPROVEMENTS
CITY PROJECT NO. 21-06
CITY OF RAMSEY, MINNESOTA

SHEET 1 OF 6 SHEETS

AREA A

SUBDIVISION	LENGTH (MILES)	CS MATERIAL (POUNDS)
COVENANT MEADOWS	0.31	933
ESTATES OF SILVER OAKS 2ND	0.06	366
SECTION 10 UNPLATTED	0.72	3005
SECTION 15 UNPLATTED	0.04	263
TROTT BROOK ESATES	0.38	1755
WOODLAND GREEN	0.78	8059
MAP AREA A TOTAL	2.18	14381

0 1/10 2/10 3/10
SCALE (MILE)

DATE	REVISION

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 ---- Lic. No. ----

DESIGNED BY:	---		
DRAWN BY:	---	DATE:	1/29/21
CHECKED BY:	---	FILE:	(21-06)

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

AREA A

2021 CRACK SEAL IMPROVEMENTS
CITY PROJECT NO. 21-06
CITY OF RAMSEY, MINNESOTA

SHEET 2 OF 6 SHEETS

Jan 29, 2021 - 8:13am
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SCALE (MILE)

AREA B		
SUBDIVISION	LENGTH (MILES)	CS MATERIAL (POUNDS)
ALPINE MEADOWS	0.15	1358
BONA ADDITION	0.08	807
HUNTERS HILL	0.63	3044
ORCHARD HILLS TOWNHOMES	0.29	2883
RAMSEY TERRACE	1.18	5580
RIVERS BEND	0.51	2304
SECTION 26 UNPLATTED	0.11	287
STANHOPE TERRACE	0.51	2658
AREA B TOTAL	3.45	18921

DATE	REVISION

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Joe Feriancek

Date --- Lic. No. ---

DESIGNED BY:	---	
DRAWN BY:	---	DATE: 1/29/21
CHECKED BY:	---	FILE: (21-06)

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

AREA B

2021 CRACK SEAL IMPROVEMENTS
CITY PROJECT NO. 21-06
CITY OF RAMSEY, MINNESOTA

SHEET 3 OF 6 SHEETS

Jan 29, 2021 - 8:16am
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SCALE (MILE)

N

AREA C

SUBDIVISION	LENGTH (MILES)	CS MATERIAL (POUNDS)
COR ONE	0.05	301
MSA - RIVERDALE DRIVE	0.48	2859
RAMSEY TOWN CENTER	1.00	5140
RIVERSIDE WEST	0.19	1619
TOWN CENTER GARDENS	0.51	5490
TOWN CENTER GARDENS 2ND	0.12	1304
TOWN CENTER GARDENS 3RD	0.32	2863
WHITE OAK ADDITION	0.09	841
AREA C TOTAL	2.76	20418

DATE	REVISION

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 ---- Lic. No. ----

DESIGNED BY:	---		
DRAWN BY:	---	DATE:	1/29/21
CHECKED BY:	---	FILE:	(21-06)

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

AREA C

2021 CRACK SEAL IMPROVEMENTS
CITY PROJECT NO. 21-06
CITY OF RAMSEY, MINNESOTA

SHEET 4 OF 6 SHEETS

Jan 29, 2021 - 8:18am
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AREA D

SUBDIVISIONS	LENGTH (MILES)	CS MATERIAL (POUNDS)
MSA - BUNKER & PUMA	0.56	3800
NORTHFORK	0.35	1823
NORTHFORK ITASCA SHORES	0.23	667
NORTHFORK OAKS	0.18	540
NORTHFORK THIRD	0.52	1398
RIVERSTONE	0.69	3469
RIVERSTONE 2ND	0.33	1580
THE NORTH FORTY 2ND	0.33	883
THE NORTH FORTY 3RD	1.03	3191
AREA D TOTAL	4.23	17353

0 1/10 2/10 3/10
SCALE (MILE)

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NORTHFORK
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SHORES
ADD
NORTHFORK LINKS 3RD ADD
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TURNBERRY TURN
NORTHFORK HIGHLANDS
R.L.S. NO. 165
NORTHFORK LINKS 2ND ADD
NORTHFORK LAKE CIR
NORTHFORK FOURTH
NORTHFORK THIRD
NORTHFORK PARK ADD
NORTHFORK POINT
NORTHFORK OAKS 4TH ADD
NORTHFORK TRAIL ADD
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YORK CIRCLE
SECOND ADD.
POINT ADD.
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AREA E

SUBDIVISIONS	LENGTH (MILES)	CS MATERIAL (POUNDS)
BROOKFIELD 4TH	0.30	1509
BROOKFIELD 8TH	0.23	1452
GOLDEN EAGLE ESTATES	2.18	7674
MSA - 173RD AVENUE	3.04	14468
RUM RIVER PRAIRIE	0.58	1533
SECTION 06 UNPLATTED	0.26	1197
SECTION 07 UNPLATTED	1.17	5394
TROTT BROOK RIDGE	0.39	2194
AREA E TOTAL	8.15	35421

0 1/10 2/10 3/10
SCALE (MILE)

N

COUNTY HIGHWAY RIGHT OF WAY PLAT NO 33

COUNTY STATE AID HIGHWAY NO 83

COUNTY DITCH NO 61

DATE	REVISION

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 ---- Lic. No. ----

DESIGNED BY:	---	
DRAWN BY:	---	DATE: 1/29/21
CHECKED BY:	---	FILE: 21-06

Jan 29, 2021 - 8:26am
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City of RAMSEY

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

AREA E

2021 CRACK SEAL IMPROVEMENTS
CITY PROJECT NO. 21-06
CITY OF RAMSEY, MINNESOTA

SHEET 6 OF 6 SHEETS

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

RESOLUTION #21-056

RESOLUTION ACCEPTING BIDS AND AWARDING CONTRACT FOR PROJECT 2021 CRACK SEAL IMPROVEMENTS, IMPROVEMENT PROJECT #21-06

WHEREAS, the City of Ramsey can most cost-effectively maximize the life of the bituminous pavement on public streets by sealing cracks on an annual basis; and

WHEREAS, the City of Ramsey adopted a budget for 2021 including $200,000 to crack seal the bituminous pavement on numerous public street segments in support of the City's Pavement Management Program; and

WHEREAS, pursuant to adoption of Resolution #21-023 on January 26, 2021, the City Council approved final plans and specifications as prepared by the City Engineer and authorized advertisements for bids said improvements; and

WHEREAS, bids were advertised in the Anoka Union Herald, Finance and Commerce on January 29, and February 5th, 2021; and

WHEREAS, seven (7) bids were received, opened, and tabulated on March 2, 2021, and the following bids were found to comply with the approved plans and specifications and advertisements for bids, and

CONTRACTOR	**TOTAL BID**
Northwest Asphalt & Maintenance	$110,428.07
MP Asphalt Maintenance	$125,661.74
KAMCO Inc.	$126,728.67
Allied Blacktop Company	$159,505.83
American Pavement Solutions Inc.	$174,638.18
Fahrner Asphalt Sealers, LLC	$181,249.22
Asphalt Surface Technologies Corp.	$196,708.24

WHEREAS, the bid of Northwest Asphalt & Maintenance of Thief River Falls, Minnesota, in the amount of $110,428.07 for the total bid for construction of the improvements in accordance with the approved plans and specifications and advertisement for bids, is the lowest responsible bidder and their bid 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 enter into a contract with said bidder for the construction of said improvements for and on behalf of the City of

Ramsey.

2) The City Administrator is hereby authorized and directed to return forthwith to all bidders the bid bonds made with their bids at such time that a contract has been executed.

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 9th day of March, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session **7. 5.**

Meeting Date: 03/09/2021

By: Bruce Westby, Engineering/Public Works

Information

Title:

Adopt Resolution #21-061 Ordering Plans and Specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements

Purpose/Background:

Purpose:

The purpose of this case is to adopt Resolution #21-061 ordering plans and specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

Background:

Attached is a copy of the final Feasibility Study prepared by SEH, Inc. for the proposed Water Treatment Plant. The study, dated March 4, 2021, contains a wealth of information and provides findings and recommendations on the City's water supply source, water quality and quantity, water supply system infrastructure, water treatment process options and recommendations, water treatment plant site evaluations, estimated construction costs, funding sources, effect on water rates, and project schedule. This Feasibility Study will be presented and discussed during a City Council work session in the near future.

The City of Ramsey utilizes groundwater from the Tunnel City-Wonewoc (TCW) aquifer, formerly known as the Franconia-Ironton-Galesville (FIG) aquifer, as its exclusive source of drinking water. A total of eight municipal water supply wells exist, with seven being available to supply water to the City's municipal water users. Water test results from the municipal wells show that concentrations of manganese range from 0.02 mg/L to 0.37 mg/L. The Minnesota Department of Health (MDH) recently established Health Based Values (HBV) for manganese of 0.100 mg/L for bottle-fed infants, and 0.300 mg/L for everyone else. Four of Ramsey's eight water supply wells exceed the MDH HBV for manganese.

In 2019, MDH recommended that the City 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. The long term solution requires construction of a water treatment plant to remove manganese from the municipal water supply system.

To properly plan for long-term solutions to reduce manganese and iron concentrations in the municipal water supply system, to properly treat any other emerging contaminants, and to ensure the existing aquifer used as the City's sole groundwater source has adequate capacity to meet the future needs of the City, Staff solicited proposals from qualified consultants to provide professional engineering services under the following three general areas.

1. ***Analyze Source Water.*** Analyze and report on the overall accessibility, capacity, chemistry and limitations of the Tunnel City/Wonewoc (TCW) aquifer, the existing source water for the City of Ramsey's municipal groundwater supply system, and on the long-term viability of continuing to use the TCW aquifer as the sole source of water for the municipal water supply system. This will allow the selected consultant to adequately prepare a preliminary design report by understanding the chemistry of the municipal groundwater supply system and therefore which primary, secondary and/or emerging contaminants will need to be treated over the anticipated life of the facility. This work will also allow the selected consultant to provide recommendations on the need for and use of alternative sources of water.

1. ***Develop Water Model.*** Develop a model of the City of Ramsey's municipal water supply system using an industry standard software program. This model will allow the selected consultant to adequately prepare a preliminary design report, and will allow the City to evaluate future operations throughout the system by considering variable flow regimes when water is drawn from different wells and storage tanks at different times, variable water usage patterns by municipal water consumers, and proposed system expansions.

1. ***Prepare Preliminary Design Report.*** Prepare a preliminary design report exploring available options and recommending preferred processes for treating known and emerging contaminants that will potentially need to be treated over the anticipated life of a centralized water treatment facility in the City of Ramsey. The report must examine available treatment process options for identified contaminants potentially needing treatment, recommend a preferred treatment process for each identified contaminant, identify required space needs for preferred treatment processes, identify anticipated expansion needs, provide a recommendation as to the required size and preferred location for the facility, and provide cost estimates for constructing and operating the facility over its anticipated life.

On October 8, 2019, the Ramsey City Council adopted Resolution #19-248 awarding a contract to SEH Inc. to complete the tasks identified above. SEH, Inc. has since completed a Feasibility Study addressing the three general areas outlined above. The findings of the study are generally as follows.

- The TCW aquifer will 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 the City's 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 ultimately 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 is recommended since it requires the least overall construction costs and offers the greatest operational efficiencies. In addition, in January of 2021 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.
- Two treatment process alternatives were evaluated including gravity filtration and pressure filtration. Gravity filtration is recommended due to life cycle cost savings, ease of operation and maintenance, and increased flexibility for adding processes.

<u>Next Steps</u>
The City has been able to continue to supply its municipal water users with safe potable water without interruption by running the three municipal wells with the lowest manganese concentrations continually for almost 2 years now, which has and will continue to cause the existing water supply system infrastructure to wear out faster than normal.

The City has been utilizing Wells #5, #6 and #7 since April of 2019. Since such time, we have been running these three wells almost non-stop, which is very hard on moving parts such as meters, motors and pumps. Last fall the City had to repair Well #7, during which time it was out of service. Then early this winter the same repairs were needed to Well #6, requiring this well to be shut down for a month while it was repaired. Luckily, these repairs were not needed during our peak water use time during the summer months when people area watering lawns, filling swimming pools, washing their cars, etc.

The City also recently had to replace the water meter at Well #6, and have had ongoing issues with Well #7's water meter. A cooling unit also failed recently in the service cabinet for Well #6, which can cause the well to overheat and shut down. Staff believes the constant use of these wells contributed in large part to the required repairs. We have been lucky so far that the repairs were not needed during peak water use times. If one of the wells would need to be repaired during a peak water use time we would need to rely on another well with higher manganese concentrations, which would increase manganese concentrations throughout the system. Staff therefore recommends moving forward with implementation of the water treatment plant project as soon as possible.

In addition, Anoka County plans to construct interim improvements to Bunker Lake Boulevard between Armstrong Boulevard and Sunfish Lake Boulevard starting on or after September 7, 2021. This corridor of Bunker Lake Boulevard is proposed to receive significant trunk watermain improvements needed to serve the proposed water treatment plant with raw water from the six municipal wells in The COR, and to deliver treated water to the distribution system. In order to allow the trunk watermain improvements to be constructed along Bunker Lake Boulevard in advance of Anoka County's interim Bunker Lake Boulevard improvements, which will save significant project costs, the City must begin designing and preparing plans for the trunk watermain improvements as soon as possible. If the City's watermain contractor and the County's highway contractor wanted to complete work in the same area, the City's contractor would receive a lower priority and could face work delays, which could cost the City many thousands of dollars per day.

Direct Selection of SEH, Inc.

In order to meet these timelines, Staff recommends direct selecting SEH Inc. to prepare final plans and specifications for the required trunk watermain improvements and provide project bidding services. Upon acceptance of bids and award of a contract, Staff would then recommend direct selecting SEH Inc. to provide construction services. See the attached proposal for more details on work tasks, staffing, estimated hours and costs, and project schedule. Any time a consultant prepares project plans and specifications, Staff recommends using that consultant for construction services because they will be the most efficient at translating information from the plans to the field, especially as related to staking construction and applying specifications in the field.

Staff understands Council generally prefers to solicit requests for proposals from multiple vendors, especially for larger projects such as this. However, Staff believes it is in the City's best interest to direct select SEH, Inc. to prepare plans and specifications, to assist in bidding the plans, and to provide construction services as outlined in the attached proposal to ensure the watermain improvements can be constructed in advance of the Anoka County improvements along Bunker Lake Boulevard.

SEH's proposed design services fee is $235,895, which equates to 6.89-percent of the estimated trunk watermain improvements construction cost of $3,424,750. Considering the scope and complexity of the trunk watermain improvements proposed with this project, Staff would anticipate receiving design services proposal fees in the range of 7 to 12-percent. The proposed design services fee is therefore reasonable and Staff would not anticipate receiving other proposals with significantly smaller fees, if at all.

SEH's proposed construction services fee is $144,947, which equates to 4.23-percent of the estimated construction cost. Again, considering the scope and complexity of the trunk watermain improvements proposed with this project, Staff would typically anticipate receiving construction services proposal fees in the range of 6 to 11-percent. The proposed construction services fee therefore seems very reasonable and Staff would not anticipate receiving a proposal other proposals with significantly smaller fees.

Staff will highlight and summarize this information during their presentation to Council.

Notification:

Notifications are not required for this item.

Observations/Alternatives:

Observations:

Per the preliminary project schedule in the attached proposal, if Council orders plans and specifications on March 9th, Staff anticipates requesting approval of plans and specifications and authorization to advertise for bids on June 29, 2021.

Alternatives:

Alternative #1 – Motion to adopt Resolution #21-061 Ordering Plans and Specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

Alternative #2 – Motion of other.

Funding Source:

Funding for this project is proposed to come from water enterprise funds. For almost two decades, municipal water users have been contributing to a future water treatment plant, which includes off-site trunk watermain improvements required to provide the plant with raw water, and to transport treated (finished) water out to the distribution mains.

Recommendation:

Staff recommends approving alternative #1 for reasons noted herein.

Action:

Motion to adopt Resolution #21-061 Ordering Plans and Specifications for Improvement Project #21-08, Water Treatment Plant Trunk Watermain Improvements.

Attachments

Resolution 21-061

SEH Design Construction Proposal

SEH Feasibility Study

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/04/2021 04:12 PM
Form Started By: Bruce Westby		Started On: 03/01/2021 10:34 AM
Final Approval Date: 03/04/2021		

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

RESOLUTION #21-061

RESOLUTION ORDERING PLANS AND SPECIFICATIONS FOR IMPROVEMENT PROJECT #21-08, WATER TREATMENT PLANT TRUNK WATERMAIN IMPROVEMENTS

WHEREAS, pursuant to Ramsey City Council Resolution #19-248 adopted October 8, 2019, five (5) proposals were accepted and a professional services contract was awarded to SEH, Inc. for the purpose of analyzing the City's municipal water supply system source water, developing a water system model, and preparing a preliminary design report for a centralized water treatment plant to ensure that the City's municipal water supply system will continue to provide adequate quantities of safe drinking water into the foreseeable future; and

WHEREAS, SEH, Inc. has completed the tasks required by the contract such that all required off-site trunk watermain improvements needed to serve the proposed water treatment plant have been identified well enough to complete preliminary and final design efforts; and

WHEREAS, to ensure that the required off-site trunk watermain improvements can be constructed as cost-effectively as possible the City must complete construction of the trunk watermain improvements along Bunker Lake Boulevard before Anoka County begins construction of their proposed Bunker Lake Boulevard interim improvements project on or after September 7, 2021; and

WHEREAS, at the request of City Staff, SEH, Inc. submitted a proposal for design and construction services to allow the necessary trunk watermain improvements to be designed, bid, and constructed in 2021; and

WHEREAS, funds required to pay for the trunk watermain improvements have been collected from municipal water supply users and are available to fund the improvements in 2021; and

WHEREAS, City Staff recommends accepting the professional services proposal from SEH, Inc. based on the value the City will receive by completing construction of the trunk watermain improvements along Bunker Lake Boulevard before Anoka County begins construction of their proposed Bunker Lake Boulevard interim improvements project.

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 enter into a contract with SEH for said professional services for and on behalf of the City of Ramsey.

The motion of 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 9th day of March, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

Supplemental Letter Agreement

In accordance with the Master Agreement for Professional Services between City of Ramsey ("Client"), and Short Elliott Hendrickson Inc. ("Consultant"), effective October 31, 2019, this Supplemental Letter Agreement dated March 2, 2021 authorizes and describes the scope, schedule, and payment conditions for Consultant's work on the Project described as: Engineering services for the design and construction administration of the Central WTP Water Systems Connection project.

Client's Authorized Representative: Bruce Westby, PE
Address: 7550 Sunwood Drive NW
Ramsey, MN 55303
Telephone: 763.433.9825 **email:** bwestby@cityoframsey.com

Project Manager: Justin Bergerson, PE
Address: 3535 Vadnais Center Drive
St. Paul, MN 55110
Telephone: 651.490.2097 **email:** jbergerson@sehinc.com

Scope: The Basic Services to be provided by Consultant:

Refer to SEH proposal dated March 2, 2021 included as Exhibit A.

Schedule: Refer to SEH proposal dated March 2, 2021 included as Exhibit A.

Payment: The estimated fee for design and bidding services is subject to a not-to-exceed amount of $235,895 including expenses and equipment.

The fee for construction services is hourly estimated to be $144,947 including expenses and equipment

The payment method, basis, frequency, and other special conditions are set forth in attached Exhibit A-1. Additional work, if required, shall be compensated in accordance with the rate schedule attached hereto as Attachment A-1.

Resident Project Representative Services
RPR services will be provided in accordance with attached Exhibit B.

Other Terms and Conditions: Other or additional terms contrary to the Master Agreement for Professional Services that apply solely to this project as specifically agreed to by signature of the Parties and set forth herein: None

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Short Elliott Hendrickson Inc.	**City of Ramsey**
By: 	By:
Miles B. Jensen	
Title: Principal-In-Charge	Title:

EXHIBIT A

Building a Better World for All of Us®

March 2, 2021

RE: Proposal for Professional Design Services
Central WTP Water Systems Connection
SEH No. RAMSY P-159310 14.00

Mr. Bruce Westby
City Engineer
City of Ramsey
7550 Sunwood Drive NW
Ramsey, MN 55303

Dear Mr. Westby:

The City of Ramsey is seeking a consultant to provide engineering services for the construction of the water distribution system to connect the future Central Water Treatment plant and existing municipal wells. This project will result in critical improvements to the existing water infrastructure to serve increasing water demand and the need for water treatment. Our team has identified the following aspects of the project that will be key to its success:

- Coordination with the Anoka County public works Bunker Lake Boulevard NW Improvement project.
- An early assessment of right-of-way and easement acquisition if necessary and private utility impacts to avoid project delays
- Providing clear project management to meet deadlines and scheduling of the work to happen for 2021 construction.
- Minimizing disturbed areas by utilizing methods of trenchless utility installation where feasible.

Short Elliott Hendrickson Inc. (SEH®) has intentionally formed our team to provide the right experience and technical knowledge to address these critical success factors and make this water systems connection project a success. This proposal is based on conversations with City staff, a project drive through and our knowledge of similar projects. We are confident the team and approach outlined here will lead to smooth project delivery.

PROJECT UNDERSTANDING

The City of Ramsey is proactively planning to build a new water treatment plant to serve the community with clean drinking water. The construction of the new plant requires additions to the existing water systems to route raw water from the City's existing and future wells for treatment.

There are many technical and procedural challenges associated with this project that will need to be addressed:

- Providing timely coordination and meeting design standards required to obtain necessary permits
- Communicating with adjacent property owners and Anoka County
- Working within the limited Anoka County right-of-way limiting impacts to the roadway on Bunker Lake Boulevard NW (CSAH 116)
- Coordinating necessary project right-of-way acquisition, temporary easements and/or right of entry
- Identifying, evaluating, and determining solutions for trenchless utility design based on Geotechnical findings
- Coordinating with utility companies to identify potential conflicts and resolutions

EXHIBIT A

On the west end of the project, we propose to extend a 16” water main to the west side of Armstrong Boulevard (CSAH 83). This raw water main extension will put in place infrastructure to allow for easy connections of future City wells to serve the new water treatment plant. The available right-of-way outside of the roadway is limited in this area and may require easement acquisition or impacts to the roadway.

Existing water main, storm sewer and other utilities located in the north and south boulevards along Bunker Lake Boulevard NW will need to be designed around or relocated for the water main construction. It is crucial to have accurate locations and mapping of the existing water main and utility locations.

At the intersection of Ramsey Boulevard (CSAH 56) and Bunker Lake Boulevard NW (CSAH 116) existing electric transformer boxes, traffic signal control cabinets, hydrants and other utilities will need to be designed around or relocated for the water main construction. In addition, the existing right-of-way narrows east of the intersection narrowing the boulevard area from the existing back of curb to the right-of-way.

On the east end of the project near Cottonwood park, preliminary investigation of the National Wetland Index (NWI) revealed the presence of wetlands in close proximity to the proposed water main alignment. It is anticipated the impacts will be minor but due diligence is required through wetland delineation to establish boundaries in the field.

This full design must incorporate AWWA standards, CEAM design standards and City of Ramsey standards.

PROJECT APPROACH

Task 1: Data Collection & Preliminary Design

Topographic Survey & Soil Borings

A survey will be performed in the project area to establish a base map file for understanding the existing conditions in the field. This work will be performed following an approved alignment for the proposed water main to gather topographic data along the proposed route. The schedule is dependent upon accurate surveys as soon as reduced snow cover permits.

A good foundation is key to every successful project. Ron Farmer will lead the team in obtaining the needed geotechnical information for the project. He will develop site stratigraphy and soil parameters, evaluate fill areas and soil corrections, evaluate utility bedding, and prepare the geotechnical report. Ron and his team will also assist in plan and specification creation and cost estimation. SEH will contract directly with a geotechnical testing firm for obtaining soil borings on the project. We have included an allowance of $28,500 for hiring a subcontractor to perform the soil borings. Given the many unknown variables involved with the presence of existing utilities in the boulevard area along the anticipated water main alignment, the drilling may need to occur in the roadway during off-peak traffic hours. Sufficient geotechnical investigation is crucial to the design elements of trenchless installation and the structural support of the proposed infrastructure.

Utility Coordination

A design can only be as good as the information that you have to work off. With that in mind, Justin Bergerson and his team will coordinate with Gopher State One Call for locating of existing utilities and coordinate with the surveyors to locate all marked locations with a topographic survey of the proposed project area. The team will also use their expertise to lay out the right-of-way boundary and adjacent properties for the project area. This information will be essential for creating an accurate base map file and Digital Terrain Model.

Early identification of potential conflicts or utility improvement needs and ongoing coordination with the public and private utility companies are key components for a smooth-running project. The SEH team proposes to meet with the utility companies at the start of the project (after the topographic survey and existing water main locating performed by the City of Ramsey but prior to preliminary design). This is proposed for two purposes: to inform the utilities of the proposed project and to gather the most accurate information from them about the existing utilities, and to verify all utilities captured by our topographic survey. We also propose to hold a second meeting once the final layout has been chosen to discuss any conflicts and coordinate potential

EXHIBIT A

relocations. Additional time for coordination has been included in the proposal for potential coordination with affected utilities.

Environmental Impacts

It is anticipated that wetland impacts will occur, and that permission to impact those wetlands will be required. Permits will be required under the Wetland Conservation Act (WCA) and for Section 404 of the Clean Water Act. The extent of permitting needed is dependent on the quantity of wetland impacts, but the preliminary discussions indicate that impacts will be minor. It is assumed that impacts will require wetland mitigation.

To calculate wetland impacts and mitigation needs, SEH wetland scientists, led by Rebecca Beduhn, will conduct an on-site investigation of wetland boundaries and habitat. It is assumed that the wetlands within the project area are under the jurisdiction of City of Ramsey, Anoka County Soil and Water Conservation District, and the United States Army Corps of Engineers (USACE).

Wetland delineations will be completed in accordance with USACE Engineers 1987 Manual and the Midwest Regional Supplement. All areas meeting wetland criteria will be identified and flagged in the field. Wetland boundaries will be mapped using a sub-meter accurate Global Positioning System. The location of the wetlands will be provided in electronic format for inclusion in project plans.

SEH will prepare a wetland delineation report for review by the WCA LGU (City of Ramsey) and US Army Corps of Engineers for their review and approval. SEH will facilitate any review of the wetland boundaries.

After completion of the wetland delineation, SEH will assist the project proposers with determining the project purpose and need and with the sequencing process for the permitting process. Sequencing is the requirement to identify opportunities to reduce impacts through alternatives analysis, avoidance, and minimization. Once these exercises have been completed, a Wetland Permit Application will be prepared. This application will identify the project, define the purpose and need, summarize sequencing and provide a wetland replacement plan. Signatures will be required from the project proposer responsible for compliance with the permit conditions. SEH will act as agent to allow representation in the process.

Preliminary Water Main Design & Value Engineering

It is important to note that the design of the water main is greatly dependent on existing utility locations and available right-of-way and/or easements. Our team will identify a design approach that best serves the City and its relations with Anoka County Highway Department. The design of the water main is anticipated to be a combination of open-cut installation and trenchless installation to limit impacts to Bunker Lake Boulevard and existing in-place utilities. Our team will analyze the costs of such proposed installations to determine which methods are the best economical and practical approach.

Task 2: Final Design & Bid Documents

Final Design

After the preliminary layout of the proposed water main is complete, Justin will lead the team into final design of the proposed improvements to meet the deadline of bidding this project in July 2021. The chosen installation approach of the water main will be designed to meet the AWWA, MDH and City of Ramsey standards. This will include design of impacted infrastructure such as trails, pedestrian ramps, driveways, storm sewer, sanitary sewer, curbing and miscellaneous restoration items.

Bidding Documents & Bidding

SEH will prepare the project specifications and bidding package, and the project can be advertised once City Council approval of the plans has been completed. SEH's project manager and technical experts will be available throughout the bidding process for questions. We will attend the bid opening and analyze the bids in order to give a contract award recommendation to the City.

SEH will provide all project base files to the City in AutoCAD Civil 3D as well as all digital plan sheets.

EXHIBIT A

Task 3: Construction Services

Construction Observation & Documentation

Ensuring the valuable new asset of the City of Ramsey is installed to City expectations industry standards outlined in the project documents, our experienced team and resident project representative (RPR) will administer and observe the construction of this project. Our team members are experienced with complex trenchless installations and similar utility construction projects. Proper planning and communication in the field leads to a successful construction project.

Construction Staking

Our local survey team will assist in providing accurate staking locations utility improvements for the contractor to build the proposed design. SEH will also assist in documenting locations of critical new infrastructure and providing accurate record drawings.

Value Added Services

The SEH team has additional services that could be utilized for this project. Some of these services include retaining wall design, water quality basin design, stormwater permitting, lighting design, MnDNR utility crossing licensing, MnDNR public waters work permitting and easement acquisition. If these services are needed, there is value added to the City of Ramsey as our team will already be knowledgeable in the project and can incorporate these services at a reasonable cost.

PROJECT TEAM

We have selected our team members to successfully deliver this critical project with you. This includes a project manager who has experience guiding utility projects through the required tasks and deadlines. Our team also includes technical personnel for specific issues such as trenchless utility design, private utility coordination and geotechnical investigation. We have provided information about our key team members and their experience below.



Justin Bergerson, PE – Project Manager

Justin will be the overall project manager and primary contact for the City and all project related communications. He will also lead the utility design tasks for the project. Justin will review the project schedule regularly with the team and City to ensure deadlines are understood and the progression of tasks is fully met in terms of achieving critical milestones and project expectations. He has extensive experience as a project manager in the municipal engineering field and working with City utility staff. Justin's background as a licensed Minnesota water treatment plant operator helps him connect and see the perspectives of the maintenance staff. Most recently, he has worked on similar utility projects in Lakeville and Minnetrista, Minnesota. Municipal projects in which Justin has experience from include Owasso Boulevard North (Shoreview), 2021 Pavement Management Project (Golden Valley), Old Village 5 & 6 (Lake Elmo), 2019 Pavement Management Project (Golden Valley), Well #4 WM Replacement (Lakeville), and Hunters Crest Water Tower (Minnetrista, MN).



Chad Setterholm, PE – Quality Control and Senior Civil Engineer

Chad will draw on his utility design and trenchless installation expertise to provide quality control and review of the design. He will also be available for design bidding document review. He has 25 years of experience working on a multitude of municipal engineering projects ranging from planning and feasibility to final construction and project closeout. He has extensive experience navigating projects with Federal Aid, Municipal State Aid, cooperative agreements and local funding sources, including assessments. Elements of the projects on which he has worked have included trails, roads, bridges, boardwalks and parking lots, and utility systems including stormwater detention and conveyance, sanitary sewer, water distribution and lighting. Chad brings value to this design with his experience in directional drilling and pipe jacking of utilities.

EXHIBIT A



Zach Schmitz, PE – Civil Engineer ***Zach will be the designer responsible for water main design and private utility coordination on the project.*** He has extensive experience addressing these issues on similar municipal projects and working alongside contractors during construction as a resident project representative (RPR). Zach's experience includes civil site design, street design, trail design, storm sewer design, water main distribution systems design, construction administration, and production of plans, specifications, and estimates (PS&E) for municipal reconstruct projects.



Ron Farmer, PE – Geotechnical Engineer
Ron will lead the soil borings and geotechnical tasks for the project. He has **over 42 years of extensive experience in the geotechnical, geological, and municipal engineering industries. He has lead design efforts teams in plan preparation of plan sets ranging from preliminary to final design. His geotechnical experience involves utility piping, roadway, bridge, directional drilling and retaining wall design for Local, MnDOT, State Aid and Federal projects in Minnesota. He has extensive knowledge of utility design recommendations and procedures through final design.**

He has been the lead geotechnical engineer on multiple projects involving utility design and corresponding soil corrections.



Chad Jorgenson, PE – Traffic Engineer
Chad will lead the traffic control and detour planning for this project. Chad is a senior professional engineer with practical transportation and traffic engineering experience. He will be responsible for preparing traffic control plans and detour routes as necessary for safe working conditions.



Emily Jennings, PE – Water Resources Engineer
Emily will lead the water resource and storm water pollution prevention design. Emily is a professional engineer with more than 8 years of extensive experience working with municipalities on watershed permitting, MS4 compliance and ensuring design parameters protect our waters. Her experience includes hydrologic studies, grading, drainage, floodplain management, civil site design, erosion/sediment control plan preparation, construction administration, and production of plans, specifications, and estimates (PS&E) for water quality projects.



Rebecca Beduhn – Wetlands Lead
Rebecca will be responsible for leading the wetland delineation, mitigation and permitting tasks for the project. She is a professional wetland scientist and Minnesota-certified wetland delineator with an extensive background in wetland science, wetland regulatory administration, environmental review and policy and permitting. Rebecca primarily provides wetland services such as delineations, permitting and quality assessments. She has completed delineations on over 150 projects, resulting in more than 750 basins delineated in over six states.

PROJECT SCHEDULE

The following is a short summary of the project schedule, please refer to the attached project schedule for more detail.

Project Kick-off	March 2021	
Topographic Survey & Data Collection	March/April 2021	**Snow melt dependent*
Utility Meeting #1	April 2021	
Approve Preliminary Layout	March/April 2021	
60% Plan Review	May 2021	
Utility Meeting #2	June/July 2021	
90% Plan Review	June/July 2021	
Bidding	July 2021	
Begin Construction	August 2021	
End Construction	November 2021	

*The project schedule is greatly dependent on the timing of obtaining existing utility locations in the county right-of-way, geotechnical soil borings and topographic survey.

EXHIBIT A

PROJECT FEE

The team has carefully assessed the tasks and activities associated with the City of Ramsey's proposed Water Systems project. In response, we have provided our understanding and approach and assumptions that lead us to our fee as outlined in the attached detailed task hour worksheet and summarized below:

Task	Task Description	Hours	Labor	Expenses	Task Fee
1	Data Collection & Preliminary Design	723	$ 108,093	$ 34,119	$ 142,212*
2	Final Design & Bid Documents	687	$ 93,683	-	$ 93,683**
3	Construction Services	1046	$ 139,401	$ 5,546	$ 144,947
Total				**$ 380,842**	

*Includes $28,500 allowance for geotechnical testing firm subcontractor to obtain soil borings and perform soil testing.
**Excludes any required permit fees for project approval.

We have developed our fee to capture the true cost for efforts that could be needed to successfully deliver this complex project. As we are proposing this work to be billed as a not-to-exceed format, if we can design the project and perform our proposed construction phase services within the restraints - avoiding conflicts, mitigation and with minimal right-of-way impacts - the estimated budget will not be fully utilized.

SUMMARY

Thank you for considering our proposal. My team and I are excited and ready to get to work. If you have any questions or concerns regarding this proposal, please do not hesitate to contact me at 651.490.2097 or jbergerson@sehinc.com.

Sincerely,

SHORT ELLIOTT HENDRICKSON INC.

Justin R. Bergerson, PE
Project Manager
(Lic. MN)

Miles B. Jensen, PE
Principal-In-Charge
(Lic. AZ, CO, IA, IL, IN, MD, MI, MN, ND, NE, NM, OH, SD, VA, WI)

ah
Attachment: Project Fee Spreadsheet, Project Schedule

x:\pt\r\ramsy\pursuits\000000_water main_wa_tbd\5. proposal docs\exhibit a_letter proposal for design services_3 4 2021.docx

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P- 159310

March 2, 2021

Bold = Key Dates

PROJECT SCHEDULE

Scoping Meeting Held (Completed)	Thursday, February 25, 2021	
Proposal to City for Review	Tuesday, March 2, 2021	
Notice to Proceed	**Tuesday, March 9, 2021**	

Task 1 - Data Collection & Preliminary Design

City to Provide Available Data (Record Drawings, GPS locations of WM, GIS)	Tuesday, March 9, 2021	
GSOC Private Utility Locate	Tuesday, March 9, 2021	
Coordination Meeting with Anoka County	Wednesday, March 17, 2021	
Survey Private Utility Markings	Friday, March 19, 2021	
Develop Conceptual Water Main Alignment for City Review	Friday, March 26, 2021	
Soil Borings (By Others)	April 2021	
Private Utility Coordination - Meeting #1	**Tuesday, April 6, 2021**	
Topographic survey for proposed water main alignment	Late March/ Early April	*Snow melt dependent
Begin Preliminary Design of water main	Monday, April 5, 2021	
Reduce survey data into base map (Create CAD BA file)	April	*Dependent on survey
Value Engineering - Trenchless installation methods	Thursday, April 22, 2021	
30% Review meeting with City	**Wednesday, April 28, 2021**	
Prepare geotechnical evaluation and recommendation	Friday, April 30, 2021	
Address City review comments	Monday, May 3, 2021	
60% Review meeting with City	**Thursday, May 13, 2021**	
60% Review meeting with Anoka County	**Thursday, May 13, 2021**	
Address City review comments	Tuesday, May 18, 2021	
Design/ Coordination Meeting with Anoka County	**Thursday, May 20, 2021**	

Task 2 - Final Design & Bid Documents

Private Utility Coordination - Meeting #2	**Thursday, June 3, 2021**	
90% Plan review meeting with City	**Tuesday, June 15, 2021**	
Address City review comments	Friday, June 18, 2021	
Submit permits (Anoka County and MDH for review)	**Tuesday, June 15, 2021**	
City Council to Approve Plans & Specs, Authorize Bidding	**Tuesday, June 29, 2021**	
Date to submit to Anoka County Union for publishing ad for bid	**Wednesday, June 30, 2021**	
Run notice of advertisement for bid	Friday, July 2, 2021	
Run notice of advertisement for bid	Friday, July 9, 2021	
Bid Opening	**Friday, July 23, 2021**	
Award Construction Contract	**Tuesday, July 27, 2021**	

Task 3 - Construction Services

Preconstruction Meeting	**Thursday, August 5, 2021**
Phase 1 Construction - Bunker Lake Boulevard from Armstrong to Cottonwood Park	Monday, August 9, 2021
Phase 2 Construction - Cottonwood Park to Proposed WTP & Finished Water Main	Monday, September 13, 2021
Substantial Completion	Monday, October 11, 2021
Final Completion	**Friday, November 5, 2021**

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P -159310

March 2, 2021

Prepared by: Justin R. Bergerson

Reviewed By: Todd Blank

Prepared Date: 3/2/2021

Reviewed Date: 3/1/2021

	Billing Title	CSM	PM	Senior PE	PE	Senior PE	Senior PE	Senior PE	PE	Scientist	Sr Tech	Survey Crew Chief	Admin Tech	Subconsultant & Expenses	Total
Task #1 - Data Collection & Preliminary Design															
1.1	**Data Collection**														
	Kick-off meeting with City staff to review proposed water main alignment and schedule	4	4	2	2	2									**14**
	Design / Bid standards (recent proposal form, instructions to bidders, general conditions, special conditions, standard specifications, standard plates, CAD standards)				3										**3**
	Obtain any available record drawings from Anoka County/ City and review with City staff		2		4										**6**
	Review project in the field		3		3										**6**
	Take Pre-construction photos and traverse route of water main		2		2										**4**
	Collect Data from City (CAD, GIS, Photos, Reports, etc.)		2		4						3				**9**
	Collect & Verify Data from the Anoka County Project		2		4						2				**8**
	Mileage expense for meetings and site visits													$ 537.78	
	Natural Resources														
	Wetland Delineation Field Work									16					**16**
	Wetland Delineation Report									6					**6**
	Wetland Delineation Agency Coordination									8					**8**
	Subtotal Hours	**4**	**15**	**2**	**22**	**2**				**30**	**5**			**N/A**	**80**
	Subtotal Fees	**$1,107.16**	**$2,090.43**	**$431.97**	**$2,921.60**	**$400.00**				**$3,456.00**	**$637.60**			**$537.78**	**$11,582.55**
1.2	**GSOC Coordination & Topographic Survey**														
	Utility Company Coordination														
	Conduct GSOC call prior to design survey											4			**4**
	Predesign meeting with utilities		6		6										**12**
	Request utility mapping		4												**4**
	Utility verification letters and drawings		4		12										**16**
	GSOC marking survey prior to topographic survey											16			**16**
	Topographic Survey														
	Survey Records Research											1			**1**
	Horizontal Survey Control - PLSS and/or Plat Monuments											10			**10**
	Topographic Survey											56			**56**
	Locate Soil Borings											4			**4**
	Utility Tie-ins and Locations											4			**4**
	Structure survey											16			**16**
	Mileage and Survey Equipment Expenses													$ 5,081.00	
	Subtotal Hours		**14**		**18**							**111**		**N/A**	**143**
	Subtotal Fees		**$1,951.07**		**$2,390.40**							**$13,923.84**		**$5,081.00**	**$23,346.31**

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P -159310

March 2, 2021

Prepared by: Justin R. Bergerson

Reviewed By: Todd Blank

Prepared Date: 3/2/2021

Reviewed Date: 3/1/2021

	Billing Title	CSM	PM	Senior PE	PE	Senior PE	Senior PE	Senior PE	PE	Scientist	Sr Tech	Survey Crew Chief	Admin Tech	Subconsultant & Expenses	Total
1.3	**Preliminary Design**														
	Reduce survey data into base map (Create CAD BA file)										6				**6**
	Incorporate available data info into base map (Utility Maps, Data Collection information, etc.)		4		8						4				**16**
	Develop project existing surface model										3				**3**
	Water Main Design														
	Preliminary layout of water main	2	16	2	24			6			16				**66**
	Develop suggested staging plan	4	2	2	4										**12**
	Evaluate methods of installation - open cut vs. trenchless		16	1	10			24							**51**
	Evaluate impacts to existing City and County utilities		4		6										**10**
	Create pipe profile/pressure pipe network				28						8				**36**
	Construction Limits, Removals & Restoration														
	Develop construction limits		4	2	12						4				**22**
	Evaluate impacts and removals		4		2										**6**
	Coordinate removal limits with Anoka County Project		2		2										**4**
	Observe drainage patterns				6				2						**8**
	Traffic														
	Review street closure/detour impacts						4								**4**
	Detour Plan						8								**8**
	Traffic Control Design						4								**4**
	Cost Estimating														
	30% Cost Estimate (preliminary form)		12		4										**16**
	60% Cost Estimate (based on quantity take off & bid items)		8		6										**14**
	90% Cost Estimate		10		4										**14**
	Design Meetings														
	Coordination meeting with Anoka County public works (2 meetings)	2	6	2	6	2									**18**
	Exhibits (permits, client requests, meetings)		12								4				**16**
	Design review meetings (30%, 60%, 90% milestones)		12		6										**18**
	Internal design team meetings (Bi-weekly)	4	10	4	10										**28**
	City Council meetings (2 meetings)		4	4											**8**
	Subtotal Hours	**12**	**126**	**17**	**138**	**2**	**16**	**30**	**2**		**45**			**N/A**	**388**
	Subtotal Fees	**$3,321.48**	**$17,559.59**	**$3,671.78**	**$18,326.40**	**$400.00**	**$2,470.40**	**$4,934.40**	**$292.16**		**$5,738.40**				**$56,714.61**

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P -159310

March 2, 2021

Prepared by: Justin R. Bergerson

Reviewed By: Todd Blank

Prepared Date: 3/2/2021

Reviewed Date: 3/1/2021

	Billing Title	CSM	PM	Senior PE	PE	Senior PE	Senior PE	Senior PE	PE	Scientist	Sr Tech	Survey Crew Chief	Admin Tech	Subconsultant & Expenses	Total
1.4	**Geotechnical Investigation**														
	Prepare geotechnical scope of work. Geotechnical Investigation by others (SEH to coordinate)		2			4									**6**
	Review project with geotechnical staff	2	2			8									**12**
	Coordinate geotechnical testing and boring location staking ($28,500 allowance for soil boring subcontractor)					16								$ 28,500.00	**16**
	Assess existing soils conditions					10									**10**
	Develop trench excavation and backfill recommendations					12									**12**
	Develop trenchless utility installation recommendations		2			20									**22**
	Prepare draft geotechnical memo					24									**24**
	Prepare final geotechnical memo		2			8									**10**
	Subtotal Hours	**2**	**8**			**102**								**N/A**	**112**
	Subtotal Fees	**$553.58**	**$1,114.89**			**$20,400.00**								**$28,500.00**	**$50,568.47**
	Task Hours Summary	**18**	**163**	**19**	**178**	**106**	**16**	**30**	**2**	**30**	**50**	**111**		**N/A**	**723**
	Task Fee Summary	**$4,982.22**	**$22,715.98**	**$4,103.76**	**$23,638.40**	**$21,200.00**	**$2,470.40**	**$4,934.40**	**$292.16**	**$3,456.00**	**$6,376.00**	**$13,923.84**		**$34,118.78**	**$142,211.94**
Task #2 - Final Design & Bid Documents															
2.1	**Develop Construction Plans**														
	Title Sheet				3										**3**
	General Layout				2						2				**4**
	Estimated Quantities, Notes, Standard Plates				2						4				**6**
	General Notes				4						2				**6**
	Tabulations				2						2				**4**
	Construction details		4		4						2				**10**
	Sequence of Operations/Phasing		4		12						8				**24**
	Alignment Tabulation and Survey Control				8										**8**
	Existing Conditions/Removals		8		16						20				**44**
	Plan and Profile Sheets - Water Main		36		76			12			80				**204**
	Plan and Profile Sheets - Grading/Street/ Trail		12		20						10				**42**
	Storm Water Pollution Prevention Plan (SWPPP)				4				12		2				**18**
	Erosion Control				2				4		8				**14**
	Traffic Control/ Detour Plan						16								**16**
	Pavement Markings/Signing						4								**4**
	Quality control review		12	8				10							**30**
	Constructability Review		8	1	4			8							**21**
	Project site walkthrough plan review		4		4										**8**
	Subtotal Hours		**88**	**9**	**163**		**20**	**30**	**16**		**140**			**N/A**	**466**
	Subtotal Fees		**$12,263.84**	**$1,943.88**	**$21,646.40**		**$3,088.00**	**$4,934.40**	**$2,337.28**		**$17,852.80**				**$64,066.61**

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P -159310

March 2, 2021

Prepared by: Justin R. Bergerson

Reviewed By: Todd Blank

Prepared Date: 3/2/2021

Reviewed Date: 3/1/2021

	Billing Title	CSM	PM	Senior PE	PE	Senior PE	Senior PE	Senior PE	PE	Scientist	Sr Tech	Survey Crew Chief	Admin Tech	Subconsultant & Expenses	Total
2.2	**Project Manual**														
	Front end documents		2										1		**3**
	Bidding requirements		4										1		**5**
	Geotechnical data		2			4							1		**7**
	Contract forms		2										1		**3**
	Conditions of the contract		2										1		**3**
	Supplementary conditions		4										1		**5**
	Special provisions		4										1		**5**
	Technical specifications		16	4		2							2		**24**
	Subtotal Hours		**36**	**4**		**6**							**9**	**N/A**	**55**
	Subtotal Fees		**$5,017.03**	**$863.95**		**$1,200.00**							**$918.72**		**$7,999.70**
2.3	**Quantities, Bid Tab, Engineer's Estimate**														
	Develop statement of estimate quantities		2		4										**6**
	Develop bid tab		4		3										**7**
	Develop unit pricing and engineer's estimate		4		8										**12**
	Subtotal Hours		**10**		**15**									**N/A**	**25**
	Subtotal Fees		**$1,393.62**		**$1,992.00**										**$3,385.62**
2.4	**Agency Reviews & Permits**														
	30% Owner Review		6		12										**18**
	60% Owner Review		6		12										**18**
	90% Owner Review		6		12										**18**
	Department of Health		4		4										**8**
	Agency Permits (Anoka County General Work Permit)		6		14										**20**
	Agency Permits (Wetland Permitting if required)									24					**24**
	Subtotal Hours		**28**		**54**					**24**				**N/A**	**106**
	Subtotal Fees		**$3,902.13**		**$7,171.20**					**$2,764.80**					**$13,838.13**
2.5	**Bidding**														
	Prepare ad for bid & electronic bid docs		2										6		**8**
	Respond to bid questions & prepare addenda		10										5		**15**
	Attend bid opening		4												**4**
	Prepare tabulation of bid and award recommendation letter		2										1		**3**
	Attend Council meeting		2												**2**
	Prepare notice to proceed letter		2										1		**3**
	Subtotal Hours		**22**										**13**	**N/A**	**35**
	Subtotal Fees		**$3,065.96**										**$1,327.04**		**$4,393.00**
	Task Hours Summary		**184**	**13**	**232**	**6**	**20**	**30**	**16**	**24**	**140**		**22**	**N/A**	**687**
	Task Fee Summary		**$25,642.58**	**$2,807.83**	**$30,809.60**	**$1,200.00**	**$3,088.00**	**$4,934.40**	**$2,337.28**	**$2,764.80**	**$17,852.80**		**$2,245.76**		**$93,683.05**

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P -159310

March 2, 2021

Prepared by: Justin R. Bergerson

Reviewed By: Todd Blank

Prepared Date: 3/2/2021

Reviewed Date: 3/1/2021

	Billing Title	CSM	PM	Senior PE	PE	Senior PE	Senior PE	Senior PE	PE	Scientist	Sr Tech	Survey Crew Chief	Admin Tech	Subconsultant & Expenses	Total
Task #3- Construction Services															
3.1	**Preconstruction Activities**														
	Preconstruction meeting agenda, attendance, minutes		5		4										**9**
	Review shop drawings		4		12			4							**20**
	Create field quantity book												2		**2**
	Create application for payment forms												4		**4**
	Reproductions of construction documents													$ 270.68	
	Subtotal Hours		**9**		**16**			**4**					**6**	**N/A**	**35**
	Subtotal Fees		**$1,254.26**		**$2,124.80**			**$657.92**					**$612.48**	**$270.68**	**$4,920.14**
3.2	**Construction Administration**														
	Project management		105												**105**
	Engineering Support		40					6	4						**50**
	Construction meetings (Assumed 8 meetings)		32												**32**
	Pay applications		4		8										**12**
	Materials testing coordination				2										**2**
	Newsletter updates				8										**8**
	Subtotal Hours		**181**		**18**			**6**	**4**					**N/A**	**209**
	Subtotal Fees		**$25,224.49**		**$2,390.40**			**$986.88**	**$584.32**						**$29,186.09**
3.3	**Construction Staking**														
	Create stakeout file / point files										4	2			**6**
	Stake Right of Way and Easements											6			**6**
	Construction Limits & Silt Fence											4			**4**
	Water Main											72			**72**
	Trails and Walks											6			**6**
	Pedestrian Ramps											8			**8**
	Mileage and Survey Equipment Expenses													$ 871.00	
	Subtotal Hours										**4**	**98**		**N/A**	**102**
	Subtotal Fees										**$510.08**	**$12,293.12**		**$871.00**	**$13,674.20**

EXHIBIT A

Central WTP Water Systems Connection

City of Ramsey, MN

SEH Project # P -159310

March 2, 2021

Prepared by: Justin R. Bergerson

Reviewed By: Todd Blank

Prepared Date: 3/2/2021

Reviewed Date: 3/1/2021

	Billing Title	CSM	PM	Senior PE	PE	Senior PE	Senior PE	Senior PE	PE	Scientist	Sr Tech	Survey Crew Chief	Admin Tech	Subconsultant & Expenses	Total
3.4	Construction Observation														
	Full time on-site observation (50 hours/ week @ 12 weeks)				600										600
	RPR Per Diem & Mileage													$ 4,404.00	
	Materials Testing Subconsultant (by City)														
	Subtotal Hours				600									N/A	600
	Subtotal Fees				$79,680.00									$4,404.00	$84,084.00
3.5	Project Closeout														
	Site closeout walkthrough & develop punch list				16										16
	Punchlist coordination				10										10
	As built survey & structures											16			16
	Complete as built drawings										30				30
	Final application for payment & contractor closeout letter		12												12
	1 year warranty walkthrough and follow up				16										16
	Subtotal Hours		12		42						30	16		N/A	100
	Subtotal Fees		$1,672.34		$5,577.60						$3,825.60	$2,007.04			$13,082.58
	Task Hours Summary		202		676			10	4		34	114	6	N/A	1,046
	Task Fee Summary		$28,151.09		$89,772.80			$1,644.80	$584.32		$4,335.68	$14,300.16	$612.48	$5,545.68	$144,947.01
Task #1 - Data Collection & Preliminary Design															
	Task Hours Summary	18	163	19	178	106	16	30	2	30	50	111		N/A	723
	Task Fee Summary	$4,982.22	$22,715.98	$4,103.76	$23,638.40	$21,200.00	$2,470.40	$4,934.40	$292.16	$3,456.00	$6,376.00	$13,923.84		$34,118.78	$142,211.94
Task #2 - Final Design & Bid Documents															
	Task Hours Summary		184	13	232	6	20	30	16	24	140		22	N/A	687
	Task Fee Summary		$25,642.58	$2,807.83	$30,809.60	$1,200.00	$3,088.00	$4,934.40	$2,337.28	$2,764.80	$17,852.80		$2,245.76		$93,683.05
Task #3 - Construction Services															
	Task Hours Summary		202		676			10	4		34	114	6	N/A	1,046
	Task Fee Summary		$28,151.09		$89,772.80			$1,644.80	$584.32		$4,335.68	$14,300.16	$612.48	$5,545.68	$144,947.01
Project Summary															
	Project Hours Summary	18	549	32	1,086	112	36	70	22	54	224	225	28	N/A	2,456
	Project Fee Summary	$4,982.22	$76,509.65	$6,911.59	$144,220.80	$22,400.00	$5,558.40	$11,513.60	$3,213.76	$6,220.80	$28,564.48	$28,224.00	$2,858.24	$39,664.47	$380,842.00

NOTES

1.) It is assumed that utility construction/ reconstruction projects are exempt from LRRWMO stormwater permitting requirements. Therefore no hours are assumed to prepare watershed permit application.
2.) It is assumed that a MnDNR water works permit is not required at the time of this proposal.
3.) It is assumed that additional easement acquisitions are not anticipated or have not yet been identified at the time of this proposal. Therefore no hours are assumed for easement document preparation.
4.) Construction services assumes SEH will provide 1 civil RPR for 50 hours per week for 12 weeks.
5.) Required permitting fees will be the responsibility of the City of Ramsey

Exhibit A-1
to Supplemental Letter Agreement
Between City of Ramsey (Client)
and
Short Elliott Hendrickson Inc. (Consultant)
Dated March 2, 2021

Payments to Consultant for Services and Expenses Using the Hourly Basis Option

The Agreement for Professional Services is amended and supplemented to include the following agreement of the parties:

A. Hourly Basis Option

The Client and Consultant select the hourly basis for payment for services provided by Consultant. Consultant shall be compensated monthly. Monthly charges for services shall be based on Consultant's current billing rates for applicable employees plus charges for expenses and equipment.

Consultant will provide an estimate of the costs for services in this Agreement. It is agreed that after 90% of the estimated compensation has been earned and if it appears that completion of the services cannot be accomplished within the remaining 10% of the estimated compensation, Consultant will notify the Client and confer with representatives of the Client to determine the basis for completing the work.

Compensation to Consultant based on the rates is conditioned on completion of the work within the effective period of the rates. Should the time required to complete the work be extended beyond this period, the rates shall be appropriately adjusted.

B. Expenses

The following items involve expenditures made by Consultant employees or professional consultants on behalf of the Client. Their costs are not included in the hourly charges made for services and shall be paid for as described in this Agreement but instead are reimbursable expenses required in addition to hourly charges for services:

1. Transportation and travel expenses.
2. Long distance services, dedicated data and communication services, teleconferences, Project Web sites, and extranets.
3. Lodging and meal expense connected with the Project.
4. Fees paid, in the name of the Client, for securing approval of authorities having jurisdiction over the Project.
5. Plots, Reports, plan and specification reproduction expenses.
6. Postage, handling and delivery.
7. Expense of overtime work requiring higher than regular rates, if authorized in advance by the Client.
8. Renderings, models, mock-ups, professional photography, and presentation materials requested by the Client.
9. All taxes levied on professional services and on reimbursable expenses.
10. Other special expenses required in connection with the Project.
11. The cost of special consultants or technical services as required. The cost of subconsultant services shall include actual expenditure plus 10% markup for the cost of administration and insurance.

The Client shall pay Consultant monthly for expenses.

C. Equipment Utilization

The utilization of specialized equipment, including automation equipment, is recognized as benefiting the Client. The Client, therefore, agrees to pay the cost for the use of such specialized equipment on the project. Consultant invoices to the Client will contain detailed information regarding the use of specialized equipment on the project and charges will be based on the standard rates for the equipment published by Consultant.

The Client shall pay Consultant monthly for equipment utilization.

document6

Exhibit B
to Supplemental Letter Agreement
Between City of Ramsey (Client)
and
Short Elliott Hendrickson Inc. (Consultant)
Dated March 2, 2021

A Listing of the Duties, Responsibilities and Limitations of Authority of the Resident Project Representative

Through more extensive on site observations of the construction work in progress and field checks of materials and equipment by the Resident Project Representative (RPR), Consultant shall endeavor to provide further protection for Client against defects and deficiencies in the work of contractor (Work); but, the furnishing of such services will not make Consultant responsible for or give Consultant control over construction means, methods, techniques, sequences or procedures or for safety precautions or programs, or responsibility for contractor's failure to perform the Work in accordance with the Contract Documents. Contract Documents are the documents that govern or are pertinent to contractor's Work including but not limited to the agreement between Client and contractor, the contractor's bid, the bonds, specs, drawings, field orders, addenda, clarifications, interpretations, approved shop drawings and reports collectively called the Contract Documents. The duties and responsibilities of the RPR are further defined as follows:

A. General

RPR is an agent of Consultant at the site, will act as directed by and under the supervision of Consultant, and will confer with Consultant regarding RPR's actions. RPR's dealings in matters pertaining to the on site work shall in general be with Consultant and contractor keeping the Client advised as necessary. RPR's dealings with subcontractors shall only be through or with the full knowledge and approval of contractor. RPR shall generally communicate with Client with the knowledge of and under the direction of Consultant.

B. Duties and Responsibilities of RPR

1. Schedules: Review the progress schedule, schedule of shop drawing submittals and schedule of values prepared by Contractor and consult with Consultant concerning acceptability.
2. Conferences and Meetings: Attend meetings with contractor, such as preconstruction conferences, progress meetings, job conferences and other project-related meetings, and prepare and circulate copies of minutes thereof.
3. Liaison:
   (a) Serve as Consultant's liaison with contractor, working principally through contractor's superintendent and assist in understanding the intent of the Contract Documents; and assist Consultant in serving as Client's liaison with contractor when contractor's operations affect Client's on-site operations.
   (b) Assist in obtaining from Client additional information, when required for proper execution of the Work.
4. Shop Drawings and Samples*:
   (a) Record date of receipt of shop drawings and samples.
   (b) Receive samples furnished at the site by contractor, and notify Consultant of availability of samples.
   (c) Advise Consultant and contractor of the commencement of any Work requiring a shop drawing or sample if the submittal has not been approved by Consultant.
5. Review of Work, Observations and Tests:
   (a) Conduct on-site observations of the Work in progress to assist Consultant in determining if the Work is in general proceeding in accordance with the Contract Documents.
   (b) Report to Consultant whenever RPR believes that any Work is unsatisfactory, faulty or defective or does not conform to the Contract Documents, or has been damaged, or does not meet the requirements of any inspection, test or approval required to be made; and advise Consultant of

Work that RPR believes should be corrected or rejected or should be uncovered for observation, or requires special testing, inspection or approval.

(c) Determine if tests, equipment and systems start-ups and operating and maintenance training are conducted in the presence of appropriate personnel, and that Contractor maintains adequate records thereof; and observe, record and report to Consultant appropriate details relative to the test procedures and start-ups.

(d) Accompany visiting inspectors representing public or other agencies having jurisdiction over the Project, record the results of these inspections and report to Consultant.

6. Interpretation of Contract Documents: Report to Consultant when clarification and interpretations of the Contract Documents are requested by contractor and transmit to contractor clarifications and interpretations as issued by Consultant.
7. Modifications: Consider and evaluate contractor's suggestions for modifications in drawings or specifications and report with RPR's recommendations to Consultant. Transmit to contractor decisions as issued by Consultant.
8. Records:
   (a) Maintain at the job site orderly files for correspondence, reports of job conferences, shop drawings and samples, reproductions of original Contract Documents including all addenda, change orders, field orders, additional drawings issued subsequent to the execution of the construction contract, Consultant's clarifications and interpretations of the Contract Documents, progress reports, and other related documents.

   (b) Keep a diary or log book, recording contractor hours on the job site, weather conditions, data relative to questions of change orders, or changed conditions, list of job site visitors, daily activities, decisions, observations in general, and specific observations in more detail as in the case of observing test procedures; and send copies to Consultant.

   (c) Record names, addresses and telephone numbers of all contractors, subcontractors and major suppliers of materials and equipment.
9. Reports:
   (a) Furnish Consultant periodic reports as required of progress of the Work and of contractor's compliance with the progress schedule and schedule of shop drawing and sample submittals.

   (b) Consult with Consultant in advance of scheduled major tests, inspections or start of important phases of the Work.

   (c) Draft proposed change orders and Work, obtaining backup material from contractor and recommend to Consultant change orders, and field orders.

   (d) Report immediately to Consultant and Client upon the occurrence of any accident.
10. Payment Requests: Review applications for payment with contractor for compliance with the established procedure for their submission and forward with recommendations to Consultant, noting particularly the relationship of the payment requested to the schedule of values, Work completed and materials and equipment delivered at the site but not incorporated in the Work.
11. Certificates, Maintenance and Operation Manuals: During the course of the Work, verify that certificates, maintenance and operation manuals and other data required to be assembled and furnished by contractor are applicable to the items actually installed and in accordance with the Contract Documents, and have this material delivered to Consultant for review and forwarding to Client prior to final payment for the Work.
12. Completion:
   (a) Before Consultant issues a certificate of substantial completion, submit to contractor a list of observed items requiring completion or correction.

   (b) Conduct final inspection in the company of Consultant, Client, and contractor and prepare a final list of items to be completed or corrected.

   (c) Observe that all items on final list have been completed or corrected and make recommendations to Consultant concerning acceptance.

C. Limitations of Authority

Resident Project Representative:

1. Shall not authorize any deviation from the Contract Documents or substitution of materials or equipment, unless authorized by Client.
2. Shall not exceed limitations of Consultant's authority as set forth in the Agreement for Professional Services.
3. Shall not undertake any of the responsibilities of contractor, subcontractors or contractor's superintendent.
4. Shall not advise on, issue directions regarding or assume control over safety precautions and programs in connection with the Work.
5. Shall not accept shop drawing or sample submittals from anyone other than contractor.
6. Shall not authorize Client to occupy the Project in whole or in part.
7. Shall not participate in specialized field or laboratory tests or inspections conducted by others except as specifically authorized by Consultant.

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Feasibility Study

Water Treatment Plant

City of Ramsey, Minnesota

RAMSY 154354 | March 4, 2021

SEH

Building a Better World for All of Us®

Engineers | Architects | Planners | Scientists

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

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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Feasibility Study

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.

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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

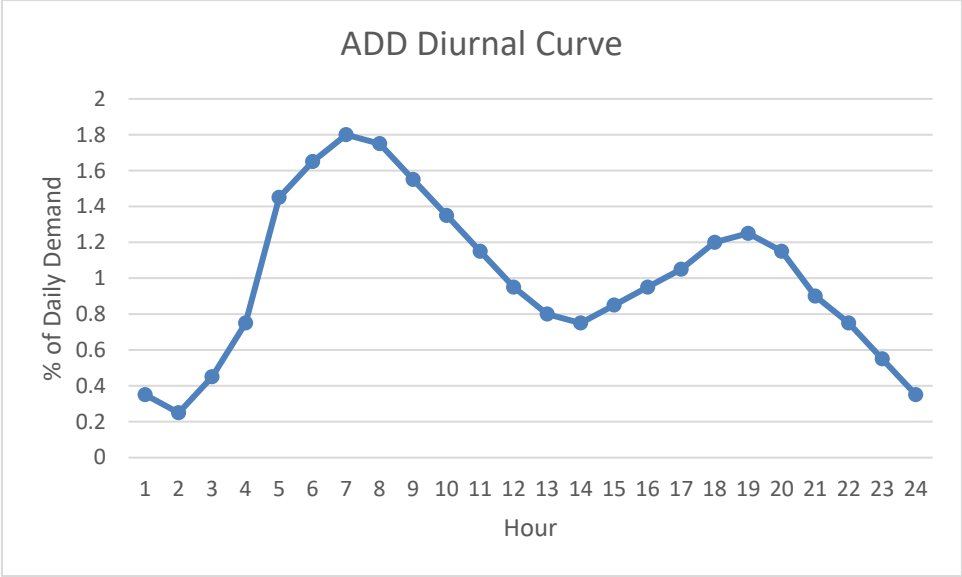
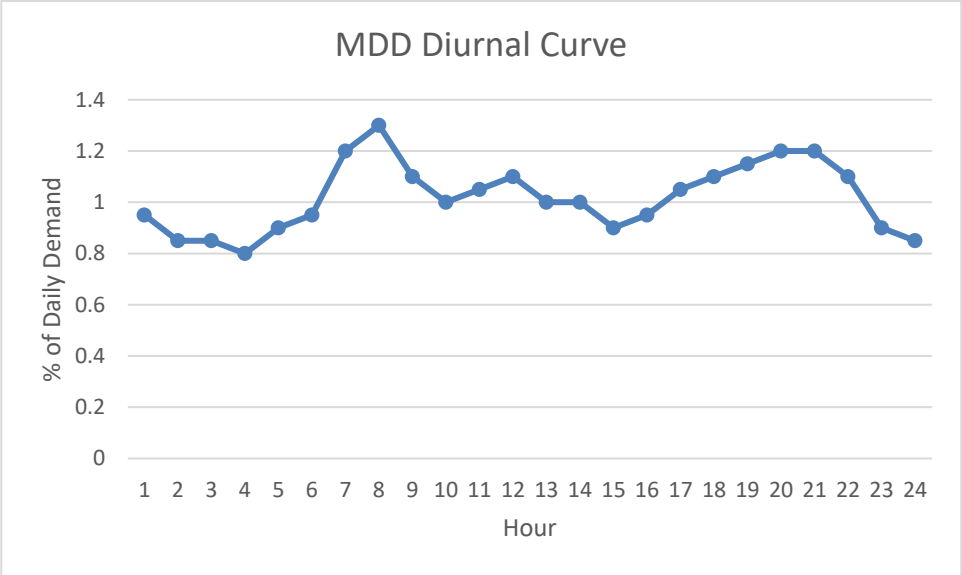


Figure 2 – MDD Diurnal Curve



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.

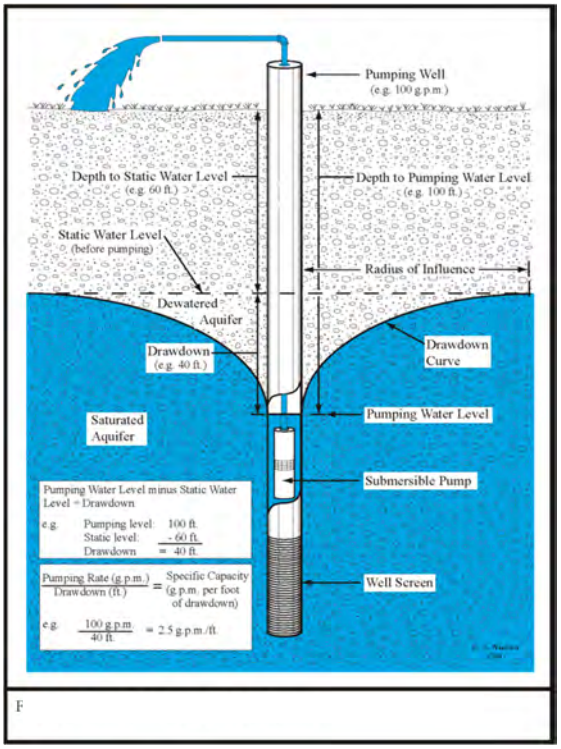
5.1.5 Aquifer Response to Well Pumping

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

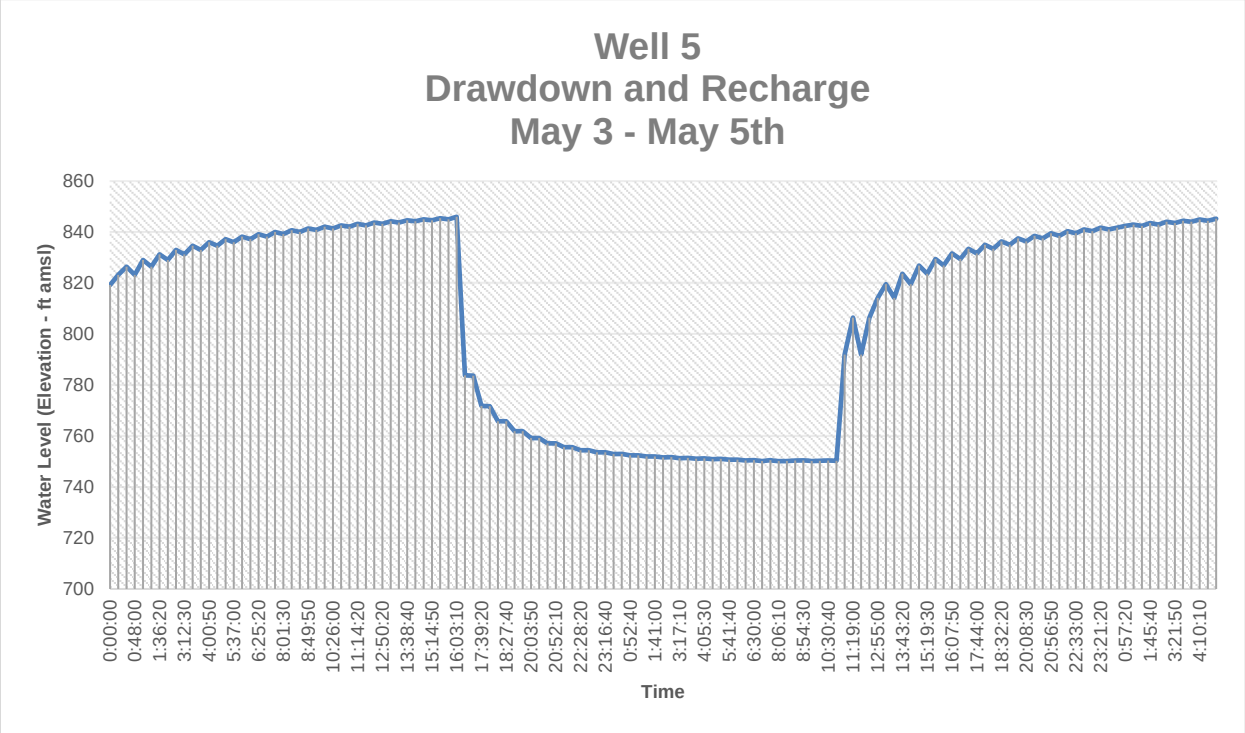
Well drawdown is the decrease of water from the baseline static water level. It can also be described as a decrease in water elevation, potentiometric surface, or water head. As a well is pumped, drawdown is induced by the removal of a volume of water from the aquifer. As the well continues to operate 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.

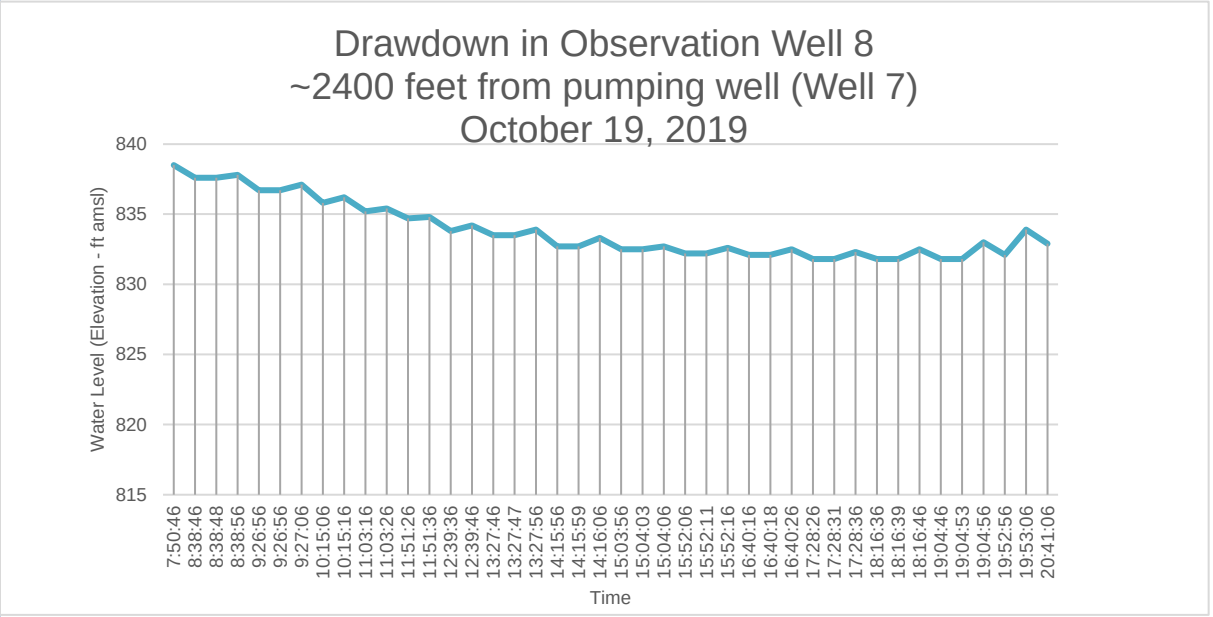
5.1.7 Well Spacing

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

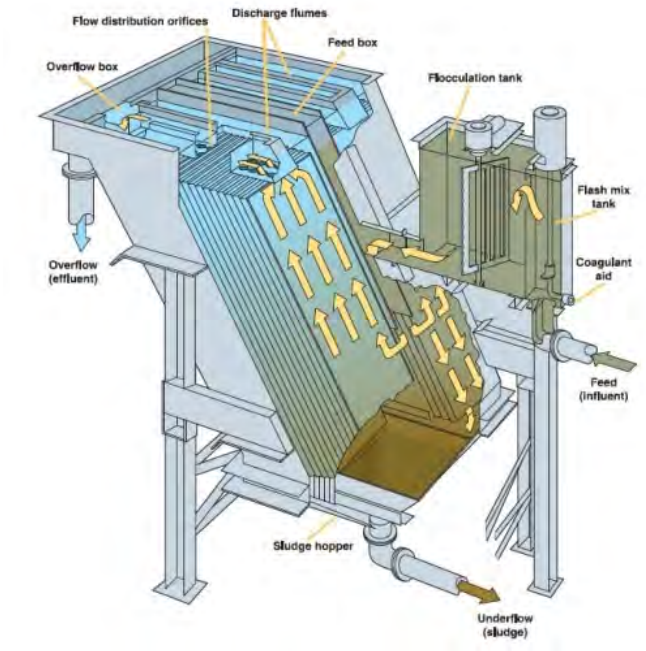
Backwash tanks simply involve discharging the backwash water to a tank where the water is allowed to settle for a period of time (typically 8 hours). Clear water is decanted from the backwash tank and recycled to the beginning of the treatment process. A backwash polymer may be utilized to increase settling 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

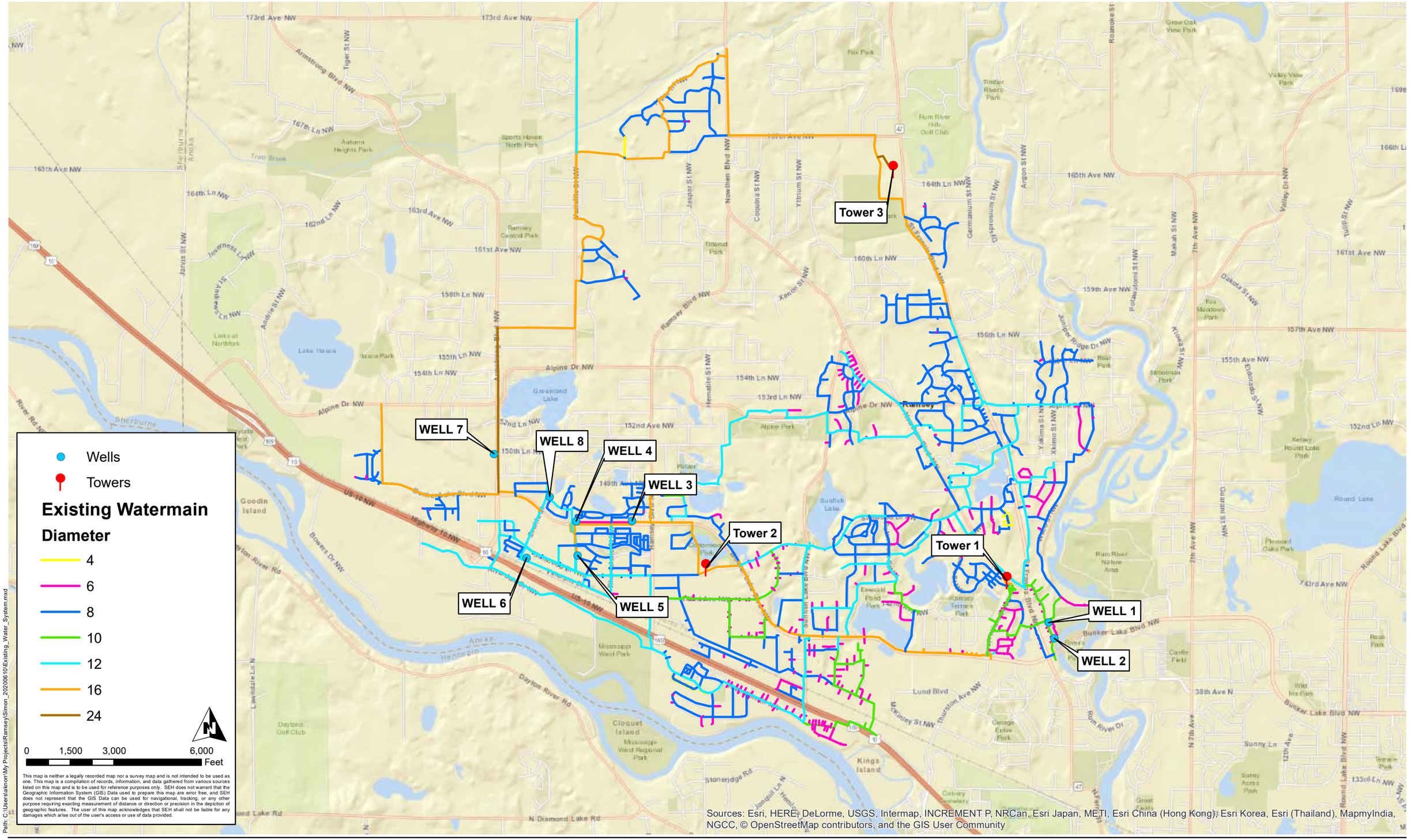
If the City elects to proceed with a water treatment plant project, the proposed project schedule could be as follows:

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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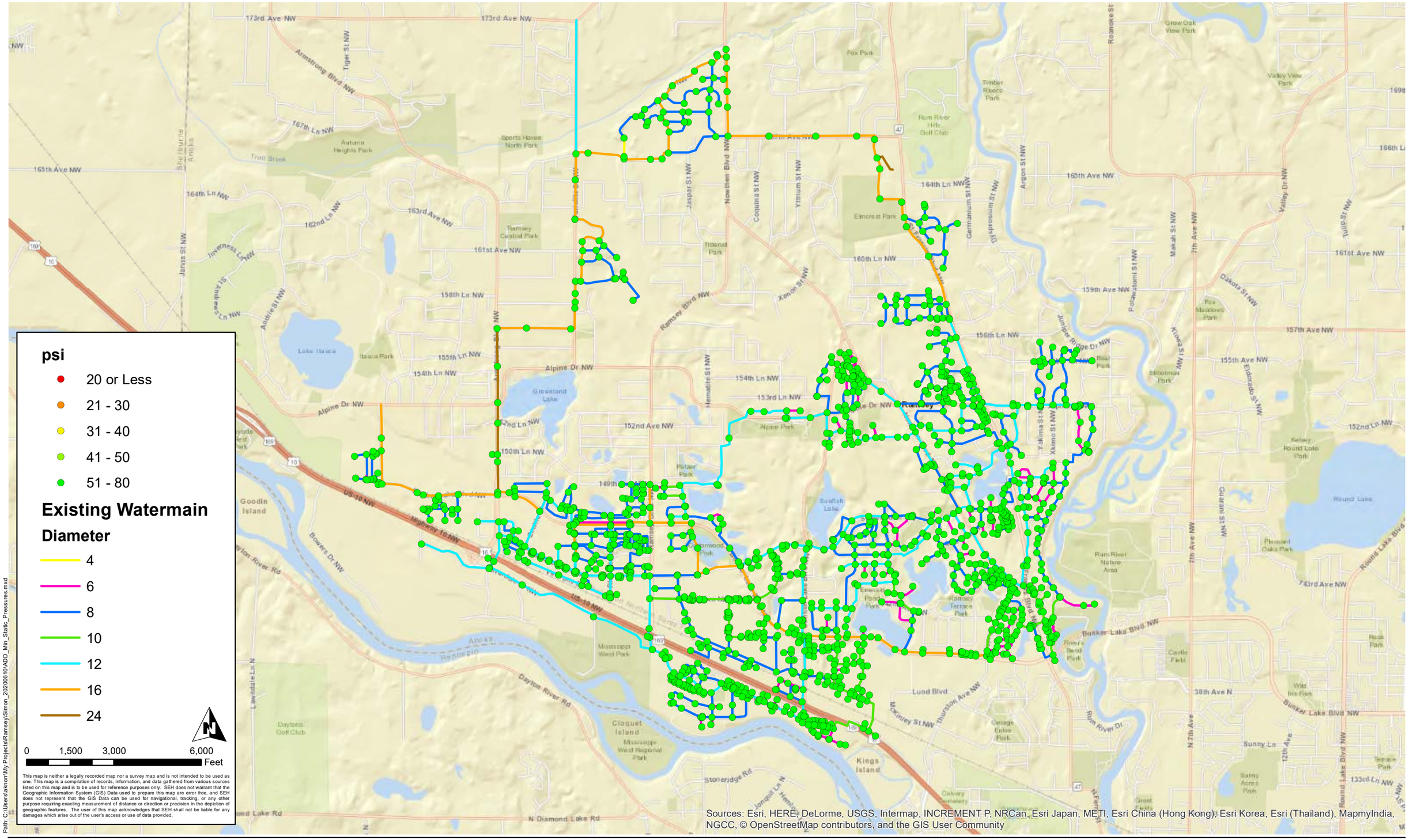
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EXISTING WATER SYSTEM
Ramsey, Minnesota

FIGURE 1
Existing Water System

Appendix B

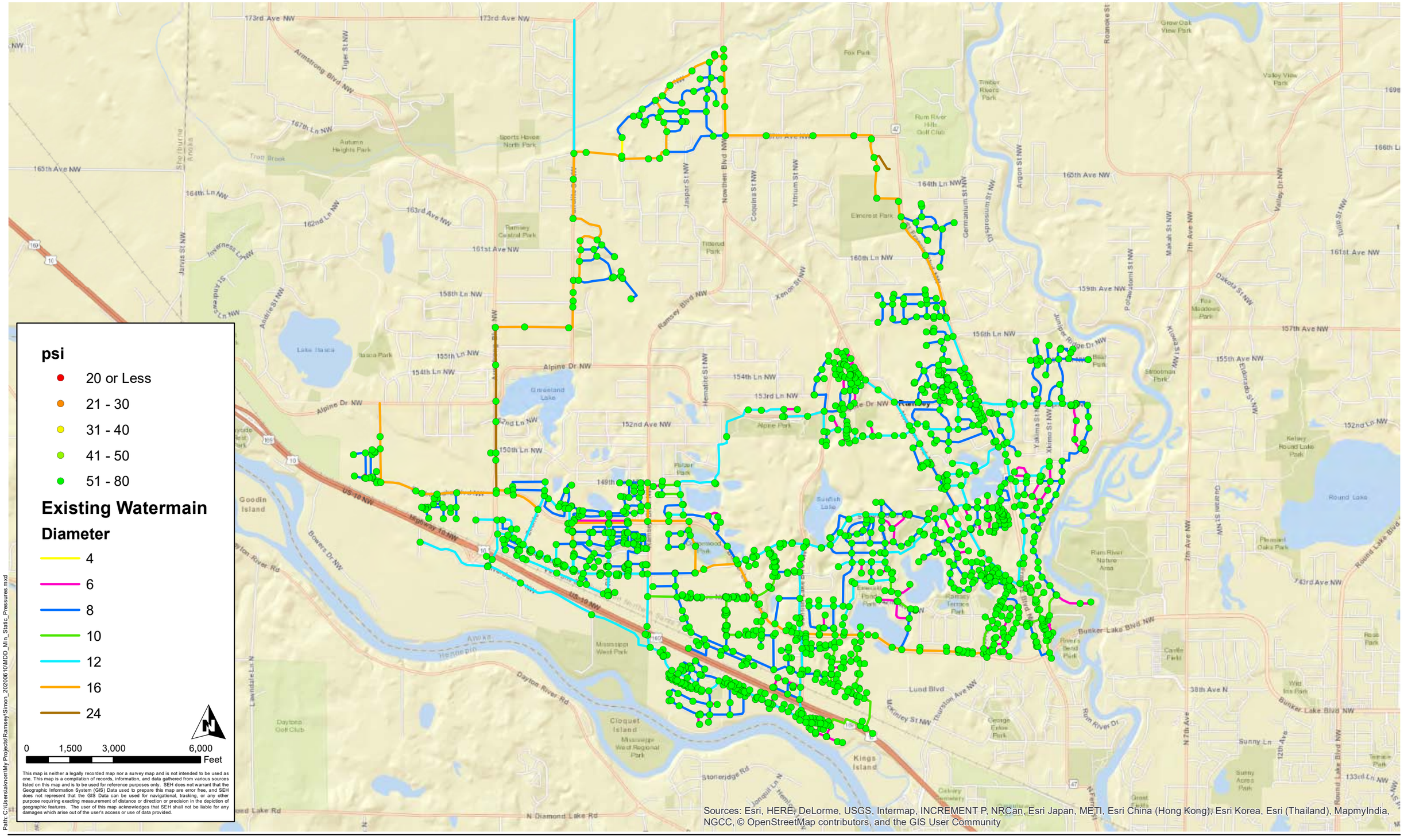
Modeling



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EXISTING ADD STATIC PRESSURE
Ramsey, Minnesota

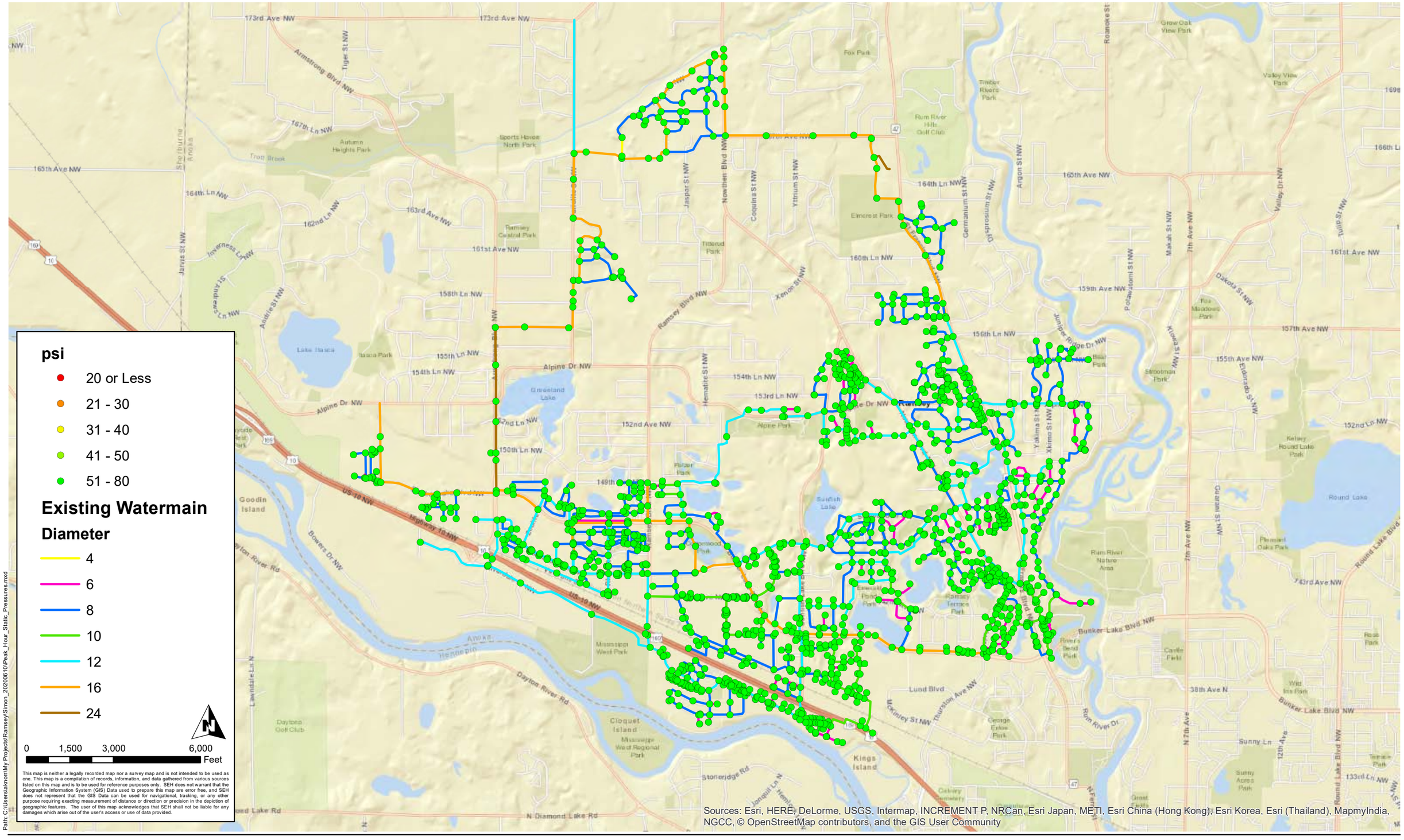
FIGURE 1
Minimum Pressures



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EXISTING MDD STATIC PRESSURE
Ramsey, Minnesota

FIGURE 2
Minimum Pressures



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EXISTING PEAK HOUR STATIC PRESSURE
Ramsey, Minnesota

FIGURE 3
Minimum Pressures

FIGURE 4

Existing System ADD 24-Hour Simulation

Well and Tower Operation

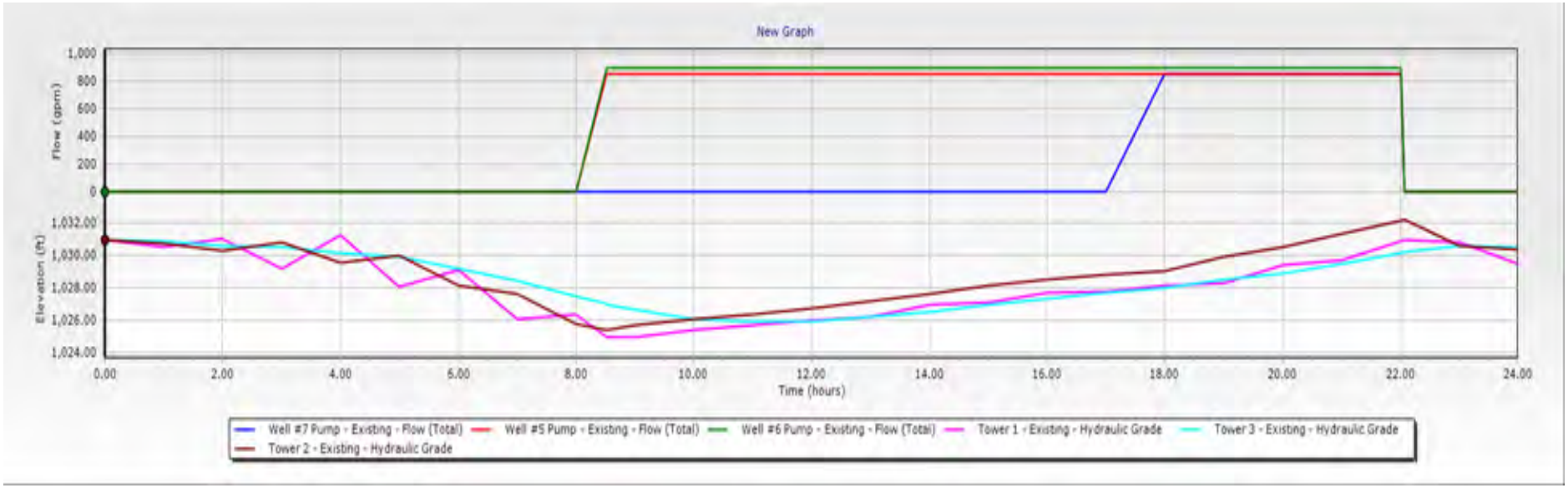
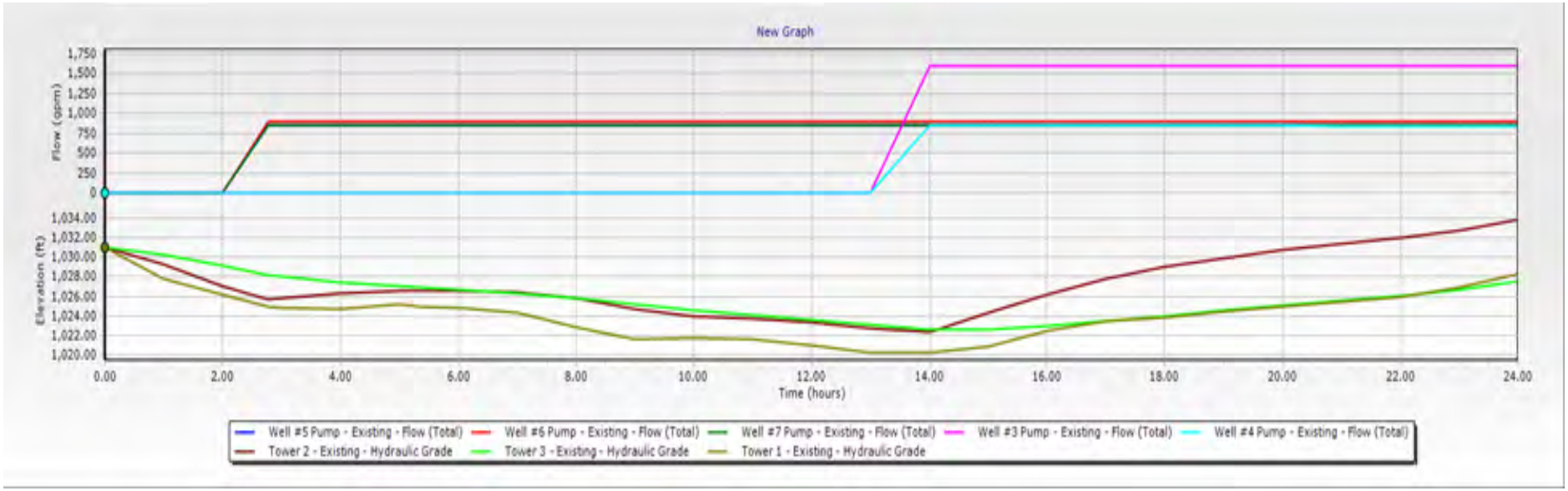


FIGURE 5

Existing System MDD 24-Hour Simulation

Well and Tower Operation



psi

54 - 75

Existing Watermain

Diameter

- 4
- 6
- 8
- 10
- 12
- 16
- 24

0 1,500 3,000 6,000 Feet

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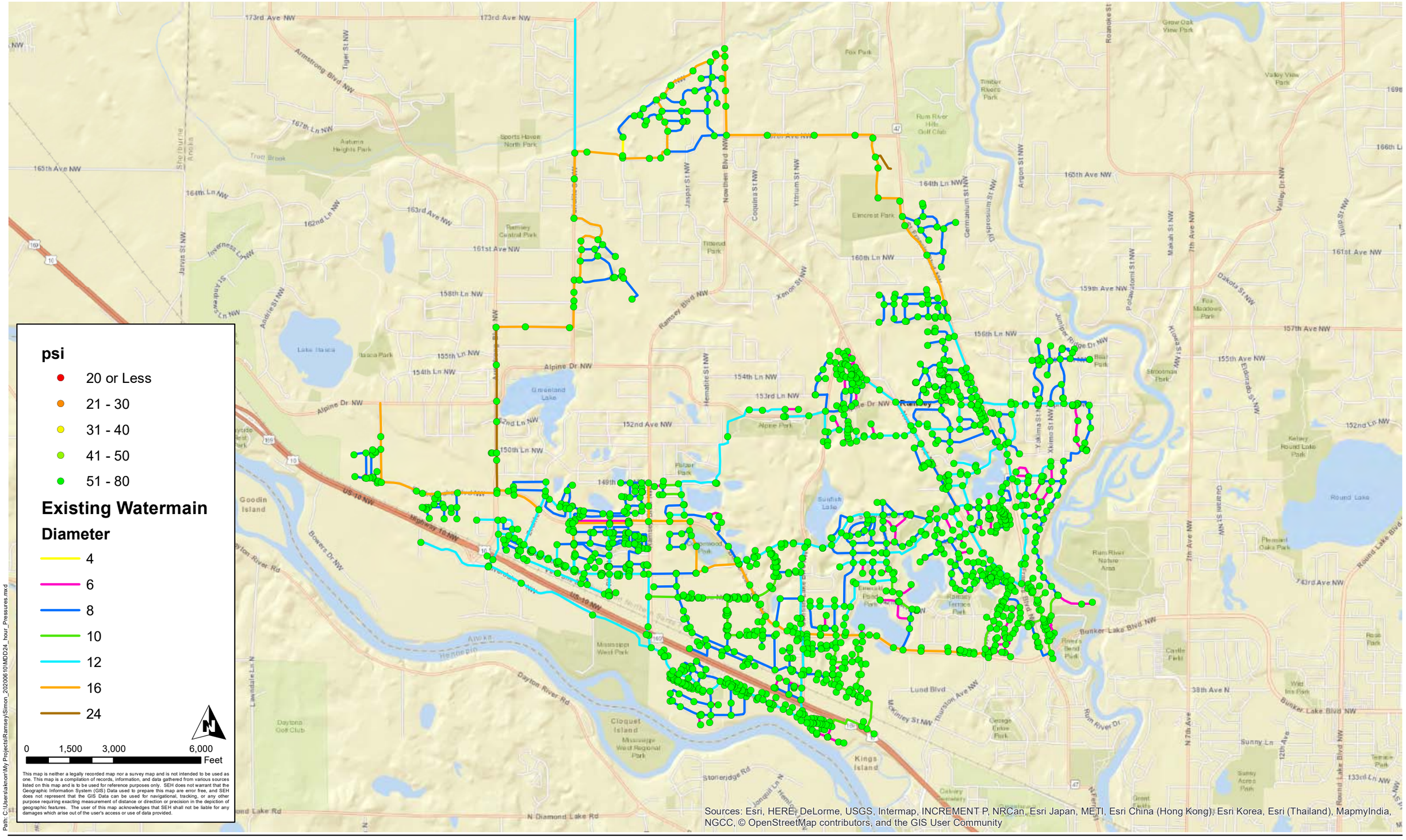
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EXISTING ADD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

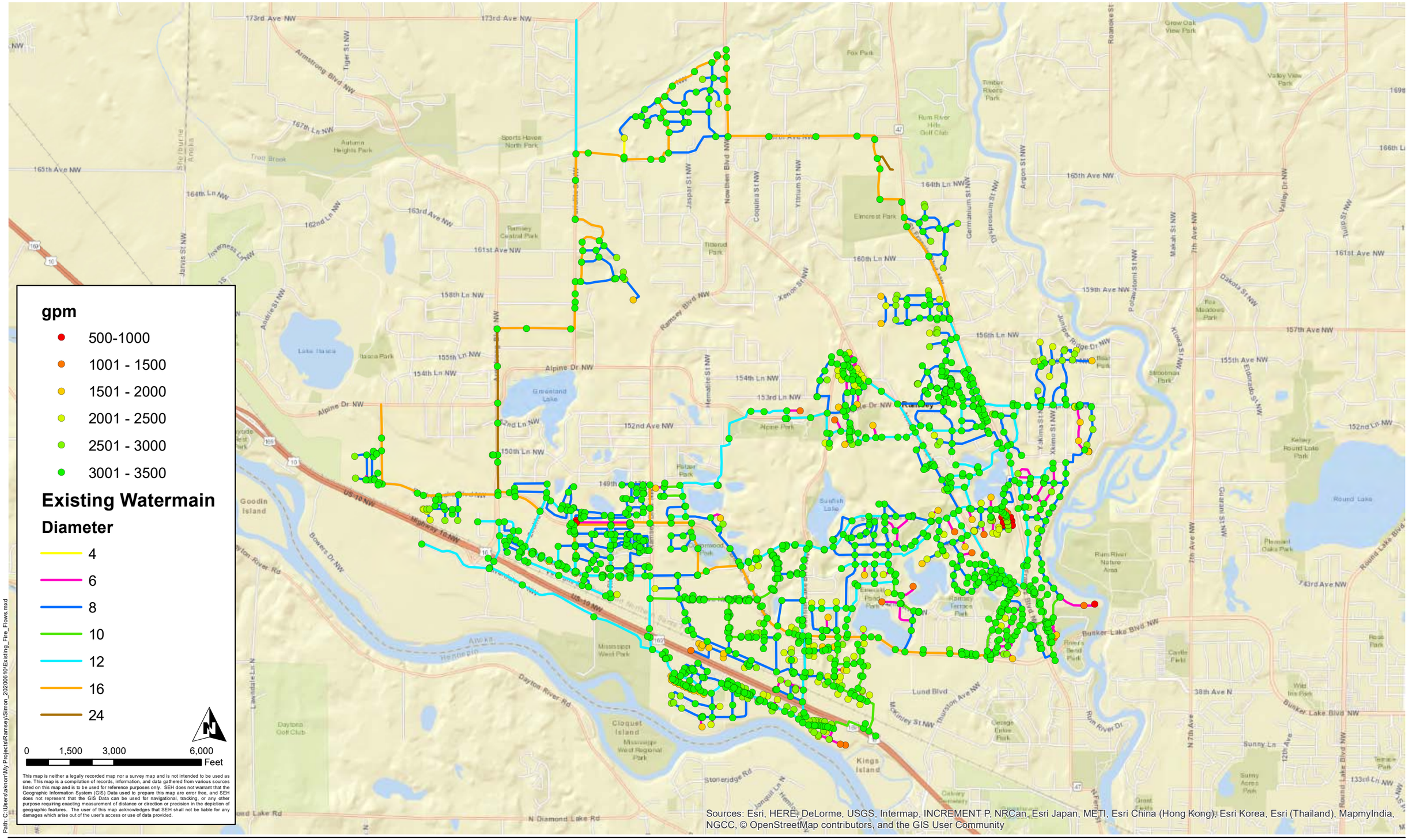
FIGURE 6
Minimum Pressures



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EXISTING MDD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

FIGURE 7
Minimum Pressures



Project Number: RAMSY 154354
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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

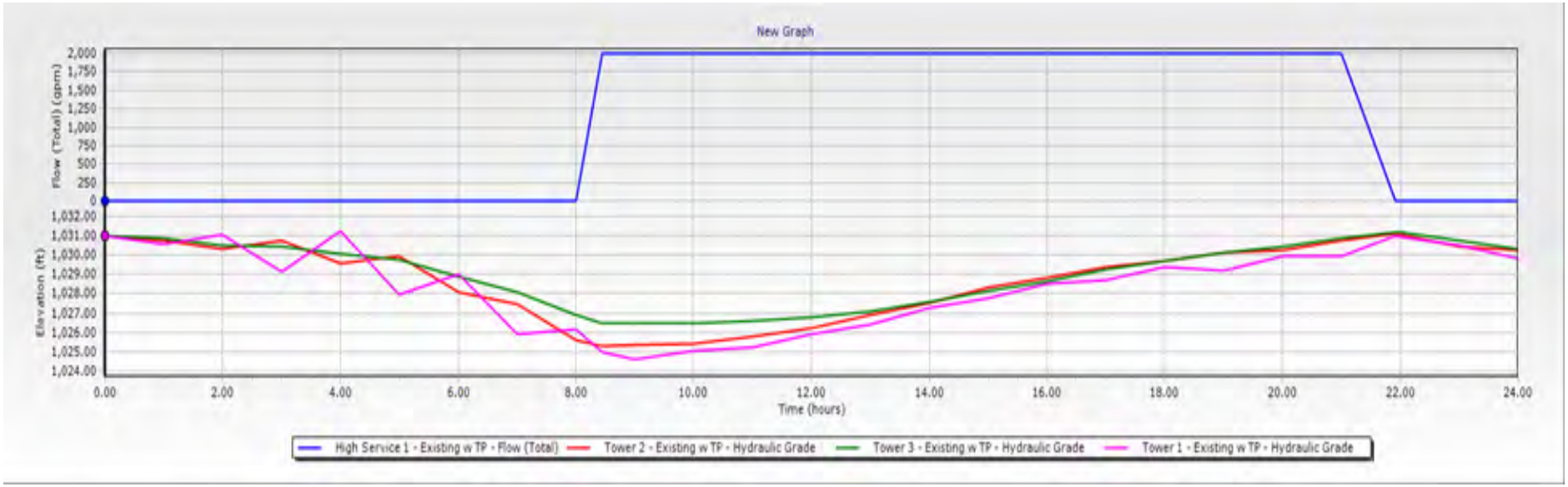
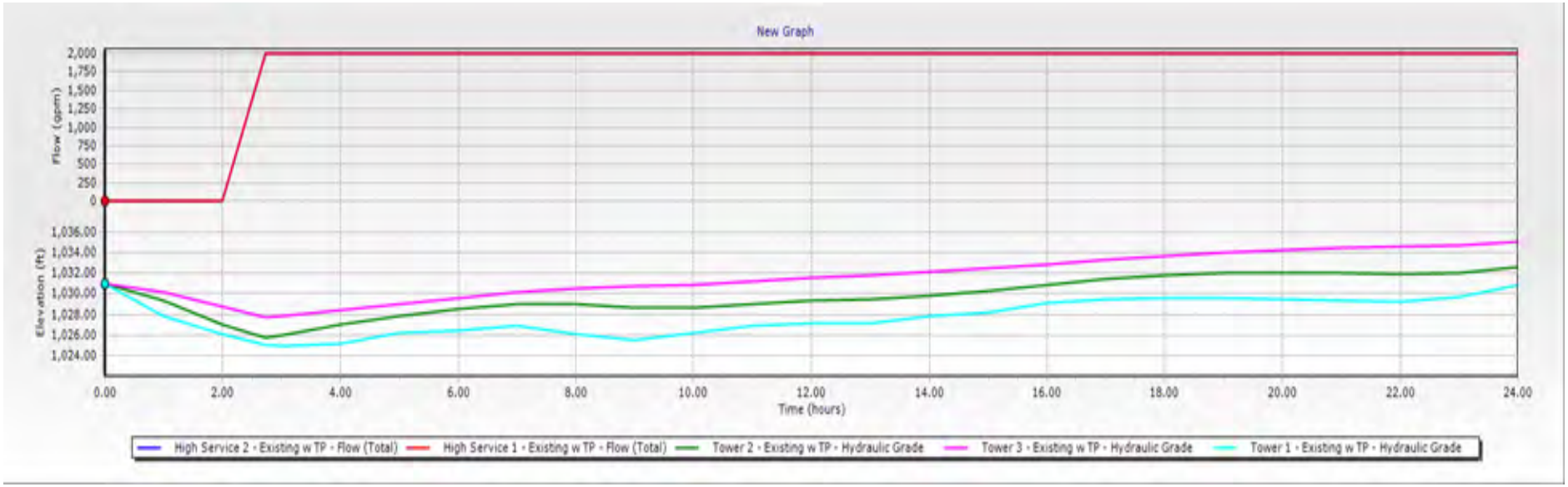
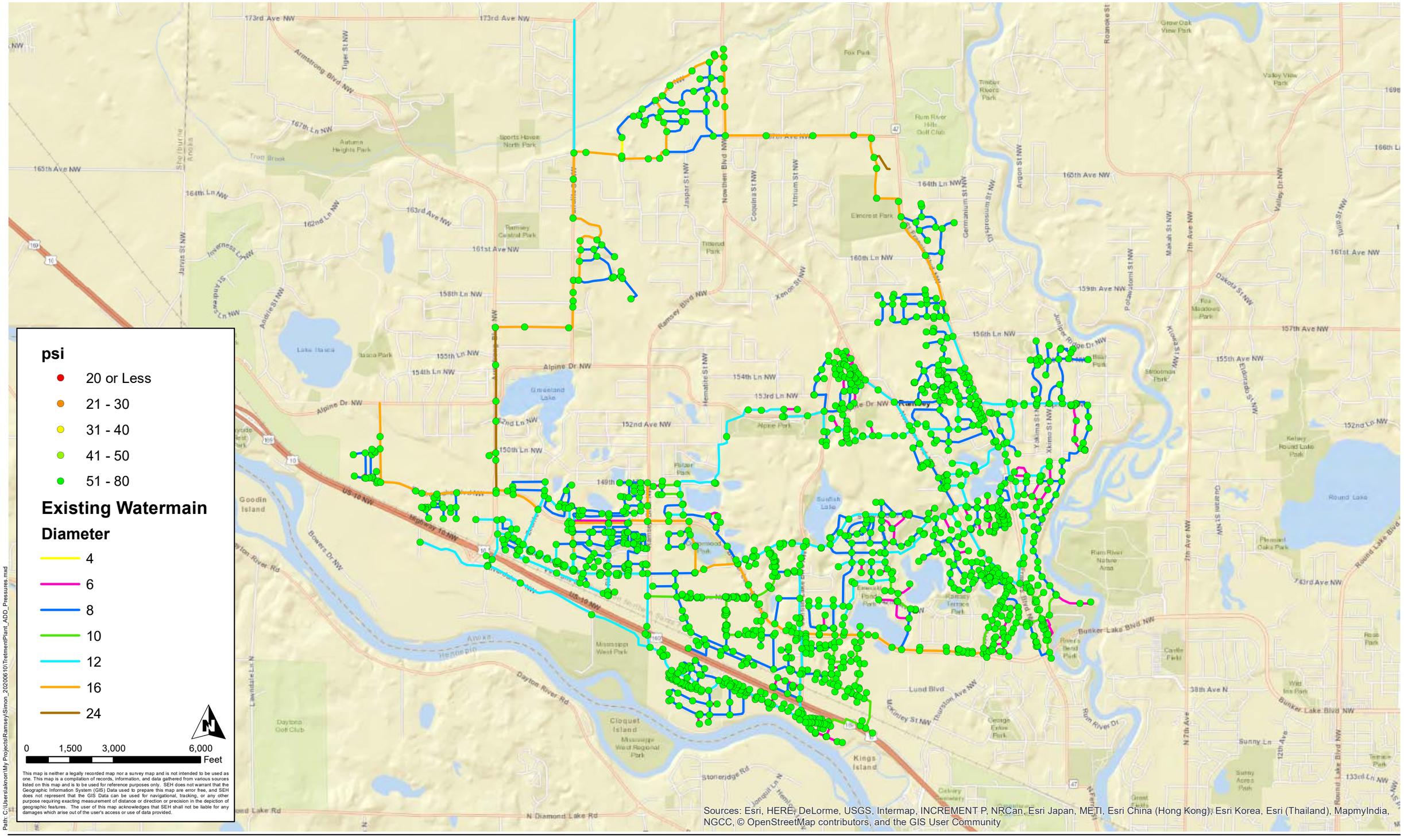


FIGURE 10

Existing System with Treatment Plan MDD 24-Hour Simulation

High Service Pump and Tower Operation

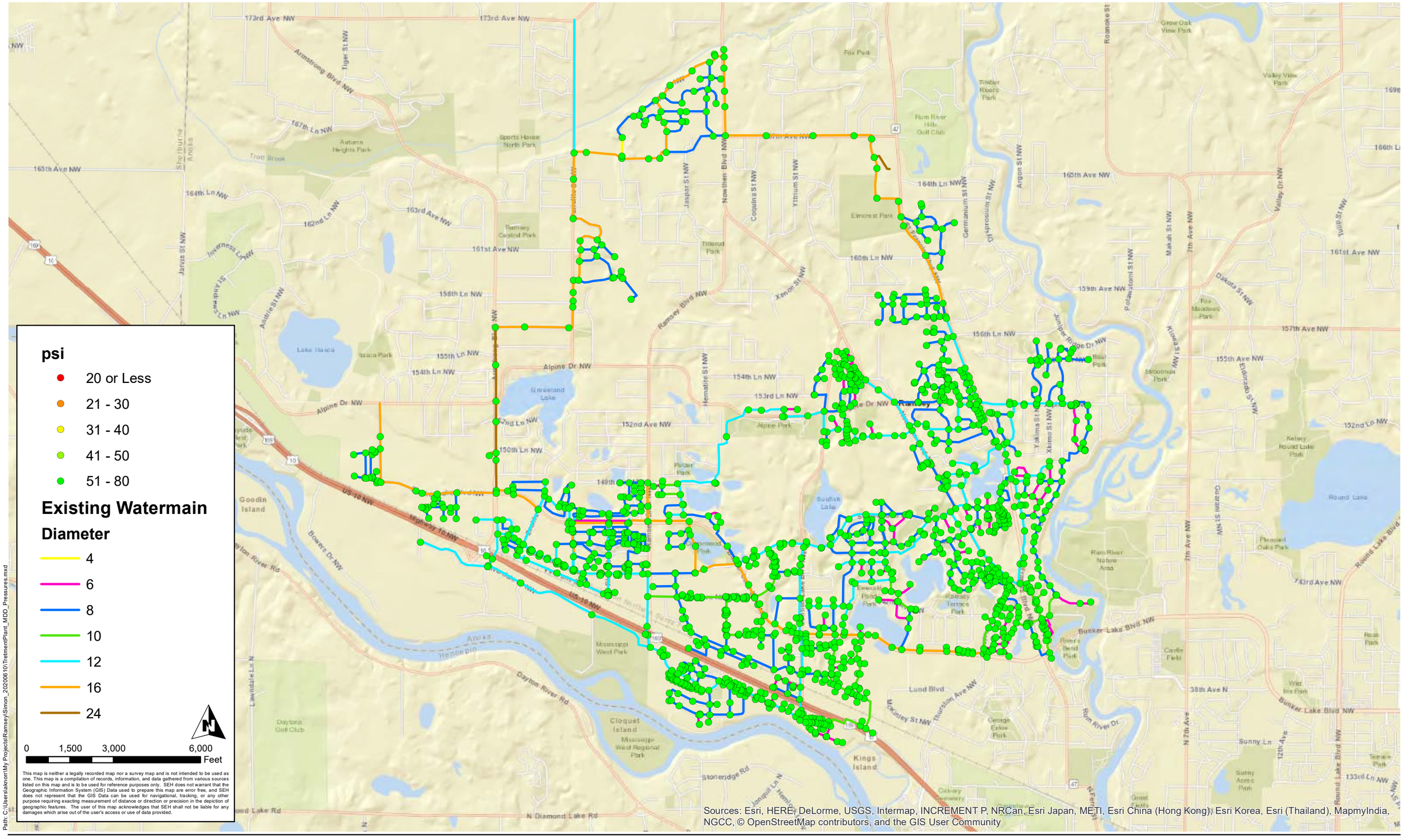




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TREATMENT PLANT WITH EXISTING ADD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

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

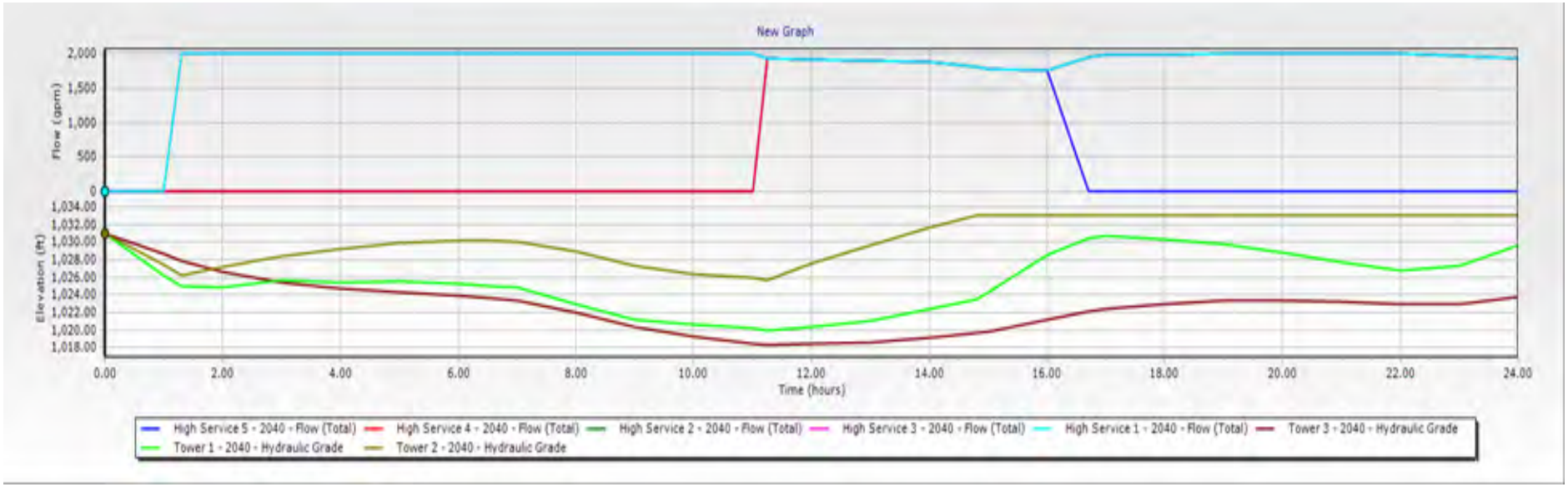
High Service Pump and Tower Operation



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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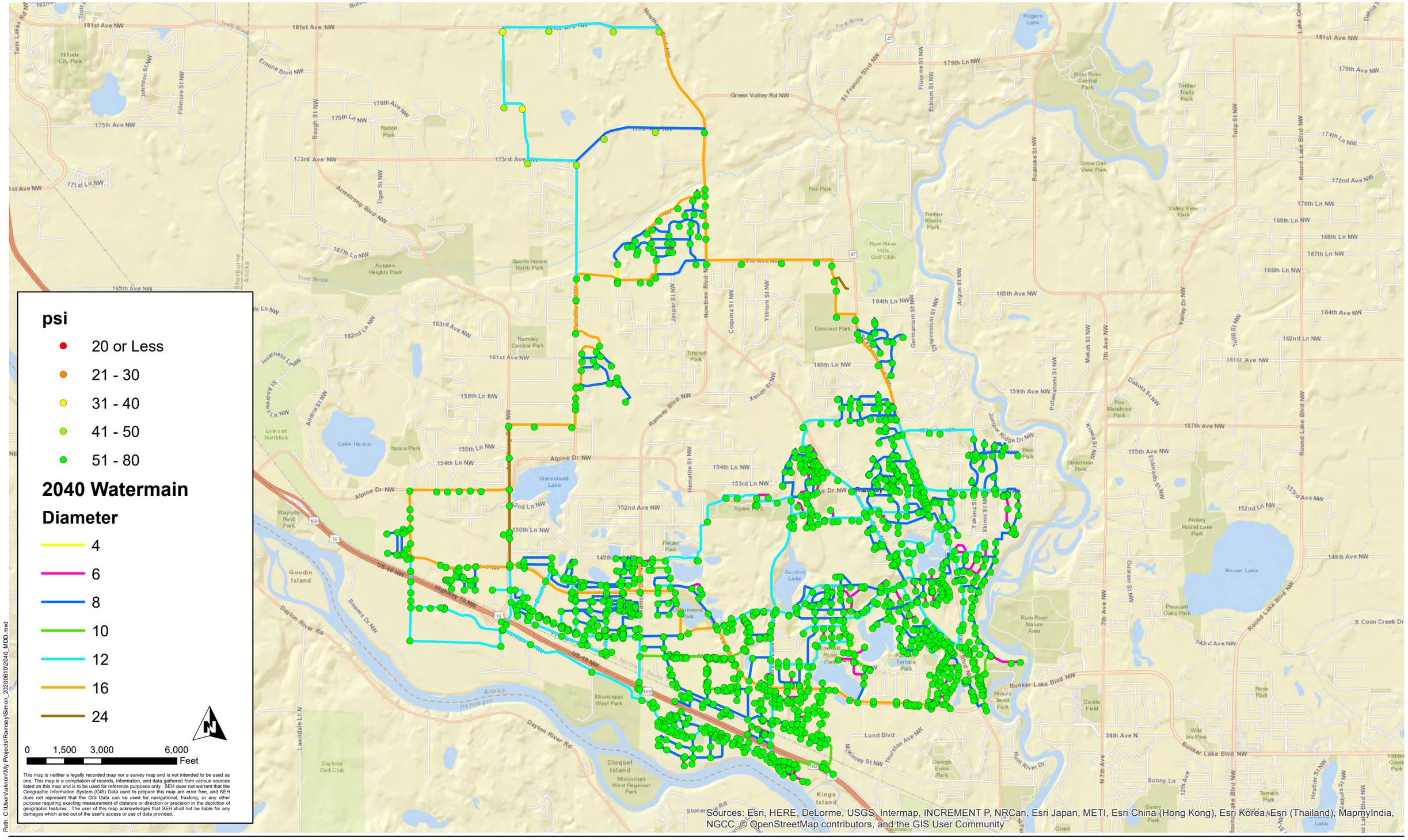
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2040 ADD 24 HOUR EPS MINIMUM PRESSURES
Ramsey, Minnesota

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

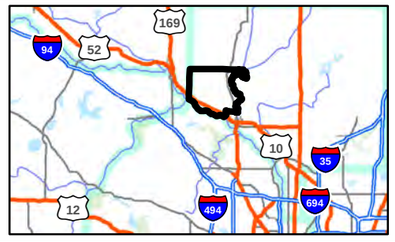
Groundwater Modeling Memo

Legend

- Municipal Well
- Municipal Watermain
- Municipality Boundary

0 1,500 3,000 6,000

Feet



Distribution System

Source Water Analysis
City of Ramsey
Minnesota

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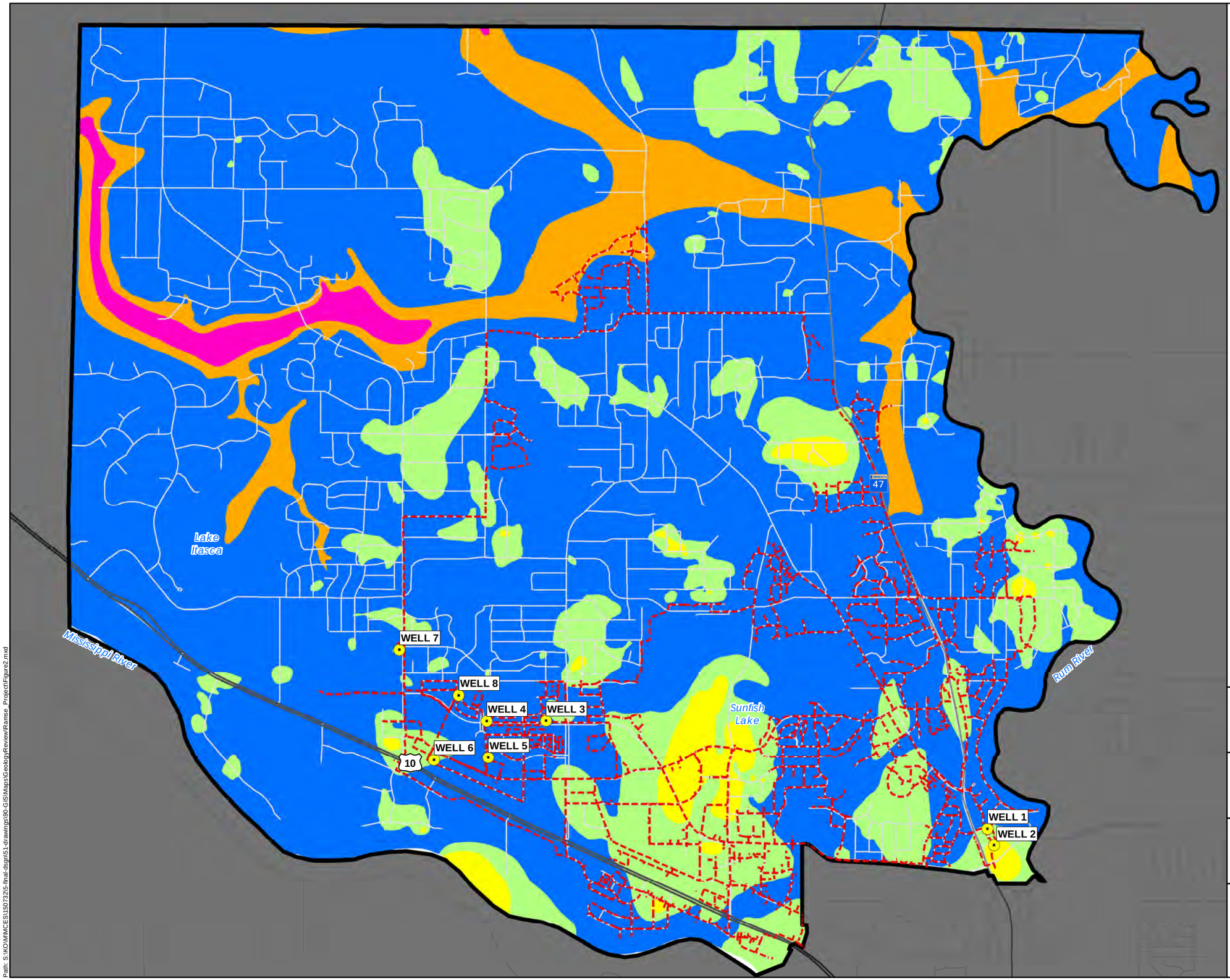
Project: MCES 150732

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-dsgn\51-drawings\90-GIS\Maps\Geobyb\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

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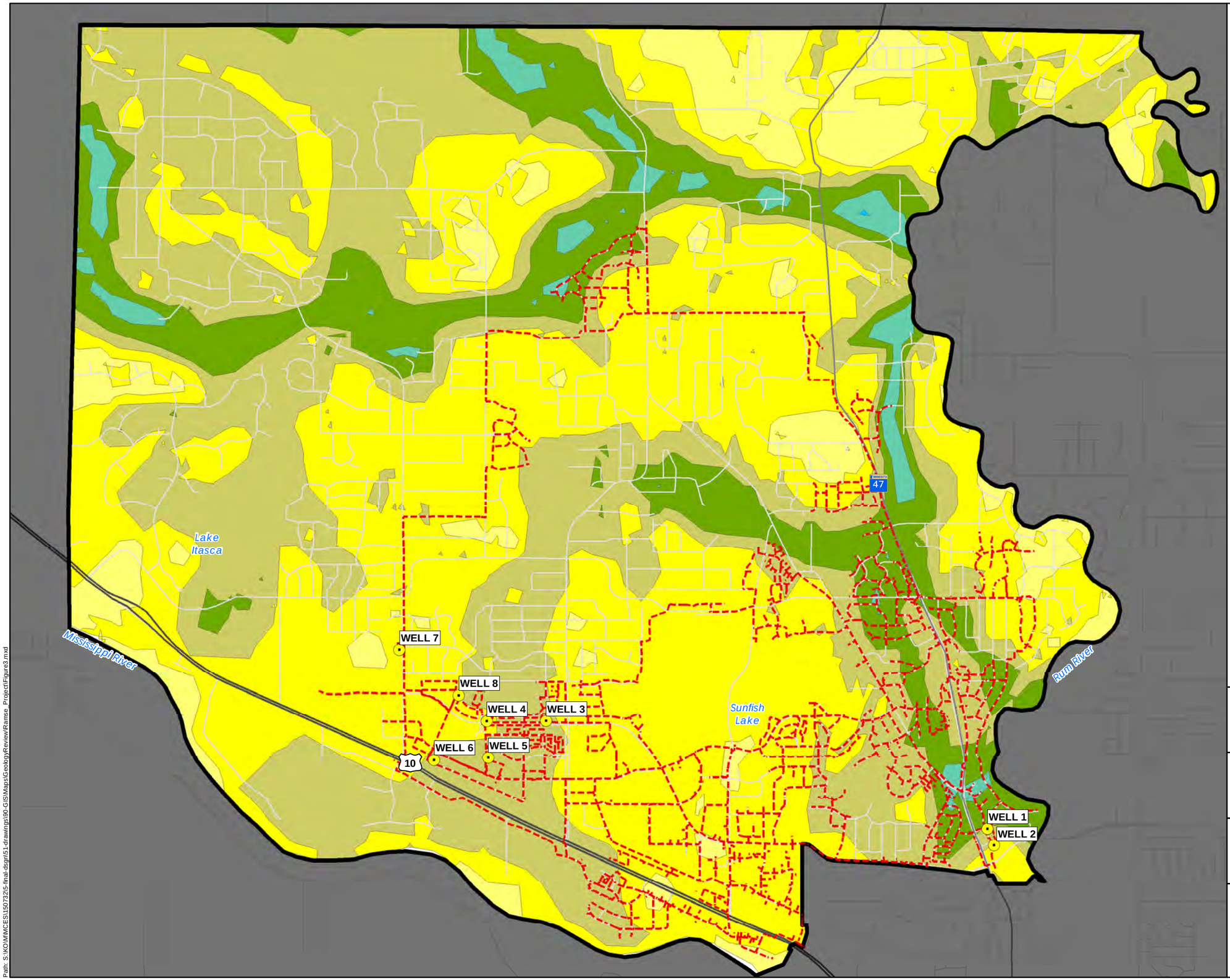
Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 2

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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

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SEH

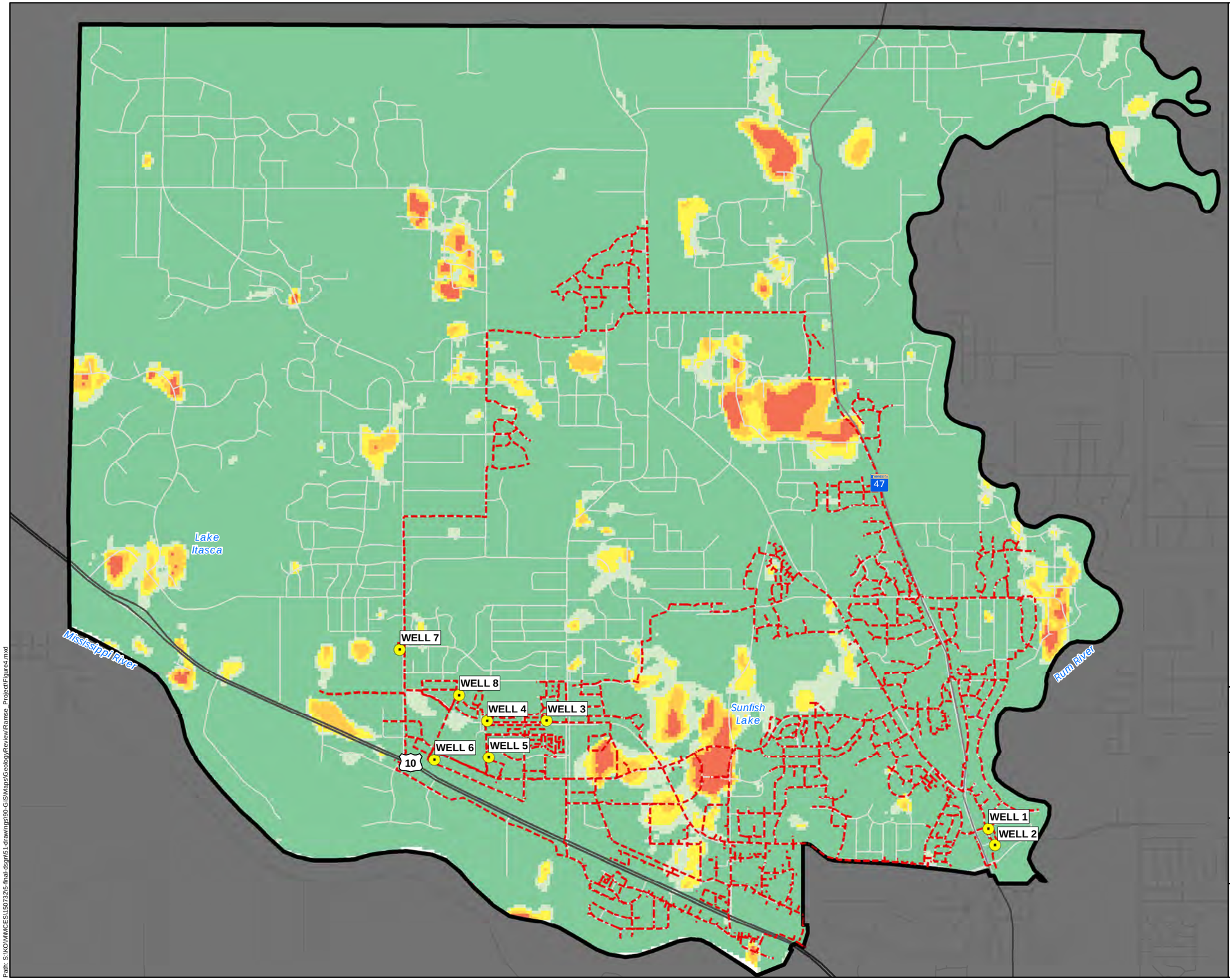
Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 3

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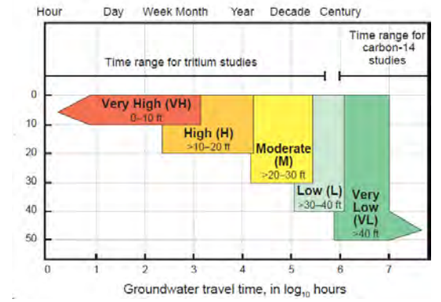


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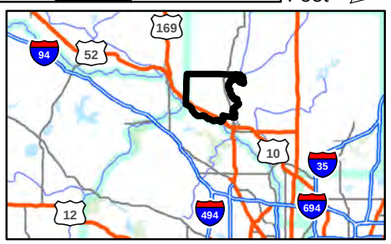
- Municipal Well
- Municipal Watermain
- Municipality Boundary

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

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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

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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

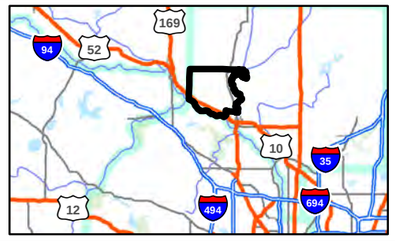
- Municipal Well
- Municipal Watermain
- Municipality Boundary

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

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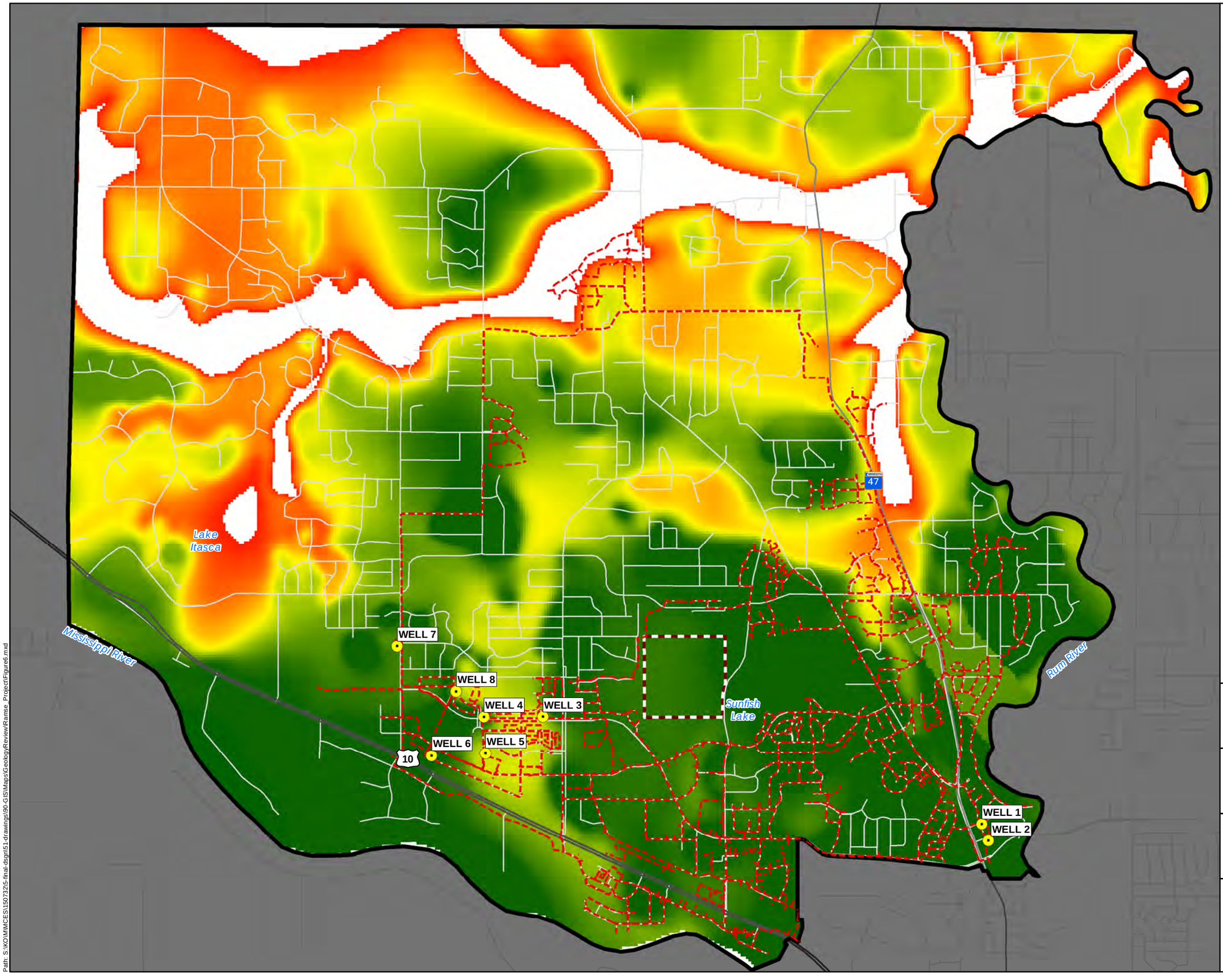
SEH

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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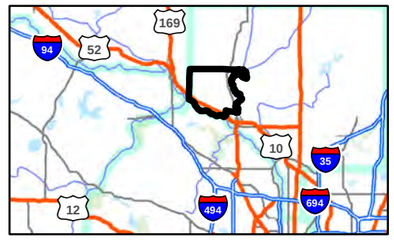
- Municipal Well
- Municipal Watermain
- Municipality Boundary
- Landfill Boundary

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

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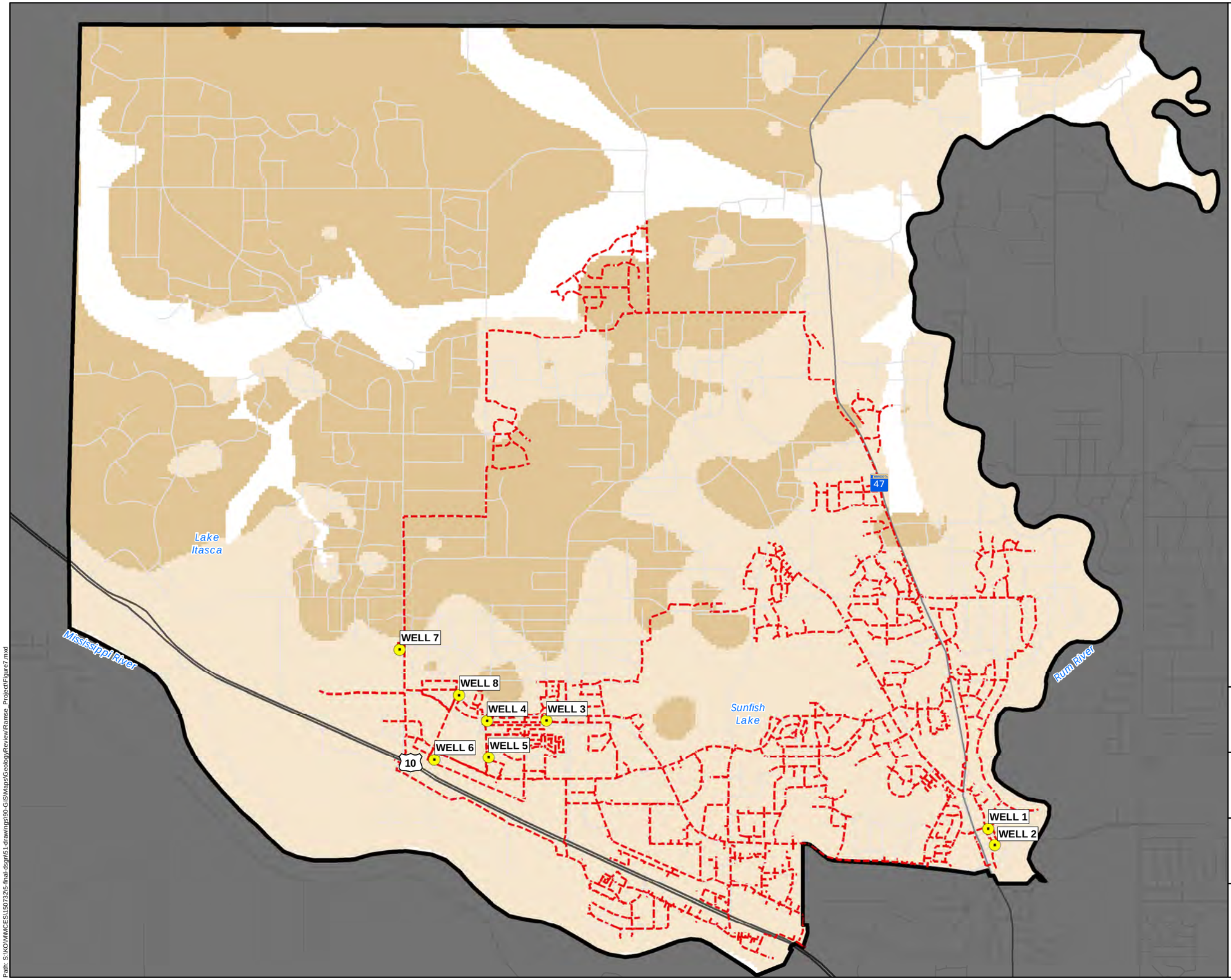
SEH

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

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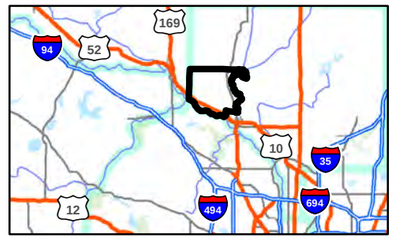
- Municipal Well
- Municipal Watermain
- Municipality Boundary

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

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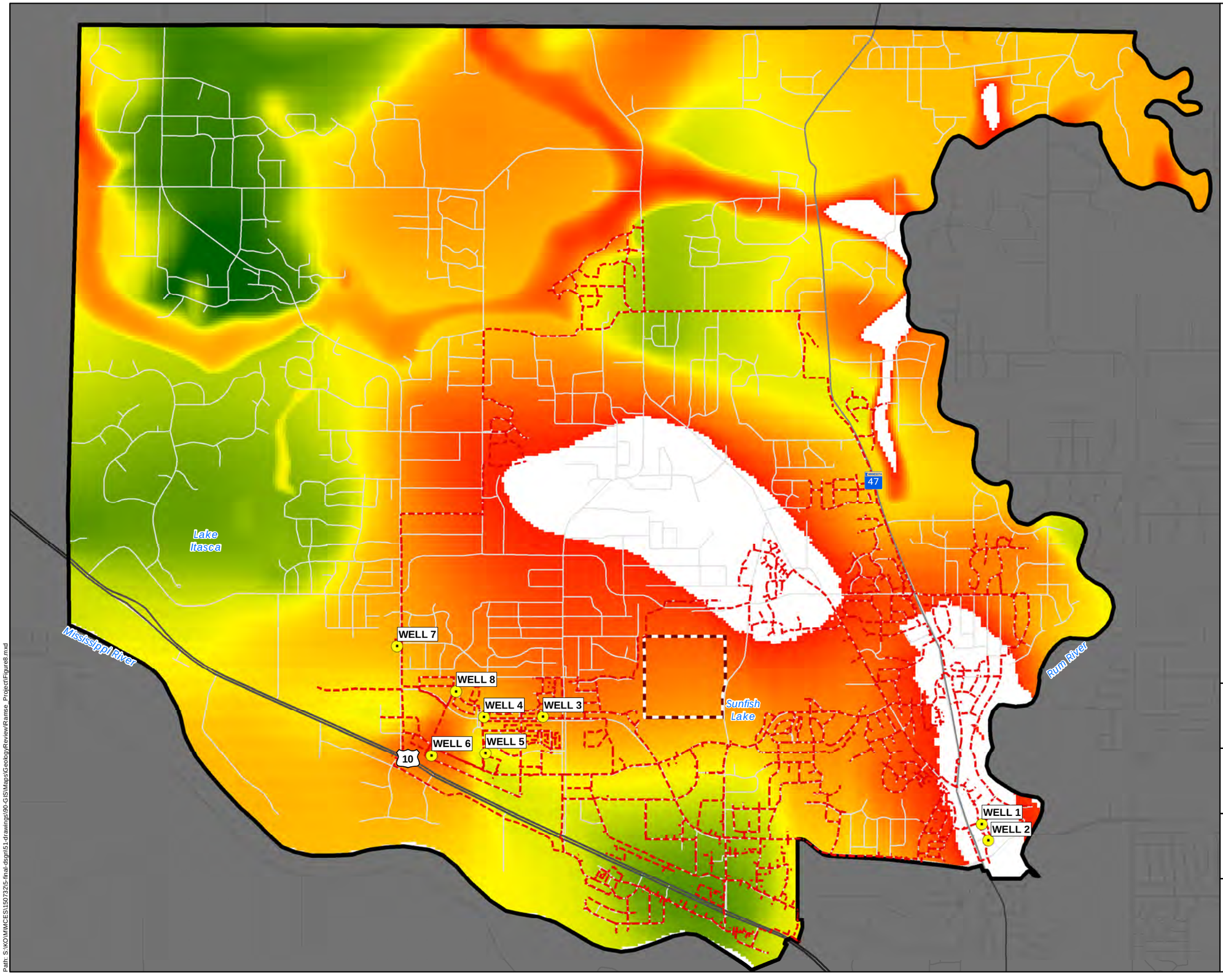
SEH

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:\KOM\MCES\150732\5-final-dsgn\51-drawings\90-GIS\Maps\GeobyrReview\Ramse - Project\Figure7.mxd



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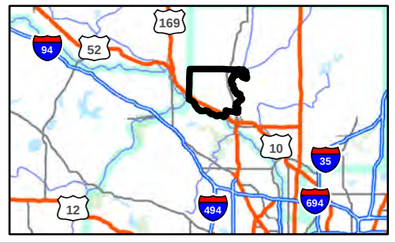
- Municipal Well
- Municipal Watermain
- Municipality Boundary
- Landfill Boundary

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

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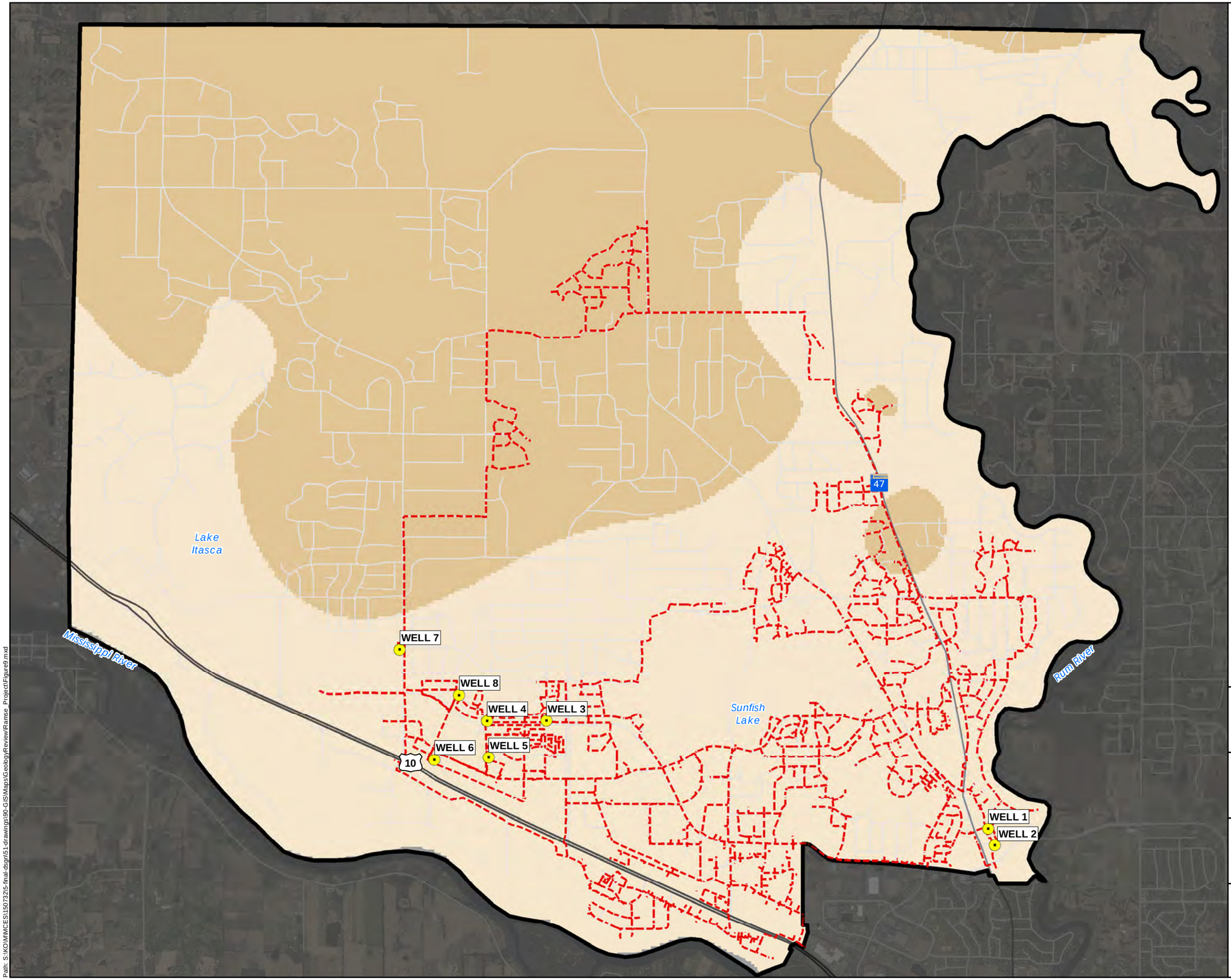
SEH

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Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 8

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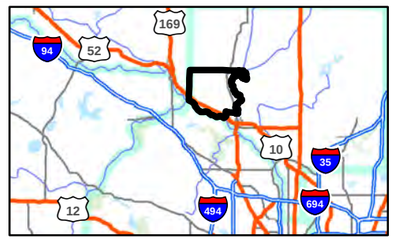
- Municipal Well
- Municipal Watermain
- Municipality Boundary

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

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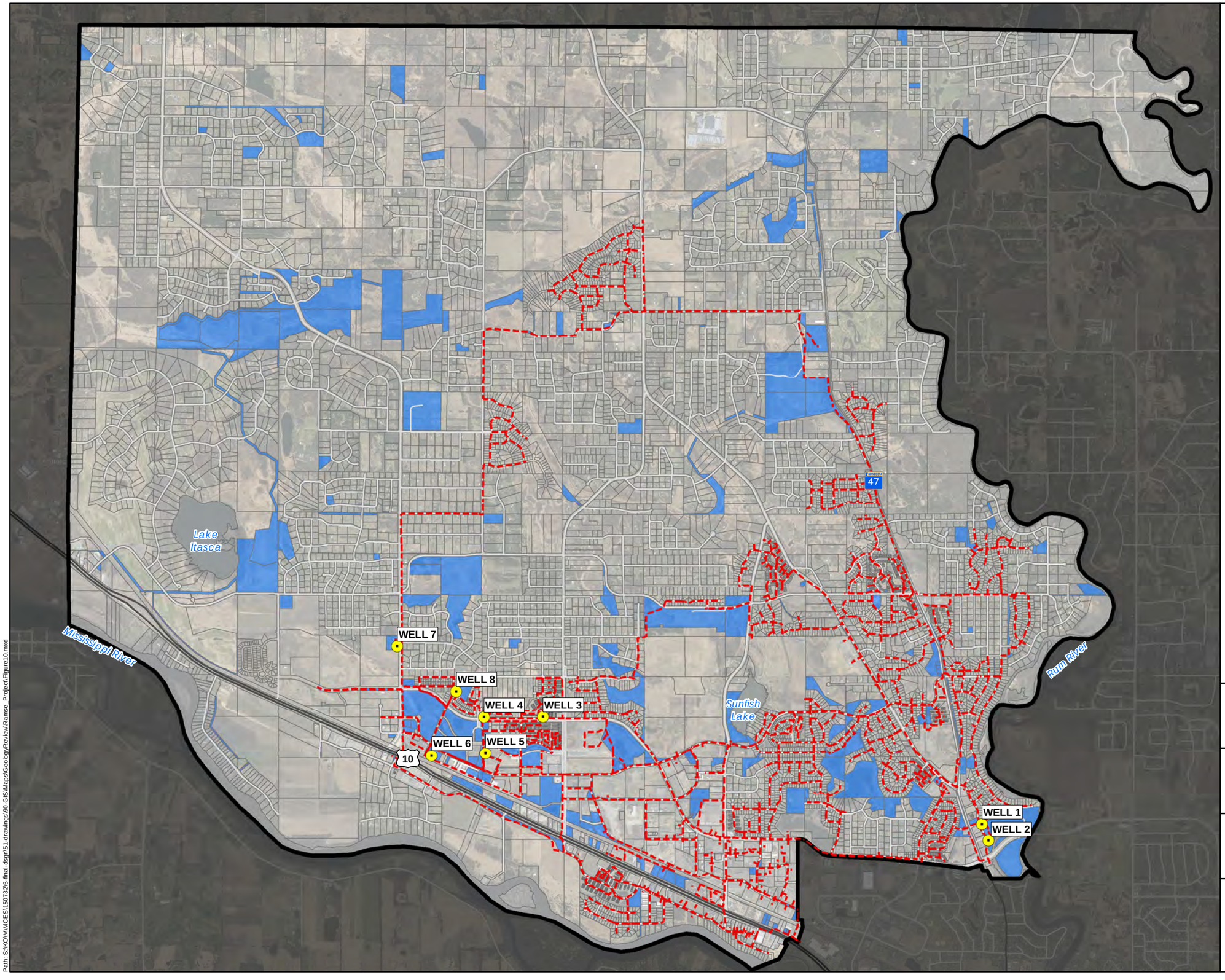
SEH

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

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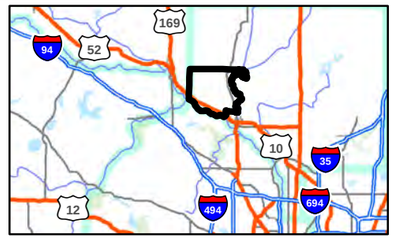


Legend

- 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

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SEH

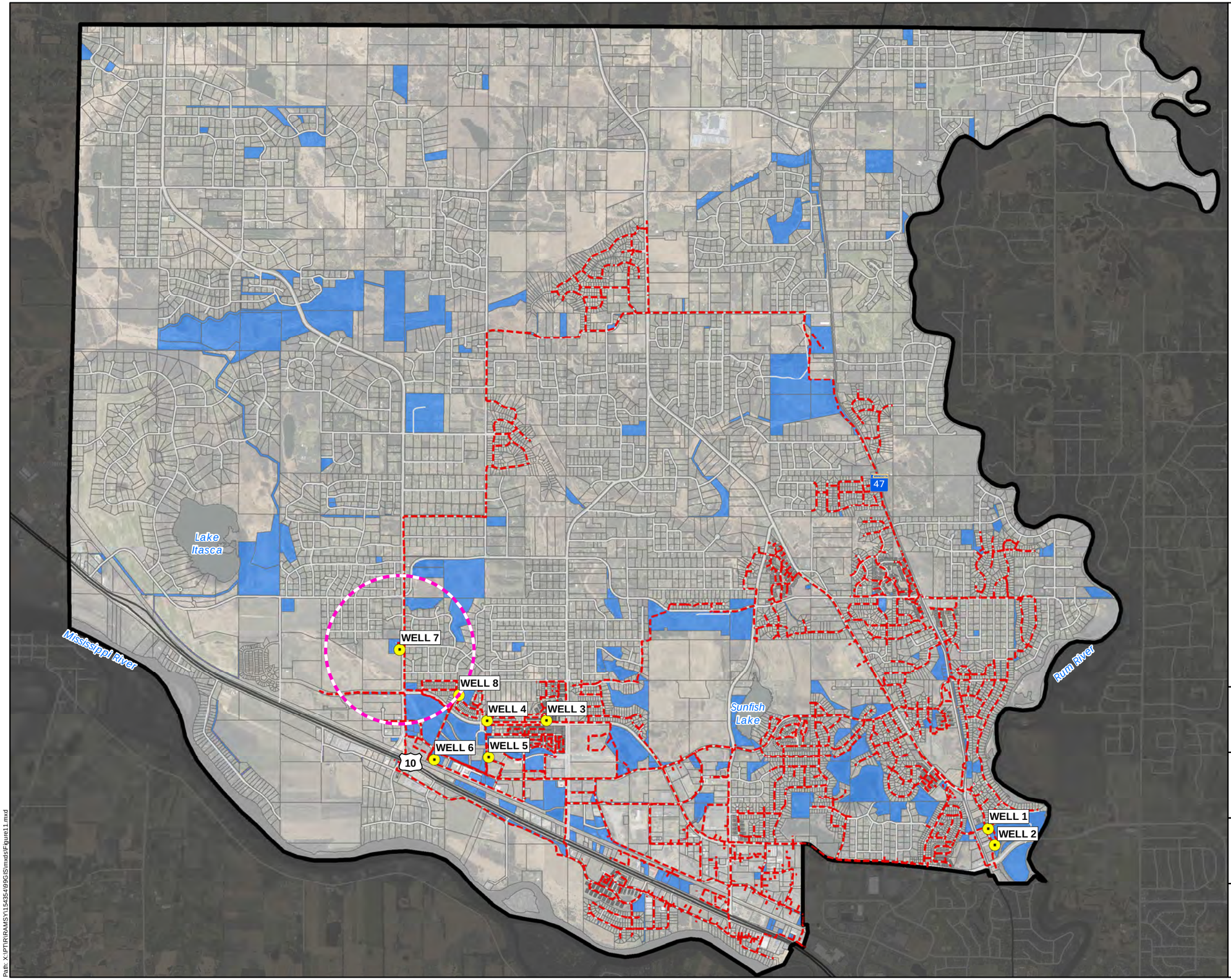
Project: MCES 150732

Print Date: 11/7/2019

Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 10

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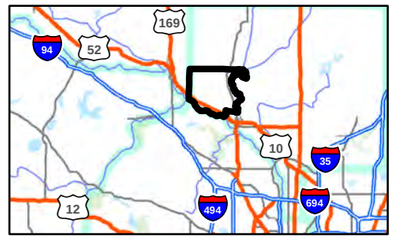


Legend

- 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

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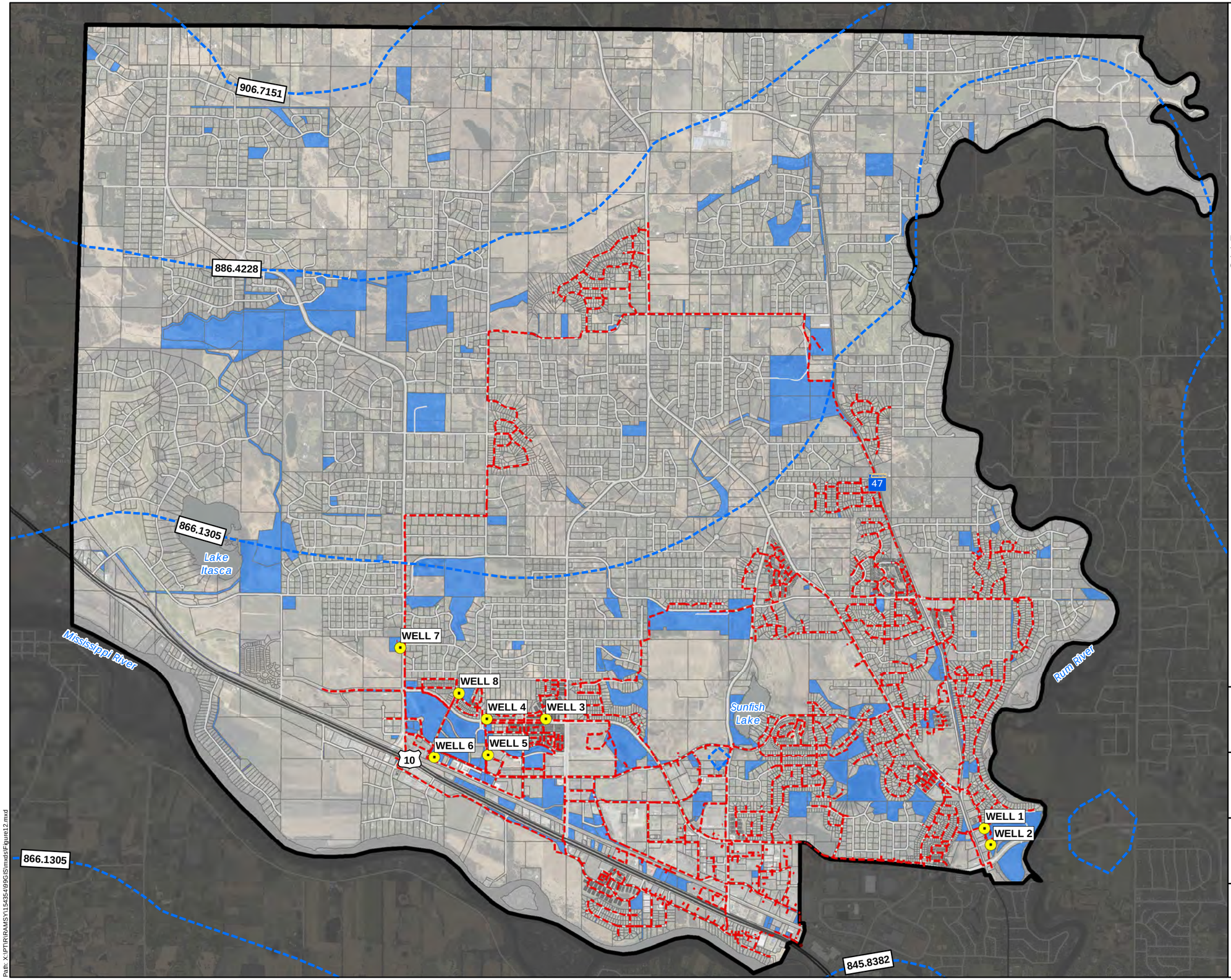
SEH

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 10

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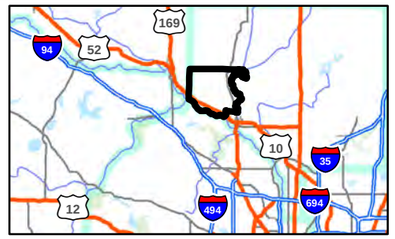


Legend

- 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

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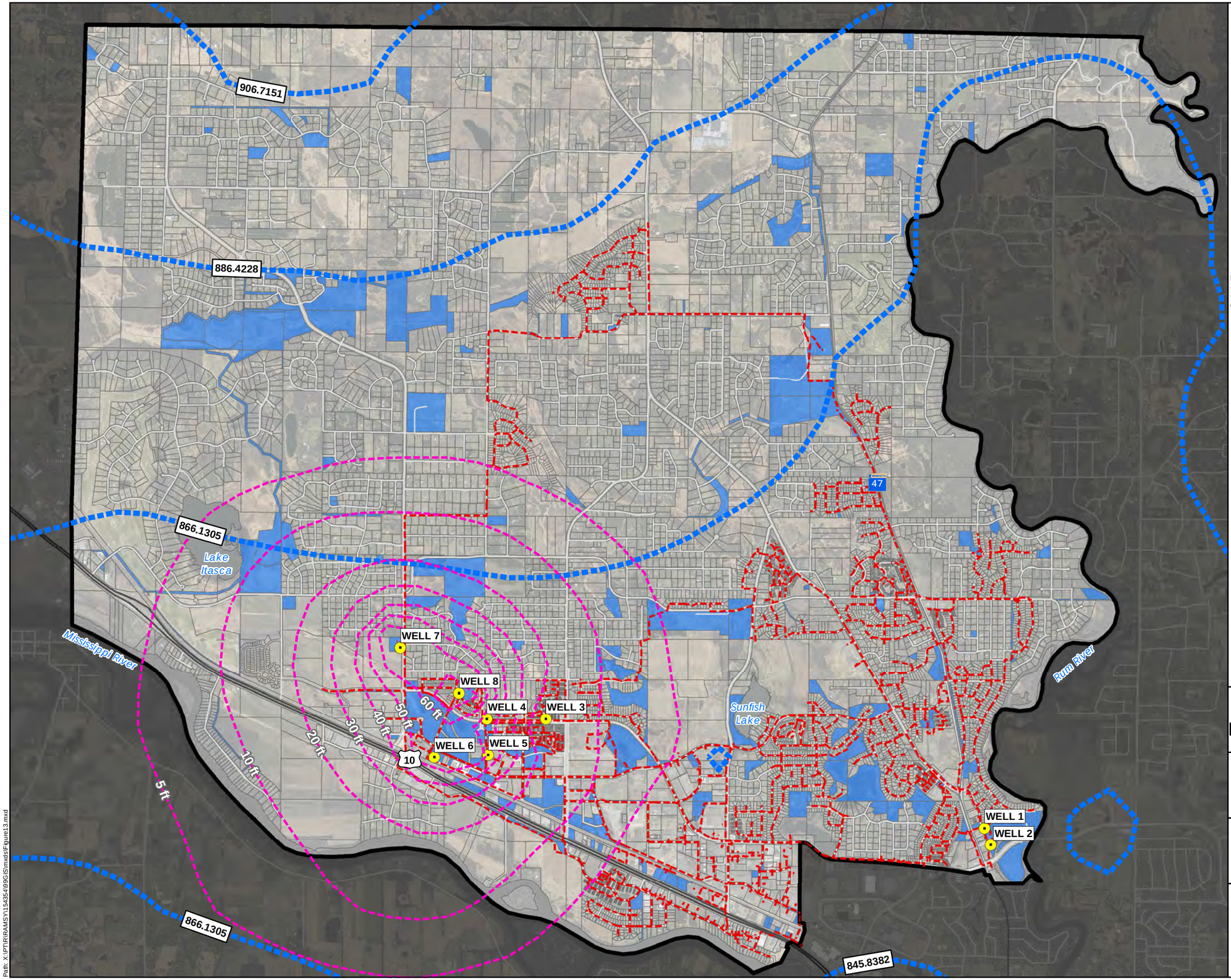
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Project: MCES 150732
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Map by: Msherrill
Projection: UTM Zone 15N
Source: ESRI, SEH Digi MnDOT, Minnesota Geologic Survey (MGS)

Figure 13

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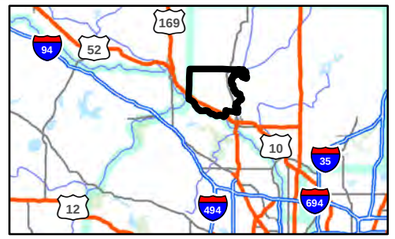


Legend

- 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

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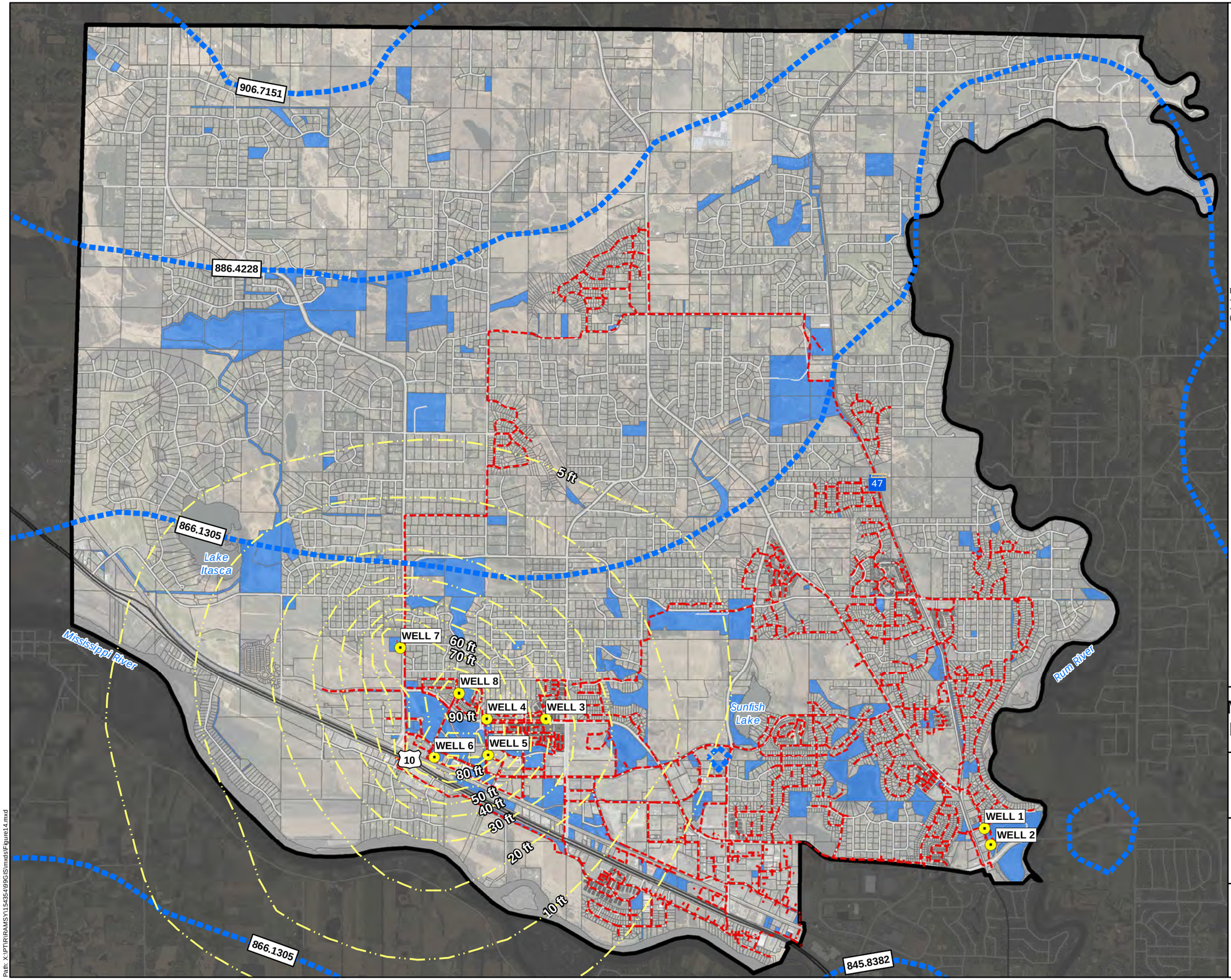
SEH

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

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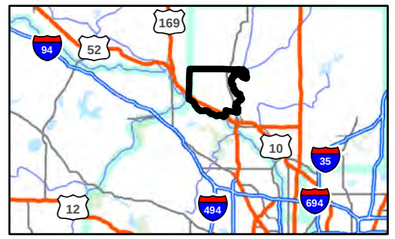


Legend

- 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

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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

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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

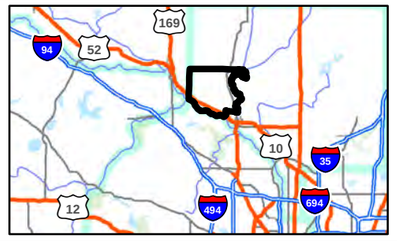
Potential Well Sites

- 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

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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

Building a Better World for All of Us®

Engineers | Architects | Planners | Scientists

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Certification Page
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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

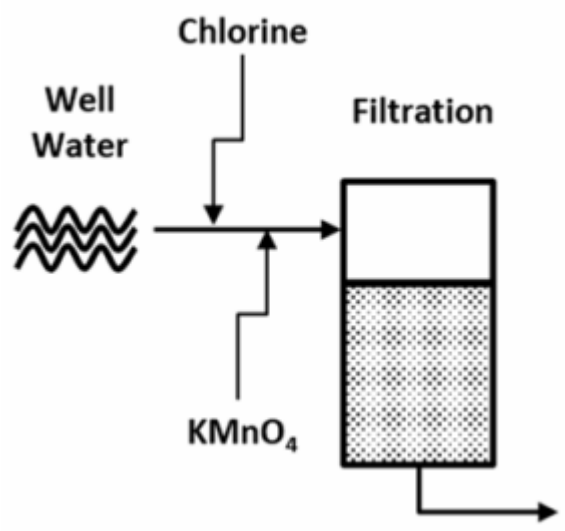
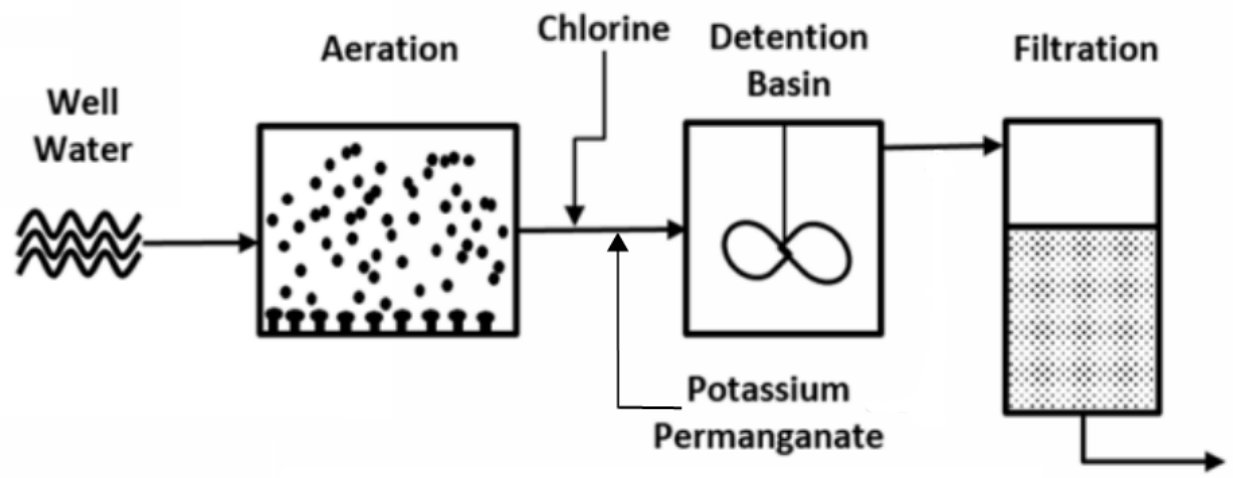


Figure 2 – Pilot Study Train 2



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

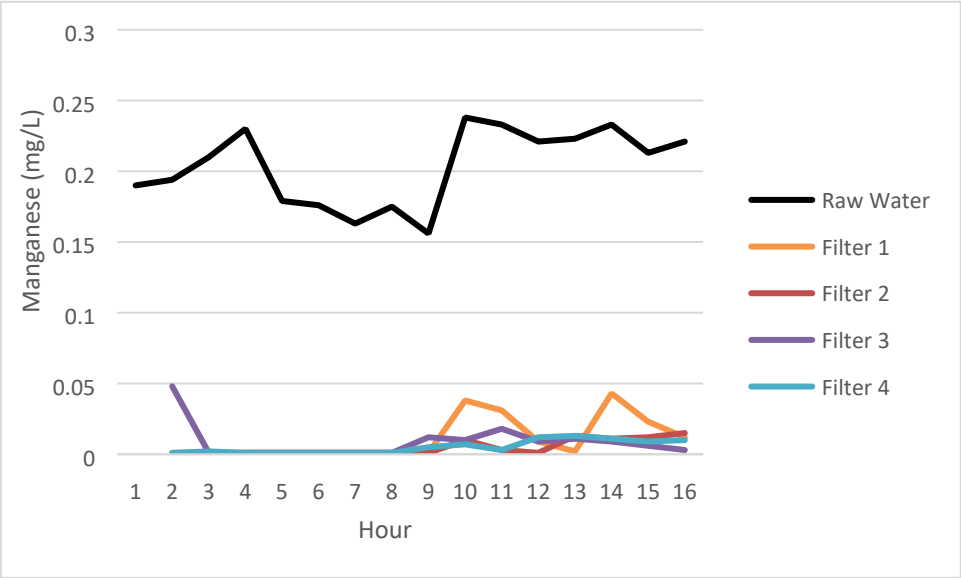


Figure 4 – Well #3 Iron Results

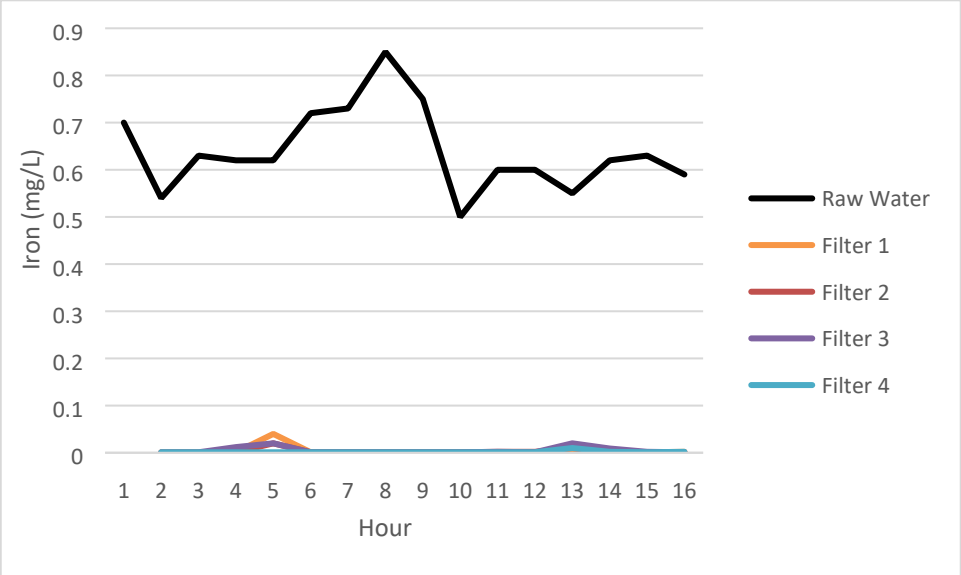


Figure 5 – Well #4 Manganese Results

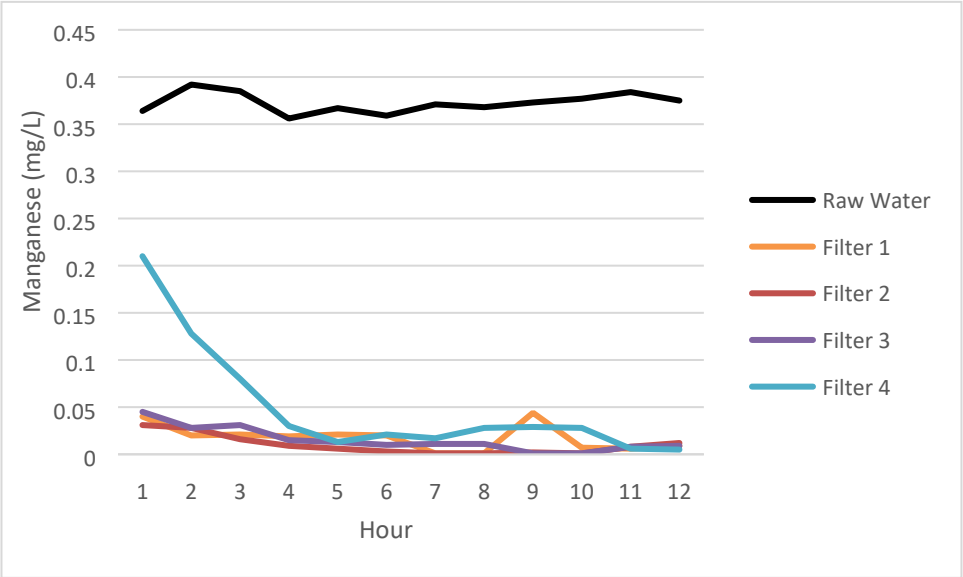
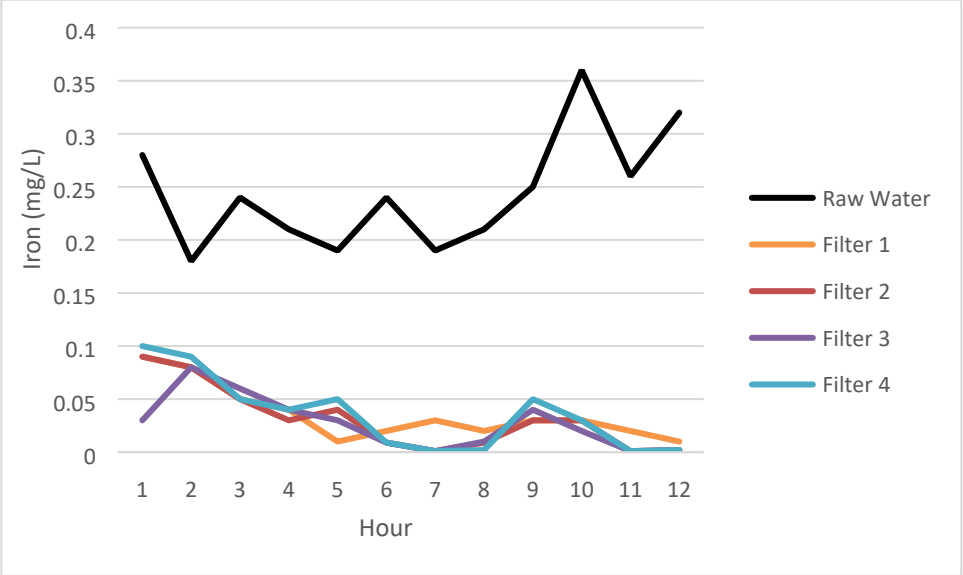


Figure 6 – Well #4 Iron Results



dmk



Building a Better World for All of Us®

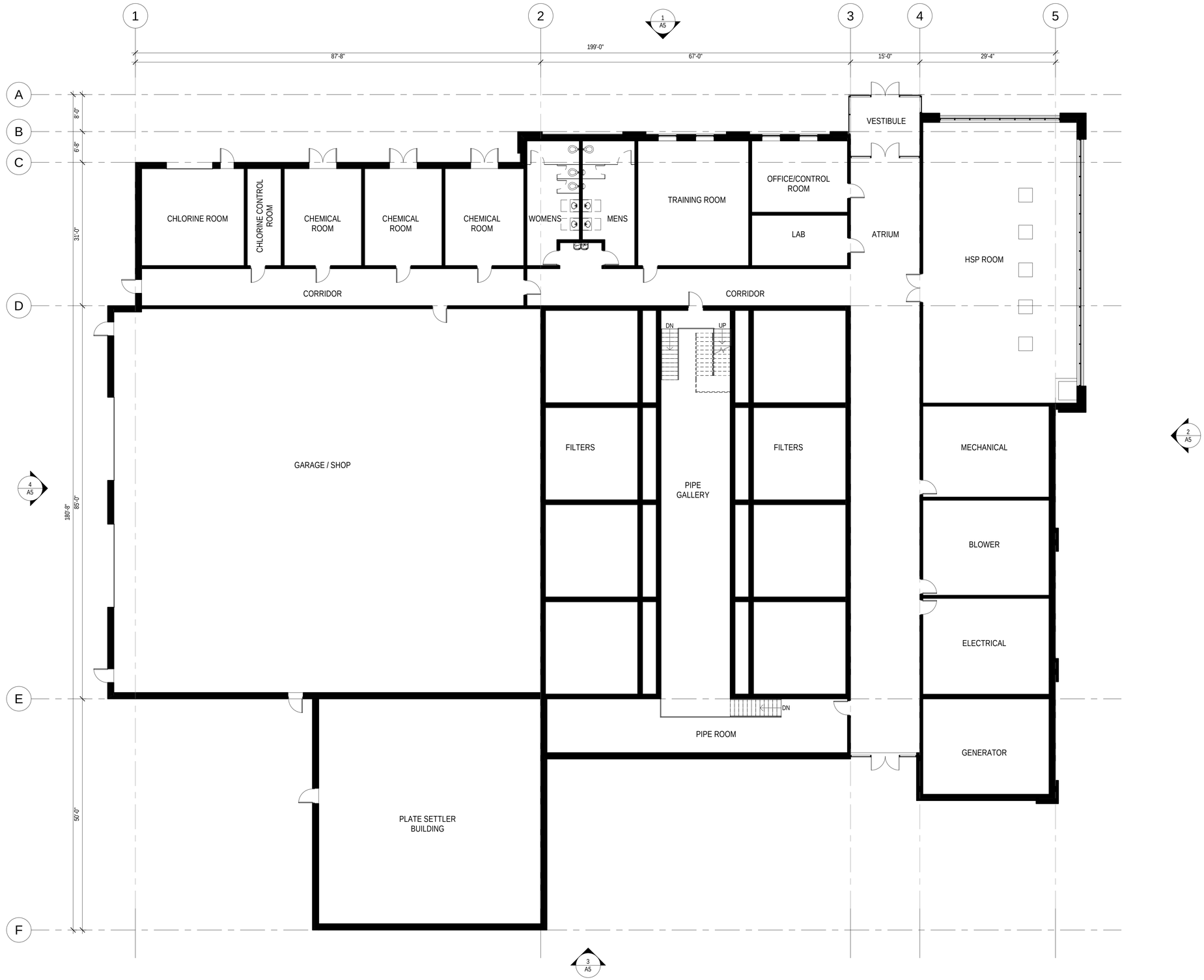
Sustainable buildings, sound infrastructure, safe transportation systems, clean water, renewable energy and a balanced environment. Building a Better World for All of Us communicates a company-wide commitment to act in the best interests of our clients and the world around us.

We're confident in our ability to balance these requirements.

Join Our Social Communities

Appendix F

Gravity Filter Layouts



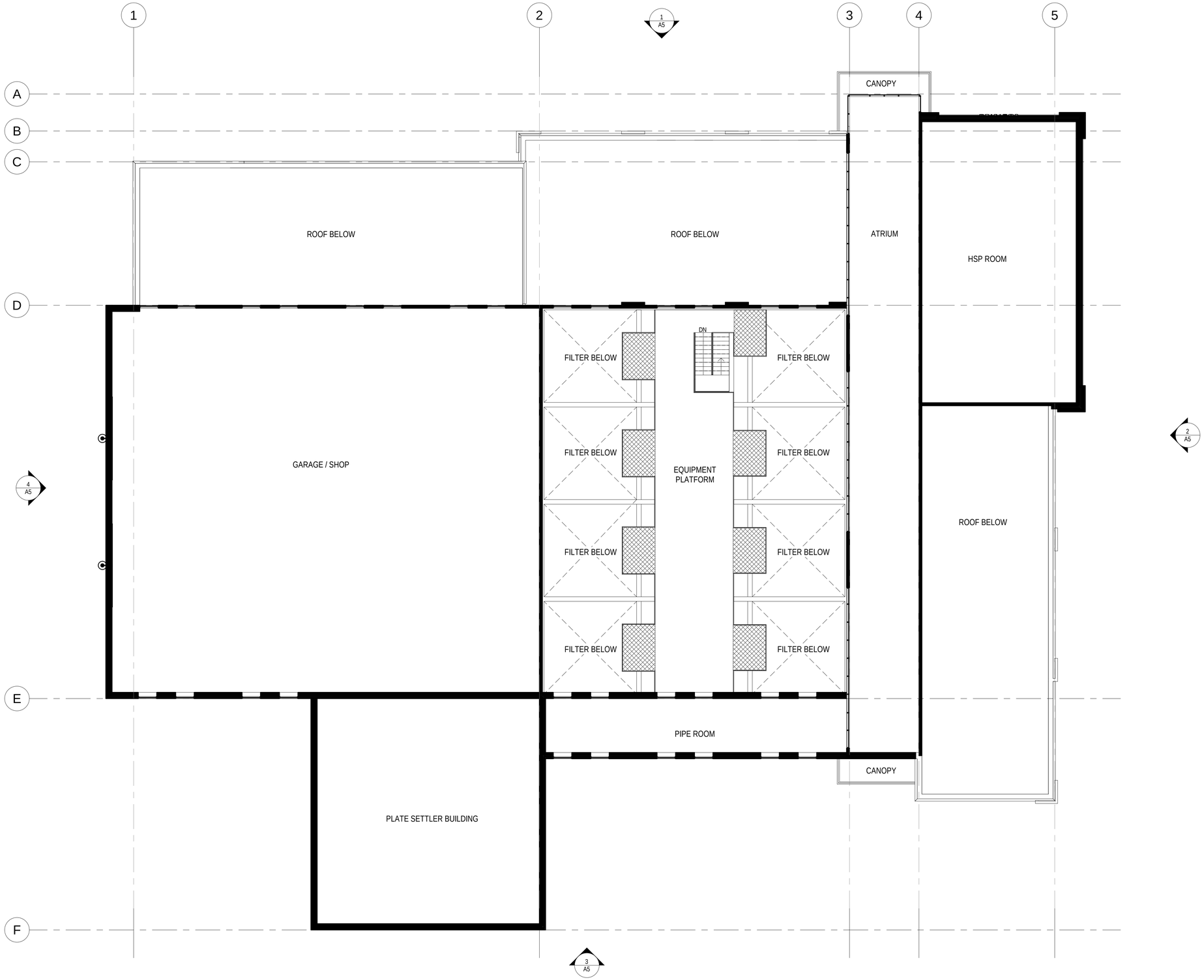
1 A3 MAIN LEVEL FLOOR PLAN - ALTERNATIVE 1 - WITH GARAGE

3/32" = 1'-0"

SEH

WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| MAIN LEVEL FLOOR PLAN | RAMSEY, MN | 06/2020 |



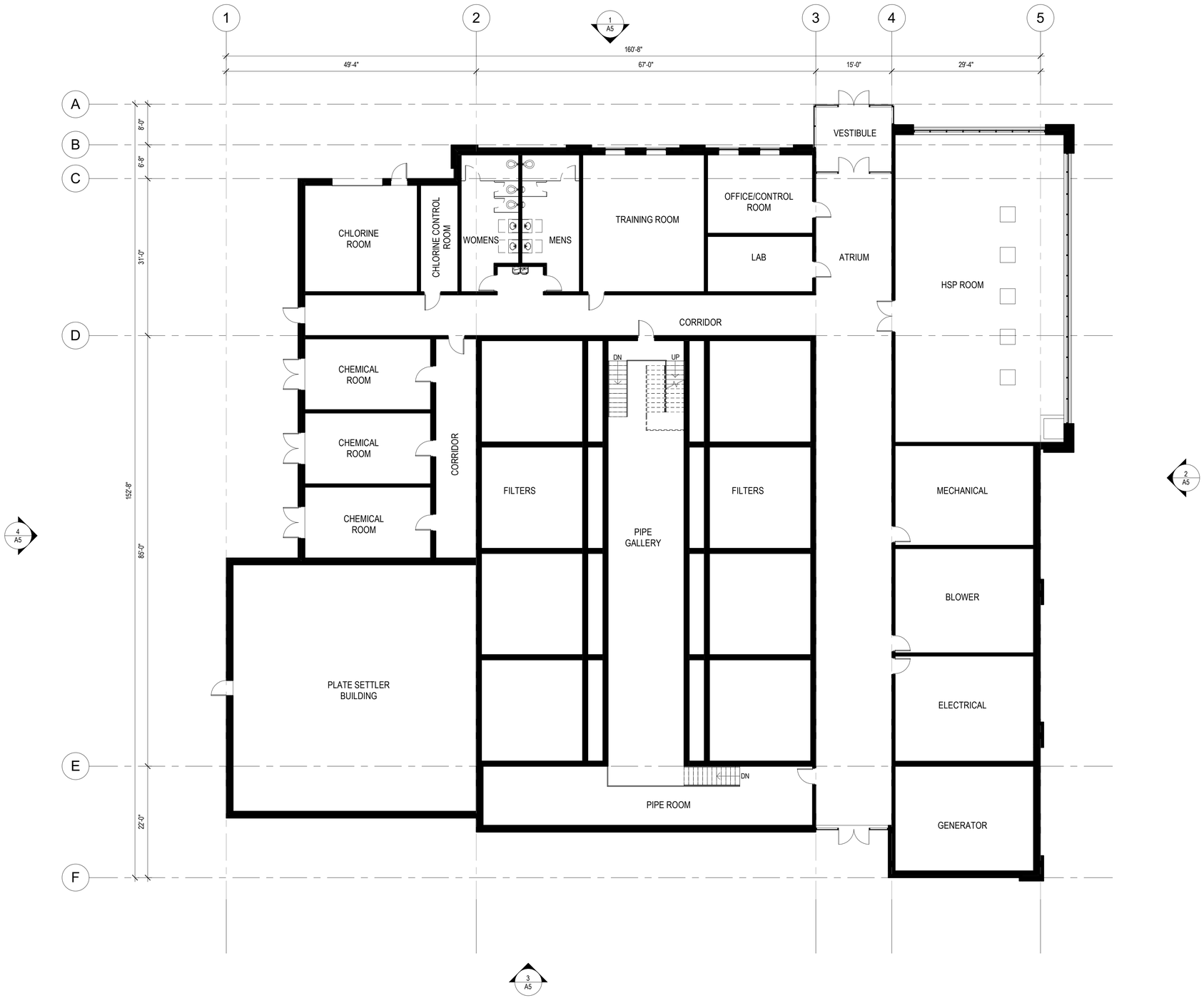
1 A4 UPPER LEVEL FLOOR PLAN - ALTERNATIVE 1 - WITH GARAGE

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 |



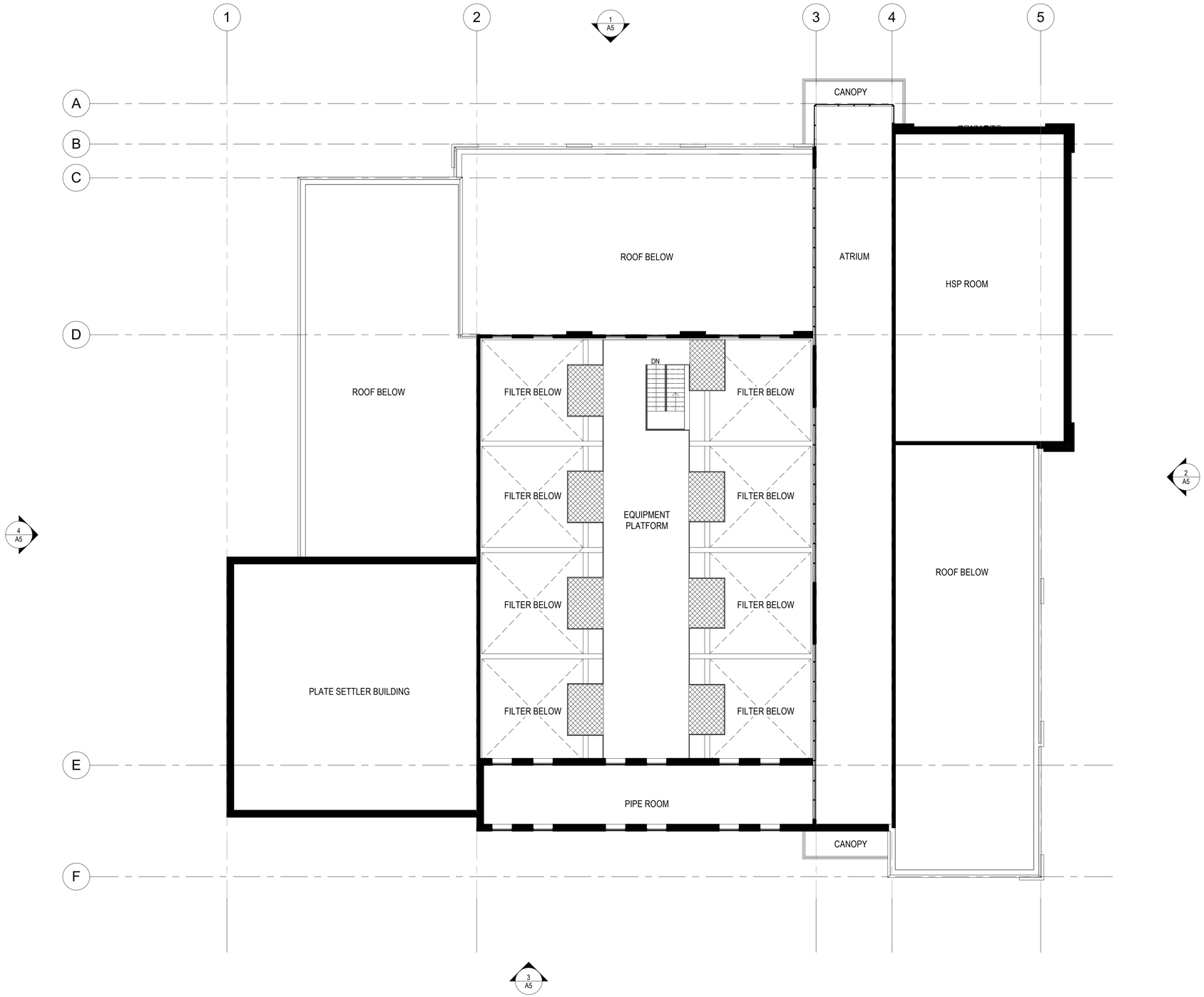
1 A3 MAIN LEVEL FLOOR PLAN - ALTERNATIVE 1 - NO GARAGE

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

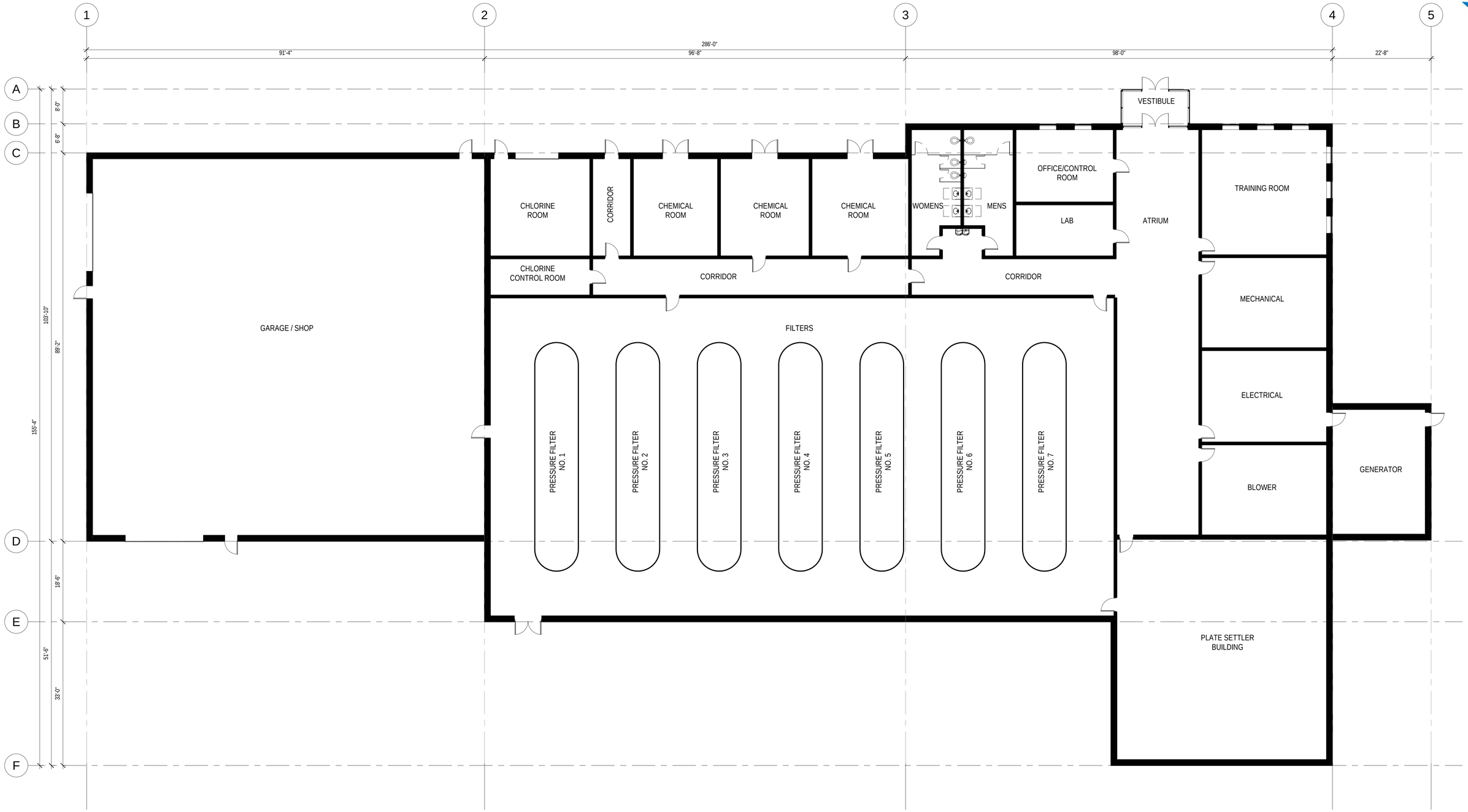
3/32" = 1'-0"

SEH

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

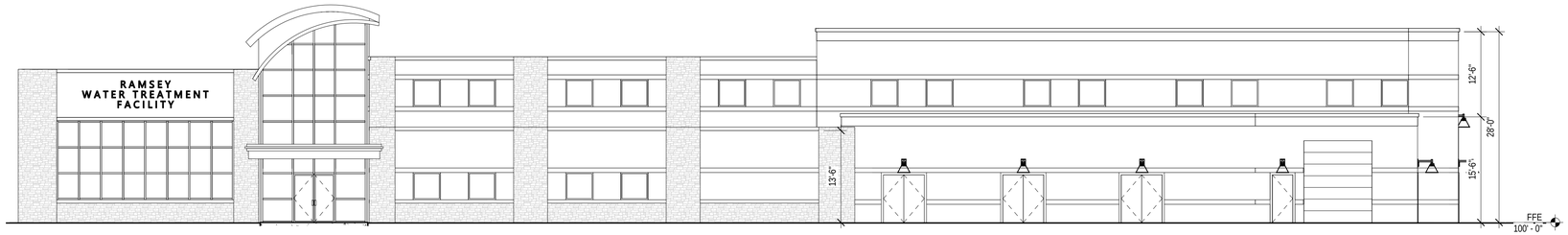


1
A1 EXTERIOR RENDERING - ALTERNATIVE 1

1
A2 EXTERIOR RENDERING - ALTERNATIVE 1

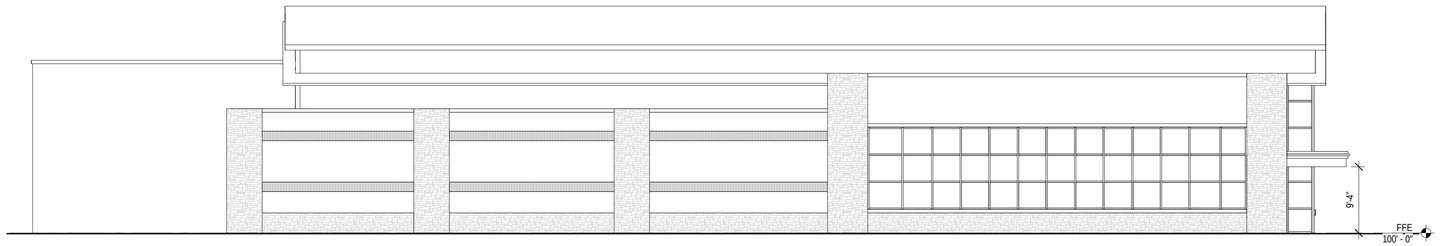
WTP FEASIBILITY REPORT FOR RAMSEY, MINNESOTA - ALTERNATIVE 1 - GRAVITY FILTER WATER TREATMENT PLANT

| EXTERIOR RENDERING | RAMSEY, MN | 06/2020 |



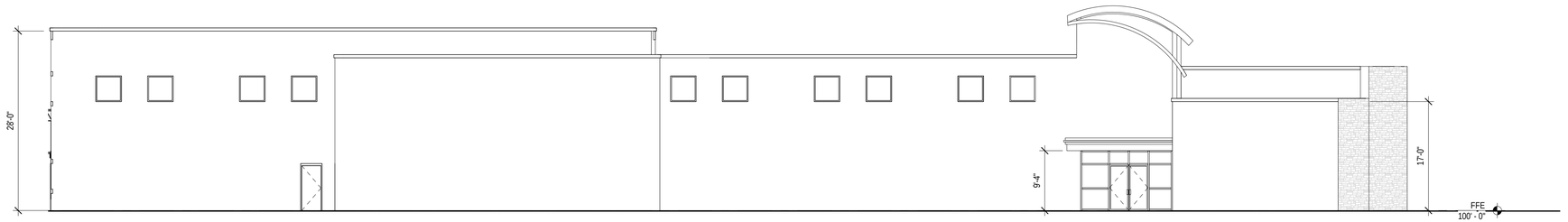
1 / A5 EXTERIOR ELEVATION - FRONT - ALTERNATIVE 1

3/32" = 1'-0"



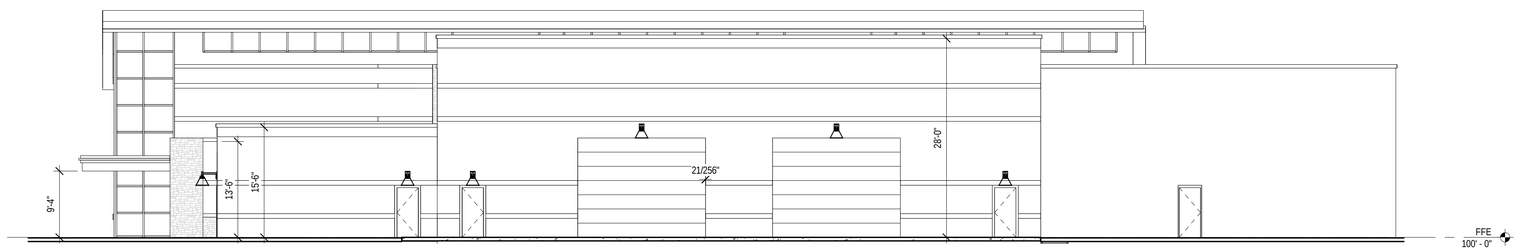
2 / A5 EXTERIOR ELEVATION - LEFT - ALTERNATIVE 1

3/32" = 1'-0"



3 / A5 EXTERIOR ELEVATION - BACK - ALTERNATIVE 1

3/32" = 1'-0"



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

Fire Station Site
3.2 Acres

Water Shop Site
3.5 Acres

Vacant City Property Site
4.1 Acres

Public Works Site
3.5 Acres

Sources: Esri, HERE, DeLorme, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), MapmyIndia, NGCC, © OpenStreetMap contributors, and the GIS User Community

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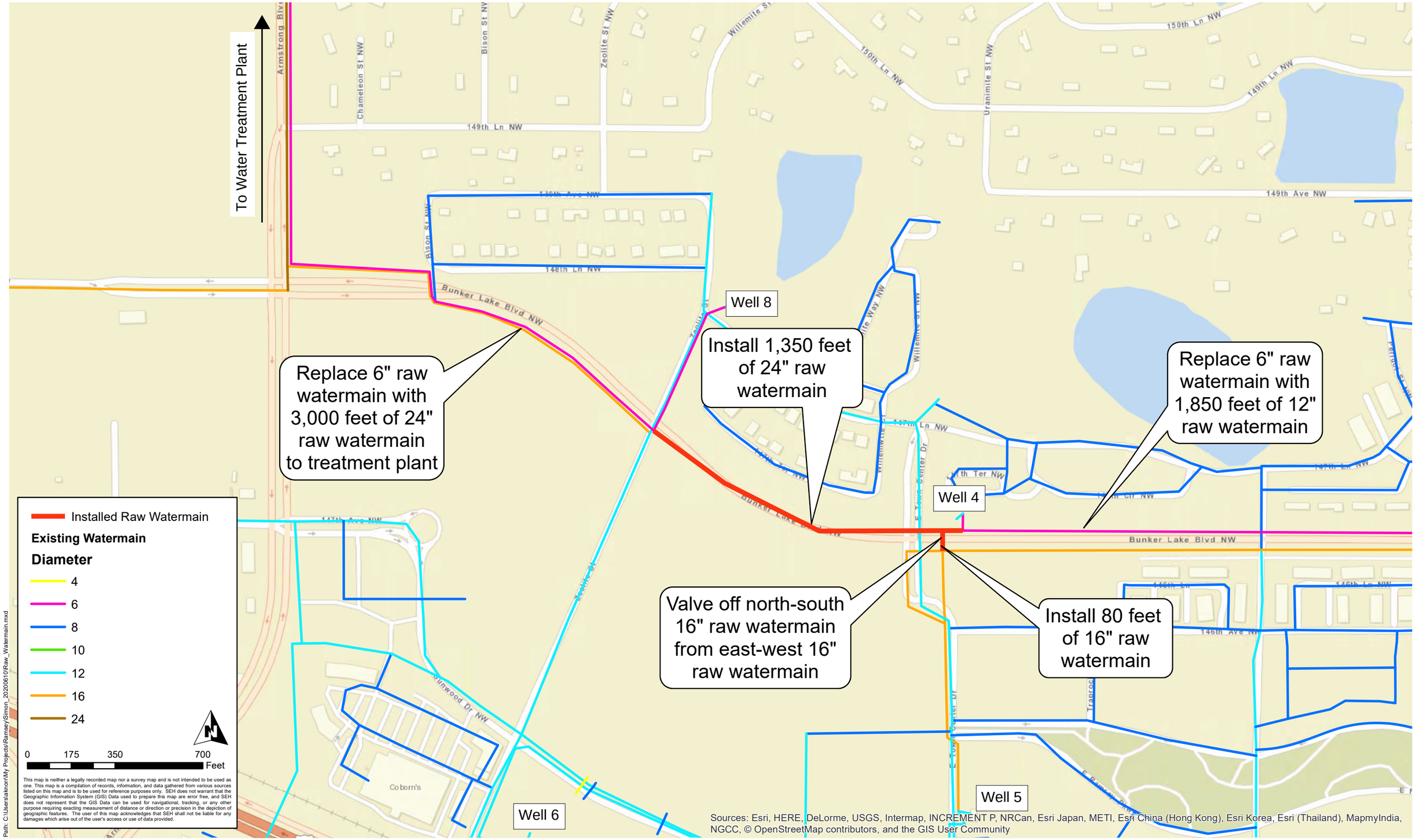
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WTP SITE ALTERNATIVES

Ramey, Minnesota

Figure
1

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Project Number: RAMSY 154354
Print Date: Print Date: 6/16/2020

RAW WATERMAIN - FIRE STATION SITE

Ramsey, Minnesota

Figure 2
Raw Watermain

Well 7

Existing 6" Raw Watermain

Install 150 Feet of 16" Raw Watermain for Future Wells

Install 1,700 Feet of 16" Raw Watermain

Well 8

Existing 6" Raw Watermain

Existing 6" Raw Watermain

Install 7,700 Feet of 24" Raw Watermain for Future Public Works Site

Install 1,300 Feet of 20" Raw Watermain

Well 4

Well 3

Existing 16" Raw Watermain

Replace 3,800 feet (entire 143rd Ave NW stretch) of Existing 10" Finished Watermain with 24" Finished Watermain

Well 5

Well 6

Existing 12" Raw Watermain

Water Shop Site

Vacant Property Site

Public Works Site

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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



SEH

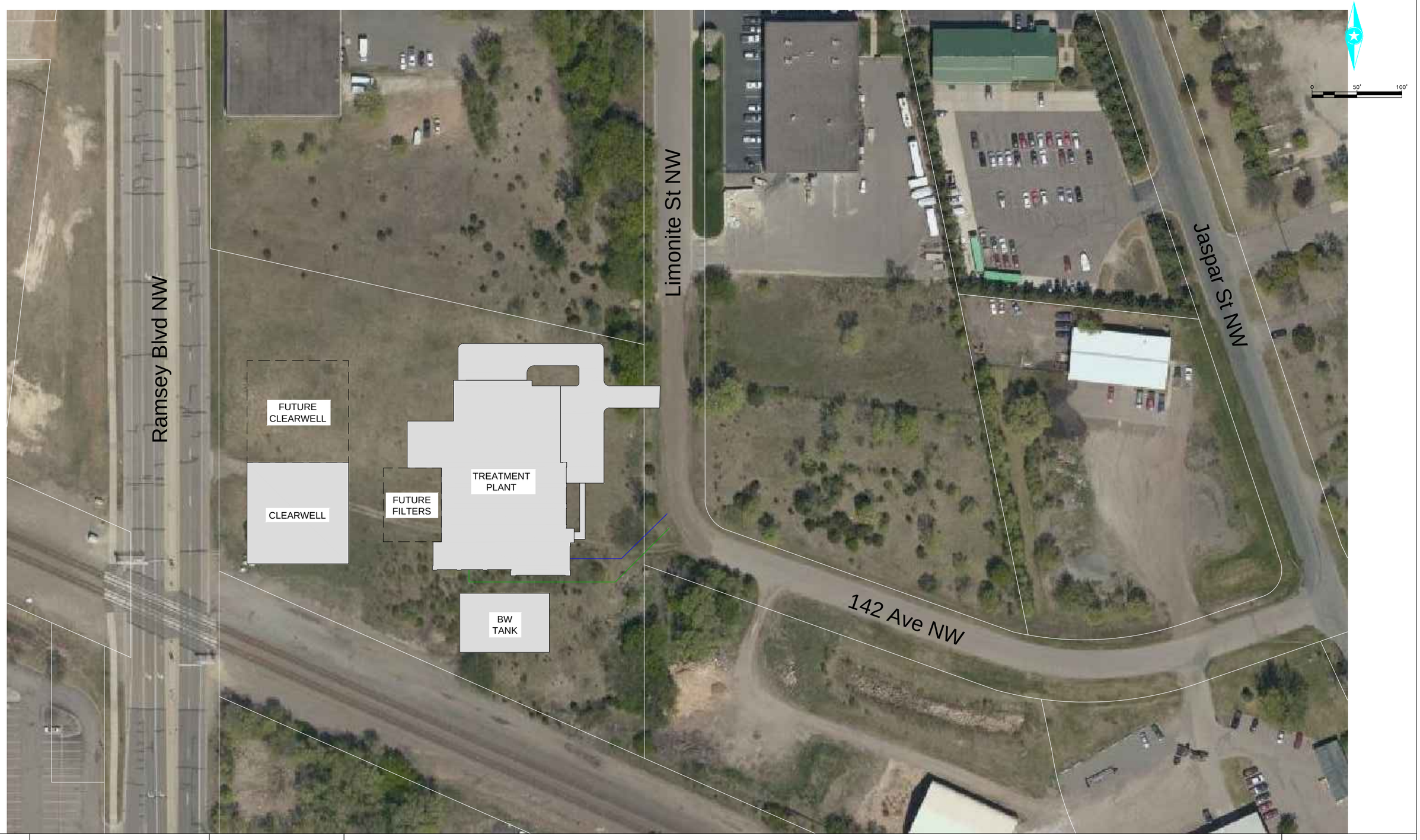
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WTP Alternatives - Water Shop Site

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
Equipment Replacement	$9,694,858
Labor	$6,488,398
Gas	$1,179,709
Chemicals	$6,488,398
Insurance	$1,769,563
Electricity	$6,783,325
Equip. Repair	$7,078,253
TOTAL PW	$71,880,000

20 year Annual Costs

Loan Payment Annual Equipment	$1,981,478	
Replacement	$308,522	
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	$30,000	
Electricity	$115,000	Assumes 120kW 24/7 at $0.10 per kWh
Equip. Repair	$120,000	
TOTAL ANNUAL COST:	$2,795,000	

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	

Building a Better World for All of Us®

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.

We're confident in our ability to balance these requirements.

Join Our Social Communities

CC Regular Session **7. 6.**

Meeting Date: 03/09/2021

By: Bruce Westby, Engineering/Public Works

Information

Title:

Adopt Resolution #21-057 Accepting Bids and Awarding Contract for Improvement Project #21-00, Riverdale Drive Reconstruction, Feldspar Street to Sunfish Lake Boulevard

Purpose/Background:

Purpose:

The purpose of this case is to consider adopting Resolution #21-057 accepting bids and awarding a contract for construction of Improvement Project #21-00, Riverdale Drive Reconstruction, Feldspar Street to Sunfish Lake Boulevard.

Background:

Project Designation

This project has been designated as City Improvement Project #21-00.

Project Location / Scope

City Improvement Project #21-00 proposes to reconstruct Riverdale Drive NW between Feldspar Street NW and Sunfish Lake Boulevard in 2021 as identified in the 2021 - 2030 Capital Improvement Plan (CIP). The segment of Riverdale Drive to be reconstructed totals approximately 2,925 lineal feet, or 0.55 miles. The title sheet of the attached plans includes a figure showing the location and scope of the proposed improvements.

Existing Conditions / Proposed Improvements

The pavement on this segment of Riverdale Drive is in very poor condition and Public Works Staff spend an excessive amount of time each year patching the pavement. Staff has received numerous complaints from the public in recent years regarding the poor condition of this pavement.

On November 24, 2020, the City Council adopted Resolution #20-248 accepting a proposal from Bolton & Menk, Inc. to provide design services for this project including collecting topographic survey data, completing geotechnical evaluations, preparing plans and specifications complying with Minnesota Department of Transportation (MnDOT) State Aid standards, providing required submittals to State Aid, and bidding services. Riverdale Drive is part of the City's Municipal State Aid (MSA) system and is therefore required to meet MnDOT State Aid standards.

Riverdale Drive is currently 44-feet wide from face-of-curb to face-of-curb, but is proposed to be reduced by 10-feet throughout the corridor to a width of 34-feet from face-of-curb to face-of-curb. To accomplish this, two existing 6-foot wide on-street bike lanes on the west end of Riverdale Drive are proposed to be removed, along with the on-street parking lane along the north side. An 8-foot wide on-street parking lane is proposed along the south side of Riverdale Drive to accommodate on-street parking for adjacent properties and trail users, as well as for the Mississippi River observation deck proposed within the 2021-2030 Capital Improvement Program (CIP). Drive lanes are proposed to be 12-feet wide, with an additional 2-feet provided along the curb on the north side to better accommodate truck traffic and to mitigate loss of useable pavement in the winter due to snow and ice accumulations.

A 10-foot wide off-street bituminous trail exists north of Riverdale Drive and west of Sunfish Lake Boulevard. This

trail terminates approximately 300 feet east of Dolomite Street, where it connects to Riverdale Drive. This trail is proposed to be extended to Feldspar Street to allow pedestrians and bicyclists to use the off-street trail, which will be separated from Riverdale Drive by a boulevard between 6 and 8-feet wide that will better accommodate snow storage and reduce drifting of snow along the corridor, compared to the existing 0 to 2-foot wide boulevard.

Sheet 9 of the attached plans show the proposed typical sections.

Municipal utilities (water supply and sanitary sewer) exist within the project area. Sanitary sewer improvements are not proposed with this project. The sanitary sewer lines were cleaned and televised and the results verified that repairs are not immediately needed or anticipated to be needed during the 60-year design life of the improvements. Similarly, no water supply improvements are proposed. However, water service lines extending from the trunk line to individual properties are proposed to be inspected at the right of way to confirm that each service line is properly tied back to the trunk line. This work will help ensure that service line repairs will not be needed during the design life of the proposed improvements, and is being proposed as repairs to several water service lines were made recently along this segment of Riverdale Drive. The water supply system was recently tested for leaks and the results indicate that repairs are not immediately needed or anticipated to be needed during the design life of the improvements.

Storm sewer improvements are proposed with this project including adding trunk storm sewer under Riverdale Drive to better convey stormwater runoff from the Dolomite Street intersection area to the Mississippi River, and adding a pollution control structure to remove pollutants from stormwater runoff before it is discharged to the river.

On January 26, 2021, the City Council approved final plans and specifications as prepared by Bolton & Menk, Inc. and authorized advertisements for bids. Bids were advertised in the Anoka Union Herald and in Finance and Commerce on January 29th and February 5th, 2021. The project was also bid electronically through QuestCDN.

On March 2, 2021, eleven (11) bids were received and opened in a virtual public bid opening. The bids were then checked for errors and omissions and were tabulated. All bids were found to comply with the approved plans and specifications and advertisements for bids, and no errors or omissions were identified. A tabulation of all 11 bids is below.

CONTRACTOR	**TOTAL BID**
Kuechle Underground Inc.	$771,913.13
North Valley, Inc.	$791,060.27
Douglas-Kerr Underground, L.L.C	$845,987.17
Forest Lake Contracting, Inc.	$847,213.68
Omann Brothers Paving Inc.	$878,025.24
Valley Paving, Inc.	$887,910.50
Asphalt Surface Technologies Corp.	$913,349.27
Northdale Construction Company, Inc.	$926,199.75
Park Construction Company	$935,789.85
GMH Asphalt Corporation	$945,037.71
C.S.McCrossan Construction, Inc.	$1,049,298.65
Engineer's Estimate	*$925,096.50*

Kuechle Underground Inc. submitted the lowest responsible bid in the amount of $771,913.13 for construction of the proposed improvements in accordance with the approved plans and specifications and advertisement for bids. The low bid is $153,183.37 (16.6%) less than the engineer's estimate.

The proposed improvements are anticipated to have a serviceable life of 60 years, assuming that proactive maintenance operations are performed on a regular basis during the life of the improvements.

Project schedule
March 9 – Accept bids / award contract

Late May / early June – Begin construction
September 3, 2021 – Substantial completion (open to traffic)
2022 – Final completion / payment

Notification:

Advertisements for bids were published in the Anoka County Union Herald and in Finance & Commerce on January 29 and February 5, 2021, as required by State Statute. Bids were also advertised electronically on QuestCDN.

Observations/Alternatives:

Observations:

Removing the segment of Dolomite Street between Riverdale Drive and Highway 10 was initially considered with this project as this work is identified in the Highway 10 Access Planning Study and was carried forward in the Ramsey Gateway Plan. Unfortunately, this work was not able to be added to the project without causing a significant delay in project delivery. However, plans and specifications for this work are now being prepared by Bolton & Menk as authorized by City Council Resolution #21-048. Pending future Council approval(s), this work will be completed in 2021 as part of Improvement Project #21-00 via supplemental agreement, or as a separate project.

A 6-foot wide concrete sidewalk was contemplated along the south side of Riverdale Drive between Dolomite Street and Feldspar Street to enhance pedestrian access to Riverdale Park for pedestrians with origins or destinations south of Riverdale Drive. Because the proposed sidewalk was estimated to cost $110,000, the costs outweighed the potential benefits so the sidewalk was not included in the constructed plans.

Also contemplated was construction of a Mississippi River observation deck and trail connection south of Riverdale Drive and east of Dolomite Street as identified in the 2021 - 2030 CIP. Since constructing the overlook with this project would not have resulted in reduced construction costs, the observation deck and connecting trail will instead be considered for construction when the private property develops.

The only public comment received to date has been in the form of calls received in recent years that the pavement is in need of repairs and/or replacement. A public information meeting was not conducted for this project because plans were developed quickly and the current COVID-19 pandemic does not allow for large in-person gatherings. Instead, a project web page was developed and populated with information to allow the public to learn about the project online, and letters were mailed to abutting property owners informing them of the proposed improvements, providing a link to the project web page, and providing contact information in case anyone has questions or wants to discuss anything in more detail with City Staff.

Access to abutting properties will be maintained throughout construction as best as practical. Staff will work with property owners as needed to ensure they are informed in advance of access interruptions, if needed. Access for emergency services will be maintained throughout construction.

Alternatives:

Alternative #1 – Motion to adopt Resolution #21-057 accepting bids and awarding a contract for construction of Improvement Project #21-00, Riverdale Drive Reconstruction, Feldspar Street to Sunfish Lake Boulevard, to Kuechle Underground, Inc. in the amount of $771,913.13.

Alternative #2 – Motion to deny adoption of Resolution #21-057 at this time.

Funding Source:

The lowest responsible bid for constructing the proposed improvements is $771,913.13. Estimated project costs include an additional 23-percent for indirect costs (administrative, engineering, finance and legal costs), resulting in an estimated project cost of $949,453.15.

Funding sources for the improvements includes a mix of Municipal State Aid (MSA) Funds and Stormwater Funds. Municipal State Aid (MSA) Funds are proposed to pay for all street and trail improvements. Stormwater Funds are proposed to pay for all stormwater related improvements. Costs related to sanitary sewer and/or watermain work will be paid through the respective enterprise fund.

Bolton & Menk, Inc. prepared construction plans and specifications for this project per the attached design services proposal. Staff therefore requested BMI to submit a construction services proposal for such services as contract preparation, attending the pre-construction conference, reviewing shop drawings, providing construction staking, assisting with pay applications, completing as-built survey work, preparing record drawings, and potentially assisting with other lesser tasks during construction, if needed. BMI submitted the attached proposal with not-to-exceed fees totaling $21,682. These fees are part of indirect project costs. Staff feels the proposed fees are reasonable based on the complexity and scope of the proposed improvements, and recommends accepting the proposal as submitted.

City staff proposes to administer and inspect construction for this project.

Staff proposes to utilize Northern Technologies, Inc. for materials testing services at an estimated project cost of $8,000, which are also part of the indirect project costs.

Recommendation:

Staff recommends approving alternative #1.

The timing of this case did not allow Staff to request a recommendation for accepting bids and awarding a contract from the Public Works Committee. However, the Committee did recommend approving the plans and authorizing advertisements for bids.

Per the attached memorandum, Bolton & Menk, Inc., the design engineer for this project, recommends awarding the contract to Kuechle Underground, Inc. in the amount of $771,913.13.

Action:

Motion to adopt Resolution #21-057 accepting bids and awarding a contract for construction of Improvement Project #21-00, Riverdale Drive Reconstruction, Feldspar Street to Sunfish Lake Boulevard, to Kuechle Underground, Inc. in the amount of $771,913.13.

Attachments

Resolution 21-057
Construction Plans IP2100
BMI Award Recommendation Memo
BMI Design Services Proposal
BMI Construction Services Proposal

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/04/2021 02:28 PM
Form Started By: Bruce Westby		Started On: 03/02/2021 01:20 PM
Final Approval Date: 03/04/2021		

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

RESOLUTION #21-057

RESOLUTION ACCEPTING BIDS AND AWARDING CONTRACT FOR IMPROVEMENT PROJECT #21-00, RIVERDALE DRIVE RECONSTRUCTION, FELDSPAR STREET TO SUNFISH LAKE BOULEVARD

WHEREAS, the City proposes to reconstruct Riverdale Drive NW between Feldspar Street NW and Sunfish Lake Boulevard in 2021 under City Improvement Project #21-00; and

WHEREAS, pursuant to Ramsey City Council Resolution #20-248 adopted November 24, 2020, 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 #21-00; and

WHEREAS, pursuant to Ramsey City Council Resolution #21-022 adopted January 26, 2021, the City Council approved final plans and specifications as prepared by Bolton & Menk, Inc. and authorized advertisements for bids for the construction of Improvement Project #21-00; and

WHEREAS, bids were advertised in the Anoka Union Herald and in Finance and Commerce on January 29th and February 5th, 2021; and

WHEREAS, eleven (11) bids were received, opened, and tabulated on March 2, 2021, and the following bids were found to comply with the approved plans and specifications and advertisements for bids, and

CONTRACTOR	TOTAL BID
Kuechle Underground Inc.	$771,913.13
North Valley, Inc.	$791,060.27
Douglas-Kerr Underground, L.L.C	$845,987.17
Forest Lake Contracting, Inc.	$847,213.68
Omann Brothers Paving Inc.	$878,025.24
Valley Paving, Inc.	$887,910.50
Asphalt Surface Technologies Corp.	$913,349.27
Northdale Construction Company, Inc.	$926,199.75
Park Construction Company	$935,789.85
GMH Asphalt Corporation	$945,037.71
C.S. McCrossan Construction, Inc.	$1,049,298.65

WHEREAS, the bid of Kuechle Underground Inc. of Kimball, Minnesota, in the amount of $771,913.13 for the total bid for construction of the improvements in accordance with the approved plans and specifications and advertisement for bids, is the lowest responsible bidder and their bid 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 enter into a contract with said bidder for the construction of said improvements for and on behalf of the City of Ramsey.

2.) The City Administrator is hereby authorized to direct Bolton & Menk, Inc. to return forthwith to all bidders the bid bonds made with their bids at such time that a contract has been executed.

3.) The City Administrator is hereby authorized to execute the proposal from Bolton & Menk, Inc. to provide construction services for said improvements in a total not-to-exceed amount of $21,682.00.

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 9th day of March, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF RAMSEY
ANOKA COUNTY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS
CITY IMPROVEMENT PROJECT #21-00

CONSTRUCTION PLAN FOR: GRADING, BITUMINOUS RECLAMATION, AGGREGATE BASE, PLANT MIXED BITUMINOUS PAVEMENT, CONCRETE CURB AND GUTTER, ADA IMPROVEMENTS, STORM SEWER, LANDSCAPING AND RELATED APPURTENANCES

S.A.P. 199-108-004 LOCATED ON RIVERDALE DR NW FROM FELDSPAR ST NW TO 140' WEST OF SUNFISH LAKE BLVD

RIVERDALE DR (S.A.P. 199-108-004)

GROSS LENGTH	2981.0	FEET	0.565	MILES
BRIDGE LENGTH	NA	FEET	NA	MILES
EXCEPTION LENGTH	NA	FEET	NA	MILES
NET LENGTH	2981.0	FEET	0.565	MILES

LENGTH AND DESCRIPTION BASED UPON
PROPOSED RIVERDALE DR NW CENTERLINE

DESIGN DESIGNATION RIVERDALE DR NW
STA. STA 0+19TO STA. STA 30+00

FUNTIONAL CLASSIFICATION	URBAN COLLECTOR
R-VALUE	30
ΣN-18	180,000
NO. & WIDTH OF TRAFFIC LANES	2 & 12 ft
NO. & WIDTH OF PARKING LANES	1 & 8 ft
ADT (PRESENT YEAR) 2021	1,000
ADT (PROJECTED YEAR) 2041	2,120
HCADT (PROJECTED YEAR) 2041	3.87%
DESIGN SPEED	35 mph
DESIGN LOAD	10 ton

DESIGN SPEED FOR ROADWAY BASED ON
ON STOPPING SIGHT DISTANCE:
HEIGHT OF EYE = 3.5 FT
HEIGHT OF OBJECT = 2.0 FT

DESIGN DESIGNATION OFF-ROAD TRAIL
STA 0+19 TO 13+45

FUNTIONAL CLASSIFICATION	BIKE TRAIL
DESIGN SPEED	2O MPH

STOPPING SIGHT DISTANCE
HEIGHT OF EYE = 4.5 FT
HEIGHT OF OBJECT = 0 FT

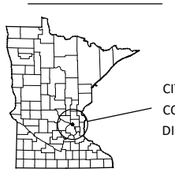
VICINITY MAP
0 400 800
SCALE FEET

TYPICAL PLAN SCALE
UNLESS OTHERWISE NOTED:

HORIZONTAL SCALE 0 25 50
SCALE FEET

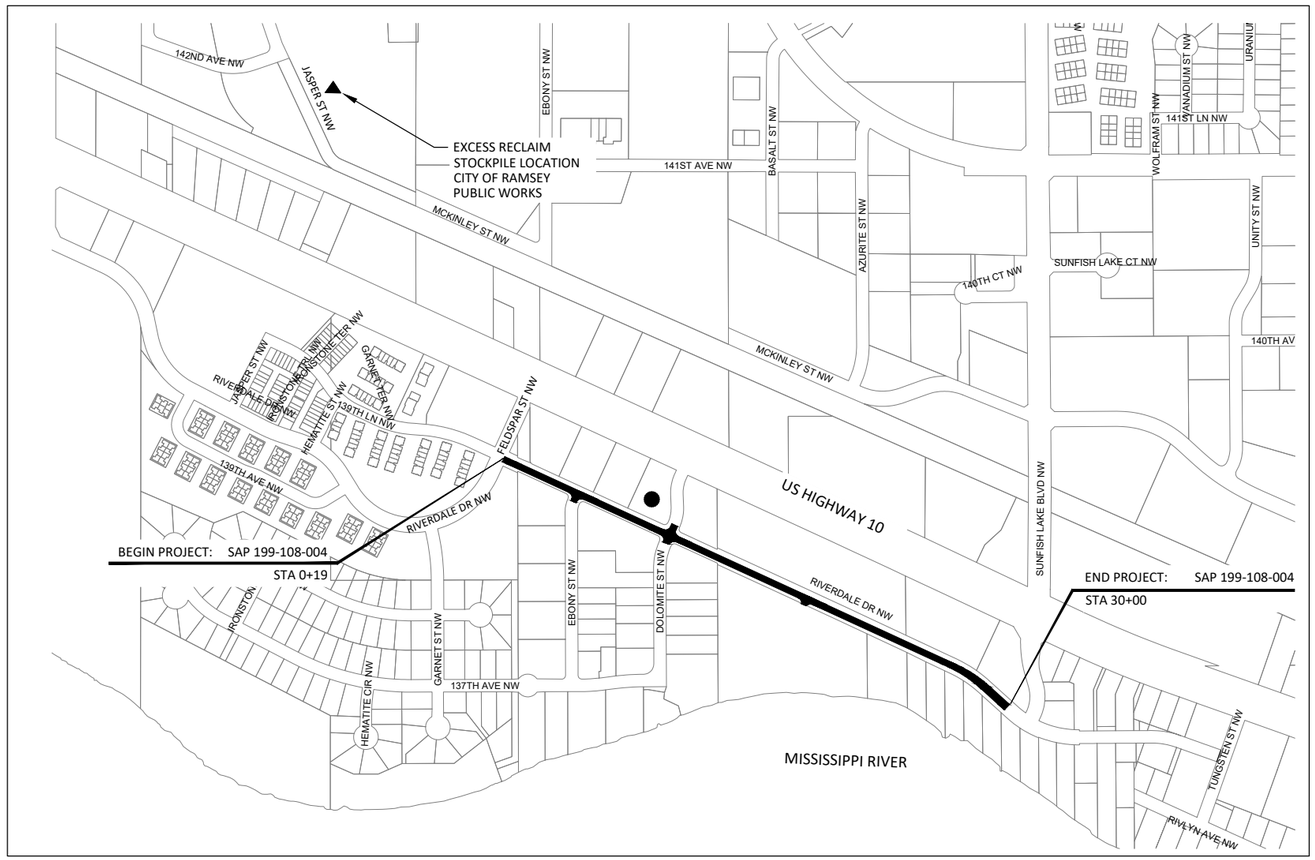
VERTICAL SCALE 0 5 10
SCALE FEET

PROJECT LOCATION



CITY: RAMSEY
COUNTY: ANOKA
DISTRICT: METRO

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY 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."



VICINITY MAP
- EXCESS RECLAIM SITE
- STOCKPILE SITE
- PROJECT LIMITS

BM=859.76
TOP NUT OF HYDRANT
STA 1+24.40
SOUTH SIDE OF STREET

PROJECT DATUM:
HORIZONTAL: ANOKA COUNTY COORDINATES (1996 ADJUSTMENT)
VERTICAL: NGVD 29

RECORD DRAWING INFORMATION
OBSERVER:
CONTRACTOR:
DATE:

MINN. PROJ. NO. STATE FUNDS

--- GOVERNING SPECIFICATIONS ---
THE 2018 EDITION OF THE MINNESOTA DEPARTMENT OF TRANSPORTATION "STANDARD SPECIFICATION FOR CONSTRUCTION" SHALL GOVERN.

ALL TRAFFIC CONTROL DEVICES AND SIGNING SHALL CONFORM AND BE INSTALLED IN ACCORDANCE WITH THE "MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES" (MN MUTCD) AND PART VI, "FIELD MANUAL" FOR TEMPORARY TRAFFIC CONTROL DEVICES.

SHEET NUMBER	SHEET TITLE
GENERAL	
1	TITLE SHEET
2	LEGEND
3 - 4	STATEMENT OF ESTIMATED QUANTITIES, TABULATIONS
5	ALIGNMENT TABULATION
CIVIL	
6 - 8	EXISTING CONDITIONS AND REMOVALS
9 - 13	TYPICAL SECTIONS & CONSTRUCTION DETAILS
14 - 19	MnDOT PEDESTRIAN CURB RAMP DETAILS
20 - 22	STORMWATER POLLUTION PREVENTION PLAN
23 - 25	EROSION CONTROL & TURF ESTABLISHMENT
26 - 30	STREET PLAN AND PROFILE
31	STORM SEWER LEADS
32 - 33	INTERSECTION DETAILS
34 - 36	SIGNAGE & STRIPING PLAN
37 - 48	CROSS SECTIONS

THIS PLAN SET CONTAINS 48 SHEETS.

Kevin P. Kielb, P.E.
Design Engineer: I hereby certify that this plan was prepared by me or under my direct supervision, and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Date 1/25/2021 License Number 23211

Date
Approved: City of RAMSEY Engineer

Date
District State Aid Engineer:
Review for compliance with State Aid Rules/Policy

Date
Approved for State Aid Funding: State Aid Engineer

BOLTON & MENK
7533 SUNWOOD DR NW, SUITE 206
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STATE AID PROJECT NO. S.A.P. 199-108-004

SHEET 1 OF 48

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H:\RAMS\0R1123204\CAD\C3D\1232046001.dwg 1/25/2021 5:39:23 PM

EXISTING TOPOGRAPHIC SYMBOLS

- ACCESS GRATE
- AIR CONDITION UNIT
- ANTENNA
- AUTO SPRINKLER CONNECTION
- BARRICADE PERMANENT
- BASKETBALL POST
- BENCH
- BIRD FEEDER
- BOLLARD
- BUSH
- CATCH BASIN RECTANGULAR CASTING
- CATCH BASIN CIRCULAR CASTING
- CURB STOP
- CLEAN OUT
- CULVERT END
- DRINKING FOUNTAIN
- DOWN SPOUT
- FILL PIPE
- FIRE HYDRANT
- FLAG POLE
- FLARED END / APRON
- FUEL PUMP
- GRILL
- GUY WIRE ANCHOR
- HANDHOLE
- HANDICAP SPACE
- IRRIGATION SPRINKLER HEAD
- IRRIGATION VALVE BOX
- LIFT STATION CONTROL PANEL
- LIFT STATION
- LIGHT ON POLE
- LIGHT-GROUND
- MAILBOX
- MANHOLE-COMMUNICATION
- MANHOLE-ELECTRIC
- MANHOLE-GAS
- MANHOLE-HEAT
- MANHOLE-SANITARY SEWER
- MANHOLE-STORM SEWER
- MANHOLE-UTILITY
- MANHOLE-WATER
- METER
- ORDER MICROPHONE
- PARKING METER
- PAVEMENT MARKING
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC
- PEDESTRIAN PUSH BUTTON
- PICNIC TABLE
- POLE-UTILITY
- POST
- RAILROAD SIGNAL POLE
- REGULATION STATION GAS
- SATELLITE DISH
- SIGN TRAFFIC
- SIGNAL CONTROL CABINET
- SOIL BORING
- SIREN
- TELEPHONE BOOTH
- TILE INLET
- TILE OUTLET
- TILE RISER
- TRANSFORMER-ELECTRIC
- TREE-CONIFEROUS
- TREE-DEAD
- TREE-DECIDUOUS
- TREE STUMP
- TRAFFIC ARM BARRIER
- TRAFFIC SIGNAL
- TRASH CAN
- UTILITY MARKER
- VALVE
- VALVE POST INDICATOR
- VALVE VAULT
- VENT PIPE
- WATER SPIGOT
- WELL
- WETLAND DELINEATED MARKER
- WETLAND
- WET WELL
- YARD HYDRANT

PROPOSED TOPOGRAPHIC SYMBOLS

- CLEANOUT
- MANHOLE
- LIFT STATION
- STORM SEWER CIRCULAR CASTING
- STORM SEWER RECTANGULAR CASTING
- STORM SEWER FLARED END / APRON
- STORM SEWER OUTLET STRUCTURE
- STORM SEWER OVERFLOW STRUCTURE
- CURB BOX
- FIRE HYDRANT
- WATER VALVE
- WATER REDUCER
- WATER BEND
- WATER TEE
- WATER CROSS
- WATER SLEEVE
- WATER CAP / PLUG
- RIP RAP
- DRAINAGE FLOW
- TRAFFIC SIGNS

SURVEY SYMBOLS

- BENCH MARK LOCATION
- CONTROL POINT
- MONUMENT IRON FOUND
- CAST IRON MONUMENT

EXISTING TOPOGRAPHIC LINES

- RETAINING WALL
- FENCE
- FENCE-DECORATIVE
- GUARD RAIL
- TREE LINE
- BUSH LINE

SURVEY LINES

- CONTROLLED ACCESS
- BOUNDARY
- CENTERLINE
- EXISTING EASEMENT LINE
- PROPOSED EASEMENT LINE
- EXISTING LOT LINE
- PROPOSED LOT LINE
- EXISTING RIGHT-OF-WAY
- PROPOSED RIGHT-OF-WAY
- SETBACK LINE
- SECTION LINE
- QUARTER LINE
- SIXTEENTH LINE
- TEMPORARY EASEMENT

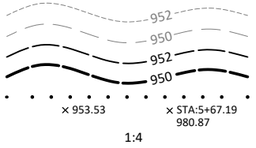
EXISTING UTILITY LINES

- FORCEMAIN
- SANITARY SEWER
- SANITARY SERVICE
- STORM SEWER
- STORM SEWER DRAIN TILE
- WATERMAIN
- WATER SERVICE

PROPOSED UTILITY LINES

- FORCEMAIN
- SANITARY SEWER
- SANITARY SERVICE
- STORM SEWER
- STORM SEWER DRAIN TILE
- WATERMAIN
- WATER SERVICE
- PIPE CASING

GRADING INFORMATION



- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- PROPOSED GRADING LIMITS / SLOPE LIMITS
- PROPOSED SPOT ELEVATION
- RISE:RUN (SLOPE)

HATCH PATTERNS

- BITUMINOUS
- CONCRETE
- GRAVEL

EXISTING PRIVATE UTILITY LINES

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.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D UNLESS OTHERWISE NOTED. THIS UTILITY 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"

- F — F — F — F — F — UNDERGROUND FIBER OPTIC
- E — E — E — E — E — UNDERGROUND ELECTRIC
- G — G — G — G — G — UNDERGROUND GAS
- C — C — C — C — C — UNDERGROUND COMMUNICATION
- OE — OE — OE — OE — OVERHEAD ELECTRIC
- OC — OC — OC — OVERHEAD COMMUNICATION
- OU — OU — OU — OVERHEAD UTILITY

UTILITIES IDENTIFIED WITH A QUALITY LEVEL :

LINE TYPES FOLLOW THE FORMAT: UTILITY TYPE - QUALITY LEVEL
EXAMPLE: — G-A — G-A — UNDERGROUND GAS, QUALITY LEVEL A
UTILITY QUALITY LEVEL (A,B,C,D) DEFINITIONS CAN BE FOUND IN CI/ASCE 38-02.

UTILITY QUALITY LEVELS:

QUALITY LEVEL D: PROVIDES THE MOST BASIC LEVEL OF INFORMATION. IT INVOLVES COLLECTING DATA FROM EXISTING UTILITY RECORDS. RECORDS MAY INCLUDE AS-BUILT DRAWINGS, DISTRIBUTION AND SERVICES MAPS, EXISTING GEOGRAPHIC INFORMATION SYSTEM DATABASES, CONSTRUCTION PLANS, ETC.

QUALITY LEVEL C: INVOLVES SURVEYING VISIBLE SUBSURFACE UTILITY STRUCTURES SUCH AS MANHOLES, HAND-HOLES, UTILITY VALVES AND METERS, FIRE HYDRANTS, PEDESTALS AND UTILITY MARKERS, AND THEN CORRELATING THE INFORMATION WITH EXISTING UTILITY RECORDS TO CREATE COMPOSITE DRAWINGS. INCLUDES QUALITY LEVEL D ACTIVITIES.

QUALITY LEVEL B: INVOLVES DESIGNATING THE HORIZONTAL POSITION OF SUBSURFACE UTILITIES THROUGH SURFACE DETECTION METHODS AND COLLECTING THE INFORMATION THROUGH A SURVEY METHOD. INCLUDES QUALITY LEVEL C AND D TASKS.

QUALITY LEVEL A: PROVIDES THE HIGHEST LEVEL OF ACCURACY. IT INVOLVES LOCATING OR POTHOLING UTILITIES AS WELL AS ACTIVITIES IN QUALITY LEVELS B, C, AND D. THE LOCATED FACILITY INFORMATION IS SURVEYED AND MAPPED AND THE DATA PROVIDES PRECISE PLAN AND PROFILE INFORMATION.

ABBREVIATIONS

A	ALGEBRAIC DIFFERENCE	GRAV	GRAVEL	RSC	RIGID STEEL CONDUIT
ADJ	ADJUST	GU	GUTTER	RT	RIGHT
ALT	ALTERNATE	GV	GATE VALVE	SAN	SANITARY SEWER
B-B	BACK TO BACK	HDPE	HIGH DENSITY POLYETHYLENE	SCH	SCHEDULE
BIT	BITUMINOUS	HH	HANDHOLE	SERV	SERVICE
BLDG	BUILDING	HP	HIGH POINT	SHLD	SHOULDER
BMP	BEST MANAGEMENT PRACTICE	HWL	HIGH WATER LEVEL	STA	STATION
BR	BEGIN RADIUS	HYD	HYDRANT	STD	STANDARD
BV	BUTTERFLY VALVE	I	INVERT	STM	STORM SEWER
CB	CATCH BASIN	K	CURVE COEFFICIENT	TC	TOP OF CURB
C&G	CURB AND GUTTER	L	LENGTH	TE	TEMPORARY EASEMENT
CIP	CAST IRON PIPE	LO	LOWEST OPENING	TEMP	TEMPORARY
CIPP	CURED-IN-PLACE PIPE	LP	LOW POINT	TNH	TOP NUT HYDRANT
CL	CENTER LINE	LT	LEFT	TP	TOP OF PIPE
CL.	CLASS	MAX	MAXIMUM	TYP	TYPICAL
CLVT	CULVERT	MH	MANHOLE	VCP	VITRIFIED CLAY PIPE
CMP	CORRUGATED METAL PIPE	MIN	MINIMUM	VERT	VERTICAL
C.O.	CHANGE ORDER	MR	MID RADIUS	VPC	VERTICAL POINT OF CURVE
COMM	COMMUNICATION	NIC	NOT IN CONTRACT	VPI	VERTICAL POINT OF INTERSECTION
CON	CONCRETE	NMC	NON-METALLIC CONDUIT	VPT	VERTICAL POINT OF TANGENT
CSP	CORRUGATED STEEL PIPE	NTS	NOT TO SCALE	WM	WATERMAIN
DIA	DIAMETER	NWL	NORMAL WATER LEVEL		
DIP	DUCTILE IRON PIPE	OHW	ORDINARY HIGH WATER LEVEL		
DWY	DRIVEWAY	PC	POINT OF CURVE	AC	ACRES
E	EXTERNAL CURVE DISTANCE	PCC	POINT OF COMPOUND CURVE	CF	CUBIC FEET
ELEC	ELECTRIC	PE	PERMANENT EASEMENT	CV	COMPACTED VOLUME
ELEV	ELEVATION	PED	PEDESTRIAN, PEDESTAL	CY	CUBIC YARD
EOF	EMERGENCY OVERFLOW	PERF	PERFORATED PIPE	EA	EACH
ER	END RADIUS	PERM	PERMANENT	EV	EXCAVATED VOLUME
ESMT	EASEMENT	PI	POINT OF INTERSECTION	LB	POUND
EX	EXISTING	PL	PROPERTY LINE	LF	LINEAR FEET
FES	FLARED END SECTION	PRC	POINT OF REVERSE CURVE	LS	LUMP SUM
F-F	FACE TO FACE	PT	POINT OF TANGENT	LV	LOOSE VOLUME
FF	FINISHED FLOOR	PVC	POLYVINYL CHLORIDE PIPE	SF	SQUARE FEET
F&I	FURNISH AND INSTALL	PVMT	PAVEMENT	SV	STOCKPILE VOLUME
FM	FORCEMAIN	R	RADIUS	SY	SQUARE YARD
FO	FIBER OPTIC	R/W	RIGHT-OF-WAY		
F.O.	FIELD ORDER	RCP	REINFORCED CONCRETE PIPE		
GRAN	GRANULAR	RET	RETAINING		

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City of RAMSEY

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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
LEGEND

SHEET 2 OF 48

199-108-004 STATEMENT OF ESTIMATED QUANTITIES

ITEM NO.	NOTES	MnDOT SPEC NO.	ITEM	UNIT	TOTAL	STATE AID PARTICIPATING 199-108-004		CITY OF RAMSEY (NON-PARTICIPATING)
						ROADWAY	STORM SEWER	ROADWAY
1		2021.501	MOBILIZATION	LUMP SUM	1	0.78	0.14	0.08
2		2104.502	REMOVE CATCH BASIN	EACH	6		6	
3		2104.502	REMOVE CASTING	EACH	9	9		
4		2104.502	SALVAGE GATE VALVE & BOX	EACH	3			3
5		2104.503	REMOVE PIPE SEWERS (STORM)	LIN FT	240		240	
6		2104.503	REMOVE WATER MAIN	LIN FT	30			30
7		2104.503	REMOVE CURB AND GUTTER	LIN FT	6,140	6,140		
8		2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	60	60		
9		2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	550	550		
10		2104.504	REMOVE BITUMINOUS PAVEMENT (DRIVEWAY)	SQ YD	690	690		
11		2104.504	REMOVE CONCRETE WALK	SQ YD	120	120		
12		2104.504	REMOVE CONCRETE PAVEMENT	SQ YD	120	120		
13		2104.604	SALVAGE LANDSCAPE ROCK	SQ YD	10	10		
14	(1)	2105.507	COMMON EXCAVATION (EV) (P)	CU YD	1,870	1,870		
15		2105.507	SUBGRADE EXCAVATION (EV)	CU YD	100	100		
16		2105.601	DEWATERING	LUMP SUM	1		1	
17	(2)	2105.607	HAUL & STOCKPILE RECLAIM MATERIAL (LV) (P)	CU YD	3,990	3,990		
18		2105.609	GRANULAR BORROW	TON	150	150		
19		2123.61	STREET SWEEPER (WITH PICKUP BROOM)	HOUR	20	20		
20		2211.509	AGGREGATE BASE CLASS 5 MODIFIED (TRAIL)	TON	400	400		
21	(2)	2211.607	AGGREGATE BASE (CV) FROM STOCKPILE (DRIVEWAYS)	CU YD	150	150		
22	(2)	2211.607	AGGREGATE BASE (CV) FROM STOCKPILE (ROADWAY)	CU YD	2,065	2,065		
23		2215.504	FULL DEPTH RECLAMATION (10") (P)	SQ YD	13,965	13,965		
24		2360.509	TYPE 9.5 WEARING COURSE MIX (3,C) (TRAIL)	TON	190	190		
25		2360.509	TYPE 9.5 WEARING COURSE MIX (3,C) (DRIVEWAY)	TON	120	120		
26		2360.509	TYPE 9.5 WEARING COURSE MIX (3,C) (ROADWAY)	TON	1,390	1,390		
27		2360.509	TYPE 12.5 NON WEARING COURSE MIX (3,C) (ROADWAY)	TON	1,390	1,390		
28		2411.502	CONCRETE FLUME	EACH	3	3		
29		2503.503	12" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	15		15	
30		2503.503	15" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	986		986	
31		2503.503	27" RC PIPE SEWER DESIGN 3006 CLASS III	LIN FT	52		52	
32		2503.602	15" PIPE PLUG	EACH	1		1	
33		2503.602	CONNECT TO EXISTING STORM SEWER	EACH	3		3	
34		2504.602	CONNECT TO EXISTING WATER MAIN	EACH	4			4
35		2504.602	INSTALL GATE VALVE & BOX	EACH	3			3
36		2504.602	ADJUST VALVE & BOX	EACH	19	19		
37		2504.602	RELOCATE HYDRANT & VALVE	EACH	1			1
38	(3)	2504.602	REPAIR WATER SERVICE	EACH	16			16
39		2504.603	6" WATERMAIN DUCTILE IRON CL 53	LIN FT	30			30
40		2504.608	WATERMAIN FITTINGS	POUND	132			132
41		2506.502	CASTING ASSEMBLY (STORM)	EACH	13	13		
42		2506.502	CASTING ASSEMBLY (SANITARY)	EACH	9	9		
43	(4)	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	LIN FT	18		18	
44	(4)	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	LIN FT	15		15	
45	(5)	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 1	LIN FT	20		20	
46	(6)	2506.503	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 2	EACH	1		1	
47		2521.518	6" CONCRETE WALK	SQ FT	2,640	2,640		
48		2531.503	CONCRETE CURB & GUTTER DES B618	LIN FT	6,360	6,360		
49		2531.504	6" CONCRETE DRIVEWAY PAVEMENT	SQ YD	110	110		
50		2531.604	7" CONCRETE VALLEY GUTTER	SQ YD	50	50		
51		2531.618	TRUNCATED DOMES	SQ FT	210	210		
52		2540.602	RELOCATE MAIL BOX	EACH	9	9		
53		2540.604	INSTALL LANDSCAPE ROCK	SQ YD	10	10		
54		2557.503	WIRE FENCE DESIGN 48V-9322	LIN FT	55	55		
55		2563.601	TRAFFIC CONTROL	LUMP SUM	1	1		
56		2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	1	1		
57		2573.502	STORM DRAIN INLET PROTECTION	EACH	18	18		
58		2573.503	SILT FENCE, TYPE MS	LIN FT	960	960		
59		2574.507	COMMON TOPSOIL BORROW	CU YD	500	500		
60		2574.508	FERTILIZER TYPE 3	POUND	360	360		
61		2575.504	SODDING TYPE LAWN	SQ YD	3,590	3,590		
62		2575.505	SEEDING	ACRE	1.2	1.2		
63		2575.508	SEEDING MIXTURE 25-131	POUND	400	400		
64		2575.508	HYDRAULIC BONDED FIBER MATRIX	POUND	4,200	4,200		
65		2582.503	4" SOLID LINE MULTI COMP	LIN FT	3,100	3,100		
66		2582.503	4" DBLE SOLID LINE MULTI COMP	LIN FT	2,750	2,750		
67		2582.518	CROSSWALK MULTI COMP	SQ FT	258	258		

(1) INCLUDES EXCAVATION BELOW RECLAMATION
(2) STOCKPILE RECLAIMED MATERIAL NEEDED AT THE LOCATION SHOWN ON PLANS, FOR USE AS AGGREGATE BASE
(3) AT DIRECTION OF ENGINEER, FOR WATER SERVICE EXCAVATION AND INSTALLATION OF TIE RODS & MISC. REPAIRS
(4) DESIGN 4020 STRUCTURE WITH A 4022 COVER
(5) 2' x 3' CATCH BASIN. SEE CONSTRUTION DETAILS
(6) WATER QUALITY STRUCTURE. SEE CONSTRUCTION DETAILS

BASIS FOR ESTIMATED QUANTITIES

BID ITEM	BASIS
TYPE SP WEARING & NON-WEARING COURSE MIX	115 LBS/SY-IN
BITUMINOUS TACK COAT	0.05 GAL/SY
AGGREGATE BASE CLASS 5	105 LBS/SY-IN
HYDRAULIC BONDED FIBER MATRIX	3500 LBS/ACRE
FERTILIZER TYPE 3	300 LBS/ACRE
SEED MIX 25-131	330 LBS/ACRE

STANDARD PLATES

THE FOLLOWING STANDARD PLATES, APPROVED BY THE FEDERAL HIGHWAY ADMINISTRATION, SHALL APPLY ON THIS PROJECT

PLATE NO.	DESCRIPTION
3000M	REINFORCED CONCRETE PIPE (6 SHEETS)
3006H	GASKET JOINT FOR R.C. PIPE (2 SHEETS)
4011E	PRECAST CONCRETE BASE
4020J	MANHOLE OR CATCH BASIN WITH OR WITHOUT TRAFFIC LOADS (2 SHEETS)
4022A	MANHOLE OR CATCH BASIN COVER - 3' x 2' OPENING - FOR USE WITH OR WITHOUT TRAFFIC LOADS
4026A	CONCRETE ENCASAED CONCRETE ADJUSTING RINGS
4108F	ADJUSTING RINGS FOR CATCH BASINS & MANHOLES
7038A	DETECTABLE WARNING SURFACE TRUNCATED DOMES
7100H	CONCRETE CURB AND GUTTER
7111J	INSTALLATION OF CATCH BASIN CASTINGS (CONCRETE CURB & GUTTER)
8000J	CHANNELIZERS (3 SHEETS)
9322K	CHAIN LINK FENCE (2 SHEETS)

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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STATEMENT OF ESTIMATED QUANITIES

STORM SEWER TABLE

STRUCTURE	STREET	STATION, OFFSET	RIM	OUTLET	ASSEMBLY	DRAINS	DOWNSTREAM	PIPE	12" RC PIPE SEWER DESIGN 3006 CLASS III	15" RC PIPE SEWER DESIGN 3006 CLASS III	27" RC PIPE SEWER DESIGN 3006 CLASS III	15" PIPE PLUG	CONNECT TO EXISTING STORM SEWER	CASTING ASSEMBLY (STORM)	CONSTRUCT DRAINAGE STRUCTURE DESIGN 48-4020	CONSTRUCT DRAINAGE STRUCTURE DESIGN 60-4020	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 1	CONSTRUCT DRAINAGE STRUCTURE DESIGN SPEC 2
			ELEV	ELEV		TO	ELEV	GRADE (%)	LIN FT	LIN FT	LIN FT	EACH	EACH	EACH	LIN FT	LIN FT	LIN FT	EACH
EX STM	RIVERDALE DR	N/A	N/A	N/A	N/A	101	852.60	1.13%	14				1					
101	RIVERDALE DR	4+39.3, 42.0' RT	856.95	852.50	R-3246R	EX STM	852.48	0.28%		9			1	1	4.45			
102	RIVERDALE DR	4+30.9, 14.7' LT	857.32	852.77	R-3246R	101	852.60	0.29%		57				1		4.55		
103	RIVERDALE DR	4+22.0, 14.7' LT	857.31	853.31	R-3246R	102	853.22	1.00%		9				1			4.00	
201	RIVERDALE DR	7+58.3, 14.7' LT	859.39	854.82	R-3246R	102	852.87	0.60%		327				1	4.57			
202	RIVERDALE DR	7+58.3, 20.7' RT	859.27	855.27	R-3246R	201	854.92	1.00%		35				1			4.00	
6710 STUB	RIVERDALE DR	7+58.3, N/A	N/A	855.01	N/A	201	854.92	0.28%		32		1						
301	RIVERDALE DR	14.05.8, 14.7' LT	858.14	853.57	R-3246R	402	849.11	1.27%		350				1	4.57			
302	RIVERDALE DR	14+05.8, 20.7' RT	858.02	854.02	R-3246R	301	853.67	1.00%		35				1			4.00	
400	RIVERDALE DR	17+56.6, 29.6' RT	854.40	847.42	N/A	EX STM	847.41	0.13%			8		1					1
401	RIVERDALE DR	17+56.5, 21.8' RT	853.44	847.62	R-3246R	400	847.54	1.00%			8			1		5.82		
402	RIVERDALE DR	17+55.8, 14.7' LT	853.69	849.01	R-3246R	401	848.96	0.13%			36			1		4.68		
403	RIVERDALE DR	18+18.9, 14.7' LT	853.45	849.29	R-3246R	402	849.11	0.28%		63				1	4.16			
404	RIVERDALE DR	18+26.3, 14.7' LT	853.46	849.46	R-3246R	403	849.39	1.00%		7				1			4.00	
405	RIVERDALE DR	18+19.0, 22.8' RT	853.23	849.23	R-3246R	401	848.96	0.43%		62				1			4.00	
								TOTALS:	14	986	52	1	3	12	18	15	20	1

CASTING ASSEMBLIES

CASTING DESIGNATION	CASTING DESCRIPTION	QTY
R-3246R	CATCH BASIN CASTING	13
R-1733	WATERTIGHT COVER MARKED "SANITARY SEWER"	9

EARTHWORK SUMMARY S.A.P. 199-108-004

NOTES	ITEMS	UNIT	RIVERDALE DRIVE NW
	UNADJUSTED VOLUMES BASED ON CROSS SECTIONS		
1	RECLAIM MATERIAL FROM 10" RECLAMATION (EV) STA 0+19 TO STA 26+50	CU YD	3440
1,5	RECLAIM MATERIAL FROM 10" RECLAMATION (EV) STA 26+50 TO STA 30+00	CU YD	175
2,6,7	COMMON EXCAVATION (EV)	CU YD	1870
6	EMBANKMENT MATERIAL REQUIRED (CV)	CU YD	650
	AGGREGATE BASE (CV) FROM STOCKPILE REQUIRED FOR ROADWAY	CU YD	2065
	AGGREGATE BASE (CV) FROM STOCKPILE REQUIRED FOR DRIVEWAYS	CU YD	150
	GRADING BALANCE		
3	RECLAIM MATERIAL GENERATED (LV) STA 0+19 TO 26+50	CU YD	3790
3,5	RECLAIM MATERIAL GENERATED (LV) STA 26+50 TO 30+00	CU YD	200
	RECLAIM MATERIAL TO BE HAULED & STOCKPILED (LV)	CU YD	3990
1,4	AGGREGATE BASE (RECLAIMED MATERIAL) FROM STOCKPILE REQUIRED FOR ROADWAY (LV)	CU YD	2680
1,4	AGGREGATE BASE (RECLAIMED MATERIAL) FROM STOCKPILE REQUIRED FOR DRIVEWAYS (LV)	CU YD	200
1	RECLAIM MATERIAL REQUIRED FOR REUSE (LV)	CU YD	2880
3	COMMON EXCAVATION MATERIAL GENERATED (LV)	CU YD	2060
4,6	EMBANKMENT MATERIAL REQUIRED (LV)	CU YD	780
1	EXCESS RECLAIM MATERIAL (LV)	CU YD	1110
8	EXCESS COMMON EXCAVATION MATERIAL (LV)	CU YD	1280

NOTES

1. RECLAIMED MATERIAL SHALL BE BE REUSED FOR ROAD SECTION & DRIVEWAYS AGGREGATE BASE. MATERIAL NOT REQUIRED FOR REUSE SHALL BE HAULED TO 14100 JASPER STREET, CITY OF RAMSEY PUBLIC WORKS
2. EXCAVATION REQUIRED BELOW 10" RECLAMATION, TRAILS, DRIVEWAY, AND TOPSOIL STRIPPING
3. SWELL FACTOR OF 1.1 APPLIED FROM EV TO LV
4. SHRINKAGE FACTOR OF 1.2 APPLIED FROM CV TO LV
5. RECLAIMED MATERIAL SHALL REMAIN IN PLACE. SHAPE TO DESIGN GRADE FOR PROPOSED BITUMINOUS PAVEMENT
6. CONTRACTOR TO SEPARATE TOPSOIL, GRANULAR MATERIAL AND SELECT GRADING MATERIAL. SELECT GRADING MATERIAL TO BE USED UNDER IMPERVIOUS SURFACE. GRANULAR MATERIAL TO BE USED IN BOULEVARD AREAS AS REQUIRED
7. TOPSOIL SALVAGED FROM SITE SHALL BE USED BEFORE ANY TOPSOIL BORROW HAULED TO THE SITE.
8. EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR. DISPOSAL SHALL BE INCLUDED IN UNIT PRICE BID FOR COMMON EXCAVATION

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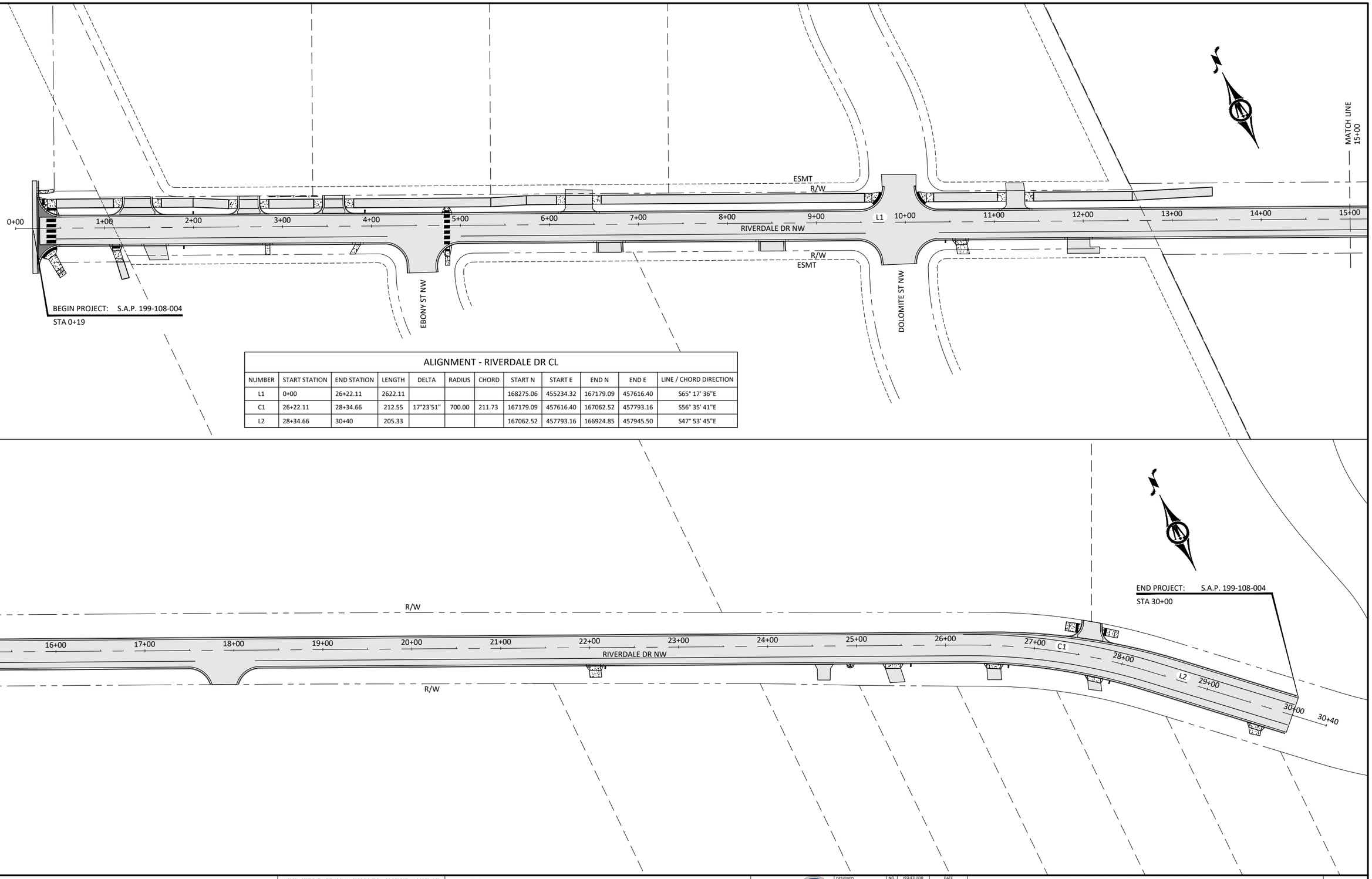
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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
QUANTITY TABLES



ALIGNMENT - RIVERDALE DR CL

NUMBER	START STATION	END STATION	LENGTH	DELTA	RADIUS	CHORD	START N	START E	END N	END E	LINE / CHORD DIRECTION
L1	0+00	26+22.11	2622.11				168275.06	455234.32	167179.09	457616.40	S65° 17' 36"E
C1	26+22.11	28+34.66	212.55	17°23'51"	700.00	211.73	167179.09	457616.40	167062.52	457793.16	S56° 35' 41"E
L2	28+34.66	30+40	205.33				167062.52	457793.16	166924.85	457945.50	S47° 53' 45"E

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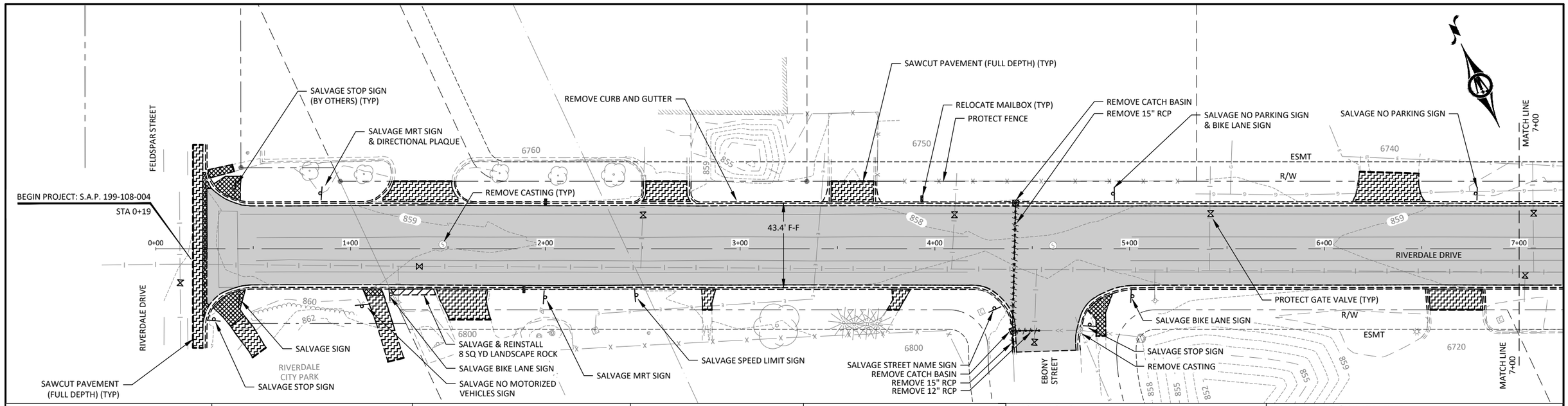
CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

ALIGNMENT TABULATIONS

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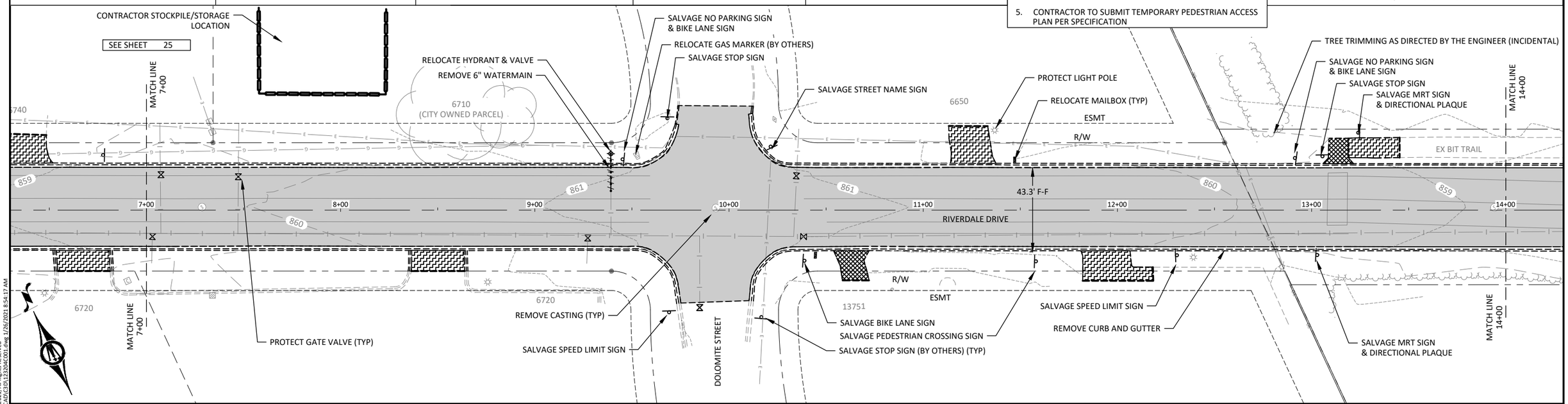
- CONSTRUCTION LIMITS
- REMOVE CURB & GUTTER
- SAWCUT PAVEMENT (FULL DEPTH)
- RELOCATE MAILBOX
- SALVAGE EXISTING SIGN
- REMOVE CATCH BASIN
- REMOVE STORM SEWER
- RELOCATE HYDRANT & VALVE
- REMOVE WATERMAIN
- RECLAIM BIT PAVEMENT (HAUL AND/OR STOCKPILE)
- REMOVE BIT PAVEMENT
- REMOVE CONCRETE PAVEMENT
- SALVAGE LANDSCAPE ROCK
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- EXISTING CURB & GUTTER
- PAVEMENT MARKING
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- UNDERGROUND GAS
- UNDERGROUND COMM
- UNDERGROUND ELECTRIC
- OVERHEAD UTILITY
- MARKER - GAS
- TRANSFORMER-ELECTRIC
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC
- HANDHOLE
- POLE - LIGHT
- POLE-UTILITY
- GUY WIRE ANCHOR
- EXISTING TRAFFIC SIGN
- FENCE
- FIRE HYDRANT
- VALVE
- WATERMAIN
- CATCH BASIN
- STORM OVERFLOW STRUCTURE
- STORM SEWER
- SANITARY MANHOLE
- EDGE OF VEGETATION
- TREE-CONIFEROUS
- TREE-DECIDUOUS

REMOVAL NOTES

1. CONTRACTOR SHALL CALL GOPHER STATE ONE CALL. ALL UTILITIES MUST BE LOCATED PRIOR TO THE START OF CONSTRUCTION.
2. RECLAMATION MILLINGS SHALL BE STOCKPILED AT A LOCATION APPROVED BY THE ENGINEER
3. CONTRACTOR SHALL PROTECT ALL EXISTING UTILITY STRUCTURES THAT ARE NOT BEING REMOVED OR RELOCATED.
4. CONTRACTOR TO VERIFY REMOVAL LIMITS WITH ENGINEER PRIOR TO SAWCUTTING, INCLUDING TREE REMOVALS.
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SCALE 0 25 50 FEET

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KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

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7533 SUNWOOD DR NW, SUITE 206
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

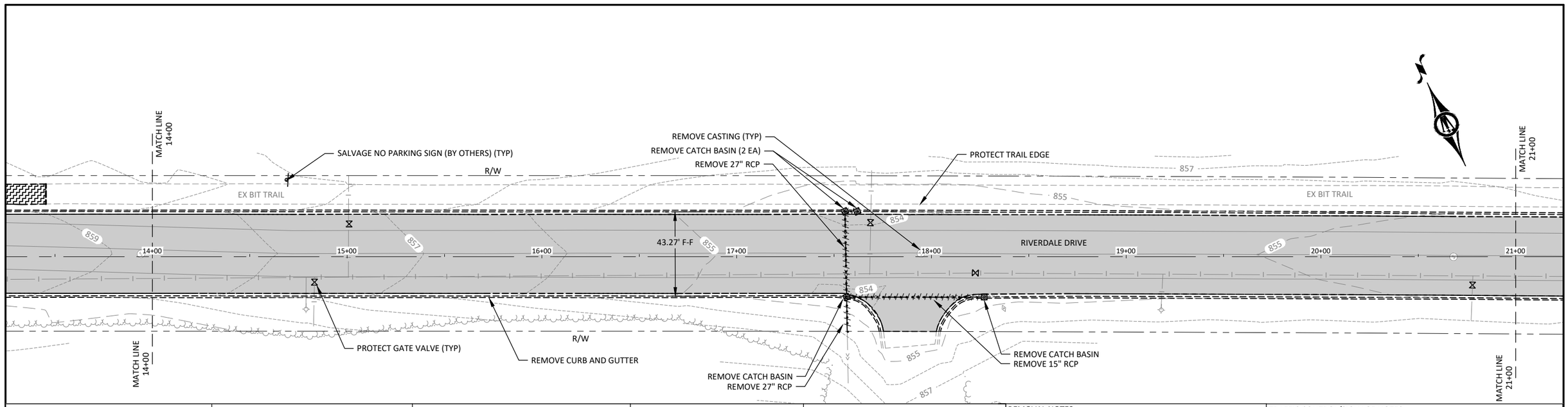
NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

EXISTING CONDITIONS & REMOVALS PLAN

SHEET 6 OF 48



LEGEND

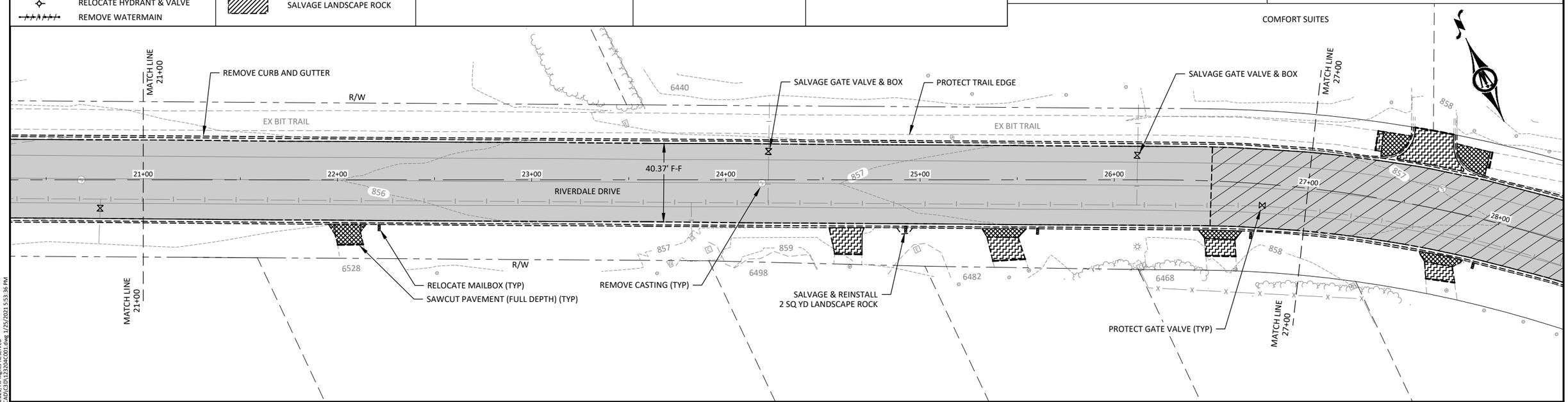
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- REMOVE CURB & GUTTER
- SAWCUT PAVEMENT (FULL DEPTH)
- RELOCATE MAILBOX
- SALVAGE EXISTING SIGN
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0 25 50
SCALE FEET

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Email: Ramsey@bolton-menk.com
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City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

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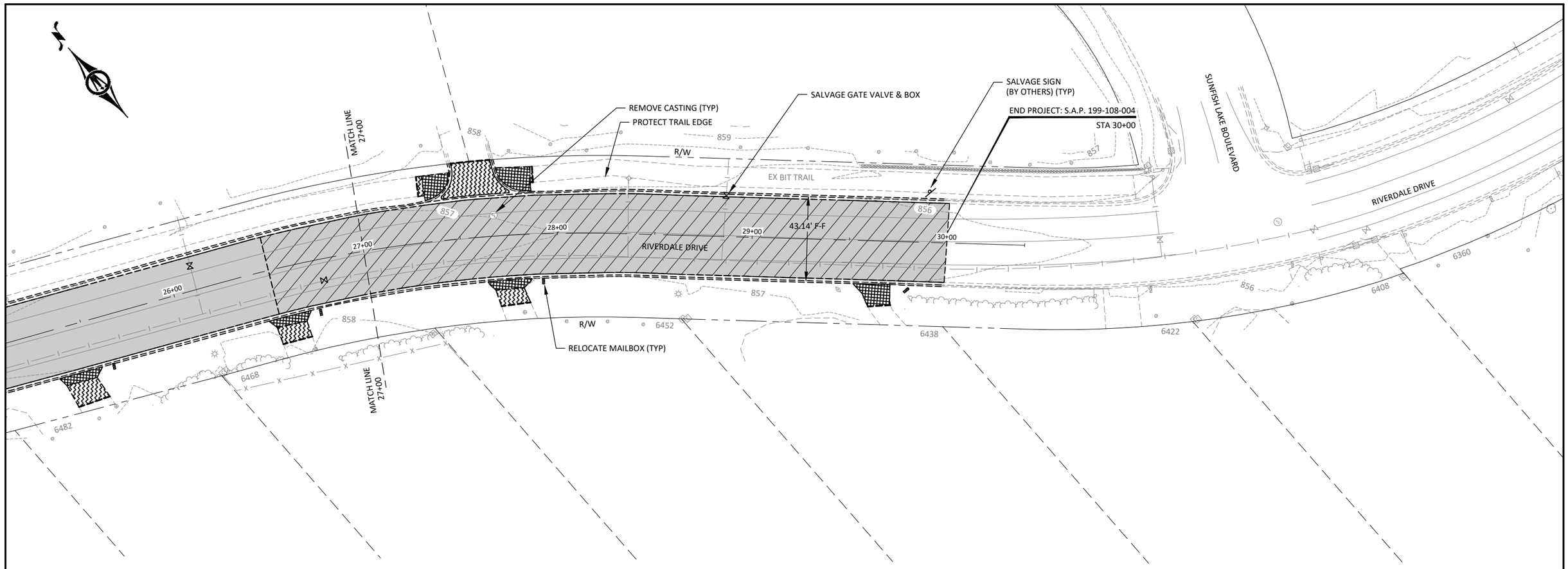
CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

EXISTING CONDITIONS & REMOVALS PLAN

SHEET 7 OF 48

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LEGEND

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City of RAMSEY

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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
EXISTING CONDITIONS & REMOVALS PLAN

SHEET 8 OF 48

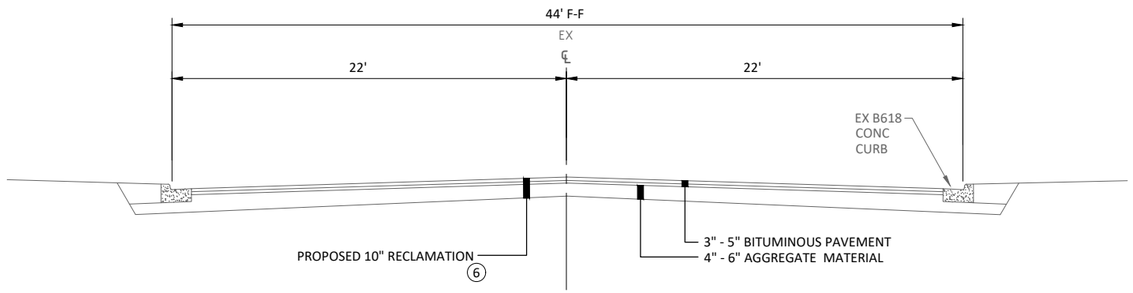
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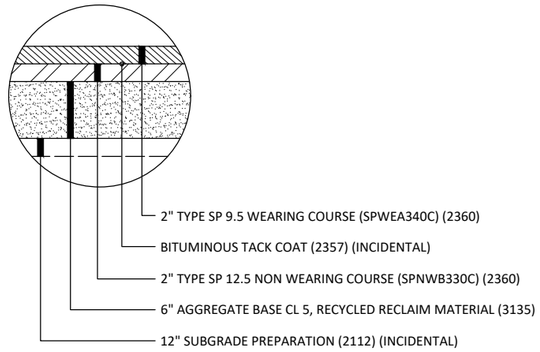
EXISTING TYPICAL SECTION

RIVERDALE DRIVE NW

NOT TO SCALE

STA 0+19 TO STA STA 30+00





INSET A - BITUMINOUS ROADWAY

NOT TO SCALE

NOTES:

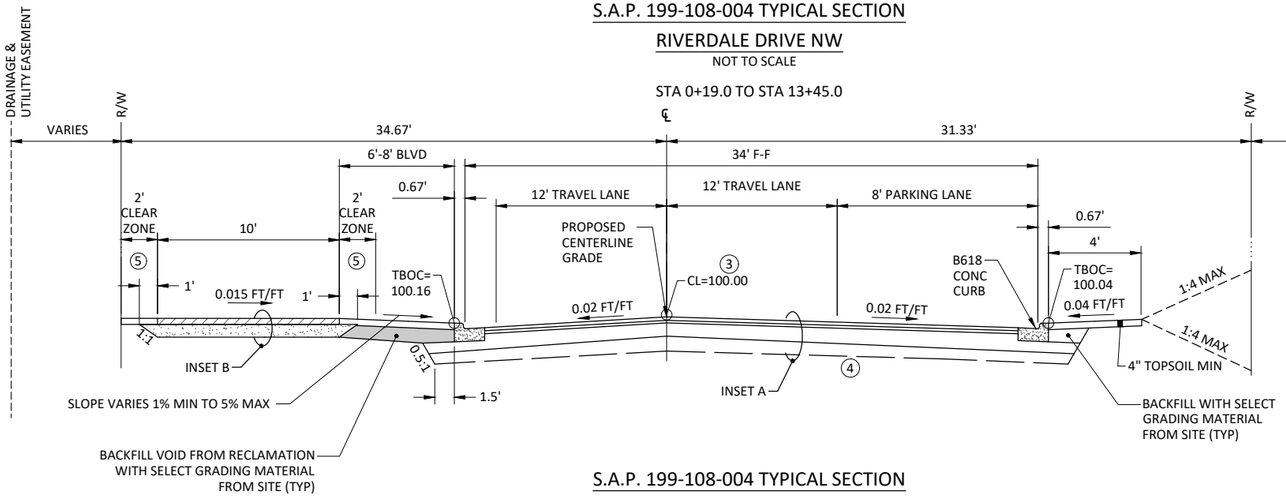
1. ANY VARIATIONS FROM THE TYPICAL SECTION DIMENSIONS ARE SHOWN ON THE PLAN DRAWINGS
2. PAVEMENT SLOPES AT INTERSECTION LOCATIONS MAY VARY FROM THOSE SHOWN ON THE TYPICAL SECTION
3. ELEVATIONS SHOWN ARE RELATIVE TO C/L AND DO NOT RELATE TO ACTUAL CONSTRUCTION GRADES
4. SUBGRADE SHALL BE TEST ROLLED PRIOR TO AGGREGATE BASE INSTALLATION AND CONFORM TO MnDOT SPEC 2111
5. TRAIL CLEAR ZONE 1:6 MAX, NO TRAFFIC SIGNS SHALL BE INSTALLED WITHIN TRAIL CLEAR ZONE
6. ALL OF RECLAIM MATERIAL GENERATED SHALL BE HAULED OFF OF ROAD BED. A PORTION OF THE MATERIAL SHALL BE REUSED AS AGGREGATE BASE

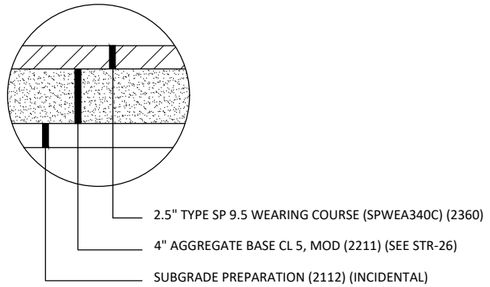
S.A.P. 199-108-004 TYPICAL SECTION

RIVERDALE DRIVE NW

NOT TO SCALE

STA 0+19.0 TO STA 13+45.0





INSET B - BITUMINOUS TRAIL

NOT TO SCALE

TABLE A MODIFIED CLASS 5 SPECIFICATIONS	
% PASSING	
1"	100
3/4"	90 – 100
3/8"	50 – 80
No.4	35 – 70
No.10	20 – 60
No.40	10 – 35
No.200	5 – 10

NOTES:
1. THE AGGREGATE BASE CONSTRUCTION WILL BE ACCEPTED FOR PAYMENT IN ACCORDANCE WITH THE PROVISIONS IN TABLE A.
2. IF THE AGGREGATE BASE FAILS TO MEET THE REQUIREMENTS OF TABLE A THE MATERIAL CAN BE CORRECTED IN PLACE OR REMOVED AND REPLACED WITH MATERIAL THAT MEET THE REQUIREMENTS OF TABLE A.
3. IN THE EVENT THAT RECYCLED MATERIAL IS USE IT MUST MEET MNDOT REQUIREMENTS FOR RECYCLED BASE.

APPROVED: 2 – 2003

City of RAMSEY

STANDARD DETAILS: MODIFIED CLASS 5 SPECIFICATIONS

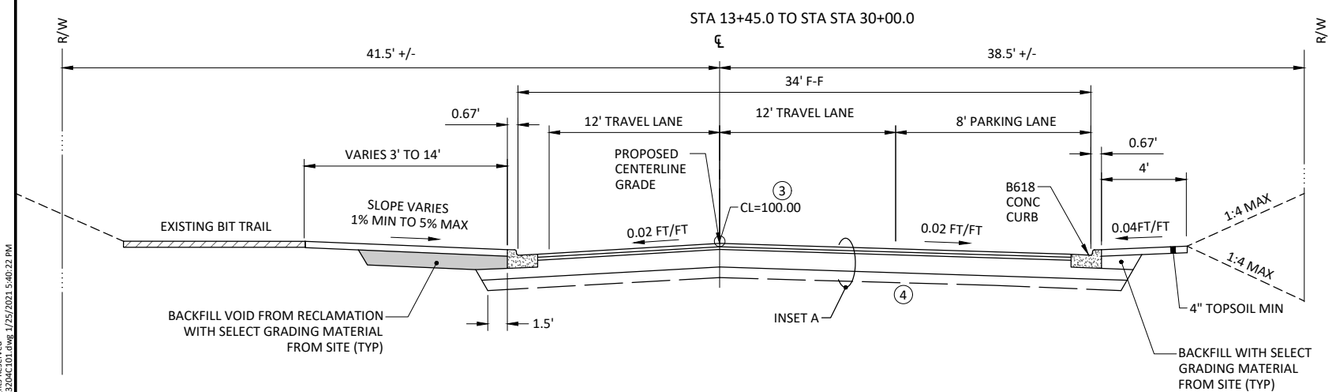
CITY PLATE No. STR-26

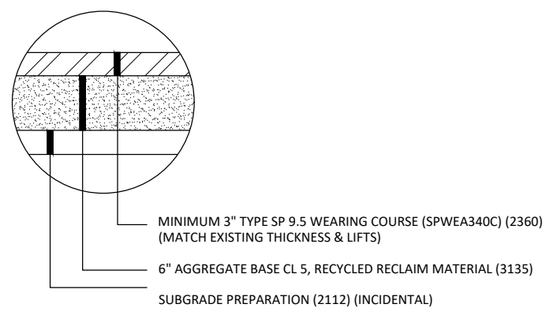
S.A.P. 199-108-004 TYPICAL SECTION

RIVERDALE DRIVE NW

NOT TO SCALE

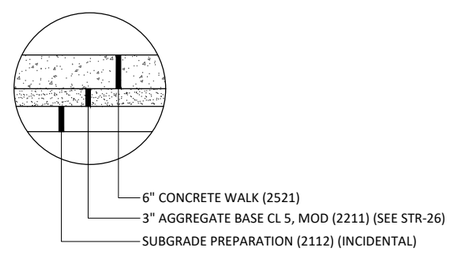
STA 13+45.0 TO STA STA 30+00.0





BITUMINOUS DRIVEWAY (COMMERCIAL)

NOT TO SCALE



CONCRETE WALK / PEDESTRIAN RAMP

NOT TO SCALE

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City of RAMSEY

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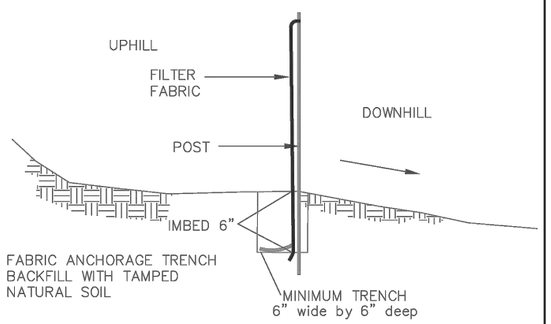
NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

TYPICAL SECTIONS

SHEET 9 OF 48

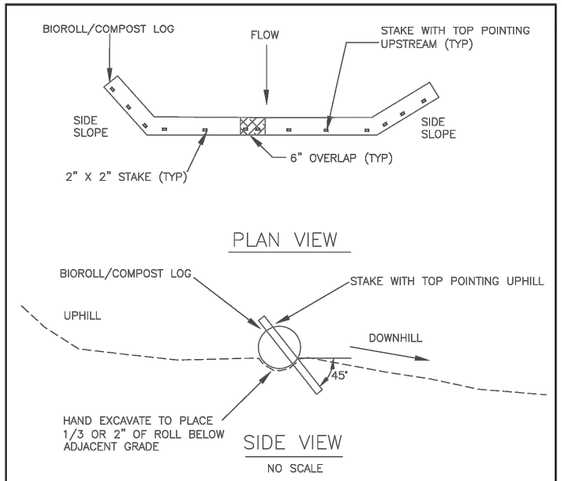


INSTALL AS PER FILTER FABRIC MANUFACTURER'S RECOMMENDATIONS

SILT FENCE DETAIL

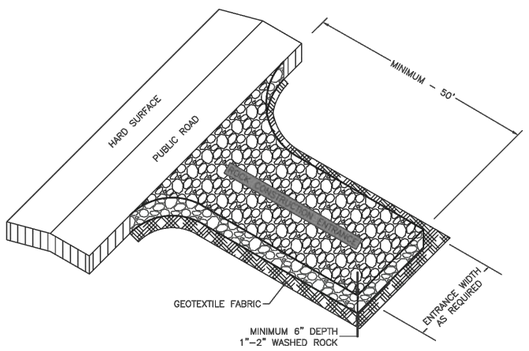
NO SCALE

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

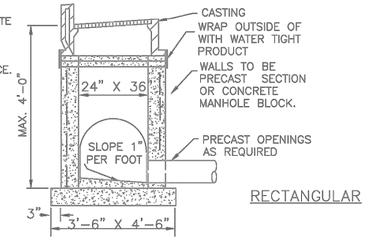


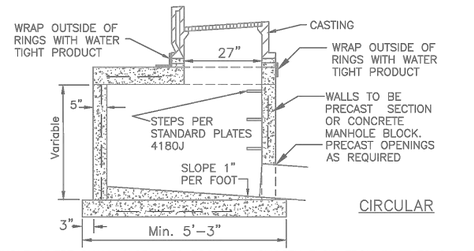
NOTE:
1. MINIMUM CONSTRUCTION ENTRANCE WIDTH EQUAL TO PROPOSED ROADWAY WIDTH.
2. WIDTH OF RADIUS AS REQUIRED TO ENSURE VEHICLES DO NOT TRACK ONTO PUBLIC ROAD.
3. MAINTAINENCE AS REQUIRED TO PREVENT TRACKING ONTO PUBLIC ROADS. THIS MAY REQUIRE TOP DRESSING WITH ADDITIONAL ROCK OR REMOVAL AND REINSTALLATION OF THE ENTRANCE AS NEEDED.

NOT TO SCALE

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: ROCK CONSTRUCTION ENTRANCE
		CITY PLATE No. ERO–5

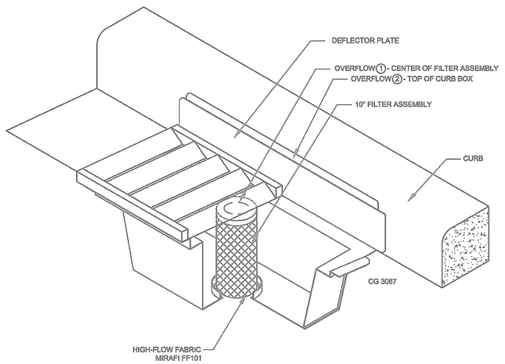
A 5 FT. GREEN CARSONITE MARKER SHALL BE INSTALLED NEXT TO ALL STRUCTURES NOT IN A PAVED OR HARD SURFACE.





NOTES:
1. MANHOLE INVERT SHALL 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,SHIMS SHALL BE METAL, CONCRETE OR PLASTIC
5. INSPECTION OF MANHOLE REQUIRED BEFORE BACKFILLING
6. A 10 GAUGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL STORM LINES.
7. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE
8. STEPS ARE REQUIRED IF STRUCTURE FROM THE CASTING TO THE INVERT IS GREATER THAN 4 FEET
9. TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS

APPROVED: 4 – 2007	City of RAMSEY	STANDARD DETAILS: CATCH BASIN
		CITY PLATE No. STO–1

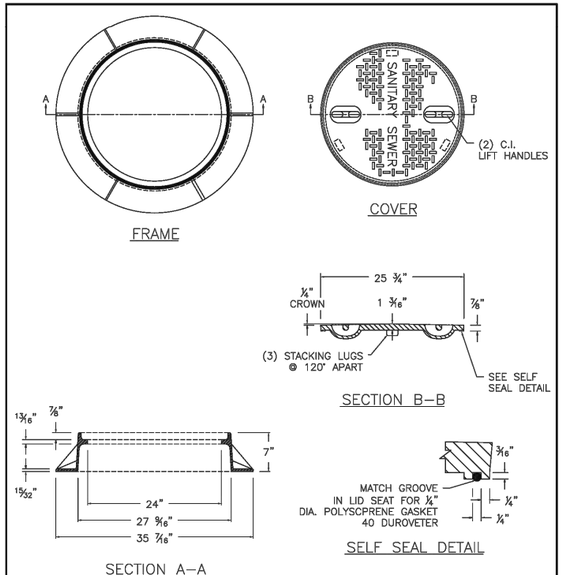


INLET PROTECTION – WIMCO OR EQUAL

N.T.S.

NOTE:
THIS INLET PROTECTION SHALL BE USED IMMEDIATELY FOLLOWING CURB & GUTTER CONSTRUCTION. INLET PROTECTION SHALL REMAIN INSTALLED AND MAINTAINTED UNTIL ALL HOME CONSTRUCTION IS COMPLETE.

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: INLET PROTECTION
		CITY PLATE No. ERO–2

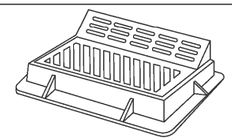


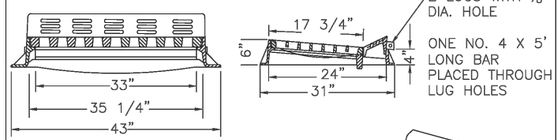
NOTE: NOT TO SCALE

APPROVED: 11 – 2015	City of RAMSEY	STANDARD DETAILS: WATER TIGHT CASTING
		CITY PLATE No. SEW–2

NOTE: SURMOUNTABLE CURB & GUTTER

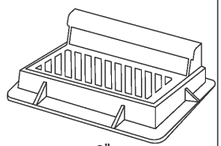
1. CATCH BASIN CASTING SHALL BE NEENAH R–3067 WITH GRATED BACK (BICYLE SAFE) OR APPROVED EQUAL.
2. FOR CATCH BASINS ADJACENT TO RADIUS, USE NEENAH R–3246R OR APPOVED EQUAL.

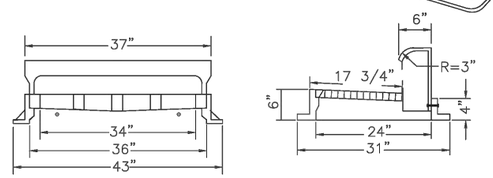




NOTE: B 618 CURB & GUTTER

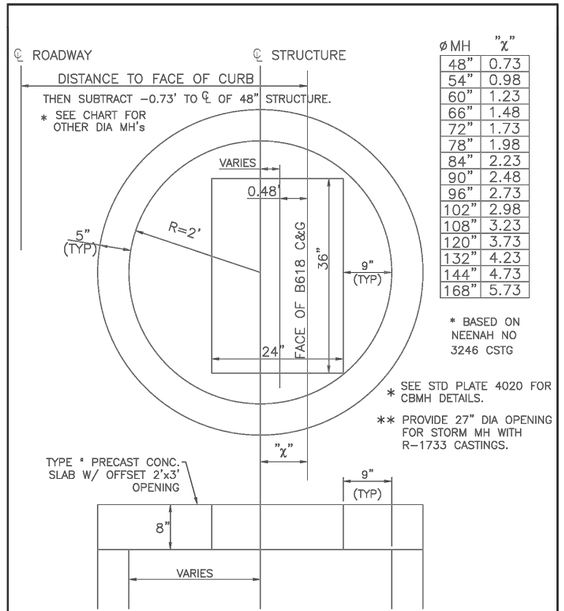
1. CATCH BASIN CASTING SHALL BE NEENAH R–3246R OR APPROVED EQUAL.





STANDARD CATCHBASIN CASTING

APPROVED: 7 – 2016	City of RAMSEY	STANDARD DETAILS: STORMWATER CASTING
		CITY PLATE No. STO–4



ø MH	"X"
48"	0.73
54"	0.98
60"	1.23
66"	1.48
72"	1.73
78"	1.98
84"	2.23
90"	2.48
96"	2.73
102"	2.98
108"	3.23
120"	3.73
132"	4.23
144"	4.73
168"	5.73

* BASED ON NEENAH NO 3246 CSTG

* SEE STD PLATE 4020 FOR CBMH DETAILS.

** PROVIDE 27" DIA OPENING FOR STORM MH WITH R–1733 CASTINGS.

APPROVED: 4 – 2005	City of RAMSEY	STANDARD DETAILS: SLAB TOP MANHOLE COVER
		CITY PLATE No. STO–5

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KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

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Email: Ramsey@bolton-menk.com
www.bolton-menk.com

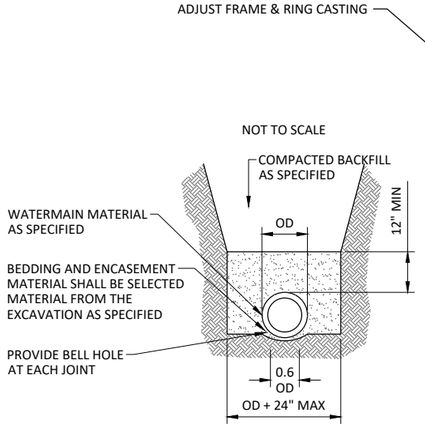
City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

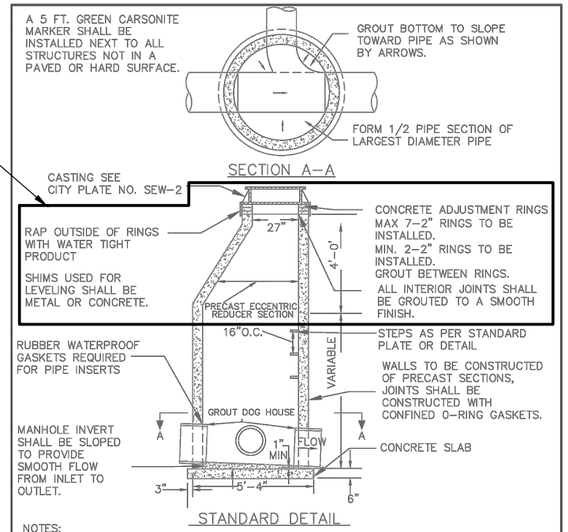
NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
CONSTRUCTION DETAILS

SHEET 10 OF 48



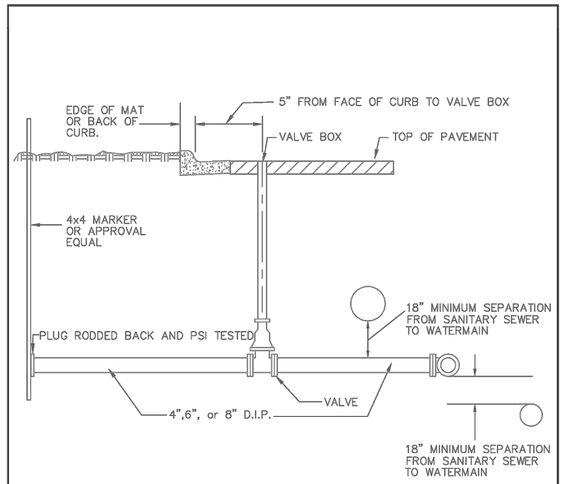
DIP WATERMAIN TRENCH
NOT TO SCALE



STANDARD DETAIL

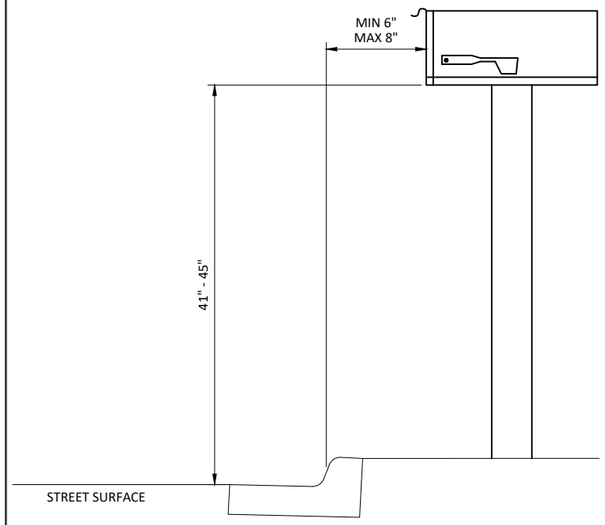
NOTES:
1. A 10 GAGE SOLID COPPER TRACER WIRE IS REQUIRED WITH ALL SEWER LINES.
2. CONDUCTIVITY IS REQUIRED ON ALL TRACER WIRE.
3. TRACER WIRES ARE TO END IN STRUCTURES, AT FINISHED GRADE ON ALL SERVICES AND STUBS.
4. 6" BASE FOR ALL MANHOLES LESS THAN 14 FT. OF DEPTH, INCREASE BASE THICKNESS 2" PER 6 FT. OF DEPTH BEYOND 14 FT.
5. 5" PRECAST BASE MAY BE USED FOR MANHOLES LESS THAN 14 FT. DEEP.
6. ALL INVERTS TO BE 0.10' ABOVE OUTLET,

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: SANITARY MANHOLE
		CITY PLATE No. SEW–1

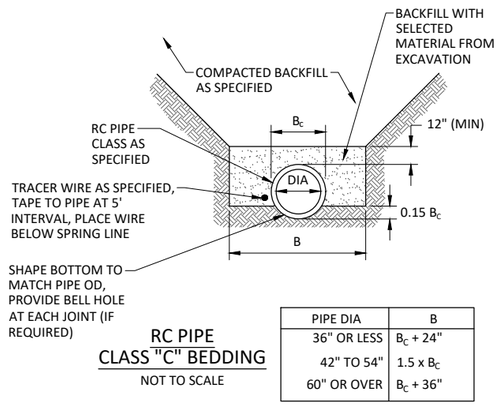


NOTES:
1.SHALL BE BLOCKED OR TIED TO THE MAIN WITH 2–3/4" DIAMETER TIE RODS. ALL TIE RODS TO BE COAL TAR COATED AFTER INSTALLATION. RESTRAINED JOINT PIPE AND RETAINING GLANDS MAY BE USED. **SHALL BE PAID AS REPAIR WATER SERVICE, PER EACH**

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: COMMERCIAL SERVICE
		CITY PLATE No. WAT–5

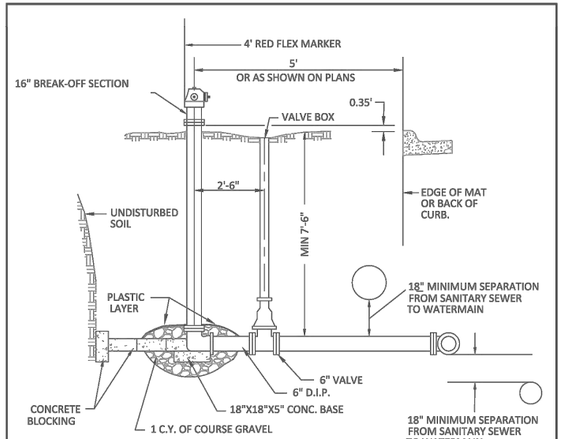


MAILBOX INSTALLATION
NOT TO SCALE



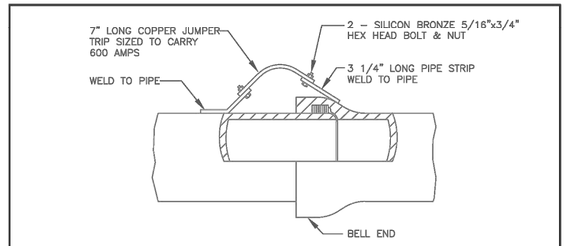
RC PIPE CLASS "C" BEDDING
NOT TO SCALE

PIPE DIA	B
36" OR LESS	B_c + 24"
42" TO 54"	1.5 x B_c
60" OR OVER	B_c + 36"



NOTES:
1. HYDRANT SHALL BE 5-1/4" WB67 WATEROUS PACER OR APPROVED EQUAL.
2. HYDRANTS TO BE ORDERED FOR 8'-0" BURY. IN AREAS OF EXTRA DEPTH ON THE WATERMAIN, HYDRANTS EXTENSIONS MAY BE REQUIRED.
3. HYDRANTS SHALL BE BLOCKED OR TIED TO THE TEE AT MAIN WITH 2-3/4" DIAMETER TIE RODS. ALL TIE RODS TO BE COAL TAR COATED AFTER INSTALLATION. RESTRAINED JOINT PIPE AND RETAINING GLANDS MAY BE USED.
4. TOP NUT OF HYDRANT 2.5' ABOVE TOP BACK OF CURB OR BITUMINOUS SURFACE.
5. HYDRANTS BURIED BELOW WATER TABLE, DRAIN HOLES NEED TO BE PLUGGED AND HYDRANT MARKED BY PAINTING 5" CAP YELLOW.
6. BRUSH PAINT ALL HYDRANTS AFTER INSTALLATION IS COMPLETE.
7. PUMPER NOZZLE .5.75" O.D. X 4 T.P.I, HOSE NOZZLE 3.06" O.D. X 7 T.P.I.

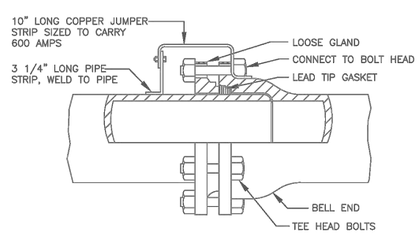
APPROVED: 6 – 2017	City of RAMSEY	STANDARD DETAILS: HYDRANT
		CITY PLATE No. WAT–1



PUSH ON JOINT

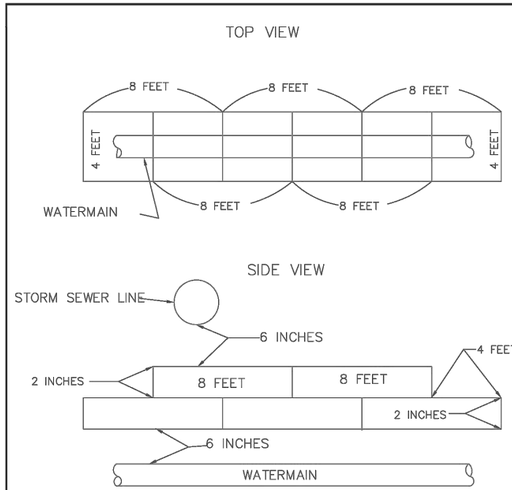
NOTE: DO NOT PASS CURRENT THROUGH PIPE UNLESS PIPE IS FULL OF WATER.

ALTERNATE METHOD BY AMERICAN CAST –IRON USING 4 COPPER CONTACT STRIPS IS AN APPROVED EQUAL TO ABOVE



MECHANICAL JOINT

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: JOINT CONNECTION
		CITY PLATE No. WAT–4



NOTES: 1) SHEETS ARE 2 INCHES BY 4 FEET BY 8 FEET
2) SURFACE PREPARATION SHALL BE SMOOTH AND ROCK FREE
3) JOINTS WILL BE OVERLAPPED BY 4 FEET
4) POLYSTYRENE INSULATION OR APPROVED EQUAL

APPROVED: 4 – 2016	City of RAMSEY	STANDARD DETAILS: UTILITY INSULATION
		CITY PLATE No. WAT–6

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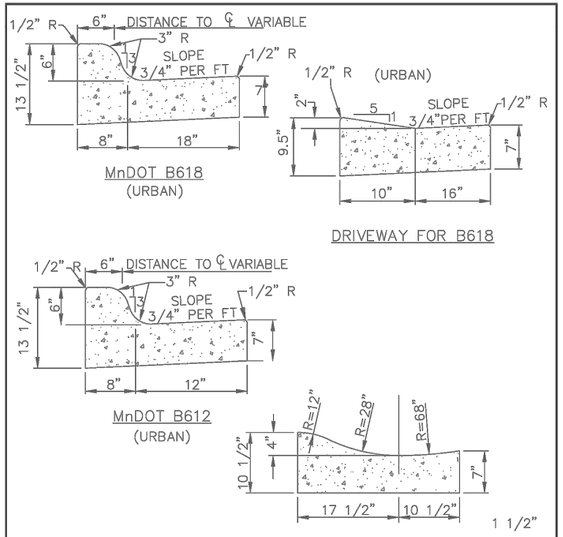
City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
CONSTRUCTION DETAILS

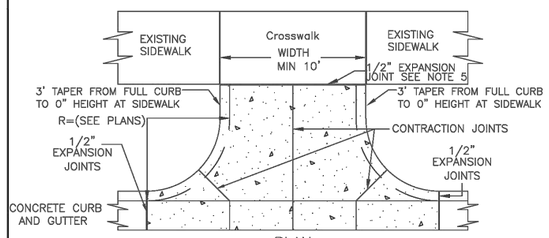
SHEET 11 OF 48



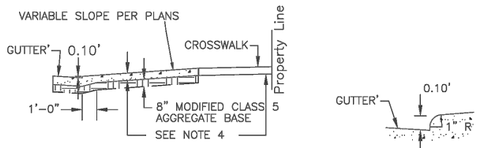
NOTES:

1. ON WEAR COURSE MILL THE EXISTING BITUMINOUS 1.5" BY 24" IN FRONT OF THE REPLACEMENT CURB.
2. ON BASE COURSE SAW CUT AND REMOVE EXISTING BITUMINOUS 18" IN FRONT OF THE REPLACEMENT CURB.

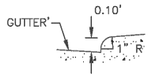
APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: CURB AND GUTTER
		CITY PLATE No. STR-1



PLAN



SECTION ON ℄ DRIVEWAY

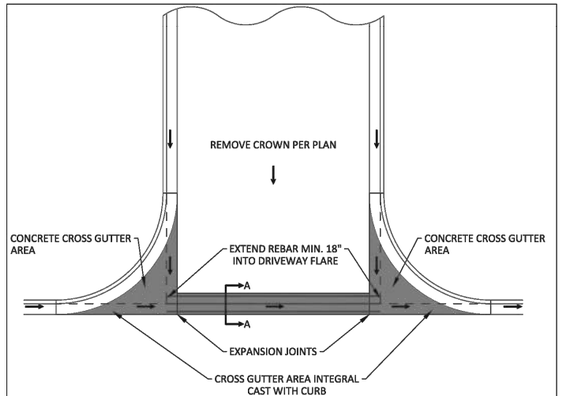


DETAIL OF LIP

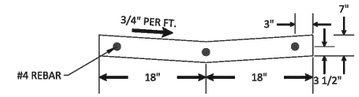
NOTES:

1. PANEL WIDTH SHALL NOT EXCEED 10 FT. WITHOUT A CENTERLINE CONSTRUCTION JOINT.
2. DRIVEWAY TO BE ONE COURSE CONCRETE PAVEMENT. (SEE SPECIAL PROVISIONS FOR CLASS OF CONCRETE.)
3. GUTTER TO BE PAVED INTEGRAL WITH DRIVEWAY.
4. 8" THICK FOR COMMERCIAL DRIVEWAYS.
5. 1/2" EXPANSION JOINT, 1/2" PREFORMED JOINT FILLER MATERIAL, AASHTO M 213 (REQUIRED WHEN 2 CONCRETE AREAS ARE POURED SEPARATELY.)

APPROVED: 4 – 2016	City of RAMSEY	STANDARD DETAILS: COMMERCIAL DRIVEWAY CURBCUT
		CITY PLATE No. STR-14



PLAN



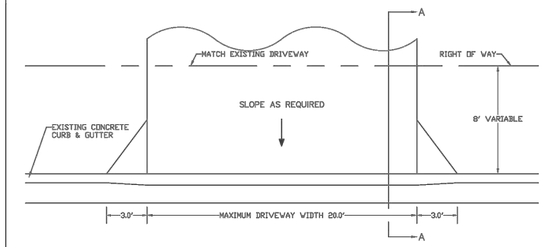
SECTION A-A

NOTE: NOT TO SCALE

NOTES:

1. WITH REMOVAL OF EXISTING CURB AT A STREET, MILL BITUMINOUS TO A DEPTH OF 1.5" AND A WIDTH OF 18" IN EXISTING STREET.
2. TO BE USED WHENEVER CROSS DRAINAGE IS < 2%.
3. CONCRETE CURB AND GUTTER SHALL BE CAST INTEGRAL WITH CONCRETE CROSS GUTTER AREA.
4. CONCRETE CURB AND GUTTER SHALL BE PAID SEPARATELY FROM CONCRETE CROSS GUTTER AREA.

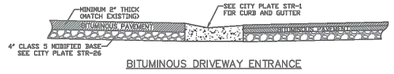
APPROVED: 3 – 2017	City of RAMSEY	STANDARD DETAILS: CROSS GUTTER
		CITY PLATE No. STR-2



SECTION A–A



CONCRETE DRIVEWAY ENTRANCE



BITUMINOUS DRIVEWAY ENTRANCE

NOTES:

1. PANEL WIDTH SHALL NOT EXCEED 10 FT. WITHOUT A CENTERLINE CONSTRUCTION JOINT.
2. CONCRETE DRIVEWAY TO BE ONE COURSE CONCRETE PAVEMENT. (SEE SPECIAL PROVISIONS FOR CLASS OF CONCRETE.)
3. CONCRETE DRIVEWAYS TO BE 6" THICK.
4. ½" EXPANSION JOINT, ½" PREFORMED JOINT FILLER MATERIAL, AASHTO M 213 (REQUIRED WHEN 2 CONCRETE AREAS ARE POURED SEPERATELY.)
5. BITUMINOUS DRIVEWAYS MINIMUM 2" THICK, MATCH EXISTING BITUMINOUS PAVEMENT THICKNESS.

APPROVED: 1 – 2016	City of RAMSEY	STANDARD DETAILS: RESIDENTIAL DRIVEWAY – NO SIDEWALK
		CITY PLATE No. STR-30

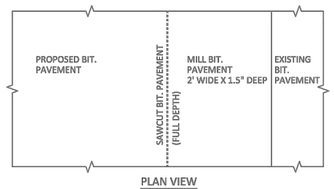
Notes:

1. INSTALLATION OF 4" OF TOPSOIL REQUIRED ACROSS ALL DISTURBED AREAS.
2. TOPSOIL IS DEFINED AS BLACK DIRT COMPOSED OF UNCONSOLIDATED MATERIAL, LARGELY UNDECOMPOSED ORGANIC MATTER WHICH IS SUITABLE FOUNDATION FOR VEGETATIVE GROWTH.
3. THE COMPOSITION OF TOPSOIL SHOULD CONTAIN NO MORE THAN THIRTY-FIVE PERCENT (35%) SAND CONTENT.

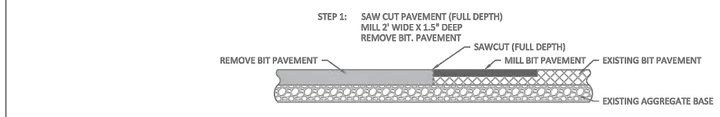
APPROVED: 7 – 2019	City of RAMSEY	STANDARD DETAILS: TOPSOIL REQUIREMENTS
		CITY PLATE No. ERO-6

NOTES:

1. BITUMINOUS SHALL BE SAWCUT AND REMOVED
2. CLASS 5 AND BITUMINOUS COURSES SHALL BE MECHANICALLY COMPACTED.
3. SEE CITY PLATE STR-26 FOR MODIFIED CLASS 5 SPECIFICATIONS.



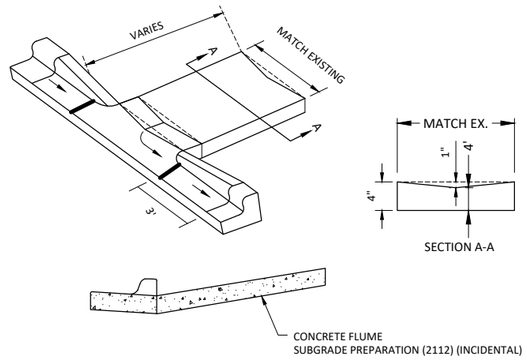
PLAN VIEW



SECTION VIEW

NOTE: NOT TO SCALE.

APPROVED: 3 – 2017	City of RAMSEY	CITY PLATE No. STR-31	STANDARD DETAILS: STREET TIE-IN



PROFILE VIEW

CURB CUT WITH CONCRETE FLUME

NOT TO SCALE

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City of RAMSEY

DESIGNED	ZFL
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CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

CONSTRUCTION DETAILS

SHEET 12 OF 48

SITE SPECIFIC DATA*

PROJECT NUMBER			
PROJECT NAME			
PROJECT LOCATION			
STRUCTURE ID	SC-5		
WATER QUALITY FLOW RATE (CFS)			
PEAK FLOW RATE (CFS)			
PEAK STORM DURATION (YEARS)			
PIPE DATA	I.E.	MATERIAL	DIAMETER
INFLOW PIPE 1			
OUTFLOW PIPE 1			
RIM ELEVATION			
SUMP ELEVATION			
SURFACE LOADING REQUIREMENT			HS20
FRAME AND COVER		(1) ø30"	
SKIMMER WALL HEIGHT			STANDARD
KNOWN GROUNDWATER ELEVATION			NA

NOTES: CONCEPT ONLY, NOT FOR CONSTRUCTION. TREATMENT FLOW RATES PER LOCAL REGULATIONS.

*PER ENGINEER OF RECORD

PERFORMANCE DATA

TREATMENT FLOW RATE (CFS)	
TSS REMOVAL EFFICIENCY	80%
HYDRAULIC GRADE LINE	

SUMP CHAMBER CAPACITY

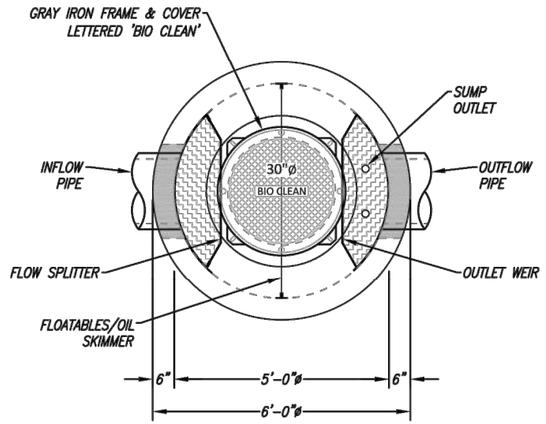
DIAMETER (FT)	AREA (SF)	HEIGHT (FT)	TOTAL (CF)
5	19.63		

INSTALLATION NOTES

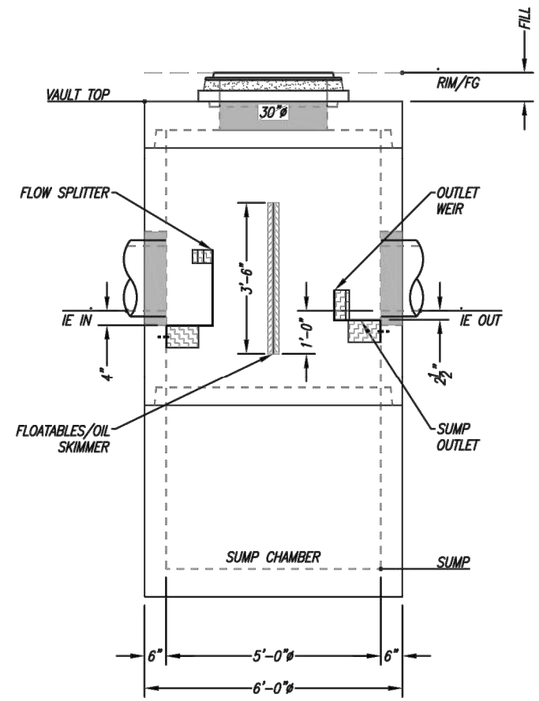
1. CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS, AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SCICLONE UNIT AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURER'S SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURER'S CONTRACT.
2. MANUFACTURER RECOMMENDS A 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT ENGINEER'S RECOMMENDED BASE SPECIFICATIONS.
3. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE (PIPES CANNOT INTRUDE BEYOND FLUSH).
4. ALL GAPS AROUND PIPES SHALL BE SEALED WATERTIGHT WITH A NON-SHRINK GROUT PER MANUFACTURER'S STANDARD CONNECTION DETAIL AND SHALL MEET OR EXCEED REGIONAL PIPE CONNECTION STANDARDS.
5. CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL PIPES, RISERS AND MANHOLES. ALL COVERS SHALL BE SHIPPED LOOSE. CONTRACTOR TO GROUT ALL MANHOLES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE.

1:30 SCALE

3/18/2025STRITCH



PLAN VIEW



ELEVATION VIEW

GENERAL NOTES

1. BIO CLEAN TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED.
2. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS, AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS, AND ACCESSORIES PLEASE CONTACT BIO CLEAN.

THIS PRODUCT MAY BE PROTECTED BY ONE OR MORE OF THE FOLLOWING US PATENTS: 15/700,149; 10,344,466; B-00320. RELATED FOREIGN PATENTS OR OTHER PATENTS PENDING.

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Bio Clean
A Forterra Company

SCICLONE SC-5
HYDRODYNAMIC SEPARATOR
STANDARD DETAIL

(FOR REFERENCE ONLY)

DRAINAGE STRUCTURE DES SPECIAL 2

NOT TO SCALE

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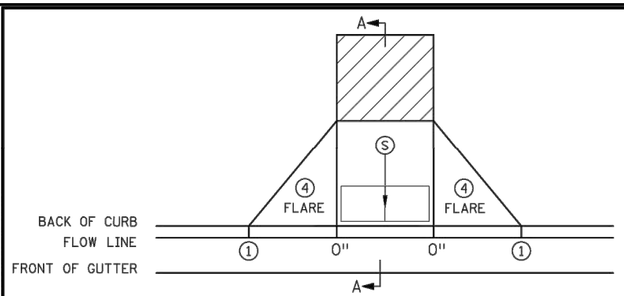
BOLTON & MENK
7533 SUNWOOD DR NW, SUITE 206
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

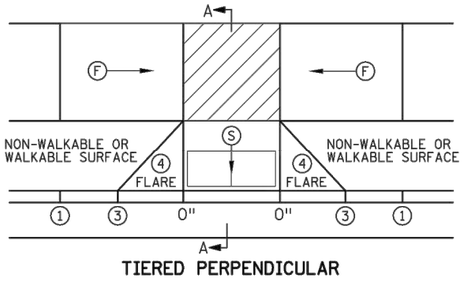
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DRAWN	ZFL
CHECKED	KPK
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NO.	ISSUED FOR	DATE

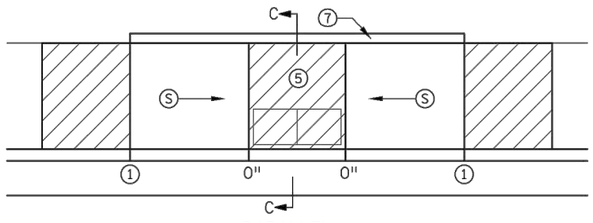
CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
CONSTRUCTION DETAILS



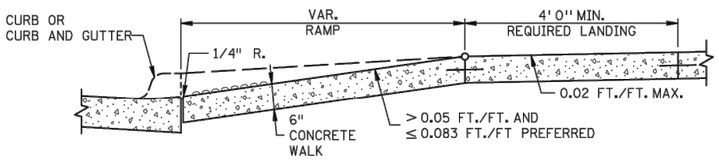
PERPENDICULAR



TIERED PERPENDICULAR

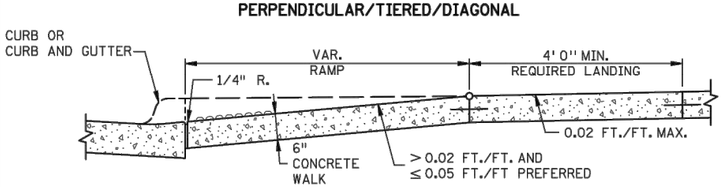


PARALLEL



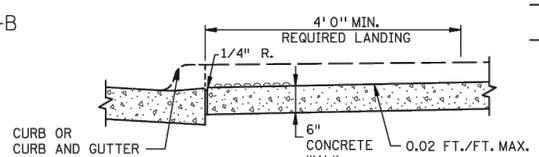
SECTION A-A

PERPENDICULAR/TIERED/DIAGONAL



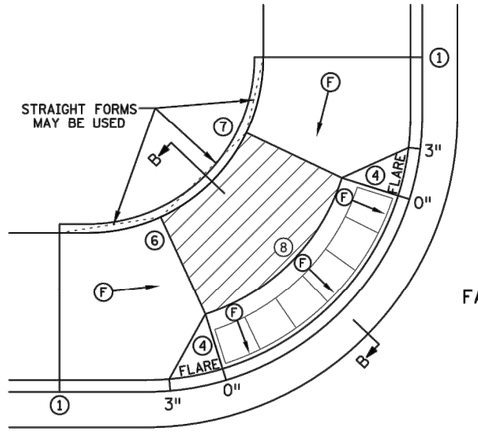
SECTION B-B

FAN

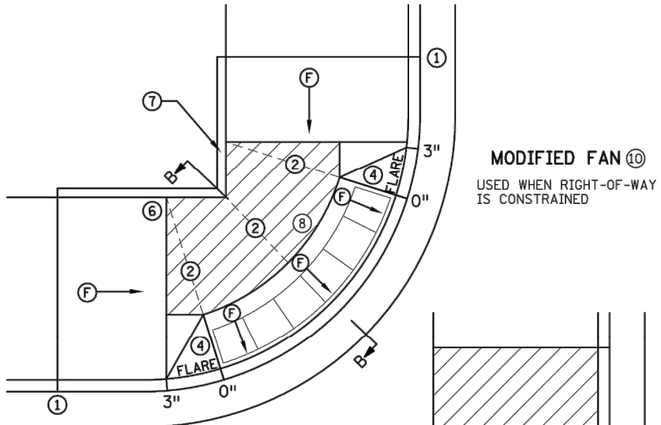


SECTION C-C

PARALLEL/DEPRESSED CORNER



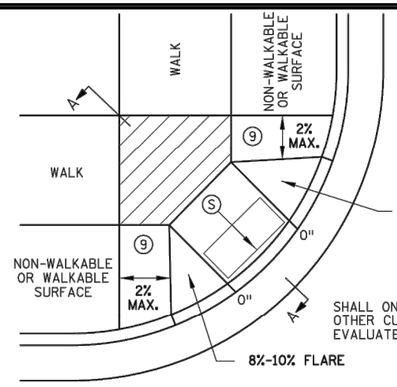
FAN (10)



MODIFIED FAN (10)

USED WHEN RIGHT-OF-WAY IS CONSTRAINED

DEPRESSED CORNER



DIAGONAL

SHALL ONLY BE USED AFTER ALL OTHER CURB RAMP TYPES HAVE BEEN EVALUATED AND DEEMED IMPRACTICAL

NOTES:

LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE GREATER THAN 2%.

INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY APPLICABLE WHEN THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%.

SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL RUNNING SLOPE IS GREATER THAN 5.0%.

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOPS OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH. (EXCEPT AS STATED IN (6) BELOW.

TO ENSURE INITIAL RAMPS AND INITIAL LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS SHALL BE CAST SEPARATELY. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 AND THE ADA SPECIAL PROVISIONS - PROSECUTION OF WORK (ADA).

TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.

WHEN THE BOULEVARD IS 4' WIDE OR LESS, THE TOP OF CURB TAPER SHALL MATCH THE RAMP SLOPES TO REDUCE NEGATIVE BOULEVARD SLOPES FROM THE TOP BACK OF CURB TO THE PAR.

ALL RAMP TYPES SHOULD HAVE A MINIMUM 3' LONG RAMP LENGTH.

4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24" IN THE PATH OF TRAVEL. DETECTABLE WARNING TO COVER ENTIRE WIDTH OF SHARED-USE PATHS AND THE ENTIRE PAR WIDTH OF THE WALK. DETECTABLE WARNING SHOULD BE 6" LESS THAN THE PAR/TRAIL WIDTH. ARC LENGTH OF RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET.

RECTANGULAR DETECTABLE WARNINGS SHALL BE SETBACK 3" FROM THE BACK OF CURB. RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB.

(1) MATCH FULL HEIGHT CURB.
(2) 4' MINIMUM DEPTH LANDING REQUIRED ACROSS TOP OF RAMP.
(3) 3" HIGH CURB WHEN USING A 3' LONG RAMP, 4" HIGH CURB WHEN USING A 4' LONG RAMP.
(4) SEE SHEET 4 OF 6, TYPICAL SIDE TREATMENT OPTIONS, FOR DETAILS ON FLARES AND RETURNED CURBS, WHEN INITIAL LANDING IS AT FULL CURB HEIGHT.
(5) DETECTABLE WARNINGS MAY BE PART OF THE 4' X 4' MIN. LANDING AREA IF IT IS NOT FEASIBLE TO CONSTRUCT THE LANDING OUTSIDE OF THE DETECTABLE WARNING AREA.
(6) THE GRADE BREAK SHALL BE PERPENDICULAR TO THE BACK OF WALK. THIS WILL ENSURE THAT THE GRADE BREAK IS PERPENDICULAR TO THE DIRECTION OF TRAVEL. (TYPICAL FOR ALL)
(7) WHEN ADJACENT TO GRASS, GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS SHOULD BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW & ICE REMOVAL.
(8) A 7' MIN TOP RADIUS GRADE BREAK REQUIRED TO BE CONSTRUCTIBLE.
(9) PAVE FULL WALK WIDTH.
(10) "S" SLOPES ON FANS SHALL ONLY BE USED WHEN ALL OTHER FEASIBLE OPTIONS HAVE BEEN EVALUATED AND DEEMED IMPRACTICAL.

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

(S) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.

(F) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%.

LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

X" CURB HEIGHT

REVISION:

APPROVED: JANUARY 23, 2017

OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

STANDARD PLAN 5-297.250 | 1 OF 6

APPROVED: 1-23-2017

REVISED:

STATE DESIGN ENGINEER

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

PEDESTRIAN CURB RAMP DETAILS

PLOTTED/REVISED: 4-APR-2018

IPLOT NAME: s250_1_spn

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City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

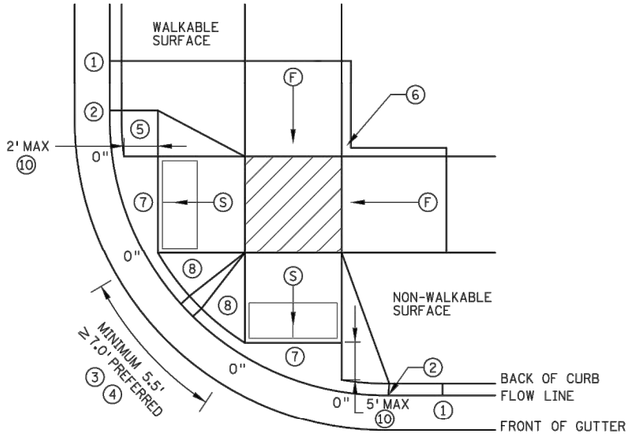
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CITY OF RAMSEY, MINNESOTA

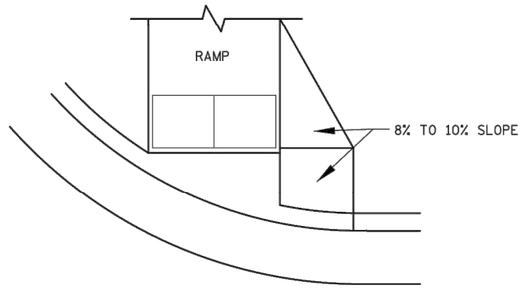
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

PEDESTRIAN CURB RAMP DETAILS

SHEET 14 OF 48



COMBINED DIRECTIONAL ⑨



DIRECTIONAL RAMP WALKABLE FLARE

NOTES:

LANDINGS SHALL BE LOCATED ANYWHERE THE PEDESTRIAN ACCESS ROUTE (PAR) CHANGES DIRECTION, AT THE TOP OF RAMPS THAT HAVE RUNNING SLOPES GREATER THAN 5.0%, AND IF THE APPROACHING WALK IS INVERSE GRADE.

INITIAL CURB RAMP LANDINGS SHALL BE CONSTRUCTED WITHIN 15' FROM THE BACK OF CURB, WITH 6' FROM THE BACK OF CURB BEING THE PREFERRED DISTANCE, ONLY APPLICABLE WHEN THE INITIAL RAMP RUNNING SLOPE IS OVER 5.0%.

SECONDARY CURB RAMP LANDINGS ARE REQUIRED FOR EVERY 30" OF VERTICAL RISE WHEN THE LONGITUDINAL SLOPE IS GREATER THAN 5.0%.

CONTRACTION JOINTS SHALL BE CONSTRUCTED ALONG ALL GRADE BREAKS WITHIN THE PAR. 1/4" DEEP VISUAL JOINTS SHALL BE USED AT THE TOP GRADE BREAK OF CONCRETE FLARES ADJACENT TO WALKABLE SURFACES.

ALL GRADE BREAKS WITHIN THE PAR SHALL BE PERPENDICULAR TO THE PATH OF TRAVEL. THUS BOTH SIDES OF A SLOPED WALKING SURFACE MUST BE EQUAL LENGTH.

TO ENSURE INITIAL RAMPS AND INITIAL LANDINGS ARE PROPERLY CONSTRUCTED, LANDINGS SHALL BE CAST SEPARATELY. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON SHEET 6 AND THE ADA SPECIAL PROVISION (PROSECUTION OF WORK).

TOP OF CURB SHALL MATCH PROPOSED ADJACENT WALK GRADE.

WHEN THE BOULEVARD IS 4' WIDE OR LESS, THE TOP OF CURB TAPER SHALL MATCH THE RAMP SLOPES TO REDUCE NEGATIVE BOULEVARD SLOPES FROM THE TOP BACK OF CURB TO THE PAR.

ALL RAMP TYPES SHOULD HAVE A MINIMUM 3' LONG RAMP LENGTH.

4' MINIMUM WIDTH OF DETECTABLE WARNING IS REQUIRED FOR ALL RAMPS. DETECTABLE WARNINGS SHALL CONTINUOUSLY EXTEND FOR A MIN. OF 24" IN THE PATH OF TRAVEL. DETECTABLE WARNING TO COVER ENTIRE WIDTH OF SHARED-USE PATH AND THE ENTIRE PAR WIDTH OF THE WALK. DETECTABLE WARNING SHOULD BE 6" LESS THAN THE PAR/PATH WIDTH. ARC LENGTH OF RADIAL DETECTABLE WARNINGS SHOULD NOT BE GREATER THAN 20 FEET.

RADIAL DETECTABLE WARNINGS SHALL BE SETBACK 3" MINIMUM TO 6" MAXIMUM FROM THE BACK OF CURB. SEE NOTES ⑩ & ⑪ FOR INFORMATION REGARDING RECTANGULAR DETECTABLE WARNING PLACEMENT.

① MATCH FULL CURB HEIGHT.

② 3" HIGH CURB WHEN USING A 3' LONG RAMP
4" HIGH CURB WHEN USING A 4' LONG RAMP.

③ 3" MINIMUM CURB HEIGHT (5.5' MIN. DISTANCE REQUIRED BETWEEN DOMES)
4" PREFERRED (7' MIN. DISTANCE REQUIRED BETWEEN DOMES).

④ THE "BUMP" IN BETWEEN THE RAMPS SHOULD NOT BE IN THE PATH OF TRAVEL FOR COMBINED DIRECTIONAL RAMPS. IF THIS OCCURS MODIFY THE RAMP LOCATION OR SWITCH RAMP TO A FAN/DEPRESSED CORNER.

⑤ WHEN USING CONCRETE PAVED FLARES ON THE OUTSIDE OF DIRECTIONAL RAMPS, AND ADJACENT TO A WALKABLE SURFACE, DIRECTIONAL RAMP FLARES SHOULD BE USED. SEE THE DETAIL ON THIS SHEET.

⑥ GRADING SHALL ALWAYS BE USED WHEN FEASIBLE. V CURB, IF USED, SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS. WHEN ADJACENT TO PARKING LOTS, CONCRETE OR BITUMINOUS TAPERS SHOULD BE USED OVER V CURB TO REDUCE TRIPPING HAZARDS AND FACILITATE SNOW & ICE REMOVAL.

⑦ MAX. 2.0% SLOPE IN ALL DIRECTIONS IN FRONT OF GRADE BREAK AND DRAIN TO FLOW LINE. SHALL BE CONSTRUCTED INTEGRAL WITH CURB AND GUTTER.

⑧ 8% TO 10% WALKABLE FLARE.

⑨ PLACE DOMES AT THE BACK OF CURB WHEN ALLOWABLE SETBACK CRITERIA IS EXCEEDED.

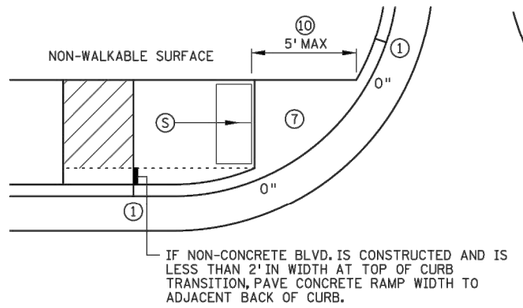
⑩ FRONT EDGE OF DETECTABLE WARNING SHALL BE SET BACK 2' MAXIMUM WHEN ADJACENT TO WALKABLE SURFACE, AND 5' MAXIMUM WHEN ADJACENT TO NON-WALKABLE SURFACE WITH ONE CORNER SET 3" FROM BACK OF CURB. A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.

⑪ RECTANGULAR DETECTABLE WARNINGS MAY BE SETBACK UP TO 9" FROM THE BACK OF CURB WITH CORNERS SET 3" FROM BACK OF CURB. IF 9" SETBACK IS EXCEEDED USE RADIAL DETECTABLE WARNINGS.

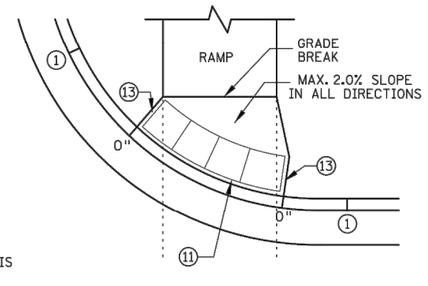
⑫ FOR DIRECTIONAL RAMPS WITH THE DETECTABLE WARNINGS PLACED AT THE BACK OF CURB, THE DETECTABLE WARNINGS SHALL COVER THE ENTIRE WIDTH OF THE WALK/PATH. THIS ENSURES A DETECTABLE EDGE AND HELPS ELIMINATE THE CURB TAPER OBSTRUCTING THE PATH OF PEDESTRIAN TRAVEL.

⑬ THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE BACK OF CURB. MAINTAIN 3" BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

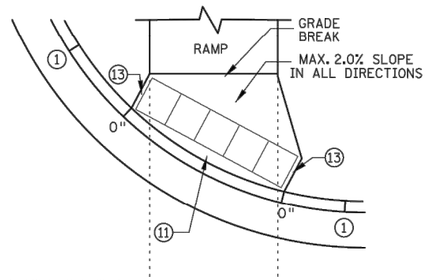
⑭ TO BE USED FOR ALL DIRECTIONAL RAMPS, EXCEPT WHERE DOMES ARE PLACED ALONG THE BACK OF CURB.

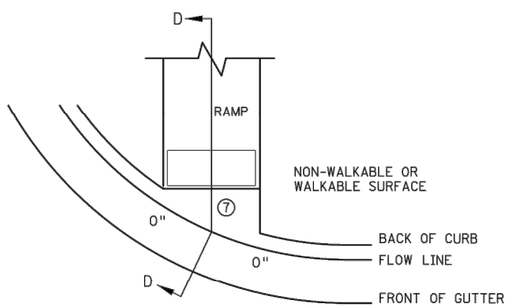


STANDARD ONE-WAY DIRECTIONAL ⑨

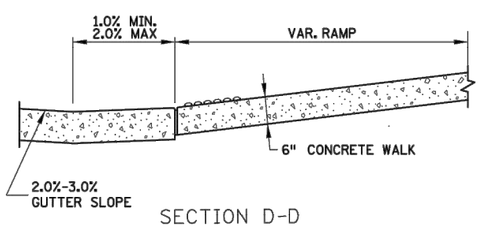


ONE-WAY DIRECTIONAL WITH DETECTABLE WARNING AT BACK OF CURB

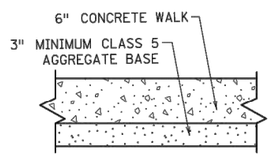




CURB FOR DIRECTIONAL RAMPS ⑭



SECTION D-D



TYPICAL SIDEWALK SECTION WITHIN INTERSECTION CORNER

LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

(S) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.

(F) INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%.

LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

X" CURB HEIGHT

REVISION:
APPROVED: JANUARY 23, 2017
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION
STATE DESIGN ENGINEER

STANDARD PLAN 5-297.250 | 2 OF 6
APPROVED: 1-23-2017
REVISED:

PEDESTRIAN CURB RAMP DETAILS

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

BOLTON & MENK
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Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

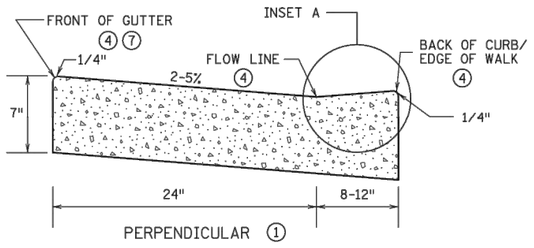
CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
PEDESTRIAN CURB RAMP DETAILS

SHEET 15 OF 48

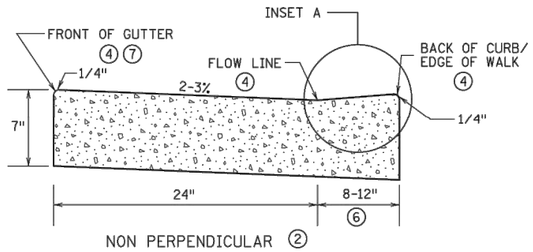
PLOTTED/REVISED: 4-APR-2018

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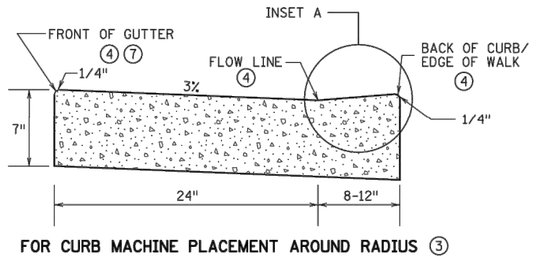


PERPENDICULAR ①

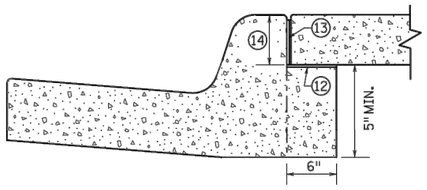


NON PERPENDICULAR ②

PEDESTRIAN ACCESS ROUTE CURB & GUTTER DETAIL

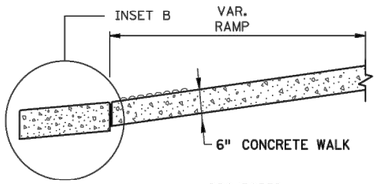


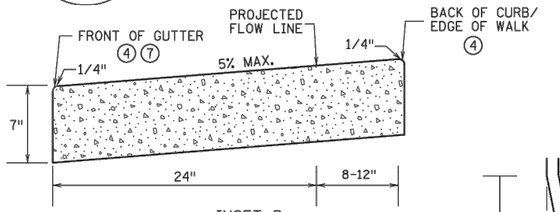
FOR CURB MACHINE PLACEMENT AROUND RADIUS ③
(REGARDLESS OF RAMP TYPE)



OPTIONAL SILL CURB WHEN SIDEWALK IS AT BACK OF CURB

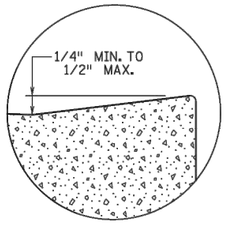
CONCRETE SILL TO BE USED ONLY WHEN SPECIFIED IN THE PLAN.



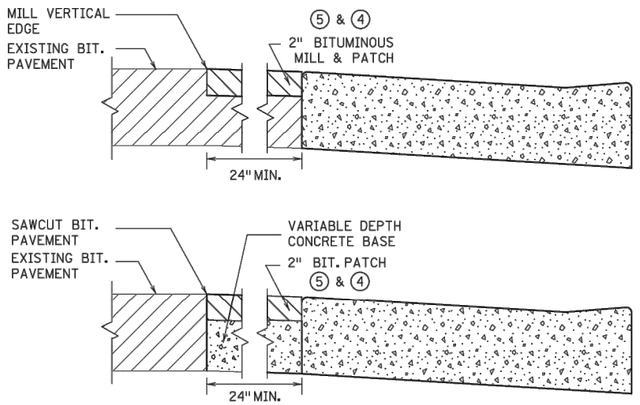


INSET B

OUTFLOW GUTTER ⑧



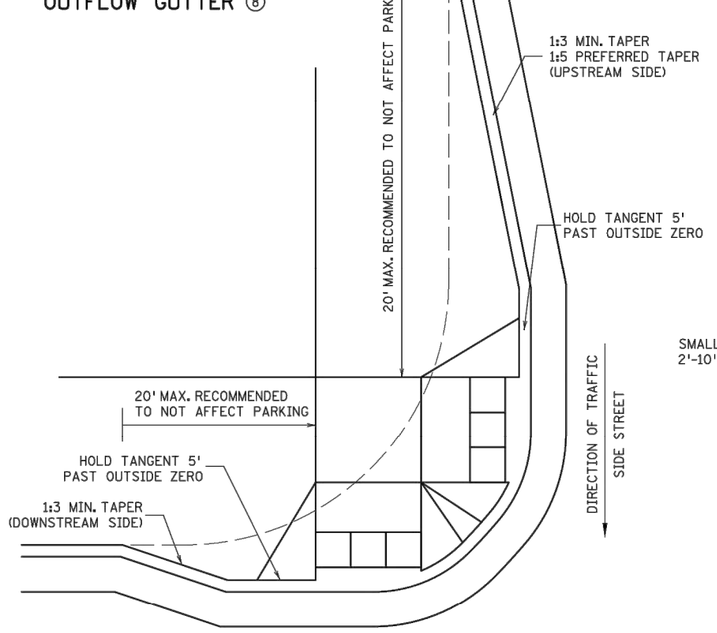
INSET A



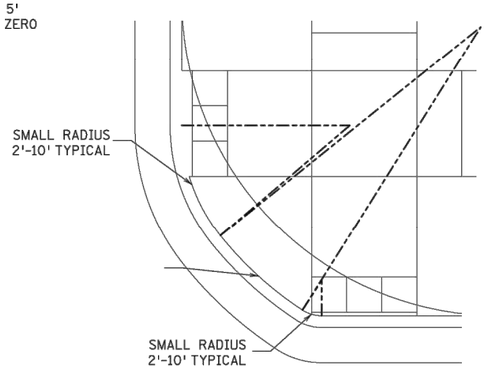
ONLY ALLOWED PER ENGINEER'S APPROVAL

PAVEMENT TREATMENT OPTIONS IN FRONT OF CURB & GUTTER

FOR USE ON CURB RAMP RETROFITS



ADA CURB EXTENSION WITH COMPOUND RADIUS (BUMP OUT) ⑪



COMBINED DIRECTIONAL ⑩
(COMPOUND RADIUS)

NOTES:

POSITIVE FLOW LINE DRAINAGE SHALL BE MAINTAINED THROUGH THE PEDESTRIAN ACCESS ROUTE (PAR) AT A 2% MAXIMUM.
NO PONDING SHALL BE PRESENT IN THE PAR.
ANY VERTICAL LIP THAT OCCURS AT THE FLOW LINE SHALL NOT BE GREATER THAN 1/4 INCH.

1. FOR USE AT CURB CUTS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: PERPENDICULAR, TIERED PERPENDICULAR, PARALLEL, AND DIAGONAL RAMPS.
2. FOR USE AT CURB RAMPS WHERE THE PEDESTRIAN'S PATH OF TRAVEL IS ASSUMED NON PERPENDICULAR TO THE GUTTER FLOW LINE. RAMP TYPES INCLUDE: FANS & DEPRESSED CORNERS.
3. BEGIN GUTTER SLOPE TRANSITION 10' OUTSIDE OF ALL CURB RAMPS.
4. THERE SHALL BE NO VERTICAL DISCONTINUITIES GREATER THAN 1/4".
5. ELEVATION CHANGE TAKES PLACE FROM THE EXISTING TO NEW FRONT OF GUTTER. PATCH IS USED TO MATCH THE NEW GUTTER FACE INTO THE EXISTING ROADWAY.
6. VARIABLE WIDTH FOR DIRECTIONAL CURB APPLICATIONS. SEE SHEET 2 FOR DIRECTIONAL CURB SLOPE REQUIREMENTS.
7. TOP FRONT OF GUTTER SHALL BE CONSTRUCTED FLUSH WITH PROPOSED ADJACENT PAVEMENT ELEVATION. TOP 1.5" OF THE GUTTER FACE MUST BE A FORMED EDGE. PAR GUTTER SHALL NOT BE OVERLAID.
8. SHOULD BE USED AT VERTICALLY CONSTRAINED AREAS WHEN AT A DRAINAGE HIGH POINT OR SUPER ELEVATED ROADWAY SEGMENTS.
9. DRILL AND GROUT NO. 4 EPOXY-COATED 18" LONG TIE BARS AT 30" CENTER TO CENTER INTO EXISTING CONCRETE PAVEMENT 1' MINIMUM FROM ALL JOINTS.
10. HELPS PROVIDE TWO SEPARATE RAMPS, REDUCES THE DOME SETBACK LENGTH AND MINIMIZES DIRECTIONAL CURB. THIS RADIUS DESIGN CLOSELY FOLLOWS THE TURNING VEHICLE PATH WHILE OPTIMIZING CURB RAMP LENGTH.
11. CURB EXTENSIONS SHOULD BE USED IN VERTICALLY CONSTRAINED AREAS, USUALLY IN DOWNTOWN ROADWAY SEGMENTS WHERE ON-STREET PARKING IS AVAILABLE. CURB EXTENSIONS SHOULD BE CONSIDERED FOR APS INTERSECTIONS WHERE SPACE IS LIMITED. PUSH BUTTONS MUST MEET APS CRITERIA AS DESCRIBED IN THE PUSH BUTTON LOCATION DETAIL SHEET.
12. PLACE BOND BREAKER BETWEEN WALK AND TOP OF SILL.
13. 1/2" PREFORMED JOINT FILLER PER MNDOT SPEC. 3702.
14. DIMENSION TO BE SAME AS SIDEWALK THICKNESS, 4" MIN.

REVISION:
APPROVED: JANUARY 23, 2017
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION
STATE DESIGN ENGINEER

STANDARD PLAN 5-297.250 | 3 OF 6
APPROVED: 1-23-2017
REVISED:

PEDESTRIAN CURB RAMP DETAILS

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

BOLTON & MENK
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City of RAMSEY

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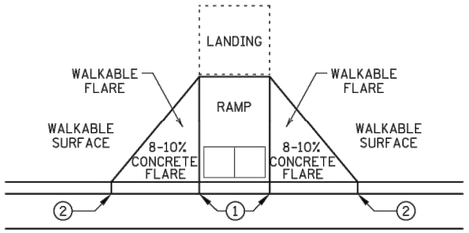
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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
PEDESTRIAN CURB RAMP DETAILS

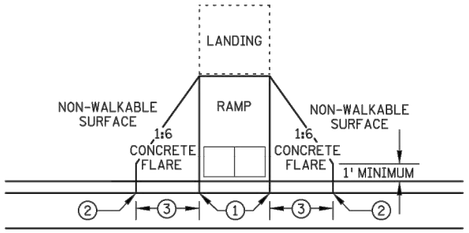
SHEET 16 OF 48

PLOTTED/REVISED: 4-APR-2018
PLOT NAME: s250_3_spn
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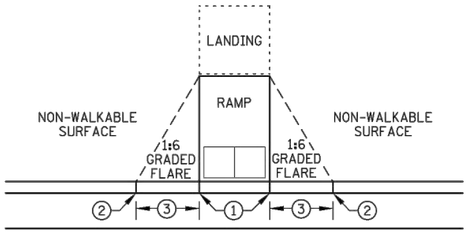
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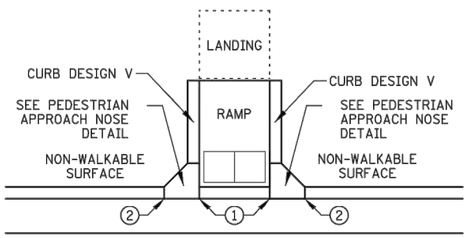
PAVED FLARES
ADJACENT TO WALKABLE SURFACE



PAVED FLARES
ADJACENT TO NON-WALKABLE SURFACE

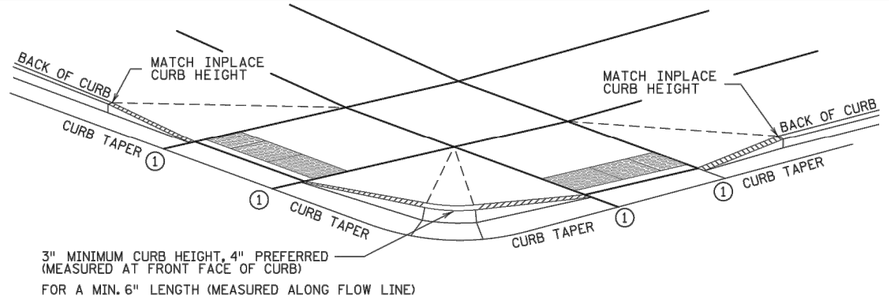


GRADED FLARES

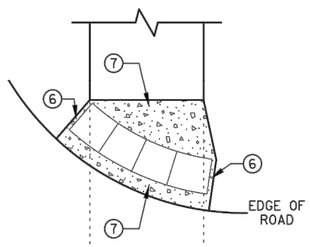


RETURNED CURB ⑤

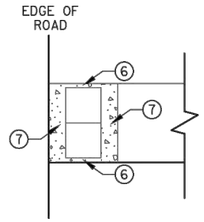
TYPICAL SIDE TREATMENT OPTIONS ④ ⑪



DETECTABLE EDGE WITH ⑧
CURB AND GUTTER

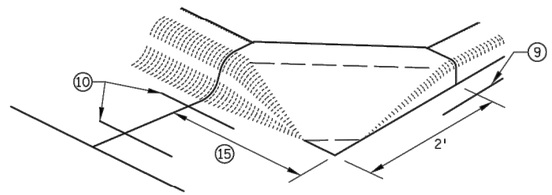


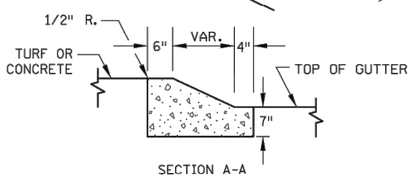
RADIAL DETECTABLE WARNING



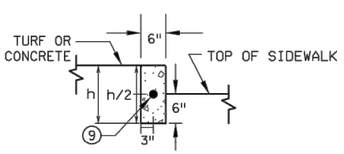
RECTANGULAR DETECTABLE WARNING

DETECTABLE EDGE WITHOUT CURB AND GUTTER

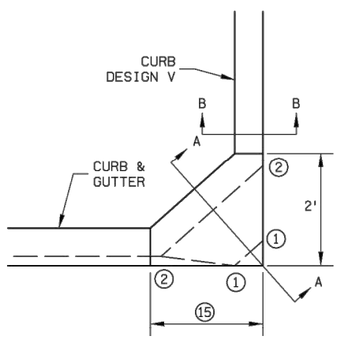




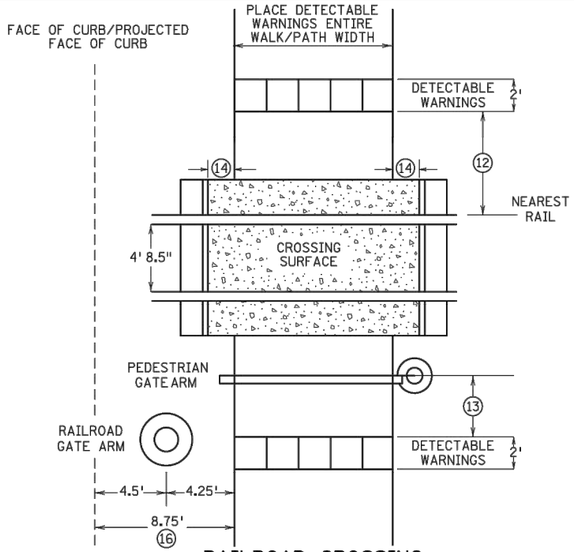
SECTION A-A



SECTION B-B



PEDESTRIAN APPROACH
NOSE DETAIL
(FOR RETURNED CURB
SIDE TREATMENT)



RAILROAD CROSSING
PLAN VIEW

NOTES:

SEE STANDARD PLATE 7038 AND THIS SHEET FOR ADDITIONAL DETAILS ON DETECTABLE WARNING.

A WALKABLE SURFACE IS DEFINED AS A PAVED SURFACE ADJACENT TO A CURB RAMP WITHOUT RAISED OBSTACLES THAT COULD MISTAKENLY BE TRAVERSED BY A USER WHO IS VISUALLY IMPAIRED.

CONCRETE FLARE LENGTHS ADJACENT TO NON-WALKABLE SURFACES SHOULD BE LESS THAN 8' LONG MEASURED ALONG THE RAMPS FROM THE BACK OF CURB.

① 0" CURB HEIGHT.

② FULL CURB HEIGHT.

③ 2' FOR 4" HIGH CURB AND 3' FOR 6" HIGH CURB.

④ SIDE TREATMENTS ARE APPLICABLE TO ALL RAMP TYPES AND SHOULD BE IMPLEMENTED AS NEEDED AS FIELD CONDITIONS DICTATE. THE ENGINEER SHALL DETERMINE THE RAMP SIDE TREATMENTS BASED ON MAINTENANCE OF BOTH ROADWAY AND SIDEWALK, ADJACENT PROPERTY CONSIDERATIONS, AND MITIGATING CONSTRUCTION IMPACTS.

⑤ TYPICALLY USED FOR MEDIANS AND ISLANDS.

⑥ WHEN NO CONCRETE FLARES ARE PROPOSED, THE CONCRETE WALK SHALL BE FORMED AND CONSTRUCTED PERPENDICULAR TO THE EDGE OF ROADWAY. MAINTAIN 3" MAX. BETWEEN EDGE OF DOMES AND EDGE OF CONCRETE.

⑦ IF NO CURB AND GUTTER IS PLACED IN RURAL SECTIONS, DETECTABLE WARNINGS SHALL BE PLACED 1' FROM THE EDGE OF BITUMINOUS ROADWAY AND/OR BITUMINOUS SHARED-USE PATH TO PROVIDE VISUAL CONTRAST.

⑧ ALL CONSTRUCTED CURBS MUST HAVE A CONTINUOUS DETECTABLE EDGE FOR THE VISUALLY IMPAIRED. THIS DETECTABLE EDGE REQUIRES DETECTABLE WARNINGS WHEREVER THERE IS ZERO-INCH HIGH CURB. CURB TAPERS ARE CONSIDERED A DETECTABLE EDGE WHEN THE TAPER STARTS WITHIN 3" OF THE EDGE OF THE DETECTABLE WARNINGS AND UNIFORMLY RISES TO A 3-INCH MINIMUM CURB HEIGHT. ANY CURB NOT PART OF A CURB TAPER AND LESS THAN 3 INCHES IN HEIGHT IS NOT CONSIDERED A DETECTABLE EDGE AND THEREFORE IS NOT COMPLIANT WITH ACCESSIBILITY STANDARDS.

⑨ DRILL AND GROUT 1 - NO. 4 12" LONG REINFORCEMENT BAR (EPOXY COATED) WITH 3" MIN. COVER. REINFORCEMENT BARS ARE NOT NEEDED IF THE APPROACH NOSE IS POURED INTEGRAL WITH THE V CURB.

⑩ DRILL AND GROUT 2 - NO. 4 12" LONG REINFORCEMENT BARS (EPOXY COATED) WITH 3" MIN. COVER. REINFORCEMENT BARS ARE NOT NEEDED IF THE APPROACH NOSE IS POURED INTEGRAL WITH THE CURB AND GUTTER.

⑪ SIDE TREATMENT EXAMPLES SHOWN ARE WHEN THE INITIAL LANDING IS APPROXIMATELY LEVEL WITH THE FULL HEIGHT CURB (I.E. 6' LONG RAMP FOR 6" HIGH CURB). WHEN THE INITIAL LANDING IS MORE THAN 1" BELOW FULL HEIGHT CURB REFER TO SHEETS 1 & 2 TO MODIFY THE CURB HEIGHT TAPERS AND MAINTAIN POSITIVE BOULEVARD DRAINAGE.

⑫ NEAREST EDGE OF DETECTABLE WARNING SURFACES SHALL BE PLACED 12' MINIMUM TO 15' MAXIMUM FROM THE NEAREST RAIL. FOR SKEWED RAILWAYS IN NO INSTANCE SHALL THE DETECTABLE WARNING BE CLOSER THAN 12' MEASURED PERPENDICULAR TO THE NEAREST RAIL.

⑬ WHEN PEDESTRIAN GATES ARE PROVIDED, DETECTABLE WARNING SURFACES SHALL BE PLACED ON THE SIDE OF THE GATES OPPOSITE THE RAIL, 2' FROM THE APPROACHING SIDE OF THE GATE ARM. THIS CRITERIA GOVERNS OVER NOTE ⑫.

⑭ CROSSING SURFACE SHALL EXTEND 2' MINIMUM PAST THE OUTSIDE EDGE OF WALK OR SHARED-USE PATH.

⑮ 3' FOR MEDIANS AND SPLITTER ISLANDS. NOSE CAN BE REDUCED TO 2' ON FREE RIGHT ISLANDS.

⑯ SIDEWALK TO BE PLACED 8.75' MIN. FROM THE FACE OF CURB/PROJECTED FACE OF CURB. THIS ENSURES MIN. CLEARANCE BETWEEN THE SIDEWALK AND GATE ARM COUNTERWEIGHT SUPPORTS.

REVISION:
APPROVED: JANUARY 23, 2017
OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION
STATE DESIGN ENGINEER

STANDARD PLAN 5-297.250 | 4 OF 6
APPROVED: 1-23-2017
REVISED:

PEDESTRIAN CURB RAMP DETAILS

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

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City of RAMSEY

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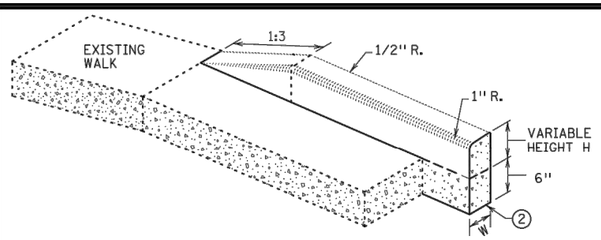
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
PEDESTRIAN CURB RAMP DETAILS

SHEET 17 OF 48

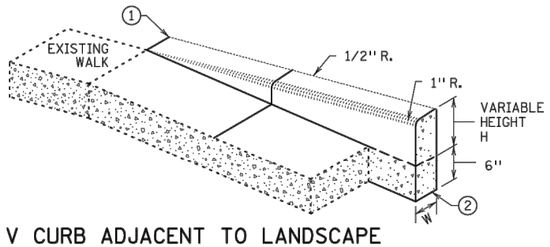
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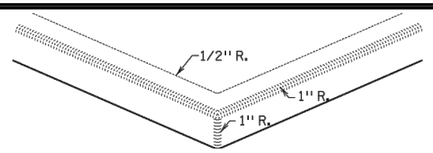
V CURB ADJACENT TO LANDSCAPE

CURB WITHIN SIDEWALK LIMITS

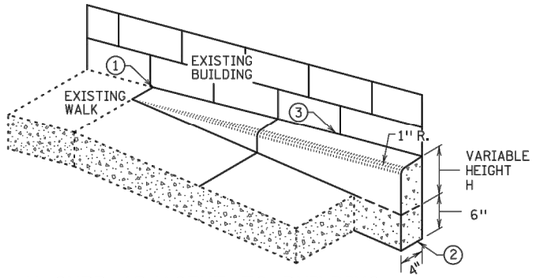


V CURB ADJACENT TO LANDSCAPE

CURB OUTSIDE SIDEWALK LIMITS

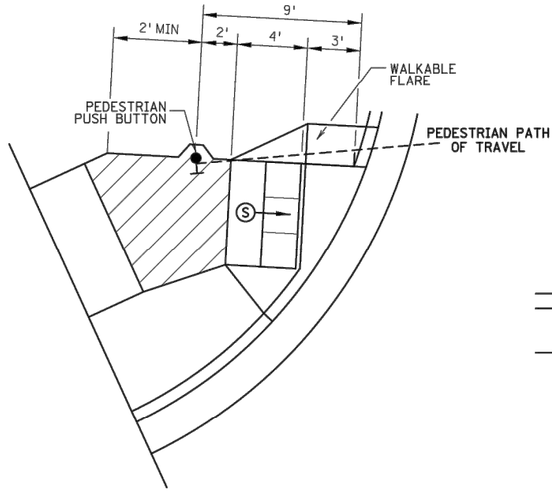


V CURB INTERSECTION



V CURB ADJACENT TO BUILDING OR BARRIER

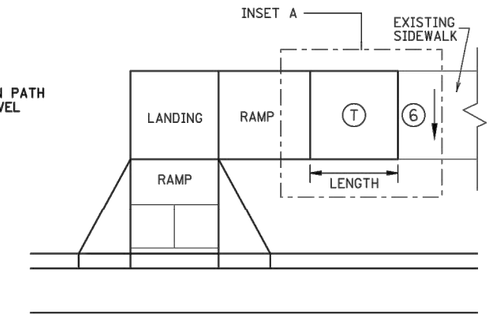
CONCRETE CURB DESIGN V	
CURB HEIGHT H	CURB WIDTH W
<6"	4"
≥6"	6"

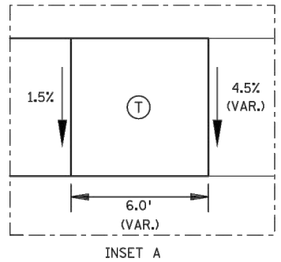


SEMI-DIRECTIONAL RAMP (3,4,9)

3' DOME SETBACK, 4' LONG RAMP AND PUSH BUTTON 9' FROM THE BACK OF CURB

PRIMARILY USED FOR APS APPLICATIONS WHERE THE PAR DOES NOT CONTINUE PAST THE PUSH BUTTON (DEAD-END SIDEWALK)





TRANSITION PANEL ④⑤

NOTES:

A WALKABLE FLARE IS AN 8-10% CONCRETE FLARE THAT IS REQUIRED WHEN THE FLARE IS ADJACENT TO A WALKABLE SURFACE, OR WHEN THE PEDESTRIAN PATH OF TRAVEL OF A PUSH BUTTON TRAVERSES THE FLARE.

ALL V CURB CONTRACTION JOINTS SHALL MATCH CONCRETE WALK JOINTS.

WHERE RIGHT-OF-WAY ALLOWS, USE OF V CURB SHOULD BE MINIMIZED. GRADING ADJACENT TURF OR SLOPING ADJACENT PAVEMENT IS PREFERRED.

V CURB SHALL BE PLACED OUTSIDE THE SIDEWALK LIMITS WHEN RIGHT OF WAY ALLOWS.

V CURB NEXT TO BUILDING SHALL BE A 4" WIDTH AND SHALL MATCH PREVIOUS TOP OF SIDEWALK ELEVATIONS.

① END TAPERS AT TRANSITION SECTION SHALL MATCH INPLACE SIDEWALK GRADES.

② ALL V CURB SHALL MATCH BOTTOM OF ADJACENT WALK.

③ EDGE BETWEEN NEW V CURB AND INPLACE STRUCTURE SHALL BE SEALED AND BOND BREAKER SHALL BE USED BETWEEN EXISTING STRUCTURE AND PLACED V-CURB.

④ THE MAX. RATE OF CROSS SLOPE TRANSITIONING IS 1' LINEAR FOOT OF SIDEWALK PER HALF PERCENT CROSS SLOPE. WHEN PAR WIDTH IS GREATER THAN 6' OR THE RUNNING SLOPE IS GREATER THAN 5%, DOUBLE THE CALCULATED TRANSITION LENGTH.

⑤ TRANSITION PANELS ARE TO ONLY BE USED AFTER THE RAMP, OR IF NEEDED, LANDING ARE AT THE FULL CURB HEIGHT (TYPICAL SECTION).

⑥ EXISTING CROSS SLOPE GREATER THAN 2.0%.

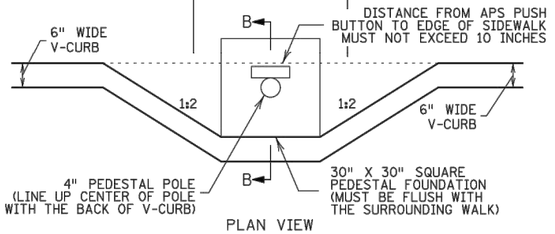
LEGEND

THESE LONGITUDINAL SLOPE RANGES SHALL BE THE STARTING POINT. IF SITE CONDITIONS WARRANT, LONGITUDINAL SLOPES UP TO 8.3% OR FLATTER ARE ALLOWED.

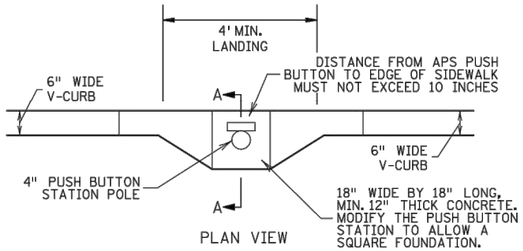
Ⓢ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND THE CROSS SLOPE SHALL NOT EXCEED 2.0%.

LANDING AREA - 4' X 4' MIN. (5' X 5' MIN. PREFERRED) DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS. LANDING SHALL BE FULL WIDTH OF INCOMING PARS.

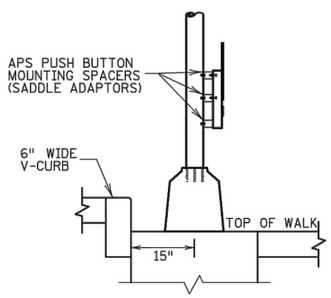
Ⓣ TRANSITION PANEL(S) - TO BE USED FOR TRANSITIONING THE CROSS-SLOPE OF A RAMP TO THE EXISTING WALK CROSS-SLOPE. RATE OF TRANSITION SHOULD BE 0.5% PER 1 LINEAR FOOT OF WALK. SEE THIS SHEET FOR ADDITIONAL INFORMATION.



PLAN VIEW

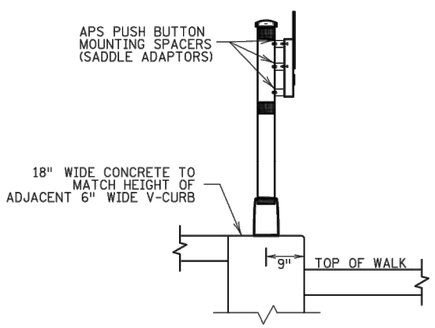


PLAN VIEW



SECTION B-B

SIGNAL PEDESTAL & PUSH BUTTON (V-CURB)



SECTION A-A

PUSH BUTTON STATION (V-CURB)

REVISION:

APPROVED: JANUARY 23, 2017

OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

STANDARD PLAN 5-297.250 | 5 OF 6

APPROVED: 1-23-2017

REVISED:

STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

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City of RAMSEY

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DRAWN	ZFL
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

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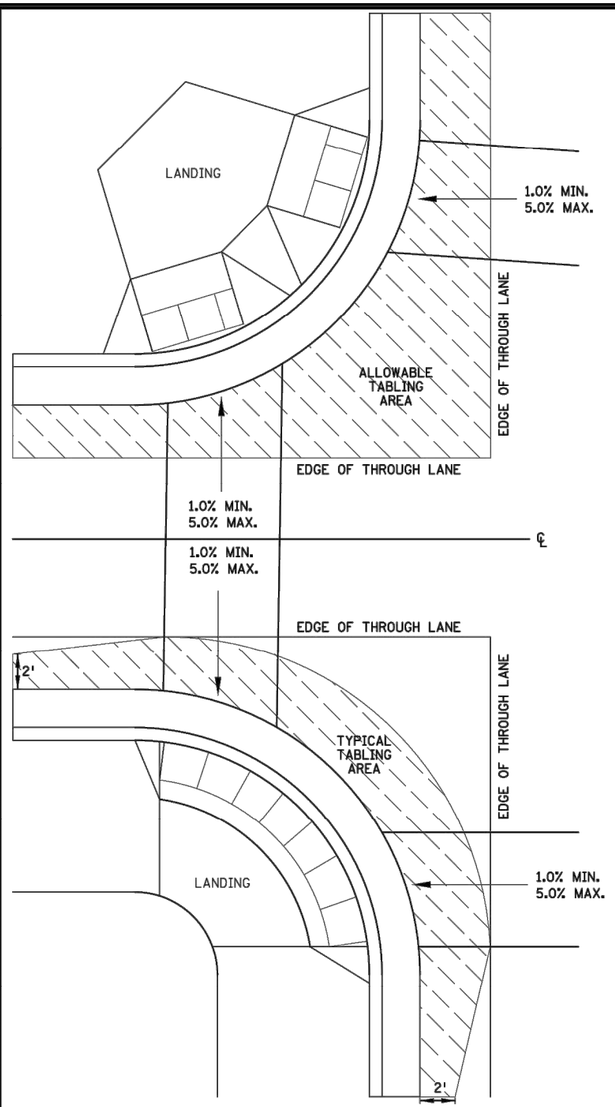
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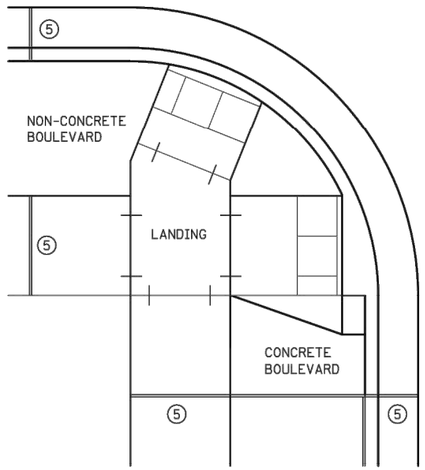
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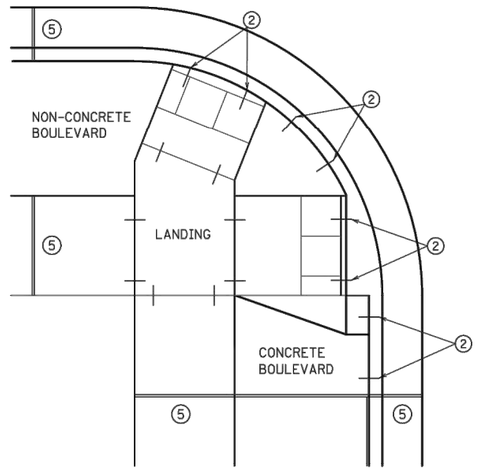
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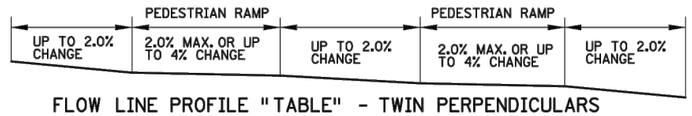
CURB LINE AND ROAD CROSSING ADJUSTMENTS



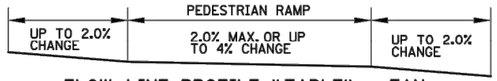
EXPANSION MATERIAL PLACEMENT FOR CONCRETE AND BITUMINOUS ROADWAYS



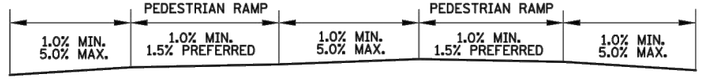
OPTIONAL CURB LINE REINFORCEMENT PLACEMENT ON BITUMINOUS ROADWAYS ④



FLOW LINE PROFILE "TABLE" - TWIN PERPENDICULARS



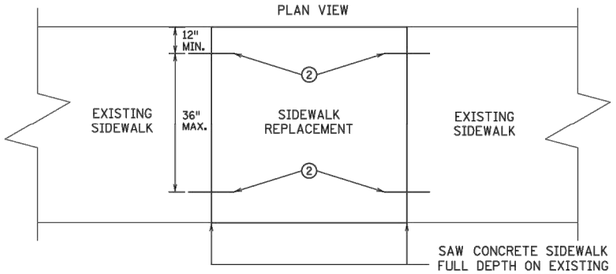
FLOW LINE PROFILE "TABLE" - FAN



FLOW LINE PROFILE RAISE - TWIN PERPENDICULARS

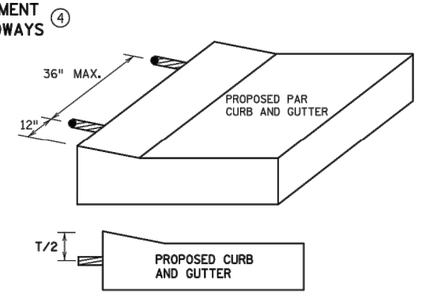


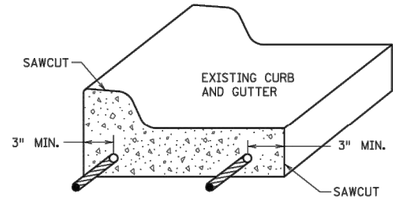
FLOW LINE PROFILE RAISE - FAN



OPTIONAL SIDEWALK REINFORCEMENT

SIDEWALK REINFORCEMENT TO BE USED ONLY WHEN SPECIFIED IN THE PLAN.

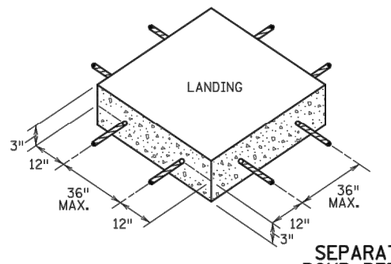


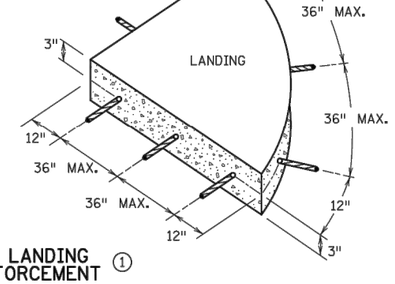


FOR USE ON CURB RAMP RETROFITS

CURB AND GUTTER REINFORCEMENT ③

OPTIONAL CURB LINE REINFORCEMENT DETAILS ②④





SEPARATE LANDING POUR REINFORCEMENT ①

"TABLING" OF CROSSWALKS MEANS MAINTAINING LESS THAN 2% CROSS SLOPE WITHIN A CROSSWALK, IS REQUIRED WHEN A ROADWAY IS IN A STOP OR YIELD CONDITION AND THE PROJECT SCOPE ALLOWS.

RECONSTRUCTION PROJECTS: ON FULL PAVEMENT REPLACEMENT PROJECTS "TABLING" OF ENTIRE CROSSWALK SHALL OCCUR WHEN FEASIBLE.

MILL & OVERLAY PROJECTS: "TABLING" OF FLOW LINES, IN FRONT OF THE PEDESTRIAN RAMP, IS REQUIRED WHEN THE EXISTING FLOW LINE IS GREATER THAN 2%. WARPING OF THE BITUMINOUS PAVEMENT CAN NOT EXTEND INTO THE THROUGH LANE. TABLE THE FLOW LINE TO 2% OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA;
1) 1.0% MIN. CROSS-SLOPE OF THE ROAD
2) 5.0% MAX. CROSS-SLOPE OF THE ROAD
3) "TABLE" FLOW LINE UP TO 4% CHANGE FROM EXISTING SLOPE IN FRONT OF PEDESTRIAN RAMP
4) UP TO 2% CHANGE IN FLOW LINE FROM EXISTING SLOPE BEYOND THE PEDESTRIAN CURB RAMP

STAND-ALONE ADA RETROFITS: FOLLOW MILL & OVERLAY CRITERIA ABOVE HOWEVER ALL PAVEMENT WARPING IS DONE WITH BITUMINOUS PATCHING ON BITUMINOUS ROADWAYS AND FULL-DEPTH APRON REPLACEMENT ON CONCRETE ROADWAYS.

RAISING OF CURB LINES SHOULD OCCUR IN VERTICALLY CONSTRAINED AREAS. RAISE THE CURB LINES ENOUGH TO ALLOW COMPLIANT RAMPS OR AS MUCH AS POSSIBLE WHILE ADHERING TO THE FOLLOWING CRITERIA;
1) 1.0% MIN. AND 5.0% MAXIMUM CROSS-SLOPE OF THE ROAD
2) 1.0% MIN. FLOW LINE (ON EITHER SIDE OF PEDESTRIAN RAMP) TO MAINTAIN POSITIVE DRAINAGE
3) 5.0% RECOMMENDED MAX. FLOW LINE
4) LONGITUDINAL THROUGH LANE ROADWAY TAPERS SHOULD BE 1" VERTICAL PER 15' HORIZONTAL

NOTES:

① TO ENSURE RAMPS AND LANDINGS ARE PROPERLY CONSTRUCTED, ALL INITIAL LANDINGS AT A TOP OF A RAMPED SURFACE (RUNNING SLOPE GREATER THAN 2%) SHALL BE FORMED AND PLACED SEPARATELY IN AN INDEPENDENT CONCRETE POUR. FOLLOW SIDEWALK REINFORCEMENT DETAILS ON THIS SHEET FOR ALL SEPARATELY POURED INITIAL LANDINGS.

② DRILL AND GROUT NO. 4 12" LONG REINFORCEMENT BARS AT 36" MAXIMUM CENTER TO CENTER (EPOXY COATED). BARS TO BE ADJUSTED TO MATCH RAMP GRADE.

③ DRILL AND GROUT 2 - NO. 4 X 12" LONG REINFORCEMENT BARS (EPOXY COATED). REINFORCEMENT REQUIRED FOR ALL CONSTRUCTION JOINTS WITHIN RADIUS.

④ THIS OPTIONAL CURB LINE REINFORCEMENT DETAIL SHOULD ONLY BE USED ON BITUMINOUS ROADWAYS WHEN SPECIFIED IN THE PLAN.

⑤ 1/2 IN. PREFORMED JOINT FILLER MATERIAL PER MNDOT SPEC. 3702.

REVISION:

APPROVED: JANUARY 23, 2017

OPERATIONS ENGINEER

MINNESOTA DEPARTMENT OF TRANSPORTATION

STANDARD PLAN 5-297.250 | 6 OF 6

APPROVED: 1-23-2017

REVISED:

STATE DESIGN ENGINEER

PEDESTRIAN CURB RAMP DETAILS

STATE PROJ. NO. (T.H.) SHEET NO. OF SHEETS

BOLTON & MENK
7533 SUNWOOD DR NW, SUITE 206
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

PEDESTRIAN CURB RAMP DETAILS

SHEET 19 OF 48

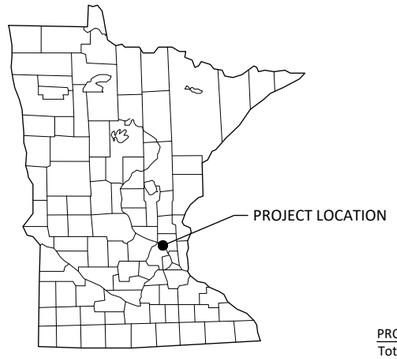
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STORMWATER POLLUTION PREVENTION PLAN (SWPPP)

RIVERDALE DRIVE IMPROVEMENTS

CITY OF RAMSEY
ANOKA COUNTY, MINNESOTA



LEGEND

- 1-MILE BOUNDARY
- PROJECT BOUNDARY
- OR — IMPAIRED, SPECIAL OR PROTECTED WATERS
- NATIONAL WETLANDS INVENTORY

RESPONSIBLE PARTIES:
The Contractor and Owner will be joint applicants under the MPCA's General Stormwater Permit for Construction Activity as required by the National Pollutant Discharge Elimination System (NPDES) Phase II program.

The Contractor shall provide one or more trained Construction SWPPP Manager(s) knowledgeable and experienced in the application of erosion prevention and sediment control BMPs that will oversee the implementation of the SWPPP, and the installation, inspection and maintenance of the erosion prevention and sediment control BMPs.

A Construction SWPPP Manager must be available for an on-site inspection within 72 hours upon request by the MPCA.

	COMPANY	CONTACT PERSON	PHONE
OWNER:	City of Ramsey	Bruce Westby, PE	763-433-9825
SWPPP DESIGNER:	Bolton & Menk, Inc.	Zach Lingl, PE	952-890-0509
CONTRACTOR:	TBD	TBD	TBD
CONSTRUCTION SWPPP MANAGER:	TBD	TBD	TBD
PARTY RESPONSIBLE FOR LONG TERM O&M:	City of Ramsey	Bruce Westby, PE	763-433-9825

The SWPPP Designer, Construction SWPPP Manager, and BMP Installer must have appropriate training. Documentation showing training commensurate with the job duties and responsibilities is required to be included in the SWPPP prior to any work beginning on the site. Training documentation for the SWPPP Designer is included on the Narrative sheet. The Contractor shall attach training documentation to this SWPPP for the Construction SWPPP Manager and BMP Installer prior to the start of construction. This information shall be kept up to date until the project NOT is filed.

ADDITIONAL COMPENSATION
Payment for all work associated with Erosion and Sediment Control shall be as described in the Project Manual. Unless otherwise authorized by the Owner no additional payment shall be made for any work required to administer and maintain the site erosion and sediment control in compliance with the Minnesota Pollution Control Agency (MPCA) - General Stormwater Permit for Construction Activity (MN R100001) including but not limited to inspection, maintenance, and removal of BMPs or addition of BMPs to accommodate Contractor phasing.

DOCUMENT RETENTION
Permittees must make the SWPPP, including all inspection reports, maintenance records, training records and other information required by this permit, available to federal, state, and local officials within three (3) days upon request for the duration of the permit and for three (3) years following the NOT.

GENERAL STORMWATER DISCHARGE REQUIREMENTS
All requirements listed in Section 5.1 of the Permit for the design of the permanent stormwater management system and discharge have been included in the preparation of this SWPPP. These include but are not limited to:

1. The expected amount, frequency, intensity, and duration of precipitation.
2. The nature of stormwater runoff and run-on at the site
3. Peak flow rates and stormwater volumes to minimize erosion at outlets and downstream channel and stream bank erosion.
4. The range of soil particle sizes expected to be present on the site.

Permanent stormwater treatment systems for this project have been designed in accordance with the guidance in the MN Stormwater Manual in place at the time of bidding. Copies of the design information and calculations are part of this SWPPP and will be provided in digital format upon written request to the Engineer.

PROJECT AREAS:

Total Project Size (disturbed area) =	3.3	ACRES
Existing area of impervious surface =	2.6	ACRES
Post construction area of impervious surface =	2.2	ACRES
Total new impervious surface area created =	-0.4	ACRES

Planned Construction Start Date:	JUNE 2021
Estimated Construction Completion Date:	OCTOBER 2021

PERMANENT STORMWATER MANAGEMENT SYSTEM:
Type of storm water management used if more than 1 acre of new impervious surface is created:

	Wet Sedimentation Basin
	Infiltration/Filtration
	Regional Pond
X	Permanent Stormwater Management Not Required

PROJECT LOCATION:

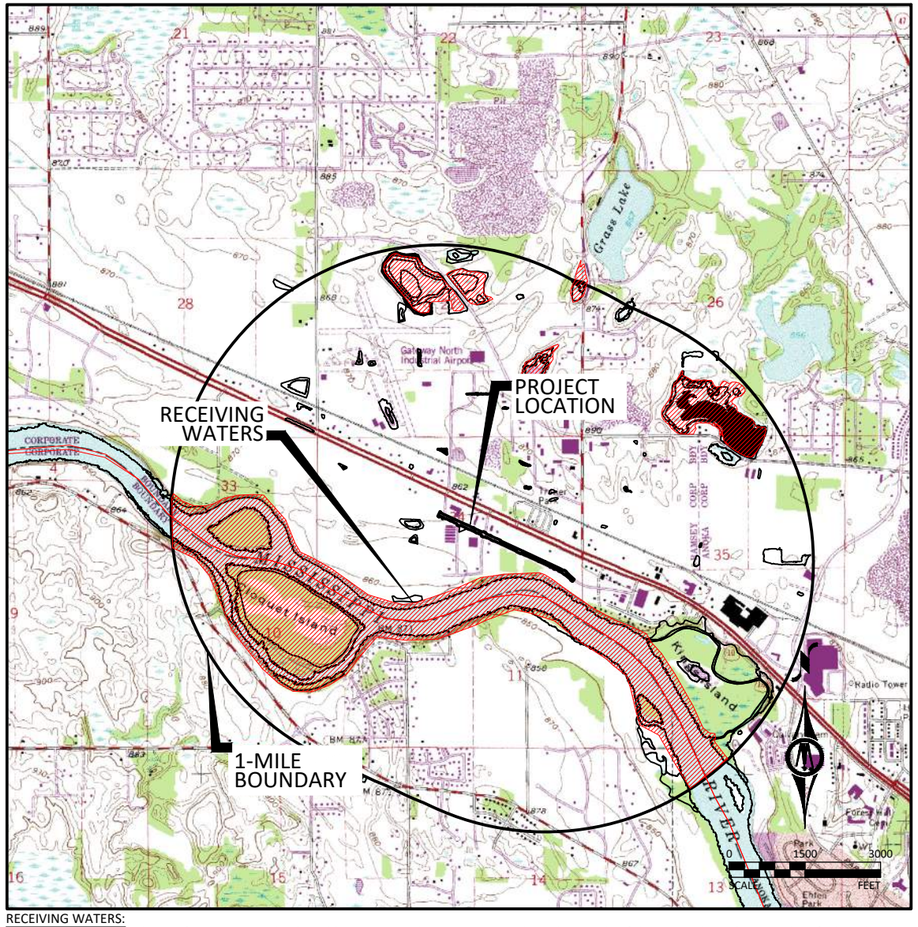
COUNTY	TOWNSHIP	RANGE	SECTION	LATITUDE	LONGITUDE
ANOKA	T32N	R25W	S29	45.2220	-93.4392

BMP SUMMARY	QUANTITY	UNIT
STABILIZED CONSTRUCTION EXIT	1	LS
STORM DRAIN INLET PROTECTION	18	EA
SILT FENCE	960	LF
HYDRAULIC BONDED FIBER MATRIX	4200	LB
SODDING TYPE SALT TOLERANT	3590	SY

DESCRIPTION OF CONSTRUCTION ACTIVITIES AND STORMWATER MANAGEMENT:
Construction activities include: Site grading, aggregate base, plant mixed bituminous pavement, concrete curb and gutter, ada improvements, storm sewer, landscaping, temporary erosion and sediment control, and permanent stabilization.

Riverdale Drive NW is presently a roadway section with storm sewer catch basins on either side of the pavement. The storm sewer system converges into a larger system which are City of Ramsey facilities that ultimately reach the Mississippi River.

After construction is complete stormwater will be conveyed via curb & gutter and storm sewer pipes to permanent stormwater sewer systems. Stormwater runoff within the project site will discharge into the existing larger storm sewer system that discharges into the Mississippi River.



RECEIVING WATERS:
Receiving waters, including surface water, wetlands, Public Waters, and stormwater ponds, within 1-mile of the project boundary are identified on the USGS 7.5 min quad map above. Receiving waters that are impaired, the impairment, and WLA are listed as follows. All specific BMPs relative to construction activities listed in the permit for special, prohibited, restricted, or impaired have been incorporated into this plan. All specific BMPs listed in approved TMDLs and those BMPs listed for construction related waste load allocations have also been incorporated.

NAME OF WATER BODY	TYPE (ditch, pond, wetland, lake, etc.)	Special, Prohibited, Restricted Water [1]	Flows to Impaired Water Within 1-Mile [2]	USEPA Approved Construction Related TMDL [3]
MISSISSIPPI RIVER	RIVER	YES	YES, NOT FOR CONST.	YES, NOT FOR CONST.
IMPAIRMENTS: MERCURY				

[1] Special, prohibited, and restricted waters are listed in Section 23 of the MN Construction Stormwater General Permit (MNR100001).
[2] Identified as impaired under section 303 (d) of the federal Clean Water Act for phosphorus, turbidity, TSS, dissolved oxygen, and/or aquatic biota.
[3] Construction Related TMDLs include those related to: phosphorus, turbidity, TSS, dissolved oxygen, and/or aquatic biota.

IMPLEMENTATION SCHEDULE AND PHASING: The Contractor is required to provide an updated schedule and site management plan meeting the minimum requirements of Section 1717 of the Minnesota Standard Specifications for Construction.

1) Submit SWPPP Updates to Engineer. Submittal shall include any requested changes to the SWPPP, including but not limited to: Trained Personnel, Locations for Stockpiles, Concrete Washout, Sanitation Facilities, Types and Locations of Erosion & Sediment Control. Failure to submit updates shall be considered acceptance of the SWPPP as designed with no changes.
2) Install perimeter sediment control, inlet protection, and construction exit.
3) Remove existing pavements
4) Grade new alignment
5) Install new public utilities
6) Install roadway section materials
7) Add additional temporary BMPs as necessary during construction based on inspection reports.
8) Ensure final stabilization measures are complete.
9) Provide digital copy of all Field SWPPP Documentation including Inspection Reports and SWPPP Revisions to the Owner.
10) Submit Notice of Termination (NOT) to MPCA. NOTE: The NOT must be submitted to MPCA before Final Stabilization is considered complete.

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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.
KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

BOLTON & MENK
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RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
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City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STORMWATER POLLUTION PREVENTION PLAN

Information contained in this SWPPP narrative sheet summarizes requirements of the GENERAL PERMIT AUTHORIZATION TO DISCHARGE STORMWATER ASSOCIATED WITH CONSTRUCTION ACTIVITY UNDER THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM/STATE DISPOSAL SYSTEM PROGRAM - Permit No: MN RI0000I (Permit) as they apply to this project. All provisions of the Permit including those not specifically cited herein shall apply to this project. The Contractor is responsible to be familiar with and comply with all conditions of the permit. The full text of the Permit is available at: https://www.pca.state.mn.us/sites/default/files/wq-strm2-80a.pdf

SWPPP AMENDMENTS AND SUBMITTALS

Contractor must prepare and submit to the Engineer a SWPPP amendment as necessary to include additional Best Management Practices (BMPs) to correct problems identified or address the following situations.

1. Contact information and training documentation for Construction SWPPP Manager and BMP Installer,
2. There is a change in construction method of phasing, operation, maintenance, weather or seasonal conditions not anticipated during the design of the SWPPP including but not limited to:
   a. Types and/or Locations of BMPs
   b. Material Storage and Spill Response
   c. Fueling Plans
   d. Locations for Stockpiles, Concrete Washout, and Sanitation Facilities and
   e. Project Phasing
3. It is determined that the SWPPP is not achieving objectives of minimizing pollutants in stormwater discharges associated with construction activity, or
4. The SWPPP is not consistent with the terms and conditions of the permit.

The Contractor may implement SWPPP amendments immediately and is not required to wait for Engineer review of the submittal. The responsibility for completeness of SWPPP amendments and compliance with the Permit lies with the Contractor. Review, comment, or lack of comment by the Engineer on a SWPPP amendment shall not absolve the responsibilities of the Contractor in any way.

If a change order is issued for a design change the SWPPP amendment will be prepared by the Engineer and included in the change order.

In addition to SWPPP amendments, the Contractor shall submit to the Engineer Weekly Erosion and Sediment Control Schedule meeting the requirements of MnDOT 1717.

The Contractor shall keep copies of all SWPPP amendments, Weekly Erosion and Sediment Control Schedules, inspection logs, and maintenance logs with the field copy of the SWPPP. A PDF copy of these documents will be provided along with a copy of the final Field Copy of the SWPPP to the Engineer along with the signed Notice of Termination when final stabilization is complete.

EROSION PREVENTION PRACTICES

Stormwater conveyance channels shall be routed around unstabilized areas. Erosion controls and velocity dissipation devices shall be used at outlets within and along the length of any constructed conveyance channel.

The normal wetted perimeter of all ditches or swales, including storm water management pond slopes, that drain waters from the site must be stabilized within 200' of any property edge or discharge point, including storm sewer inlets, within 24 hours of connection.

Temporary or permanent ditches or swales used as sediment containment during construction do not need to be stabilized during temporary period of use and shall be stabilized within 24 hours after no longer used as sediment containment.

Mulch, hydromulch, tackifier, or similar practice shall not be used in any portion of the wetted perimeter of a temporary or permanent drainage ditch or swale section with a continuous slope of greater than 2 percent.

Energy dissipation shall be installed at all temporary or permanent pipe outlets within 24 hours of connection to a surface water or permanent stormwater treatment system.

The Contractor shall phase construction and use construction methods to the extent practical to minimize exposed soils. The project phasing shall be documented in the Weekly Erosion and Sediment Control Schedule.

SEDIMENT CONTROL PRACTICES

Down gradient BMPs including perimeter BMPs must be in place before up gradient land- disturbing activities begin and shall remain in place until final stabilization.

All BMPs that have been adjusted or removed to accommodate short-term activities shall be re-installed or replaced the earlier of the end of the work day or before the next precipitation event even if the activity is not complete.

Inlet BMPs may be removed for specific safety concerns. The BMPs shall be replaced as soon as the safety concern is resolved. The removal shall be documented in the SWPPP as a SWPPP amendment.

Temporary stockpiles must have sediment control BMPs. The Contractor shall prepare and submit to the Engineer a SWPPP amendment showing the location of temporary stockpiles and the BMPs for each stockpile. The SWPPP amendment must meet the minimum requirements of Section 9 of the Permit.

Soil compaction shall be minimized and topsoil shall be preserved, unless infeasible or if construction activities dictate soil compaction or topsoil stripping.

The use of polymers, flocculants, or other sedimentation treatment chemicals are not proposed as part of this SWPPP as designed by the Engineer. If methods or phasing of construction require the use of any of these chemicals, the Contractor shall prepare and submit to the Engineer a SWPPP amendment that meets the minimum requirements of Section 9 of the Permit.

TEMPORARY SEDIMENTATION BASINS

A temporary sedimentation basin has not been included in this SWPPP as designed by the Engineer. If a basin is later determined to be desirable or necessary the Contractor shall prepare and submit to the Engineer a SWPPP amendment. Temporary sedimentation basins shall meet or exceed the minimum requirements of Section 14 of the Permit and shall include a basin draining plan meeting or exceeding the minimum requirements of Section 10 of the Permit. Where the site discharges to Special and/or Impaired Waters the SWPPP amendment shall also meet or exceed the minimum requirements of Section 23 of the permit.

DEWATERING

A dewatering plan has not been included in this SWPPP as designed by the Engineer. If dewatering is required for this project, the Contractor shall prepare and submit to the Engineer a SWPPP amendment. All dewatering shall meet or exceed the minimum requirements of Section 10 of the Permit.

POLLUTION PREVENTION

Products and materials that have the potential to leach pollutants that are stored on the site must be stored in a manner designed to minimize contact with stormwater. Materials that are not a source of potential contamination to stormwater or that are designed for exposure to stormwater are not required to be covered.

Hazardous materials including but not limited to pesticides, fertilizer, petroleum products, curing compounds and toxic waste must be properly stored and protected from stormwater exposure as recommended by the manufacturer in an access restricted area.

Solid waste must be stored, collected and disposed of in compliance with Minnesota Administrative Rules Chapter 7035.

Portable toilets must be positioned so that they are secure and will not be tipped or knocked over. Sanitary waste must be disposed of properly in accordance with Minn. R. CH 7041.

Exterior vehicle or equipment washing on the project site shall be limited to a defined area of the site. No engine degreasing is allowed on site. A sign must be installed adjacent to each washout facility that requires site personnel to utilize the proper facilities for disposal of concrete and other washout wastes.

The Contractor shall prepare and submit a SWPPP amendment detailing the location and BMPs proposed for storage of materials, solid waste, portable toilets, and exterior vehicle or equipment washing on the site. The SWPPP amendment shall include a spill prevention and response plan that is appropriate for the materials proposed to be on the site. The SWPPP amendment shall meet or exceed the minimum requirements of Section 12 of the Permit.

INSPECTION & MAINTENANCE

A trained person shall routinely inspect the entire construction site at the time interval indicated on this sheet of the SWPPP during active construction and within 24-hours after a rainfall event greater than 0.5 inches in 24 hours. Following an inspection that occurs within 24-hours after a rainfall event, the next inspection must be conducted at the time interval indicated in the Receiving Waters Table found on the SITE PLAN AND INFORMATION SHEET of the SWPPP.

All inspections and maintenance conducted during construction must be recorded on the day it is completed and must be retained with the SWPPP. Inspection report forms are available in the Project Specifications. Inspection report forms other than those provided shall be approved by the engineer.

The Contractor may request a change in inspection schedule for the following conditions:

a. Inspections of areas with permanent cover to be reduced to once per month,
b. Inspections of areas that have permanent cover and have had no construction activity for 12 months to be suspended until construction resumes,
c. Inspections of areas where construction is suspended due to frozen ground conditions, inspections to be suspended until the earlier of within 24 hours of runoff occurring, or upon resuming construction.

No change in inspection schedule shall occur until authorized by the Engineer.

Inspections must include:

1. All erosion prevention and sediment control BMPs and Pollution Prevention Management Measures to ensure integrity and effectiveness.
2. Surface waters, including drainage ditches and conveyance systems for evidence of erosion and sediment deposition.
3. Construction site vehicle exit locations, streets and curb and gutter systems within and adjacent to the project for sedimentation from erosion or tracked sediment from vehicles.
4. Infiltration areas to ensure that no sediment from ongoing construction activity is reaching the infiltration area and that equipment is not being driven across the infiltration area.

All non-functioning BMPs and those BMPs where sediment reaches one-half (1/2) of the depth of the BMP, or in the case of sediment basins one-half (1/2) of the storage volume, must be repaired, replaced, or supplemented by the end of the next business day after discovery, or as soon as field conditions allow.

Permittees must repair, replace or supplement all nonfunctional BMPs with functional BMPs by the end of the next business day after discovery, or as soon as field conditions allow.

Any sediment that escapes the site must be removed and the area stabilized within 7 calendar days of discovery unless precluded by legal, regulatory, or physical access in which case the work shall be completed within 7 calendar days of authorization. Paved surfaces such as streets shall have any escaped or tracked sediment removed by the end of the day that it is discovered. Sediment release, other than paved surfaces that can be cleaned up with street sweeping shall be reported immediately upon discovery to the Engineer.

PUBLIC WATER RESTRICTIONS:

For public waters that have been promulgated "work in water restrictions" during fish spawning time frames, all exposed soil areas that are within 200 feet of the water's edge, and drain to these waters must complete stabilization within 24-hours during the time period. MN DNR permits are not valid for work in waters that are designated as infested waters unless accompanied by an Infested Waters Permit or written notification has been obtained from MN DNR stating that such permit is not required. There is no exception for pre-existing permits. If a MN DNR Permit has been issued for the project and the water is later designated as infested, the Contractor shall halt all work covered by the MN DNR Permit until an Infested Waters Permit is obtained or that written notification is obtained stating that such permit is not required.

FINAL STABILIZATION

Final Stabilization is not complete until all the following requirements have been met:

1. Substantial Completion has been reached and no ground disturbing activities are anticipated.
2. Permanent cover has been installed with an established minimum uniform perennial vegetation density of 70 percent of its expected final growth. Vegetation is not required in areas where no vegetation is proposed by this project such as impervious surfaces or the base of a sand filter.
3. Accumulated sediment has been removed from all permanent stormwater treatment systems as necessary to ensure the system is operating as designed.
4. All sediment has been removed from conveyance systems
5. All temporary synthetic erosion prevention and sediment control BMPs have been removed. BMPs designated on the SWPPP to remain to decompose on-site may remain.
6. For residential construction only, permit coverage terminates on individual lots if the structures are finished and temporary erosion prevention and downgradient perimeter control is complete, the residence sells to the homeowner, and the permittee distributes the MPCA's "Homeowner Fact Sheet" to the homeowner.
7. For agricultural land only (e.g., pipelines across cropland), the disturbed land must be returned to its preconstruction agricultural use prior to submitting the NOT.

SITE STABILIZATION COMPLETION:

Stabilization of exposed soils shall begin immediately and shall be completed after the construction activity has temporarily or permanently ceased no later than:	7 calendar days

SITE INSPECTION INTERVAL:

A trained person shall routinely inspect the entire construction site during active construction at an interval of no less than:	7 calendar days

SPECIAL ENVIRONMENTAL CONSIDERATIONS AND PERMITS:

1)	Was an environmental review required for this project or any part of a common plan of development or sale that includes all or any portion of this project?	NO
2)	Does any portion of the site have the potential to affect threatened or endangered species or their critical habitat?	NO
3)	Does any portion of this site discharge to a Calcareous fen.	NO
4)	Will any portion of the site potentially affect properties listed on the National Register of Historic Places or a known or discovered archeological site?	NO
5)	Have any Karst features have been identified in the project vicinity?	NO
6)	Is compliance with temporary or permanent stormwater management design requirements infeasible for this project?	NO
7)	Has the MN DNR promulgated "work in water restrictions" for any Public Water this site disharges to during fish spawning?	NO

TYPE OF PERMIT	PERMITTING AGENCY	PERMIT STATUS AND CONDITIONS
Construction Stormwater NPDES	MPCA	To be obtained by Contractor
Dewatering	MnDNR	To be obtained by Contractor If Required
Watershed	LRRWMO	Owner Obtained

SWPPP DESIGNER TRAINING DOCUMENTATION:



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KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STORMWATER POLLUTION PREVENTION PLAN



LEGEND

- PROJECT BOUNDARY
- SOIL TYPE
- NATIONAL WETLANDS INVENTORY
- STEEP SLOPES (>33.3%)

0 200 400
SCALE FEET

SOIL TYPE SUMMARY

Map Unit Symbol	Soil Name	Hyd. Soil Group	Erodibility
D67A	Hubbard loamy sand, Mississippi River Valley, 0 to 2 percent slopes	A	NHEL
DnA	Dickman sandy loam, 0 to 2 percent slopes	a	NHEL

NHEL - Not Highly Erodible Land
PHEL - Potentially Highly Erodible Land
HEL - Highly Erodible Land

LOCATION OF SWPPP REQUIREMENTS IN PROJECT PLAN

DESCRIPTION	SHEET NO.
SITE MAP	18
DIRECTION OF FLOW	21-22
FINAL STABILIZATION	21-22
SOILS	20
STORM SEWER PLAN & PROFILE SHEETS	23-26
EROSION & SEDIMENT CONTROL DETAILS	8-9
NARRATIVE & NOTES	19

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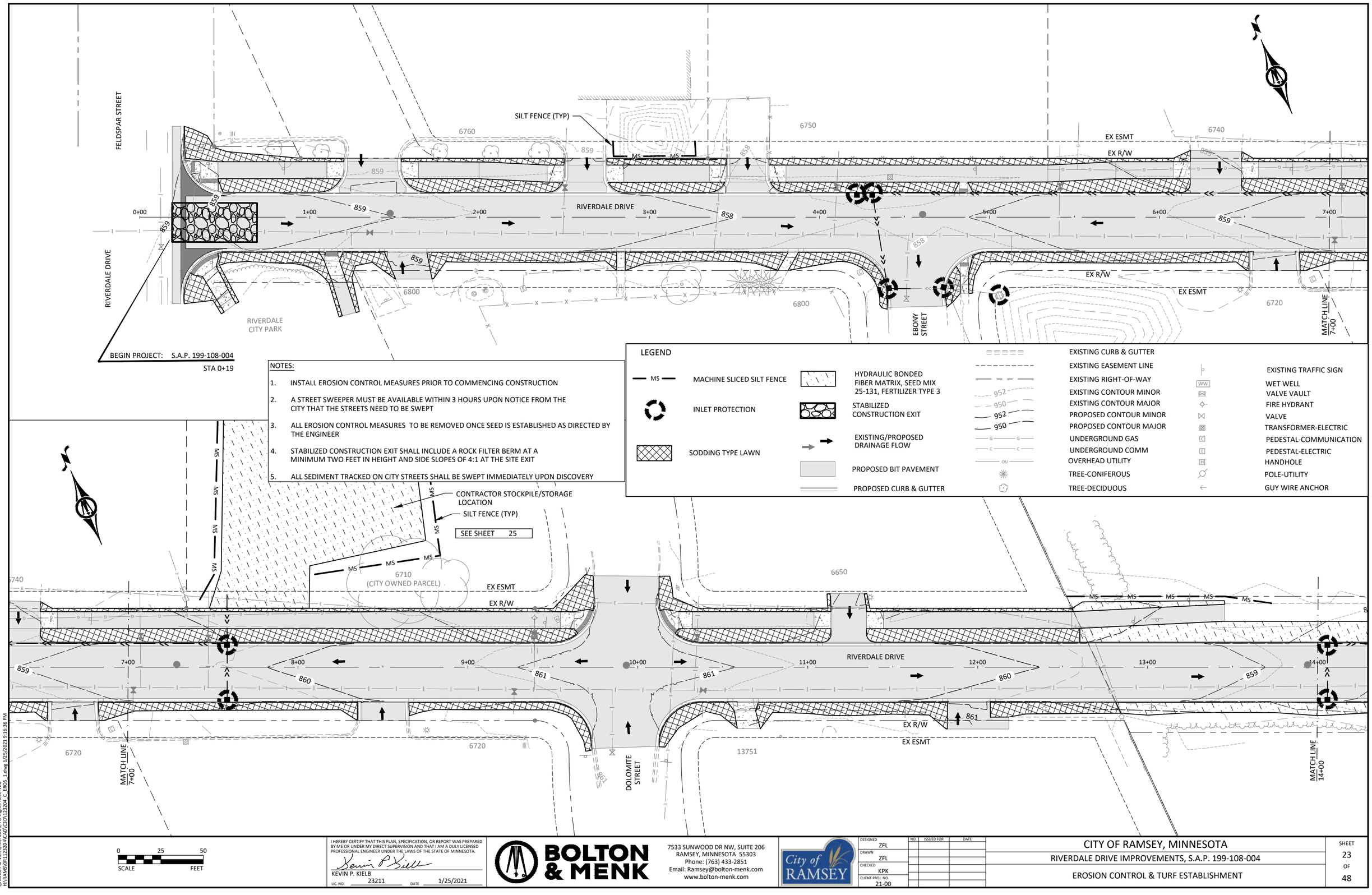
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
SWPPP SOILS

SHEET 20 OF 48



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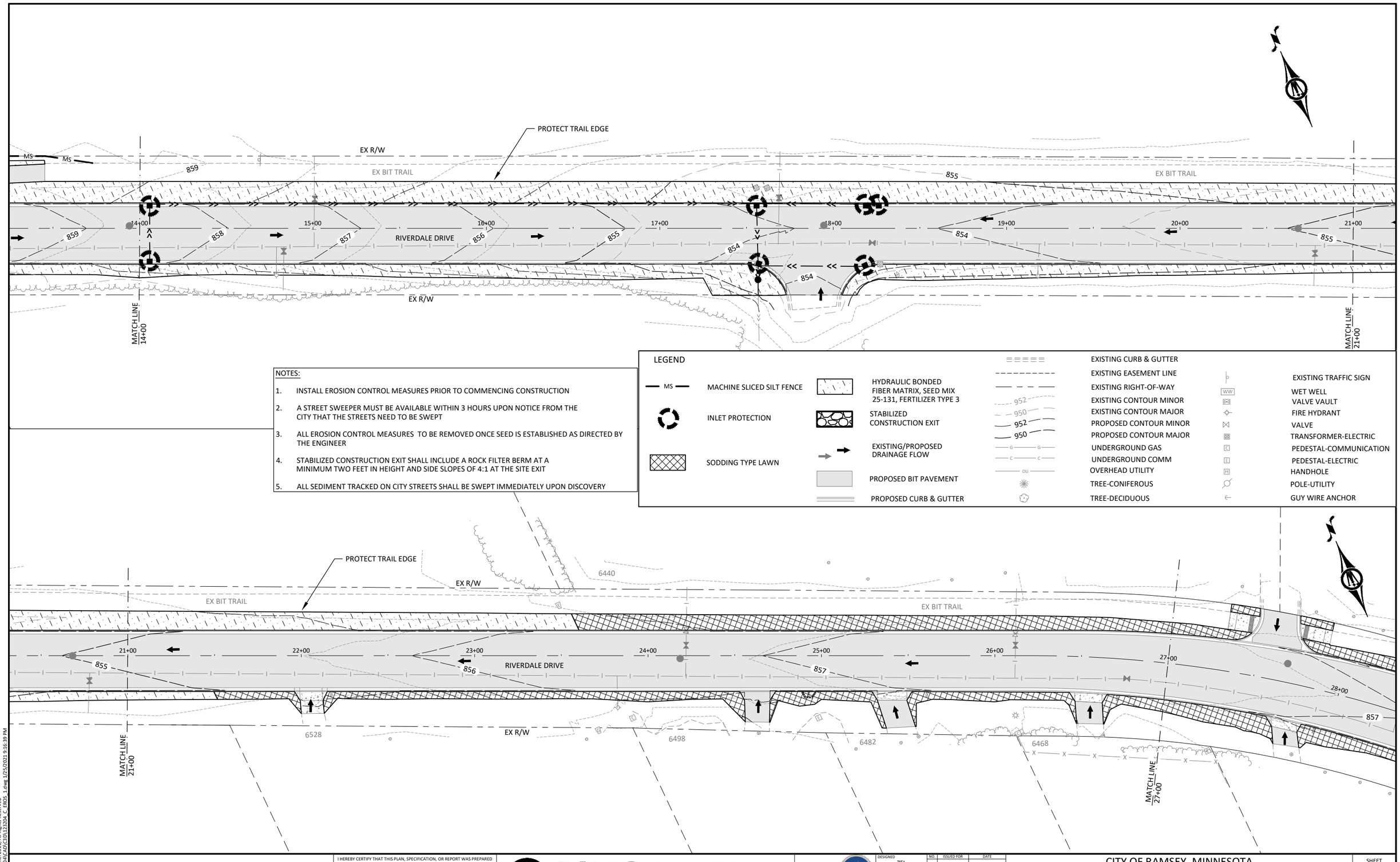
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
EROSION CONTROL & TURF ESTABLISHMENT

SHEET 23 OF 48

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NOTES:

1. INSTALL EROSION CONTROL MEASURES PRIOR TO COMMENCING CONSTRUCTION
2. A STREET SWEEPER MUST BE AVAILABLE WITHIN 3 HOURS UPON NOTICE FROM THE CITY THAT THE STREETS NEED TO BE SWEPT
3. ALL EROSION CONTROL MEASURES TO BE REMOVED ONCE SEED IS ESTABLISHED AS DIRECTED BY THE ENGINEER
4. STABILIZED CONSTRUCTION EXIT SHALL INCLUDE A ROCK FILTER BERM AT A MINIMUM TWO FEET IN HEIGHT AND SIDE SLOPES OF 4:1 AT THE SITE EXIT
5. ALL SEDIMENT TRACKED ON CITY STREETS SHALL BE SWEPT IMMEDIATELY UPON DISCOVERY

LEGEND

- MS — MACHINE SLICED SILT FENCE
- INLET PROTECTION
- SODDING TYPE LAWN
- HYDRAULIC BONDED FIBER MATRIX, SEED MIX 25-131, FERTILIZER TYPE 3
- STABILIZED CONSTRUCTION EXIT
- EXISTING/PROPOSED DRAINAGE FLOW
- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING CONTOUR MINOR (952)
- EXISTING CONTOUR MAJOR (950)
- PROPOSED CONTOUR MINOR (952)
- PROPOSED CONTOUR MAJOR (950)
- UNDERGROUND GAS (G)
- UNDERGROUND COMM (C)
- OVERHEAD UTILITY (OU)
- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- WET WELL (WW)
- VALVE VAULT
- FIRE HYDRANT
- VALVE
- TRANSFORMER-ELECTRIC
- PEDESTAL-COMMUNICATION (C)
- PEDESTAL-ELECTRIC (E)
- HANDHOLE (H)
- POLE-UTILITY
- GUY WIRE ANCHOR

SCALE 0 25 50 FEET

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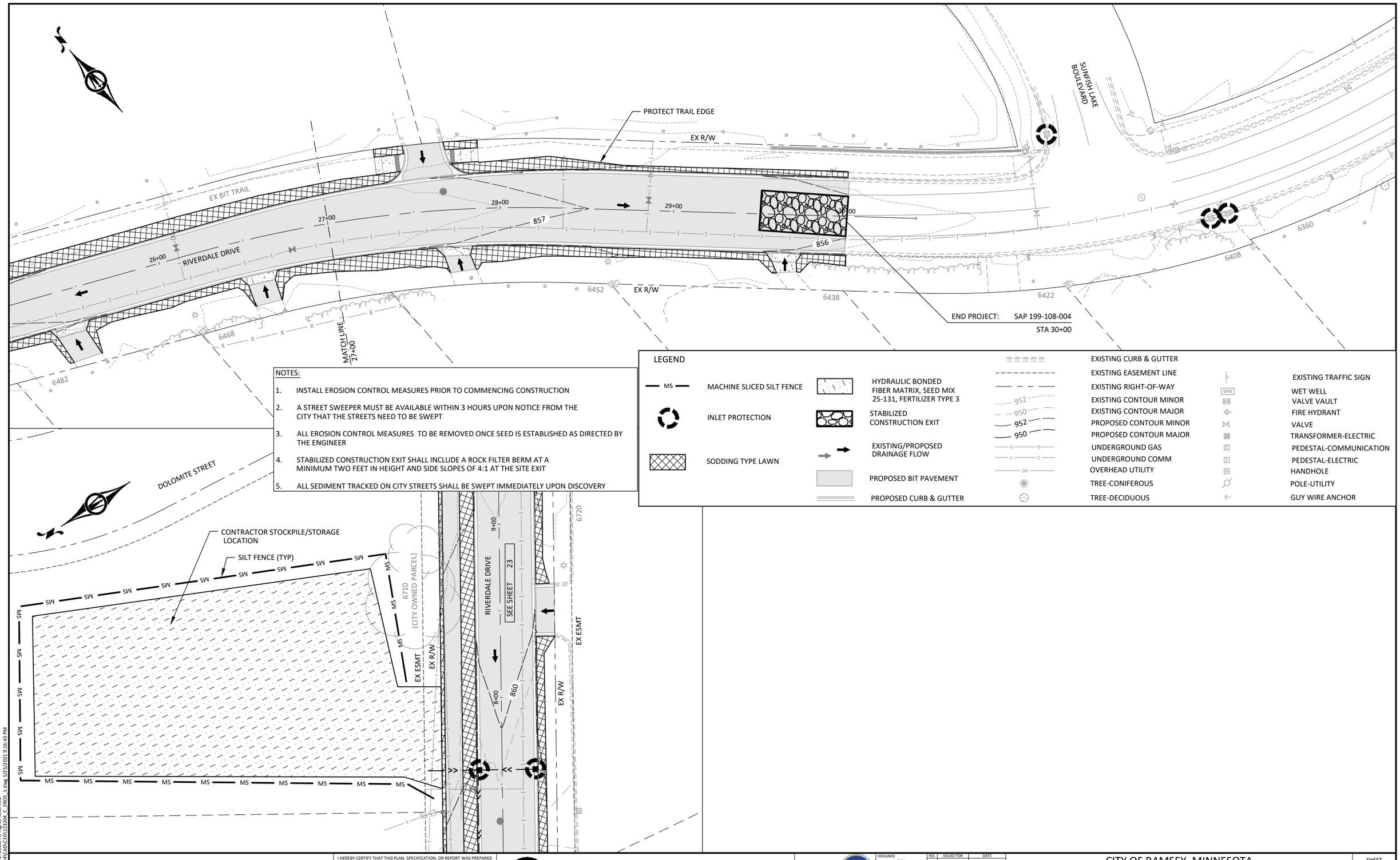
CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

EROSION CONTROL & TURF ESTABLISHMENT

SHEET 24 OF 48

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LEGEND

- MS — MACHINE SLICED SILT FENCE
- INLET PROTECTION
- SODDING TYPE LAWN
- HYDRAULIC BONDED FIBER MATRIX, SEED MIX 25-131, FERTILIZER TYPE 3
- STABILIZED CONSTRUCTION EXIT
- EXISTING/PROPOSED DRAINAGE FLOW
- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING CONTOUR MINOR (952)
- EXISTING CONTOUR MAJOR (950)
- PROPOSED CONTOUR MINOR (952)
- PROPOSED CONTOUR MAJOR (950)
- UNDERGROUND GAS (G)
- UNDERGROUND COMM (C)
- OVERHEAD UTILITY (OU)
- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- WET WELL (WW)
- VALVE VAULT
- FIRE HYDRANT
- VALVE
- TRANSFORMER-ELECTRIC
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC
- HANDHOLE
- POLE-UTILITY
- GUY WIRE ANCHOR

SCALE 0 25 50 FEET

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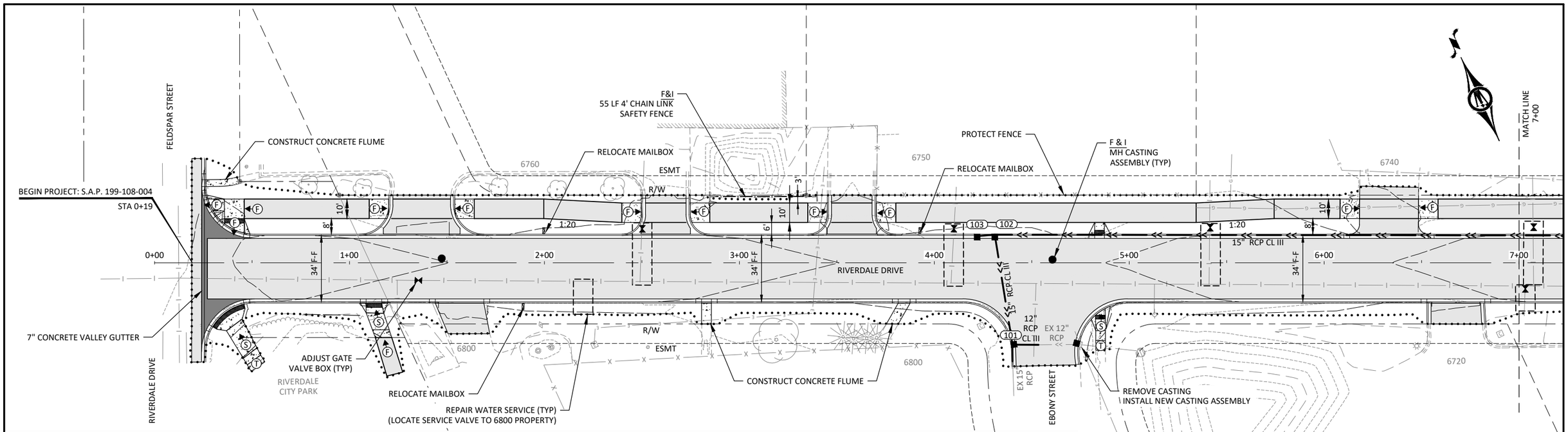
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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
EROSION CONTROL & TURF ESTABLISHMENT

SHEET 25 OF 48

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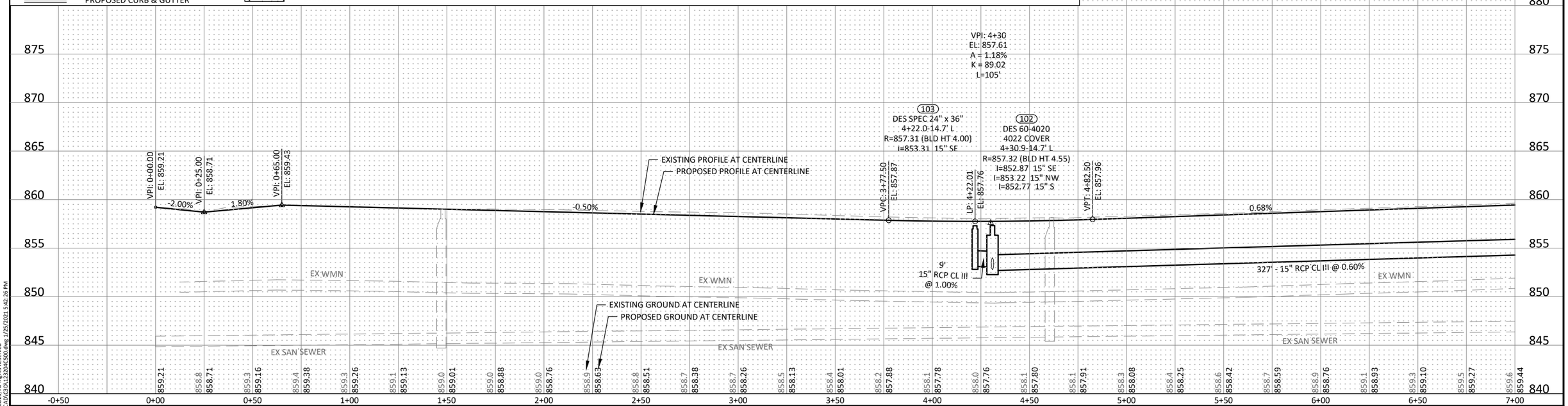


LEGEND

- CONSTRUCTION LIMITS
- STORM SEWER RECTANGULAR CASTING
- STORM SEWER MANHOLE
- STORM SEWER PIPE
- REPAIR WATER SERVICE
- PROPOSED CURB & GUTTER
- FLAT PEDESTRIAN RAMP - (BETWEEN 2% - 5%)
- STEEP PEDESTRIAN RAMP - (BETWEEN 5% - 8.3%)
- PROPOSED BIT PAVEMENT
- PROPOSED 7" CONC VALLEY GUTTER
- PROPOSED CONC WALK/ DRIVEWAY
- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- UNDERGROUND COMM
- OVERHEAD UTILITY
- UNDERGROUND GAS
- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- FIRE HYDRANT
- VALVE
- TRANSFORMER-ELECTRIC
- HANDHOLE
- POLE-UTILITY
- GUY WIRE ANCHOR
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC

NOTES

1. IF WATER SERVICE IS NOT TIED, INSTALL TIE RODS FROM VALVE TO MAIN. TIE ROD INSTALLATION SHALL BE PAID PER REPAIR WATER SERVICE (EACH)
2. POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.



HORZ. 0 25 50 SCALE FEET

VERT. 0 5 10 SCALE FEET

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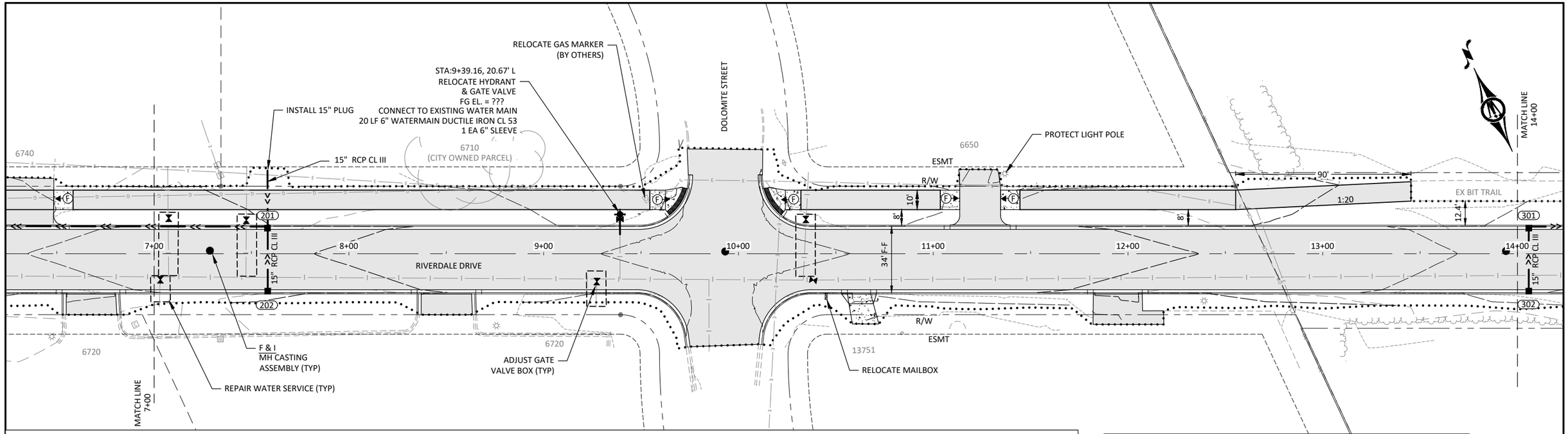
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

STREET PLAN & PROFILE

SHEET 26 OF 48

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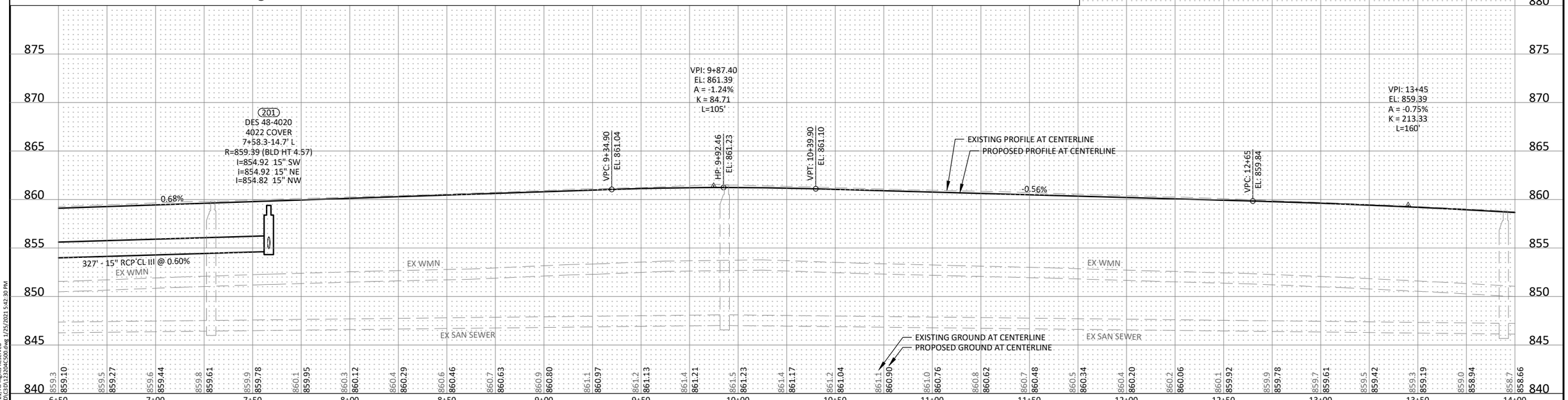


LEGEND

- CONSTRUCTION LIMITS
- STORM SEWER RECTANGULAR CASTING
- STORM SEWER MANHOLE
- STORM SEWER PIPE
- RELOCATE HYDRANT
- REPAIR WATER SERVICE
- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- PROPOSED CONC WALK/ DRIVEWAY
- FLAT RAMP - (BETWEEN 2% - 5%)
- STEEP PEDESTRIAN RAMP - (BETWEEN 5% - 8.3%)
- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING CONTOUR MINOR
- EXISTING CONTOUR MAJOR
- PROPOSED CONTOUR MINOR
- PROPOSED CONTOUR MAJOR
- UNDERGROUND COMM
- OVERHEAD UTILITY
- UNDERGROUND GAS
- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- FIRE HYDRANT
- VALVE
- TRANSFORMER-ELECTRIC
- HANDHOLE
- POLE-UTILITY
- GUY WIRE ANCHOR
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC

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VERT. 0 5 10 SCALE FEET

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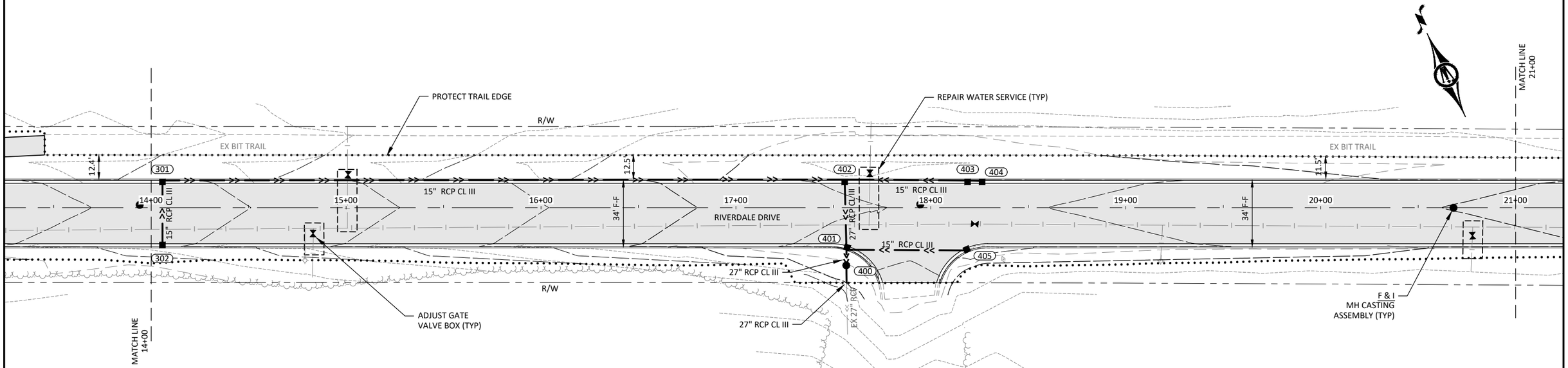
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

STREET PLAN & PROFILE

SHEET 27 OF 48

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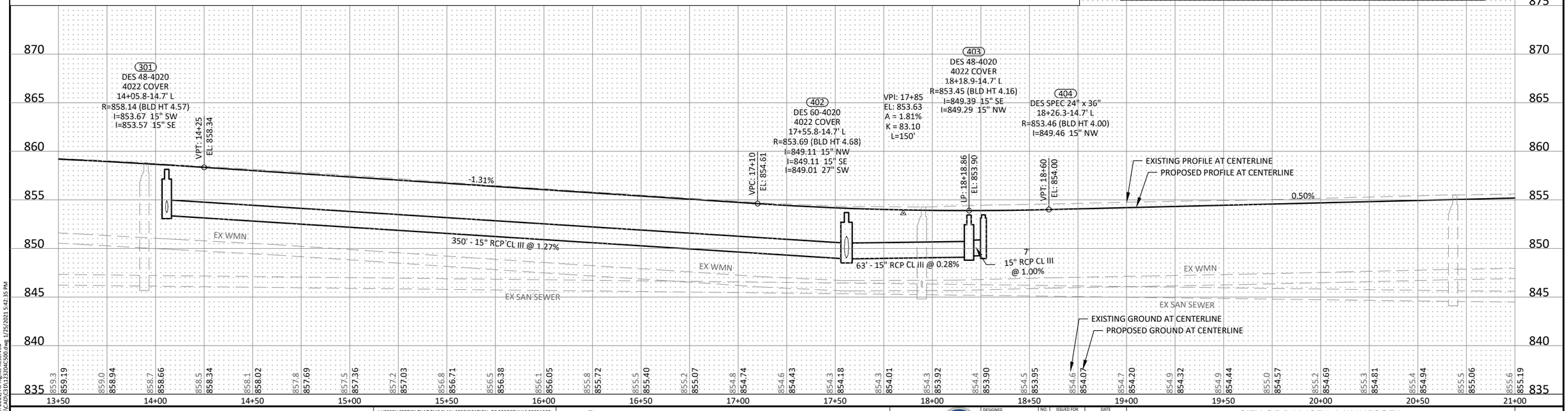


LEGEND

- CONSTRUCTION LIMITS
- STORM SEWER RECTANGULAR CASTING
- STORM SEWER MANHOLE
- STORM SEWER PIPE
- REPAIR WATER SERVICE
- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- PROPOSED CONC WALK/ DRIVEWAY
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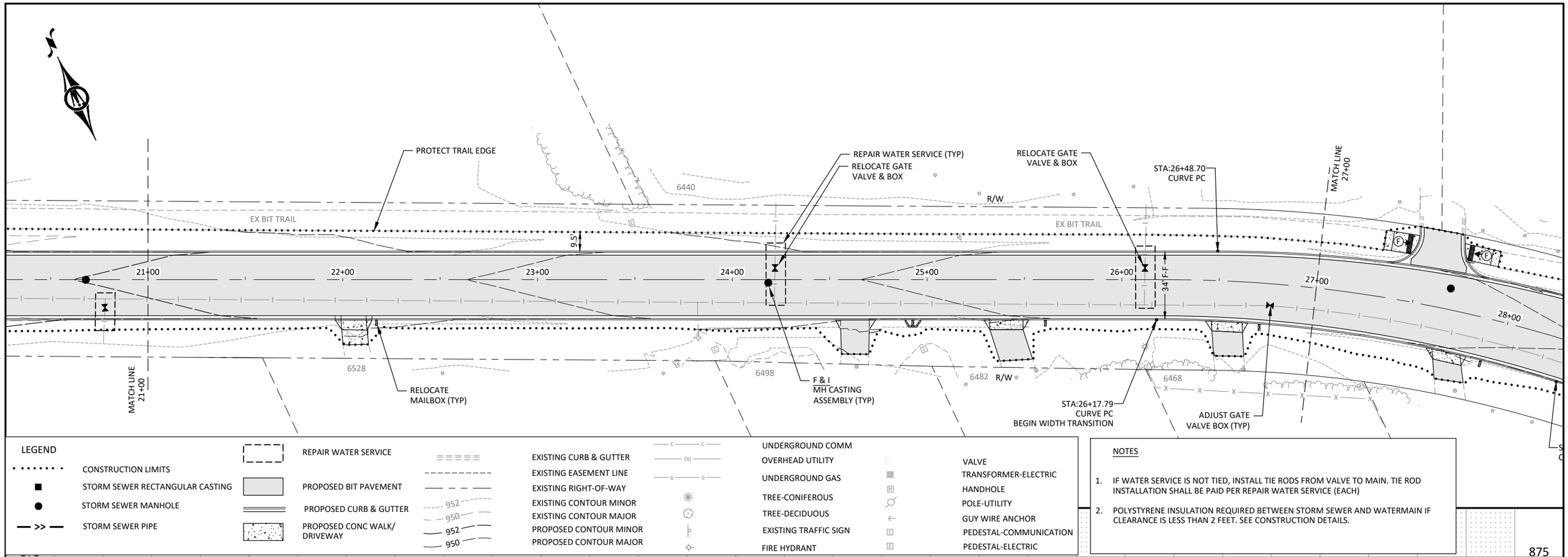
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STREET PLAN & PROFILE

SHEET 28 OF 48



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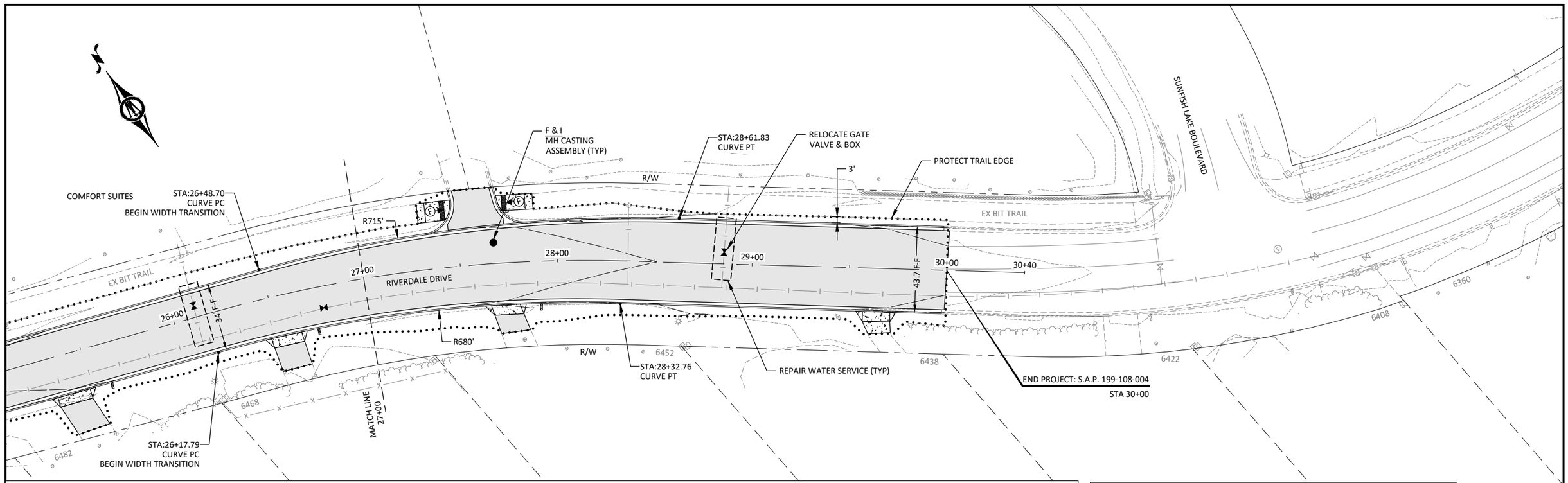
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STREET PLAN & PROFILE

SHEET 29 OF 48

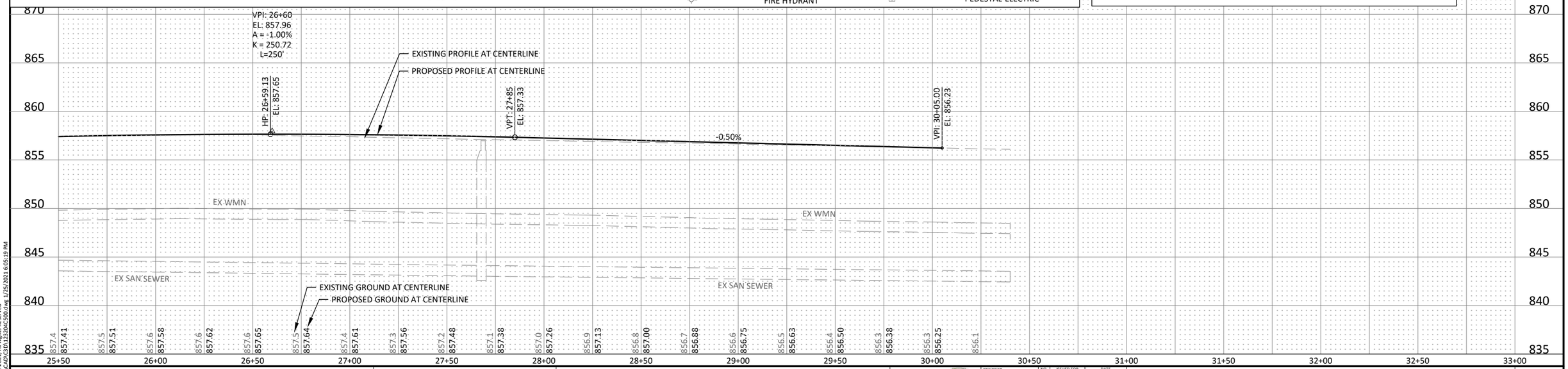


LEGEND

- CONSTRUCTION LIMITS
- STORM SEWER RECTANGULAR CASTING
- STORM SEWER MANHOLE
- STORM SEWER PIPE
- REPAIR WATER SERVICE
- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- PROPOSED CONC WALK/ DRIVEWAY
- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- EXISTING CONTOUR MINOR
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- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- FIRE HYDRANT
- VALVE
- TRANSFORMER-ELECTRIC
- HANDHOLE
- POLE-UTILITY
- GUY WIRE ANCHOR
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC

NOTES

1. IF WATER SERVICE IS NOT TIED, INSTALL TIE RODS FROM VALVE TO MAIN. TIE ROD INSTALLATION SHALL BE PAID PER REPAIR WATER SERVICE (EACH)
2. POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.



HORZ. 0 25 50 SCALE FEET

VERT. 0 5 10 SCALE FEET

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KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

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7533 SUNWOOD DR NW, SUITE 206
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	NO.	ISSUED FOR	DATE
ZFL			
DRAWN ZFL			
CHECKED KPK			
CLIENT PROJ. NO. 21-00			

CITY OF RAMSEY, MINNESOTA

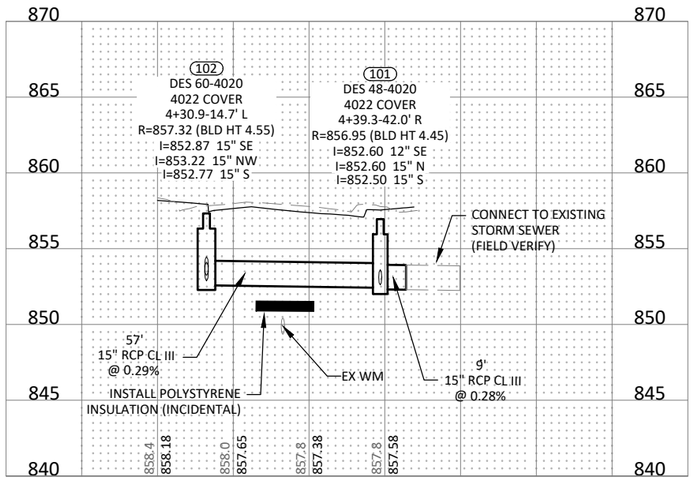
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

STREET PLAN & PROFILE

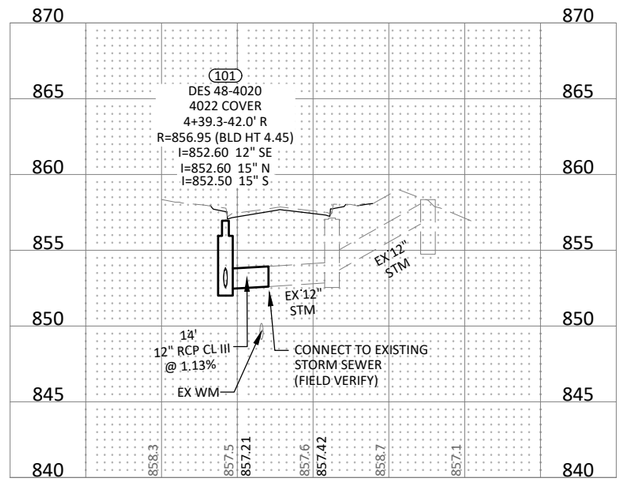
SHEET 30 OF 48

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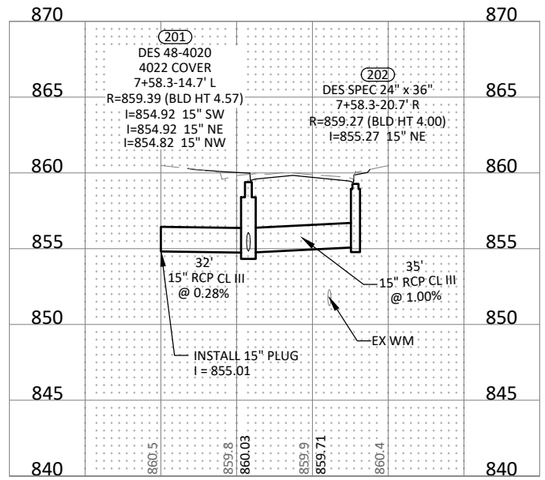
RIVERDALE DRIVE STA. 4+25



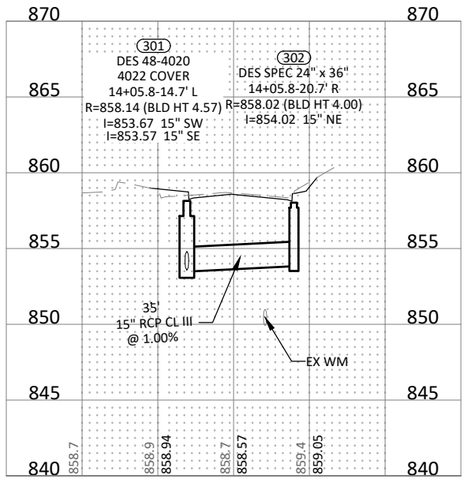
EBONY STREET STORM SEWER



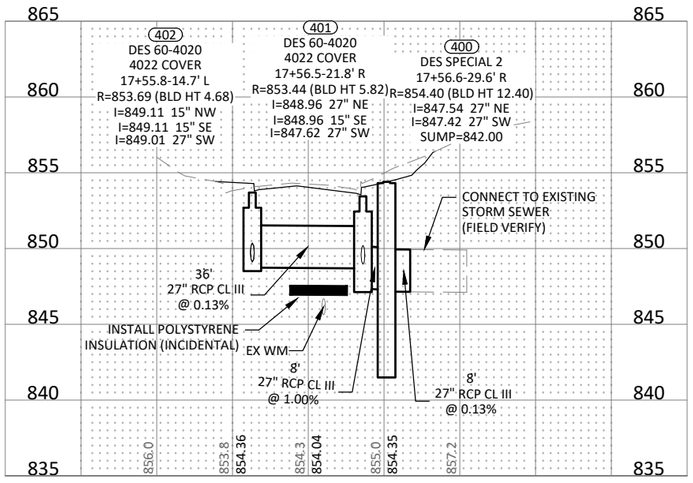
RIVERDALE DRIVE STA. 7+58



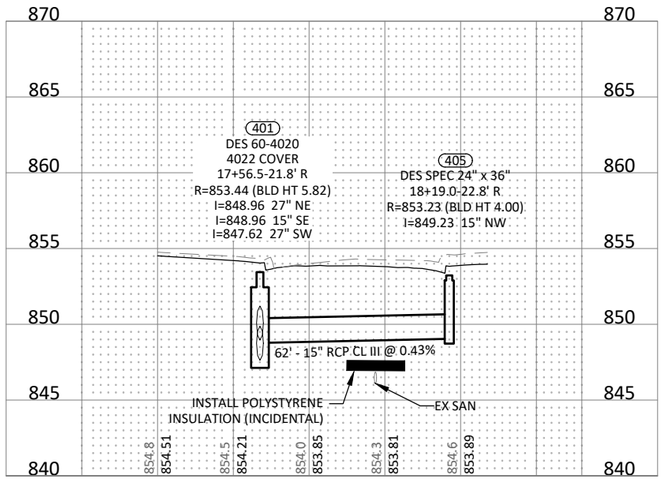
RIVERDALE DRIVE STA. 14+06



RIVERDALE DRIVE STA. 17+56



UNNAMED STREET STORM SEWER STA. 17+89



NOTES

1. POLYSTYRENE INSULATION REQUIRED BETWEEN STORM SEWER AND WATERMAIN IF CLEARANCE IS LESS THAN 2 FEET. SEE CONSTRUCTION DETAILS.

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HORZ. 0 25 50 SCALE FEET

VERT. 0 5 10 SCALE FEET

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City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

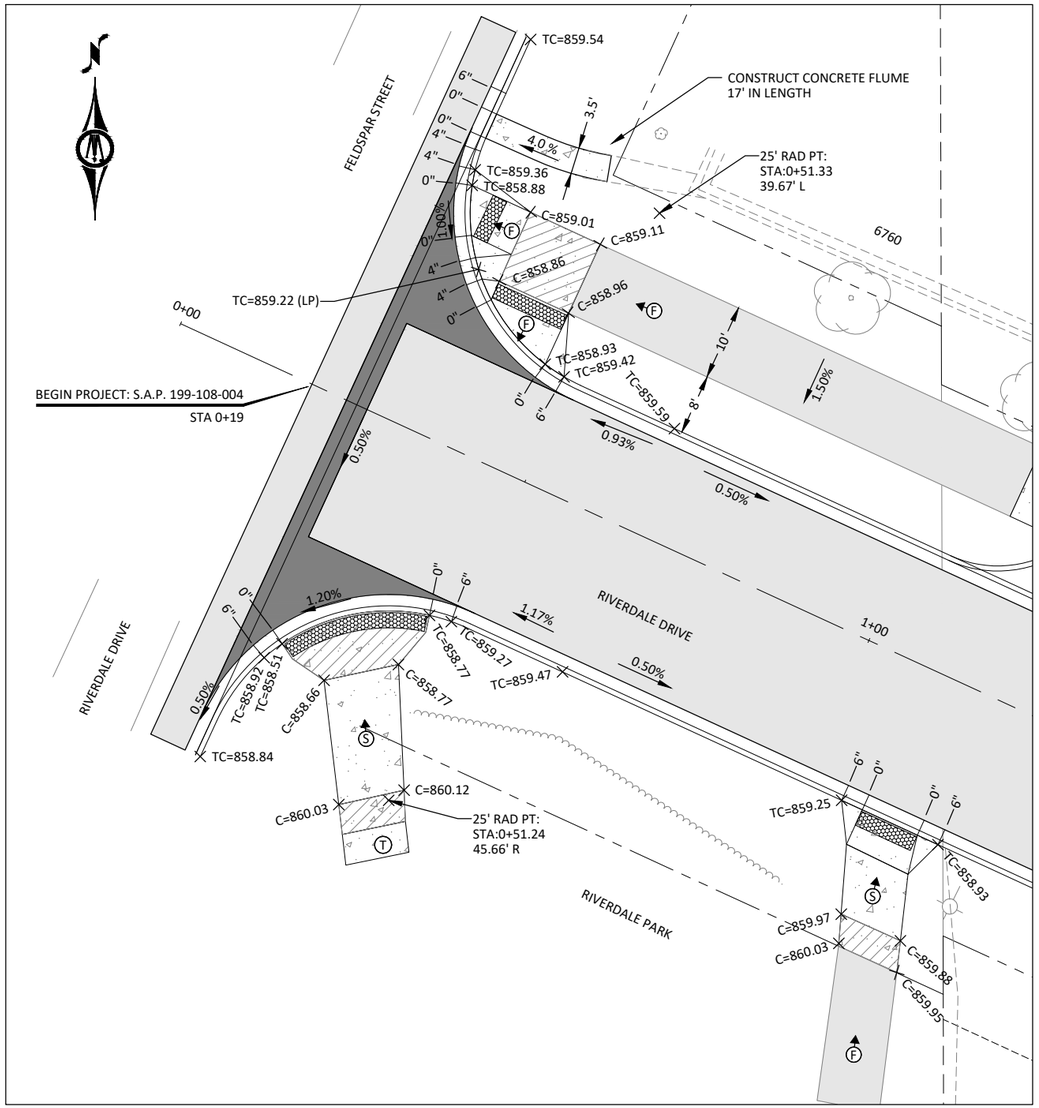
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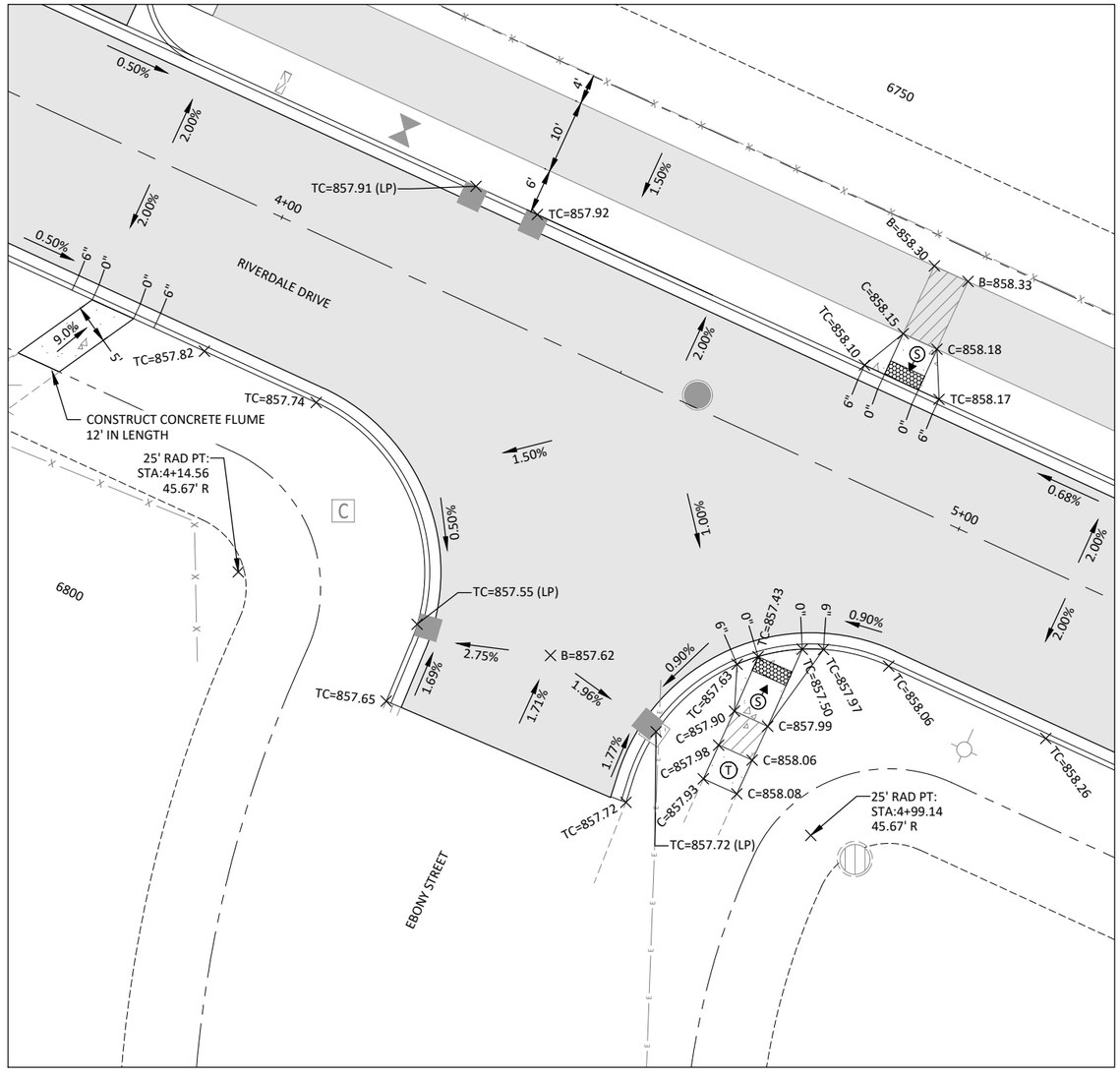
CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

STORM SEWER LEADS

SHEET 31 OF 48





LEGEND

- EXISTING CURB & GUTTER
- B618 CONCRETE CURB & GUTTER
- PROPOSED BIT PAVEMENT
- 7" CONCRETE VALLEY GUTTER
- 6" CONCRETE WALK (2521)
- TRUNCATED DOMES (SEE STANDARD PLATE 7038)
- LANDING AREA - 4'X4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS
- —X" CURB HEIGHT
- Ⓢ▶ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- Ⓕ▶ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- Ⓣ TRANSITION PANEL - REQUIRED ONLY IF CROSS SLOPE OF EXISTING WALK IS GREATER THAN 2%
- 2.0% SURFACE FLOW DIRECTION
- X TC=XXX.XX PROPOSED TOP OF CURB
- X G=XXX.XX PROPOSED GUTTER
- X C=XXX.XX PROPOSED TOP OF CONCRETE
- X B=XXX.XX PROPOSED TOP OF BITUMINOUS

NOTES:

1. MATCH PROPOSED GUTTER WITH EXISTING GUTTER
2. STREET RADII AND RADIUS POINTS ARE TO BACK OF CURB
3. CONCRETE SPILLWAY SHALL BE PAID AS 4" CONCRETE WALK

0 10 20
SCALE FEET

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City of RAMSEY

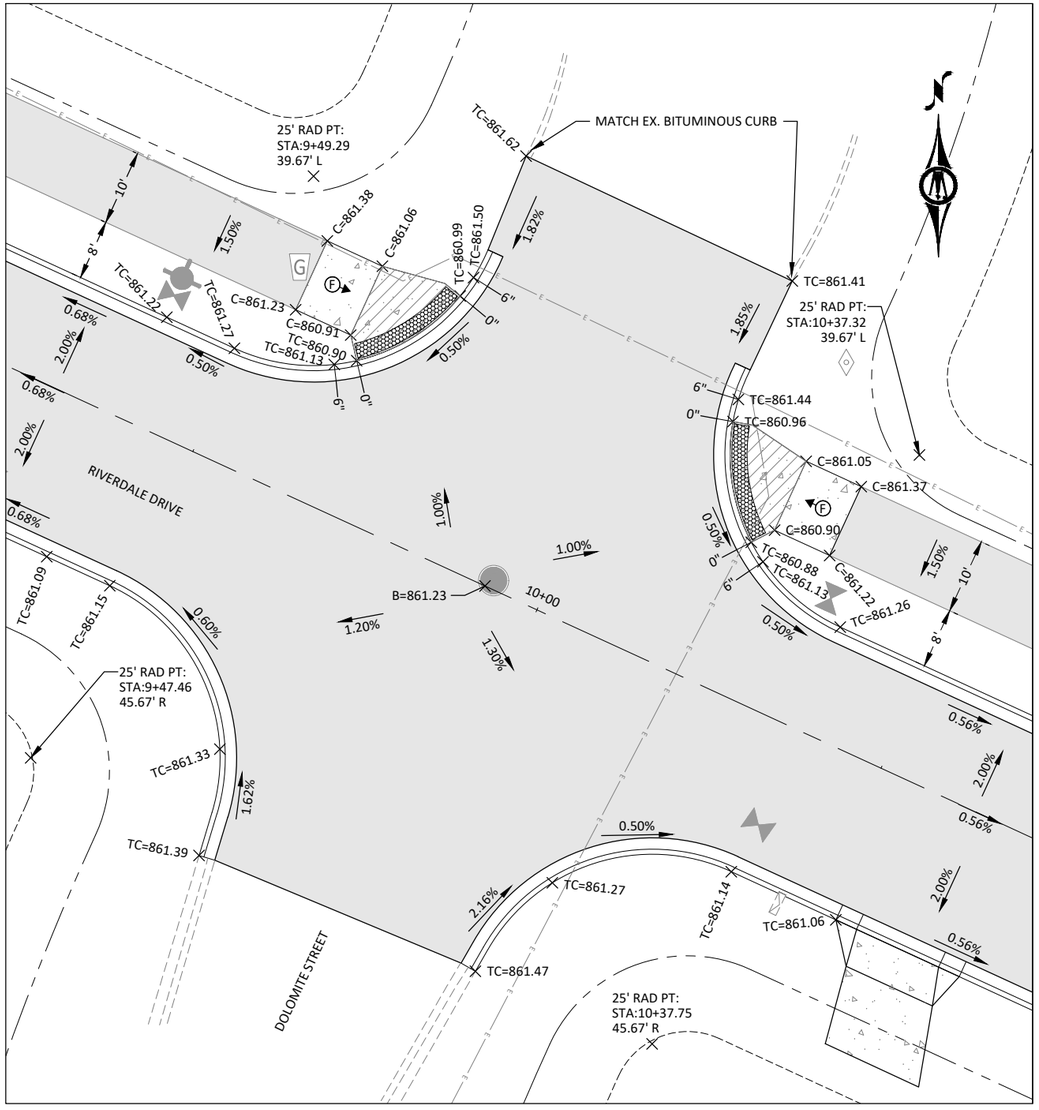
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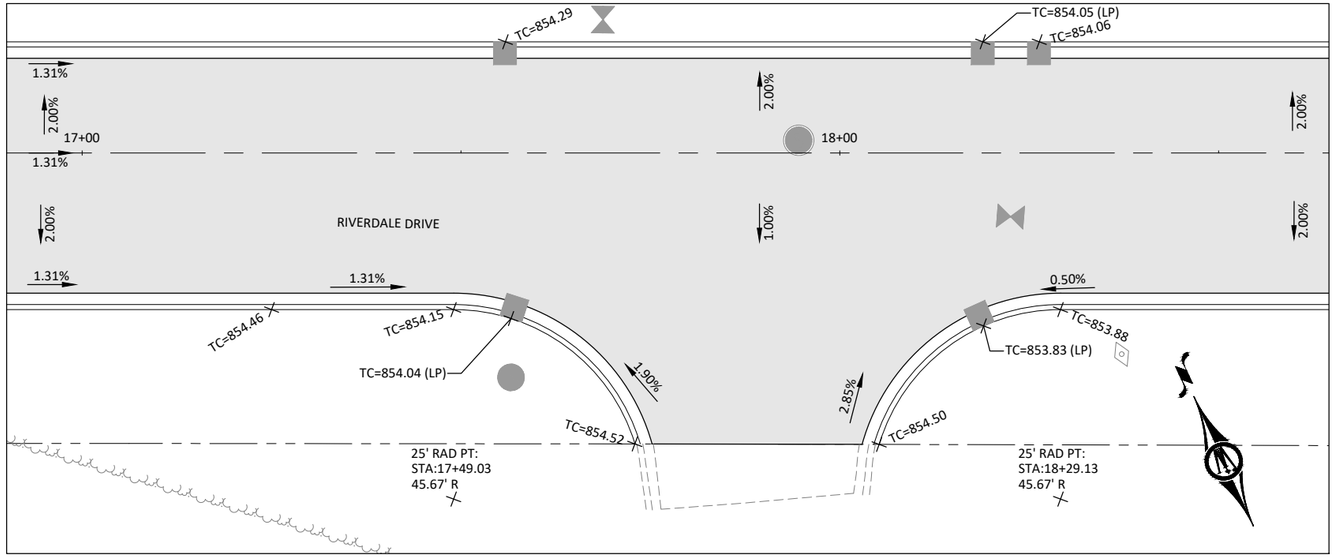
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CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
INTERSECTION DETAILS

SHEET 32 OF 48

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LEGEND

- EXISTING CURB & GUTTER
- B618 CONCRETE CURB & GUTTER
- PROPOSED BIT PAVEMENT
- 7" CONCRETE VALLEY GUTTER
- 6" CONCRETE WALK (2521)
- TRUNCATED DOMES (SEE STANDARD PLATE 7038)
- LANDING AREA - 4'X4' MIN. DIMENSIONS AND MAX 2.0% SLOPE IN ALL DIRECTIONS
- —X" CURB HEIGHT
- Ⓢ▶ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE BETWEEN 5.0% MINIMUM AND 8.3% MAXIMUM IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- Ⓕ▶ INDICATES PEDESTRIAN RAMP - SLOPE SHALL BE GREATER THAN 2.0% AND LESS THAN 5.0% IN THE DIRECTION SHOWN AND CROSS SLOPE SHALL NOT EXCEED 2.0%
- Ⓣ TRANSITION PANEL - REQUIRED ONLY IF CROSS SLOPE OF EXISTING WALK IS GREATER THAN 2%
- 2.0% SURFACE FLOW DIRECTION

X TC=XXX.XX	PROPOSED TOP OF CURB
X G=XXX.XX	PROPOSED GUTTER
X C=XXX.XX	PROPOSED TOP OF CONCRETE
X B=XXX.XX	PROPOSED TOP OF BITUMINOUS

NOTES:

1. MATCH PROPOSED GUTTER WITH EXISTING GUTTER
2. STREET RADII AND RADIUS POINTS ARE TO BACK OF CURB

0 10 20
SCALE FEET

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KEVIN P. KIELB
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City of RAMSEY

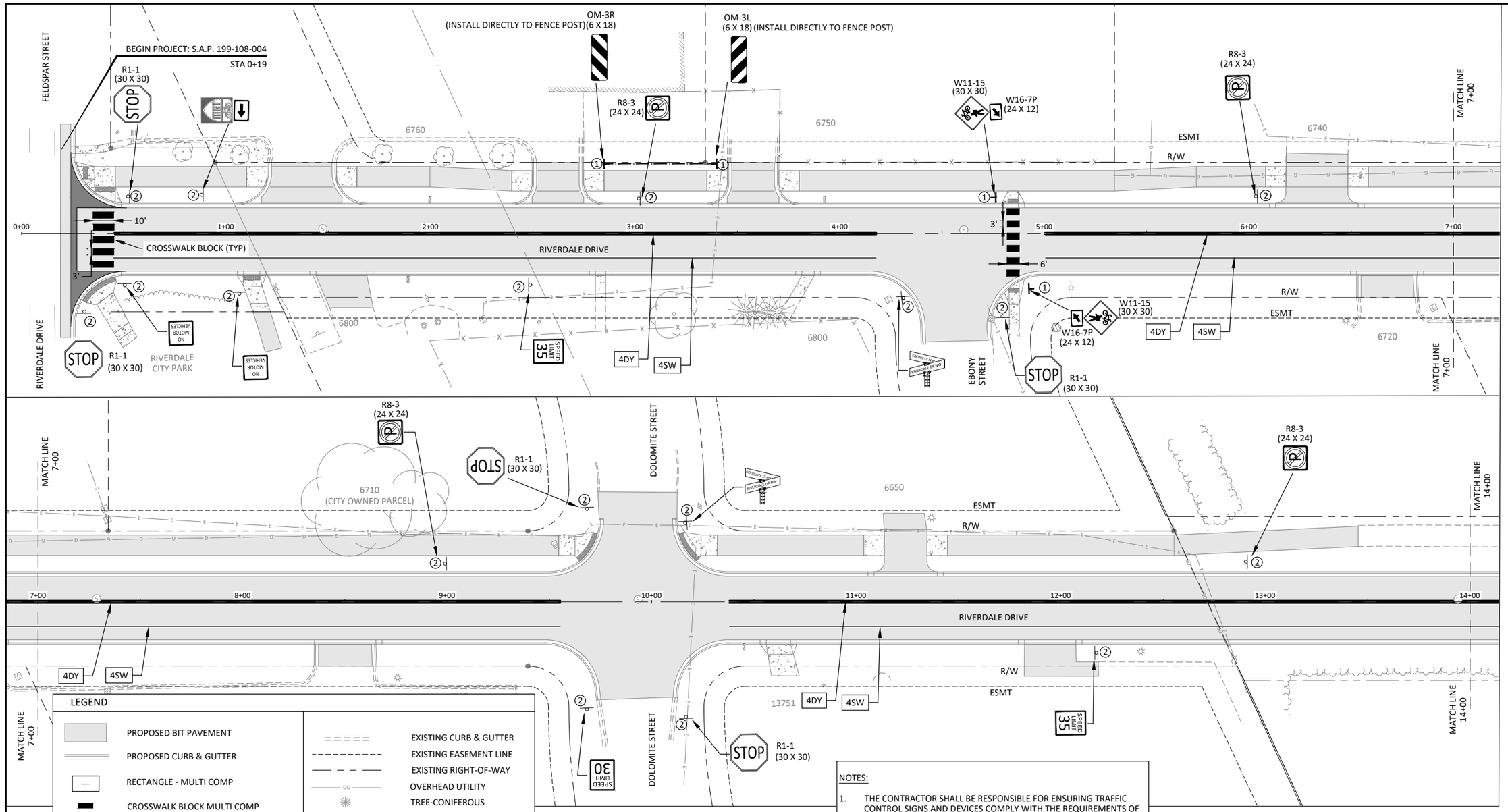
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NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
INTERSECTION DETAILS

SHEET 33 OF 48

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LEGEND

- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- RECTANGLE - MULTI COMP
- CROSSWALK BLOCK MULTI COMP
- ① FURNISH & INSTALL NEW SIGN
- ② REINSTALL EXISTING SIGN

1ST DIGIT(S) WIDTH: 4", 8", ETC.
2ND DIGIT PATTERN: S - SOLID; B - BROKEN; D - DOTTED/DOUBLE
3RD DIGIT COLOR: W - WHITE; Y - YELLOW; B - BLACK

EXAMPLE: 4SW = 4" SOLID LINE WHITE - MULTI COMP

- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- OU OVERHEAD UTILITY
- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- WW WET WELL
- VALVE VAULT
- FIRE HYDRANT
- VALVE
- TRAN TRANSFORMER-ELECTRIC
- C PEDESTAL-COMMUNICATION
- E PEDESTAL-ELECTRIC
- H HANDHOLE
- POLE-UTILITY
- GUY WIRE ANCHOR

NOTES:

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ENSURING TRAFFIC CONTROL SIGNS AND DEVICES COMPLY WITH THE REQUIREMENTS OF THE MNMUTCD AT ALL TIMES DURING CONSTRUCTION
2. THE CITY OF RAMSEY WILL REMOVE/SALVAGE EXISTING SIGNS DURING CONSTRUCTION
3. THE CITY OF RAMSEY SHALL FURNISH & INSTALL ALL NEW SIGNS
4. THE CONTRACTOR SHALL CONTACT THE CITY 48 HOURS IN ADVANCE OF WHEN SIGNS NEED TO BE REMOVED/SALVAGED
5. THE CONTRACTOR SHALL COVER (BAG) EXISTING SIGNS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL UNTIL SUCH TIME THAT THE CITY OF RAMSEY REMOVES/SALVAGES THE SIGNS
6. THE CONTRACTOR SHALL PROVIDE 2 WEEKS NOTICE TO THE CITY OF RAMSEY PRIOR TO THE PERMANENT SIGNS BEING REQUIRED TO BE INSTALLED/REINSTALLED

HORZ. 0 25 50
SCALE FEET

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City of RAMSEY

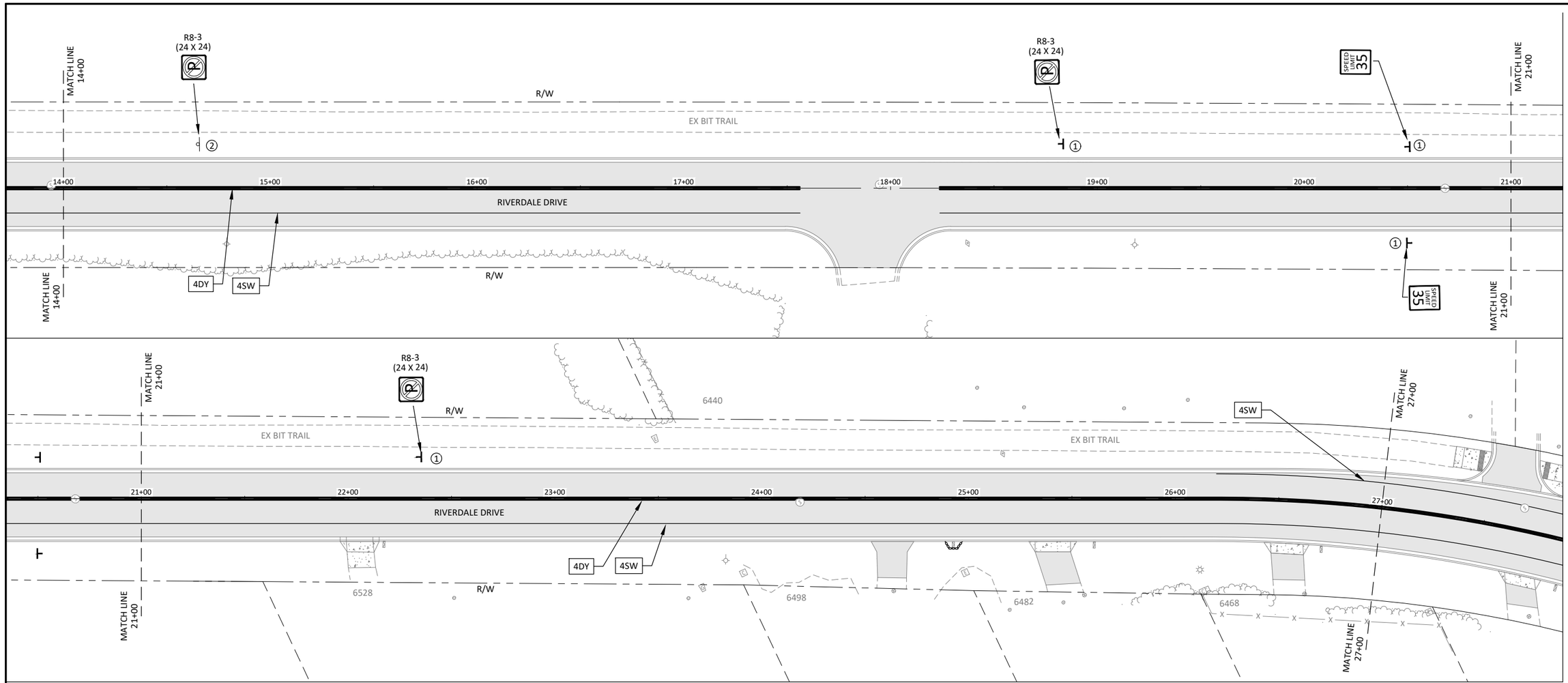
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CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STREET SIGNAGE & STRIPING PLAN

SHEET 34 OF 48

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LEGEND

- PROPOSED BIT PAVEMENT
- PROPOSED CURB & GUTTER
- RECTANGLE - MULTI COMP
- CROSSWALK BLOCK MULTI COMP
- FURNISH & INSTALL NEW SIGN
- REINSTALL EXISTING SIGN

1ST DIGIT(S) WIDTH: 4", 8", ETC.
2ND DIGIT PATTERN: S - SOLID; B - BROKEN; D - DOTTED/DOUBLE
3RD DIGIT COLOR: W - WHITE; Y - YELLOW; B - BLACK

EXAMPLE: 4SW = 4" SOLID LINE WHITE - MULTI COMP

- EXISTING CURB & GUTTER
- EXISTING EASEMENT LINE
- EXISTING RIGHT-OF-WAY
- OVERHEAD UTILITY
- TREE-CONIFEROUS
- TREE-DECIDUOUS
- EXISTING TRAFFIC SIGN
- WET WELL
- VALVE VAULT
- FIRE HYDRANT
- VALVE
- TRANSFORMER-ELECTRIC
- PEDESTAL-COMMUNICATION
- PEDESTAL-ELECTRIC
- HANDHOLE
- POLE-UTILITY
- GUY WIRE ANCHOR

NOTES:

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5. THE CONTRACTOR SHALL COVER (BAG) EXISTING SIGNS THAT CONFLICT WITH THE TEMPORARY TRAFFIC CONTROL UNTIL SUCH TIME THAT THE CITY OF RAMSEY REMOVES/SALVAGES THE SIGNS
6. THE CONTRACTOR SHALL PROVIDE 2 WEEKS NOTICE TO THE CITY OF RAMSEY PRIOR TO THE PERMANENT SIGNS BEING REQUIRED TO BE INSTALLED/REINSTALLED

HORZ. SCALE 0 25 50 FEET

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City of RAMSEY

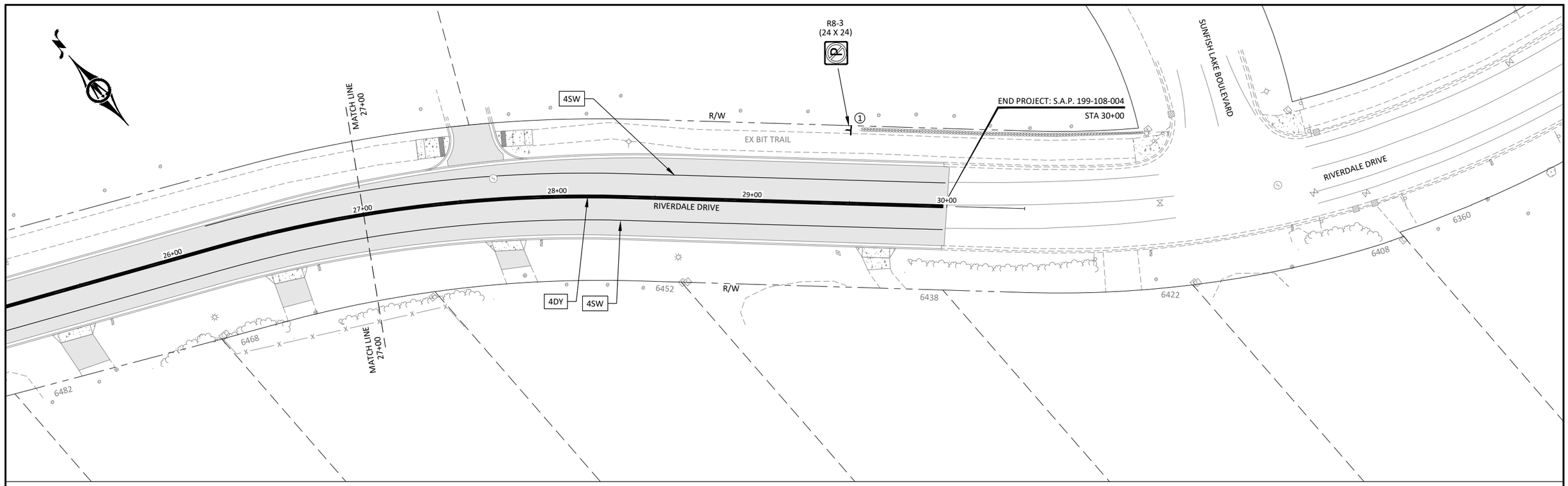
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CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STREET SIGNAGE & STRIPING PLAN

SHEET 35 OF 48

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LEGEND

PROPOSED BIT PAVEMENT	EXISTING CURB & GUTTER
PROPOSED CURB & GUTTER	EXISTING EASEMENT LINE
RECTANGLE - MULTI COMP	EXISTING RIGHT-OF-WAY
CROSSWALK BLOCK MULTI COMP	OVERHEAD UTILITY
FURNISH & INSTALL NEW SIGN	TREE-CONIFEROUS
REINSTALL EXISTING SIGN	TREE-DECIDUOUS
	EXISTING TRAFFIC SIGN
	WET WELL
	VALVE VAULT
	FIRE HYDRANT
	VALVE
	TRANSFORMER-ELECTRIC
	PEDESTAL-COMMUNICATION
	PEDESTAL-ELECTRIC
	HANDHOLE
	POLE-UTILITY
	GUY WIRE ANCHOR

1ST DIGIT(S) WIDTH	2ND DIGIT PATTERN	3RD DIGIT COLOR
4", 8", ETC.	S - SOLID	W - WHITE
	B - BROKEN	Y - YELLOW
	D - DOTTED/DOUBLE	B - BLACK

EXAMPLE: 4SW = 4" SOLID LINE WHITE - MULTI COMP

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HORZ. SCALE 0 25 50 FEET

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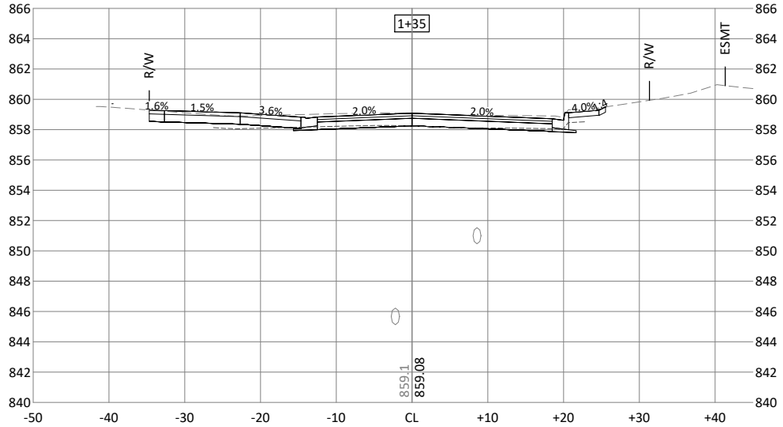
City of RAMSEY

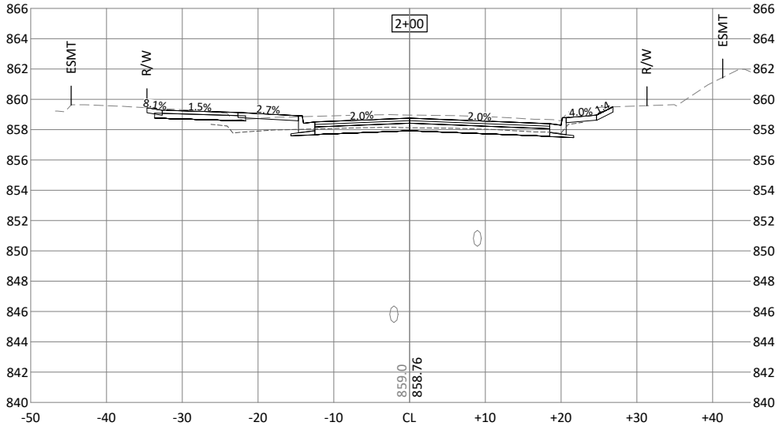
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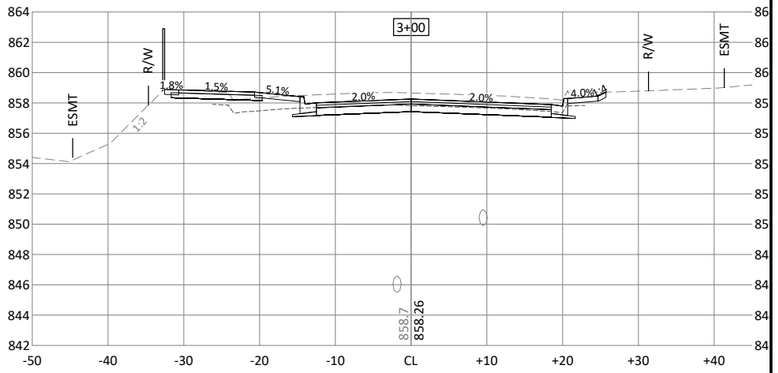
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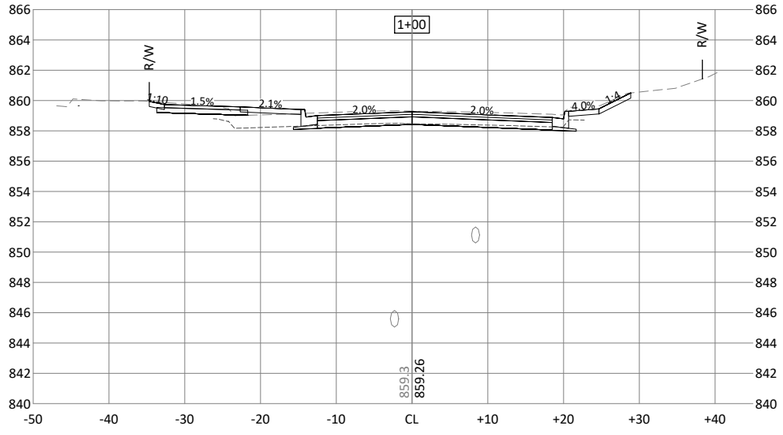
CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
STREET SIGNAGE & STRIPING PLAN

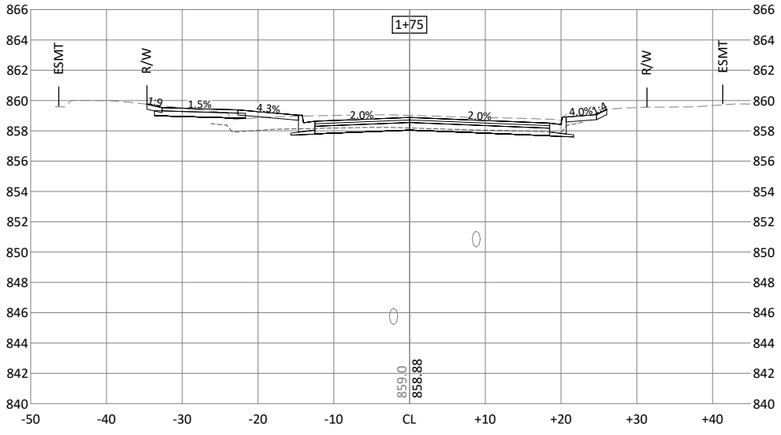
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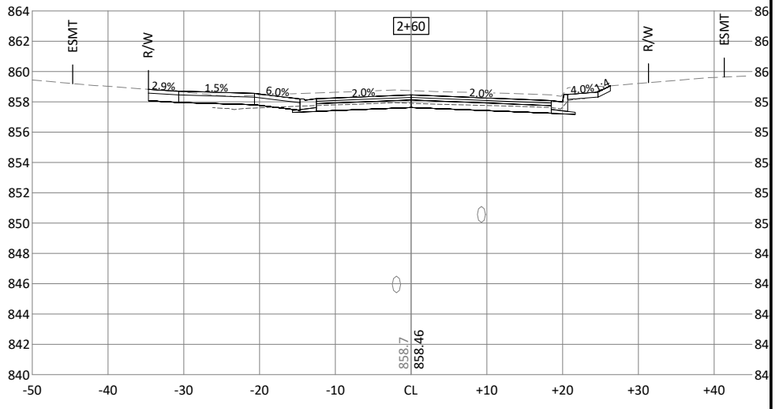


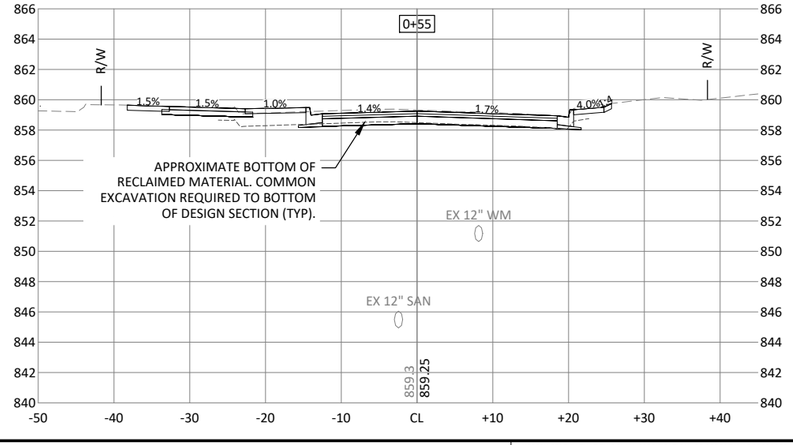


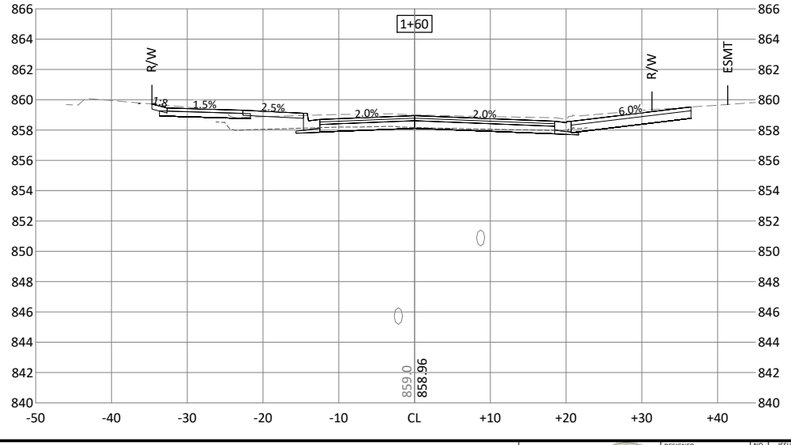


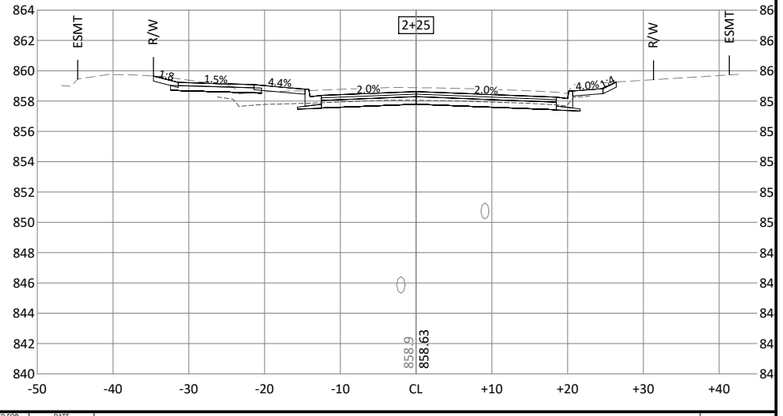












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KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

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RAMSEY, MINNESOTA 55303
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Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

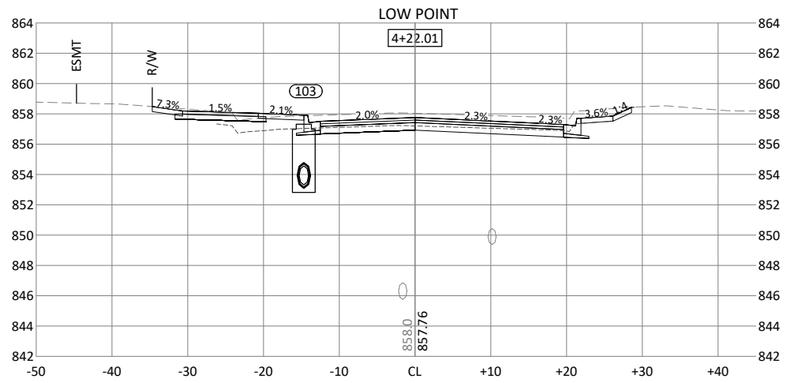
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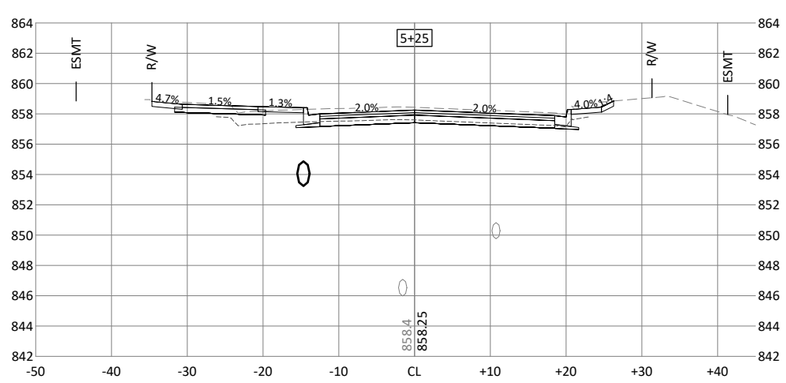
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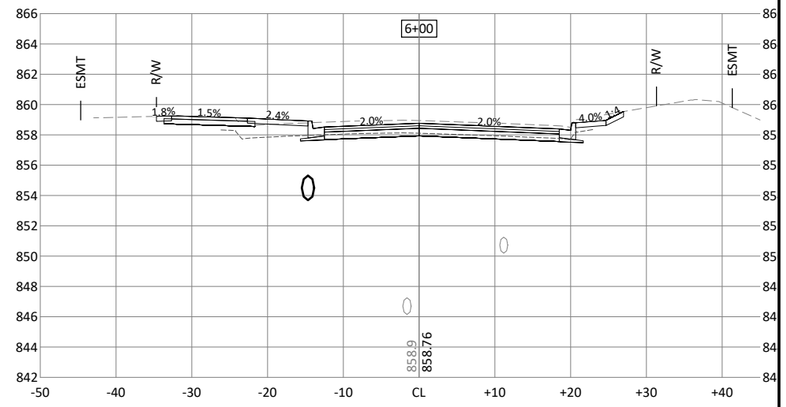
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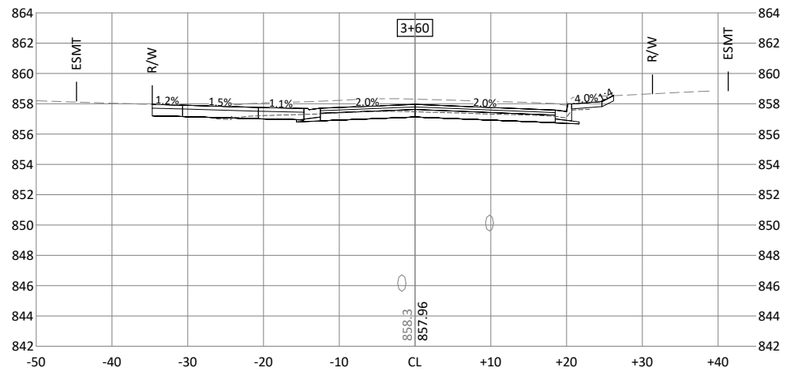
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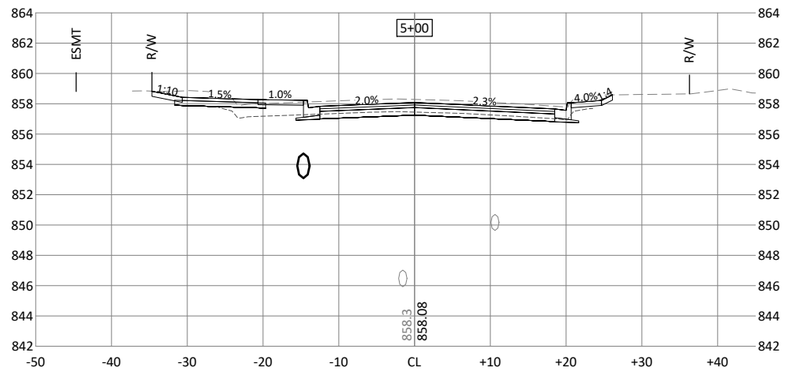
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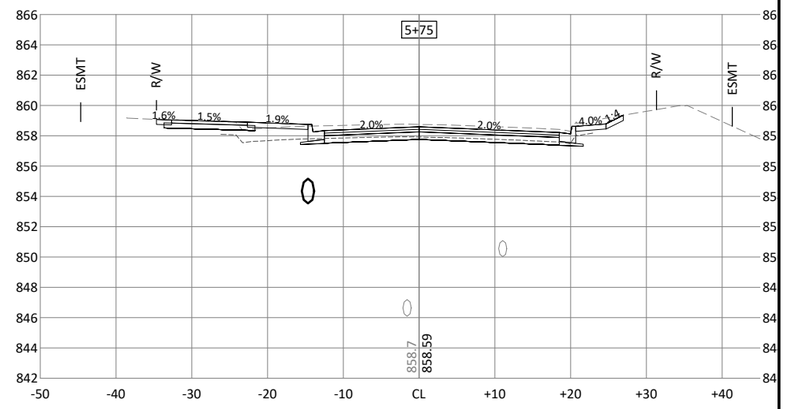


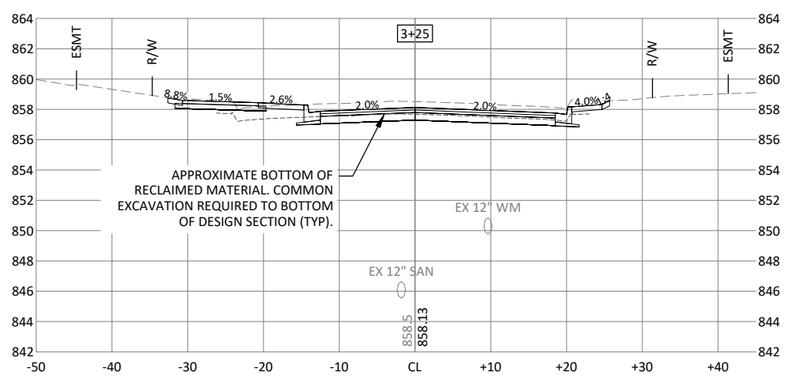


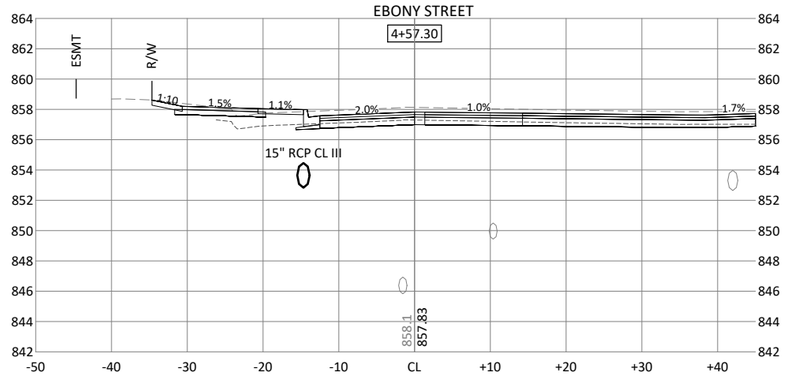


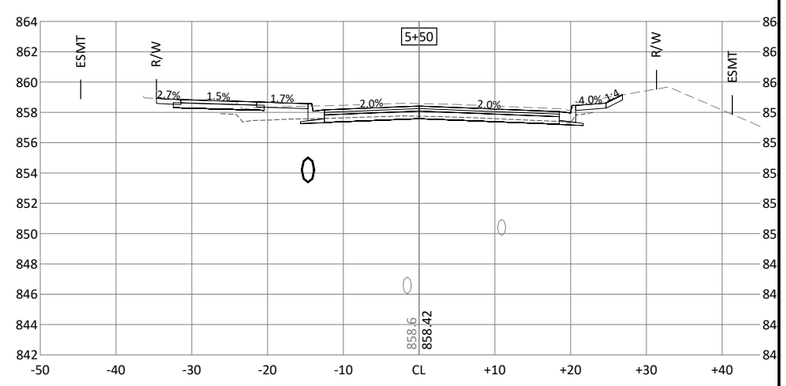












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City of RAMSEY

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DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

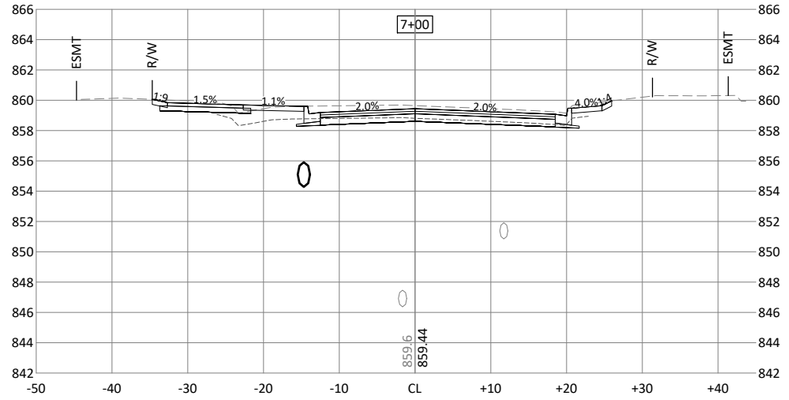
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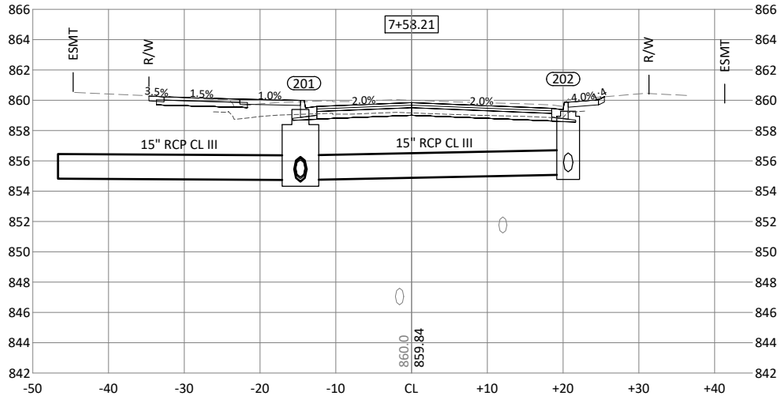
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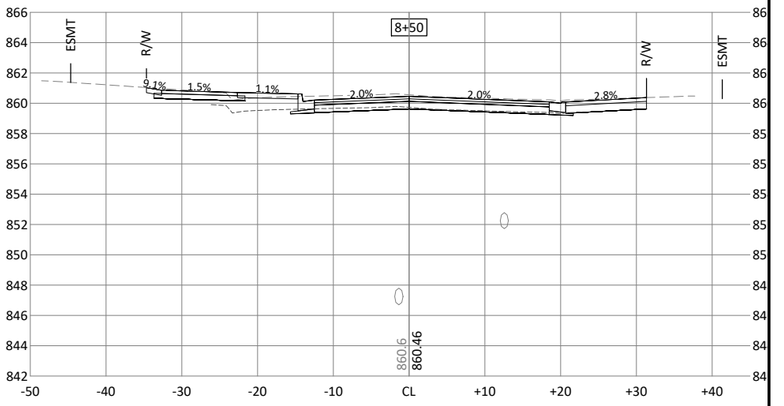
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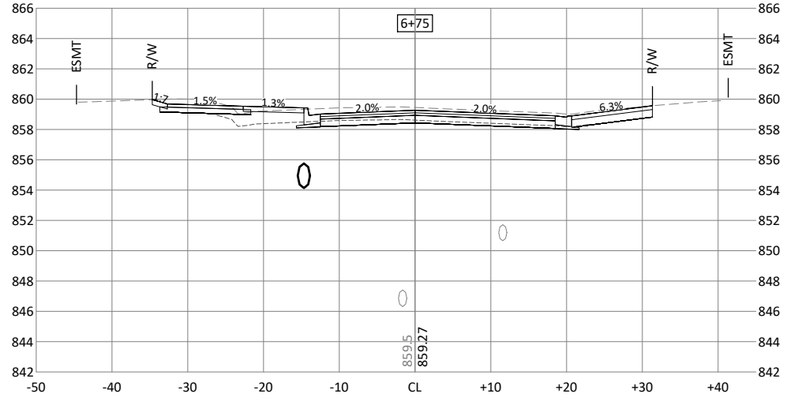
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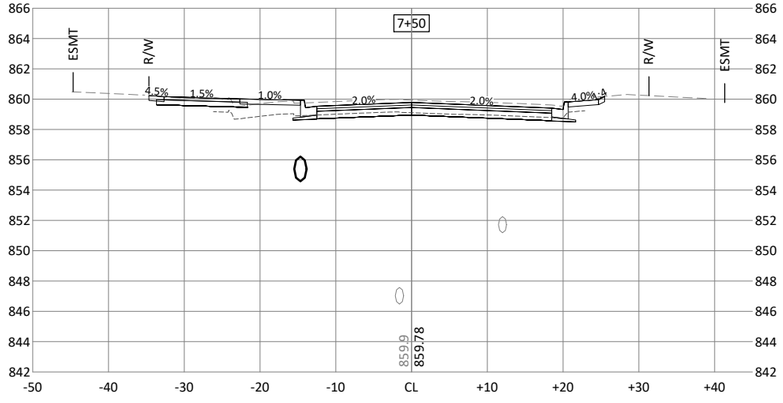
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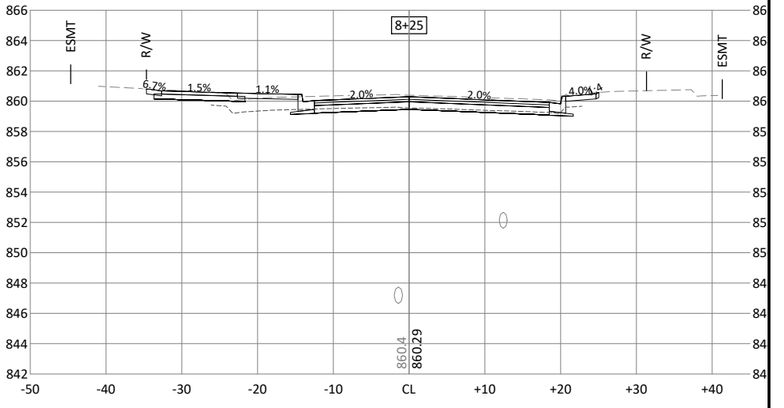


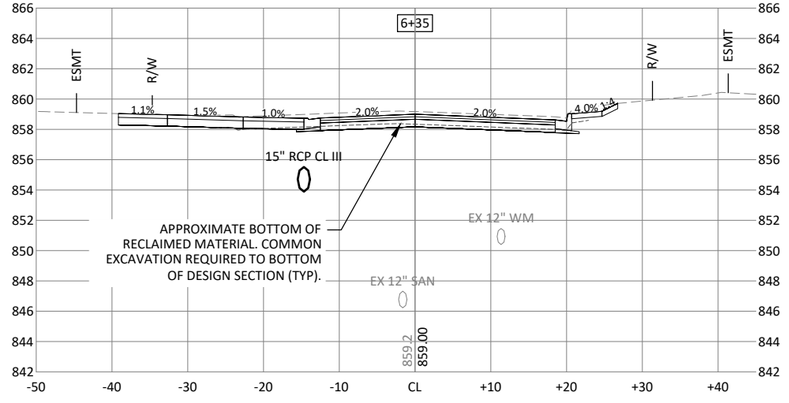


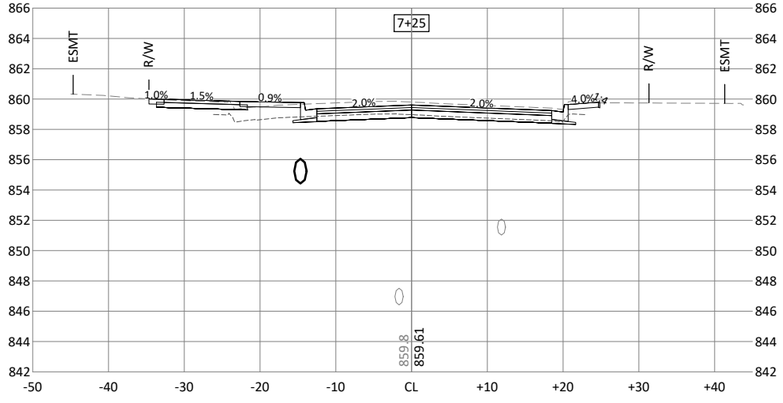


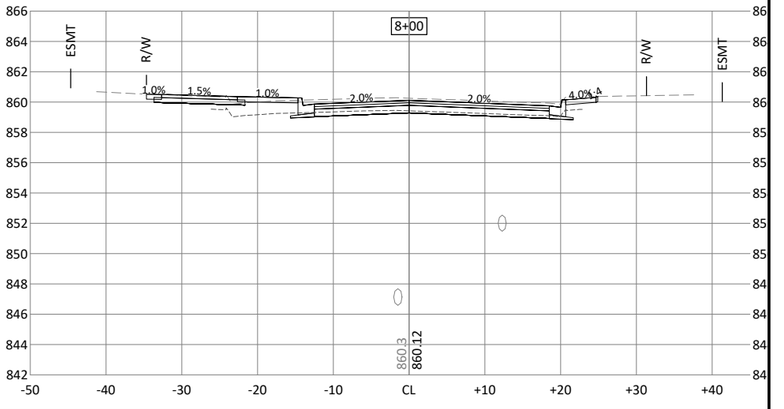












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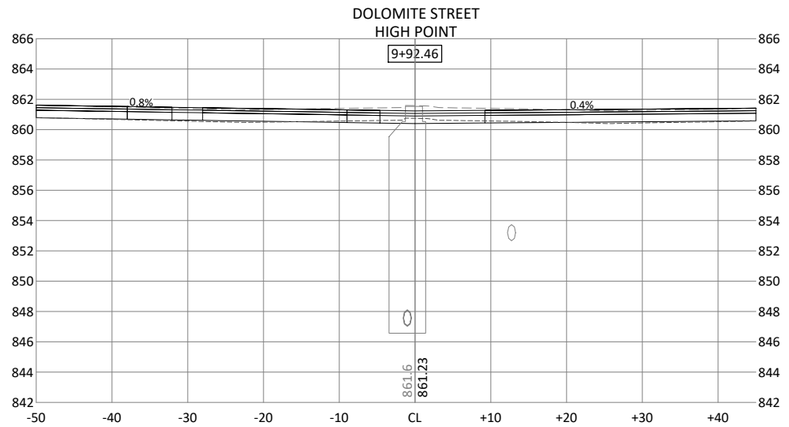
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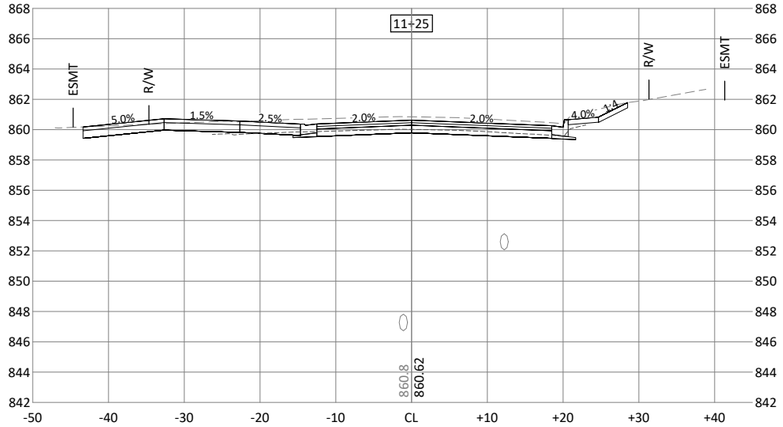
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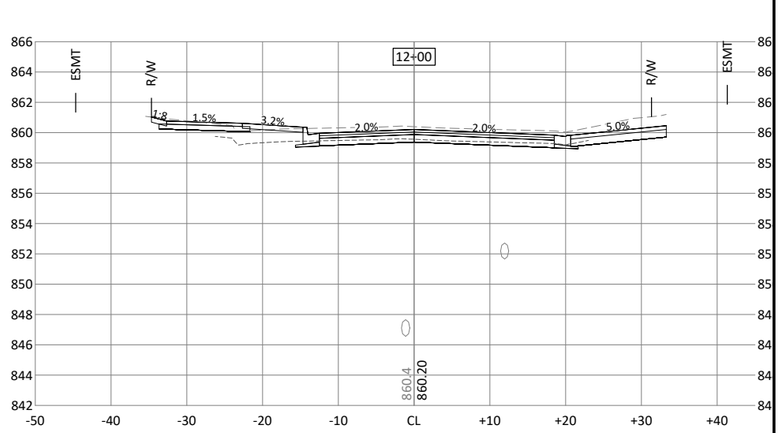
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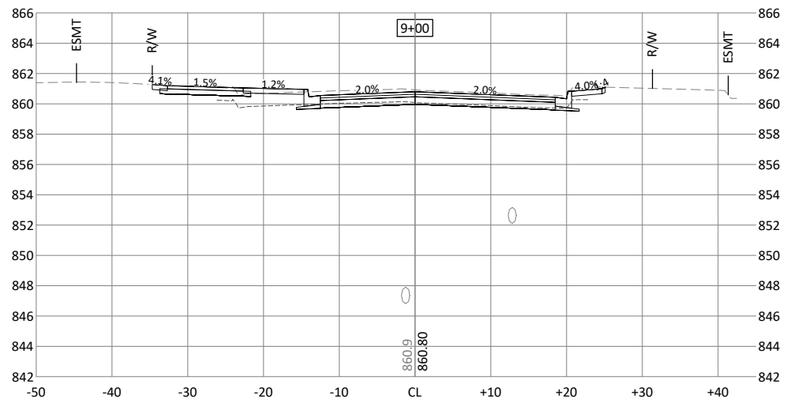
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
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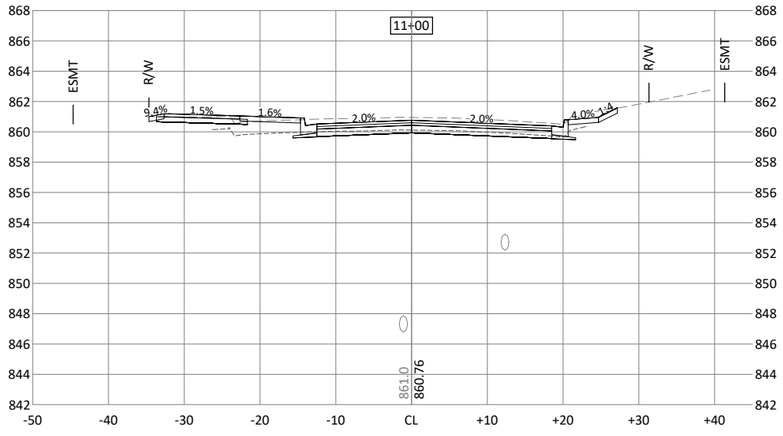
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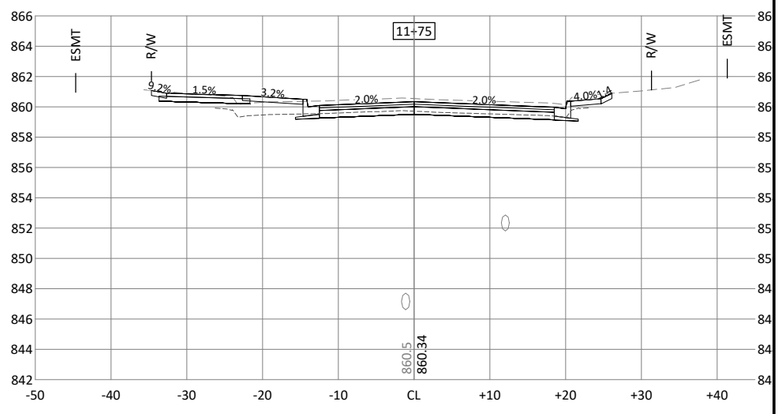


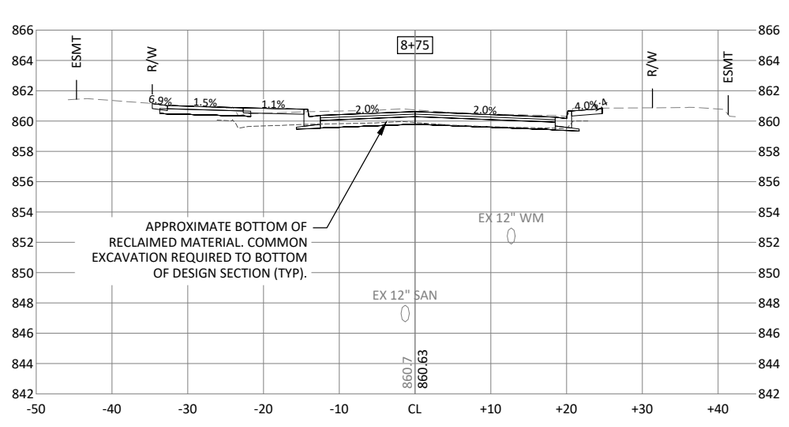


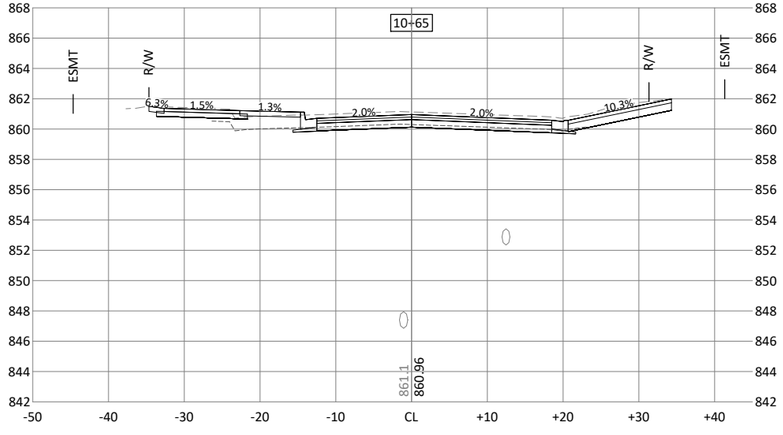


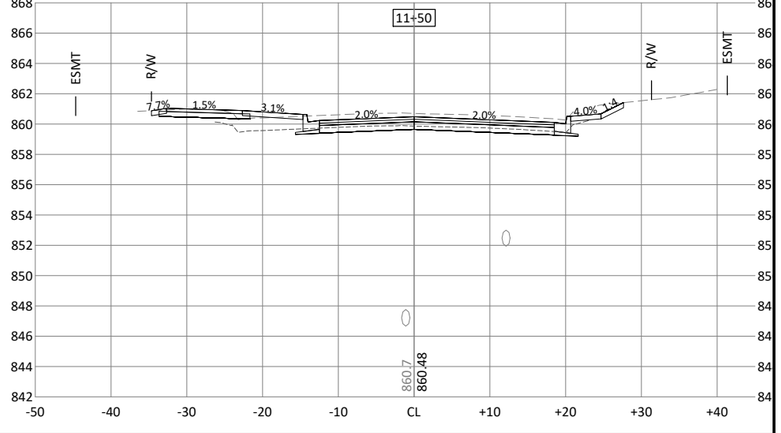












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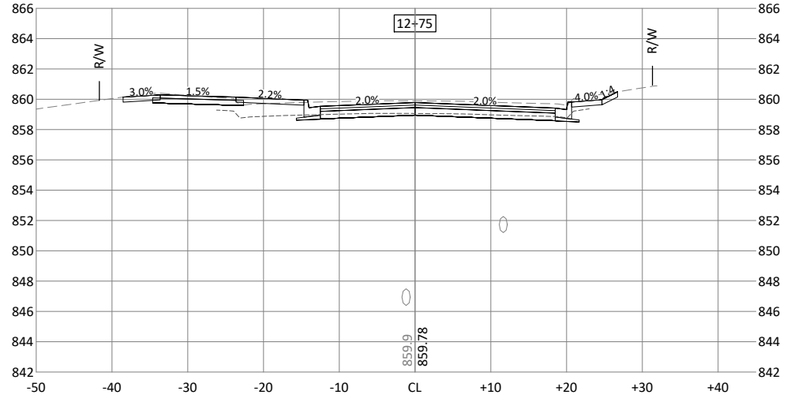
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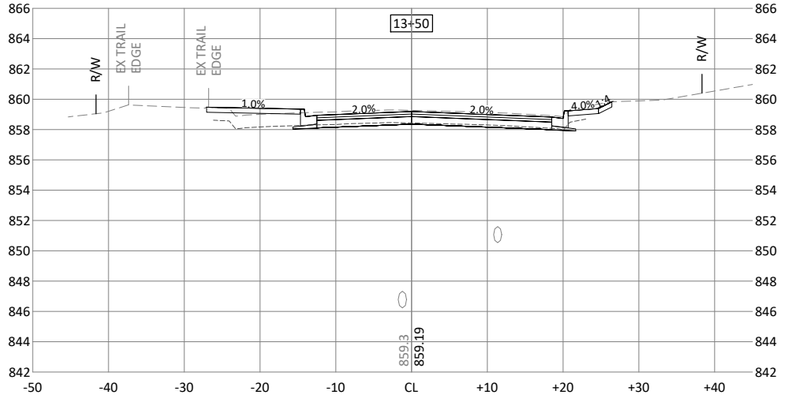
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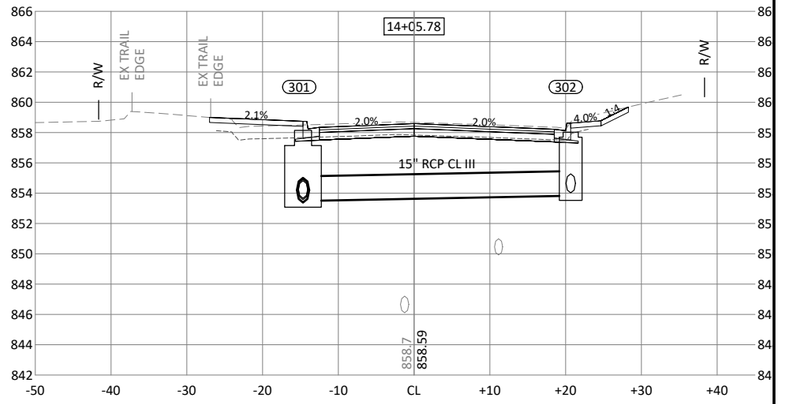
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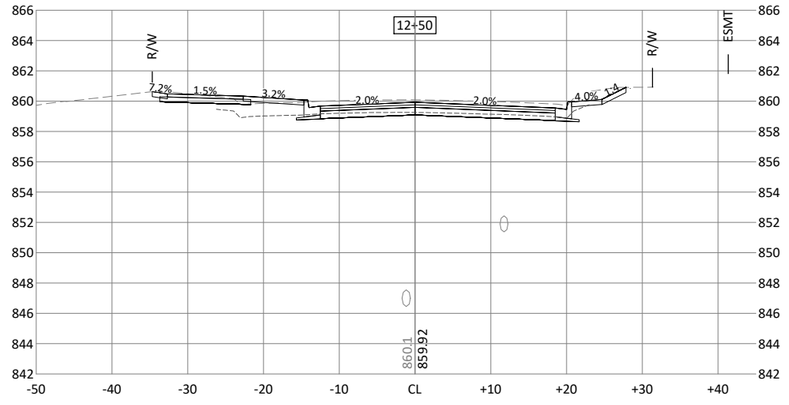
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RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
CROSS SECTIONS

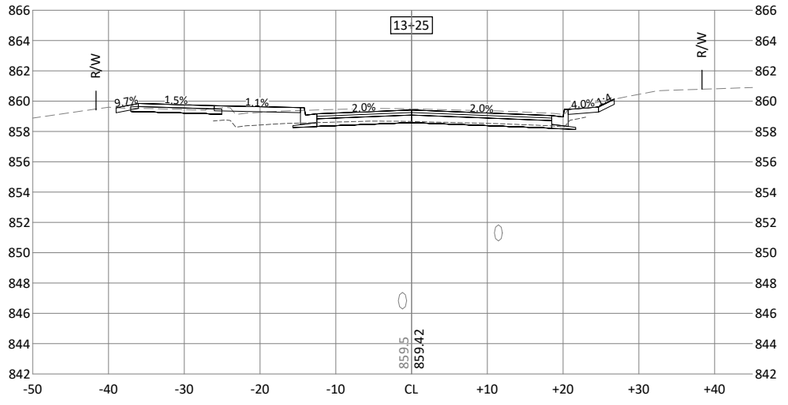
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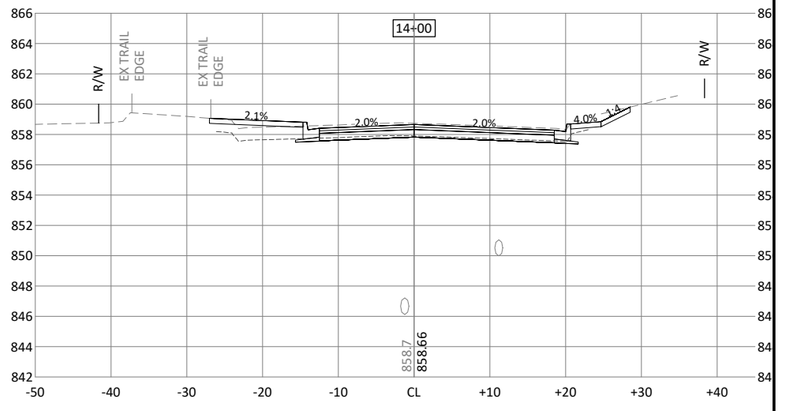


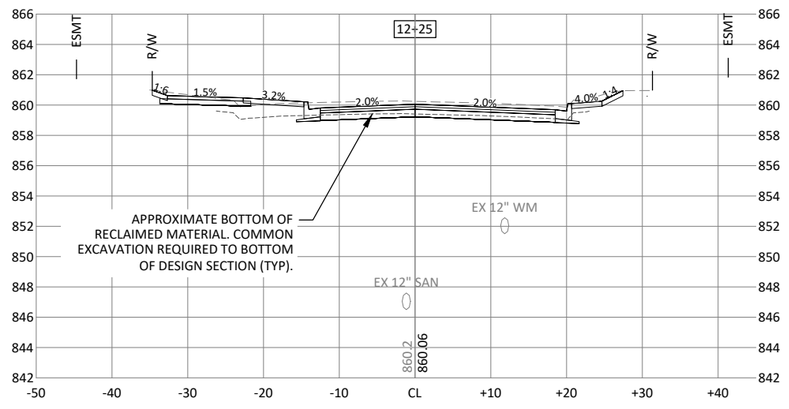


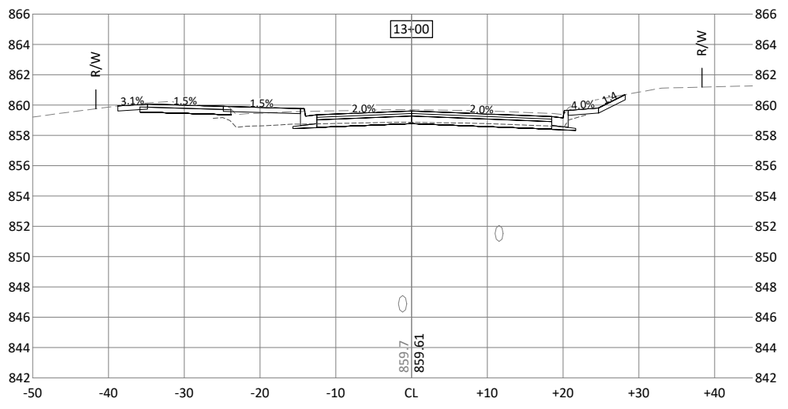


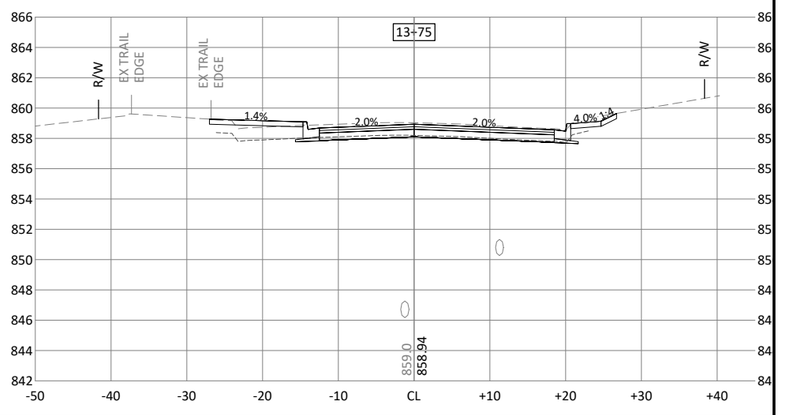












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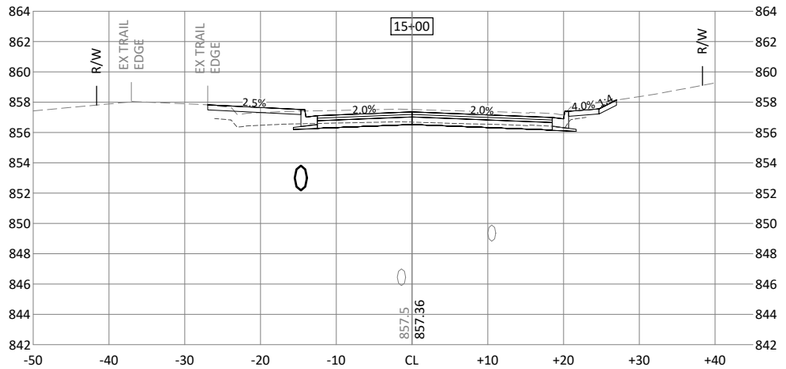
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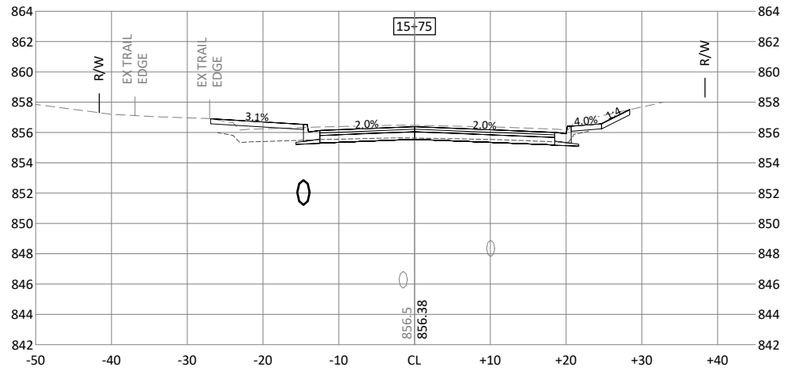
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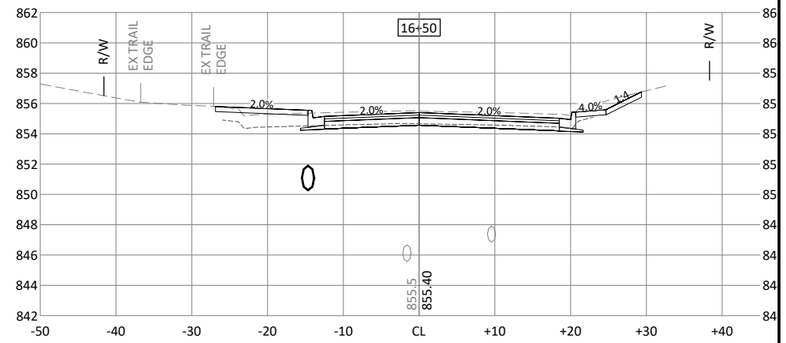
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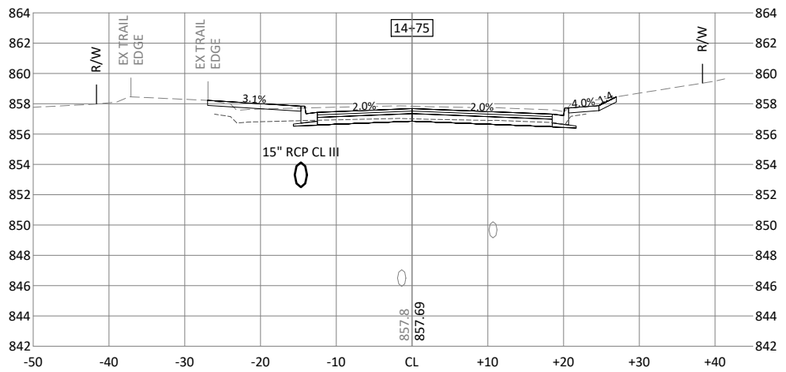
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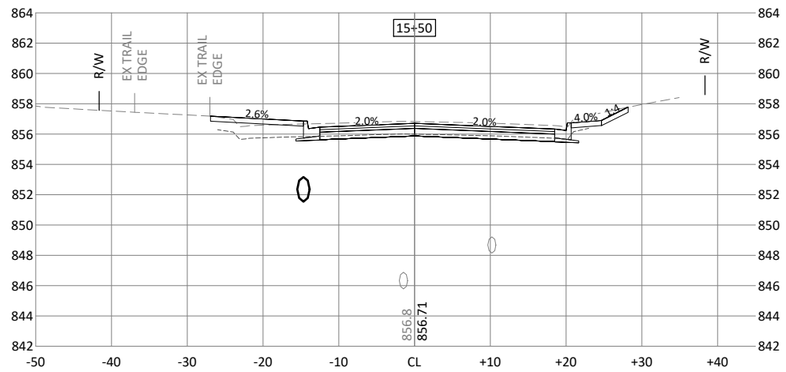
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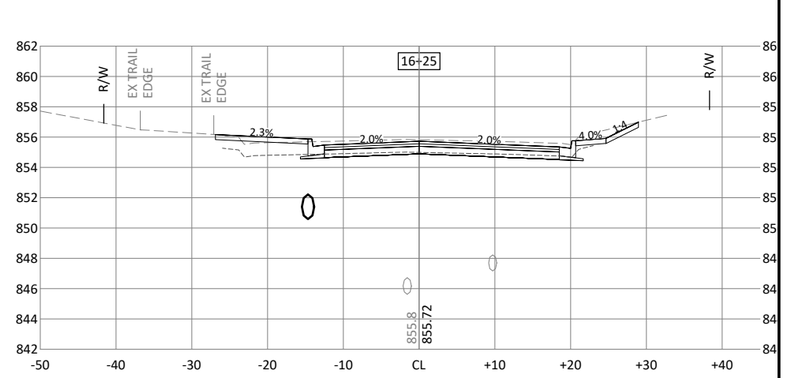


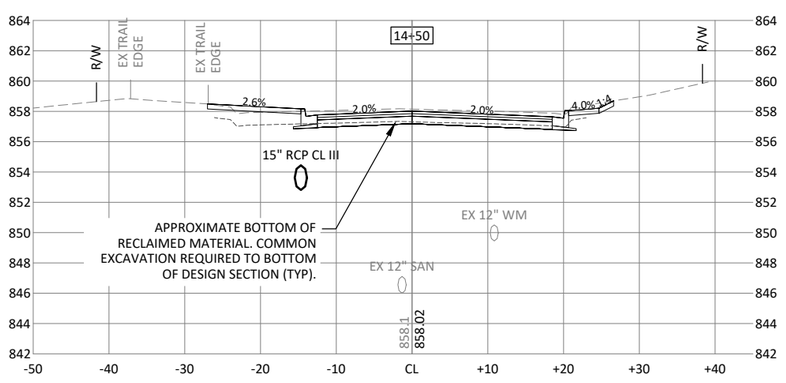


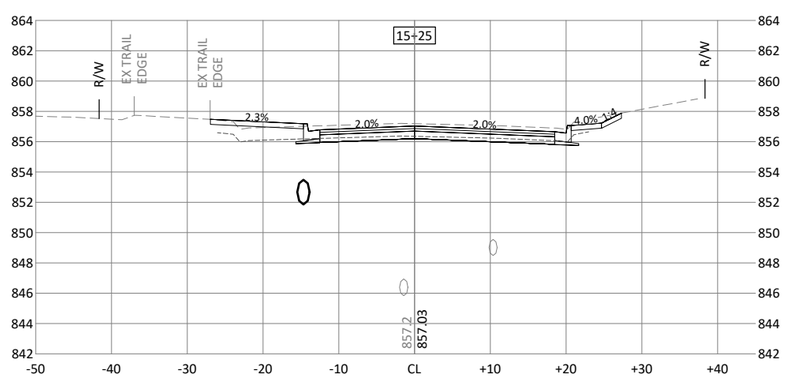


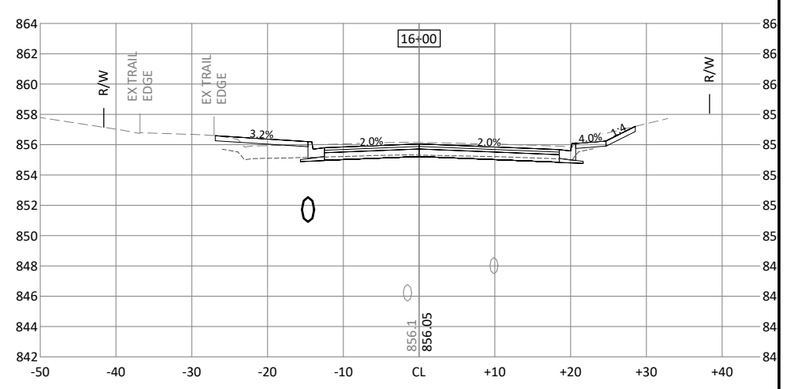












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Kevin P. Kielb

KEVIN P. KIELB

LIC. NO. 23211 DATE 1/25/2021

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RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
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City of RAMSEY

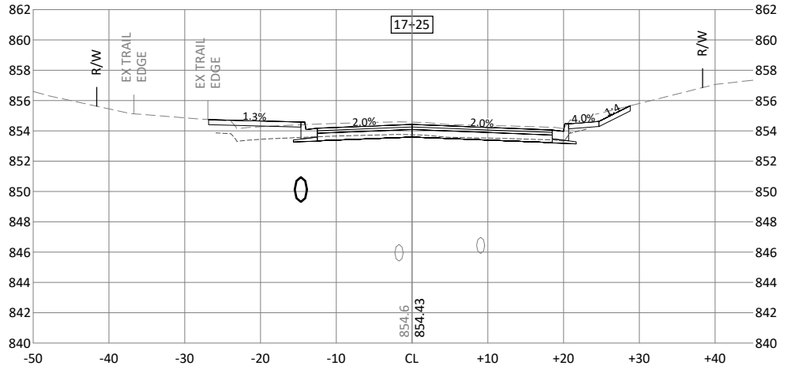
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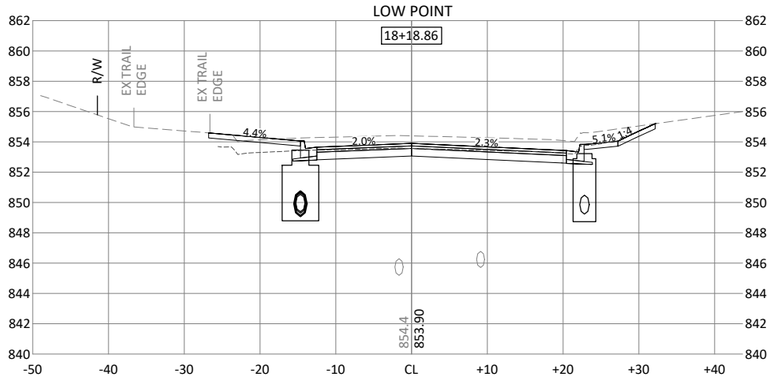
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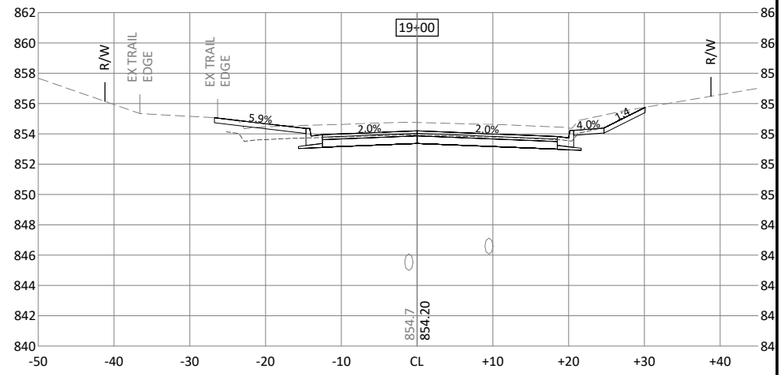
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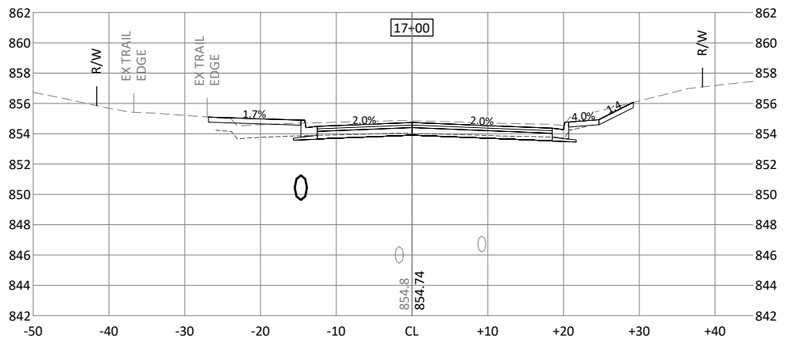
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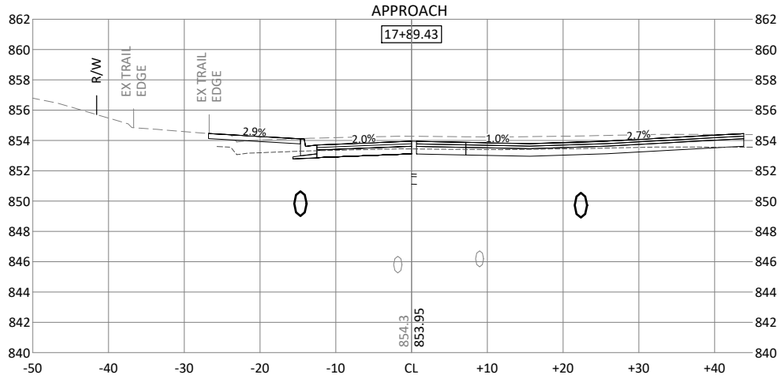
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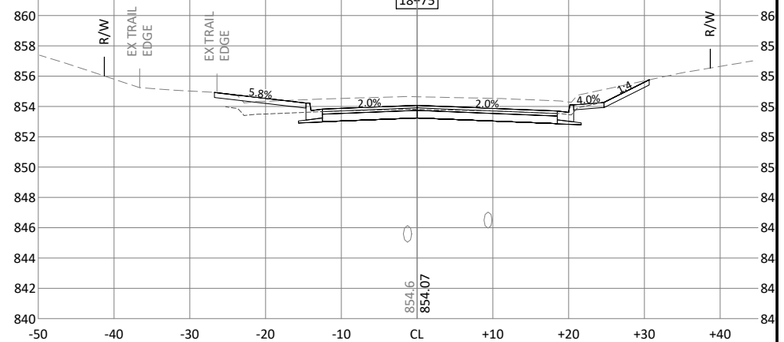


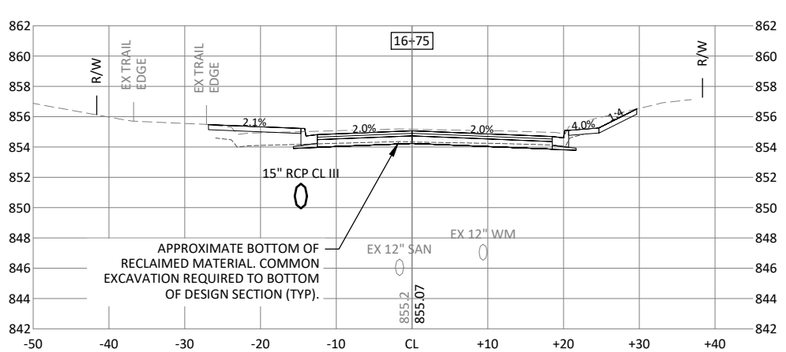


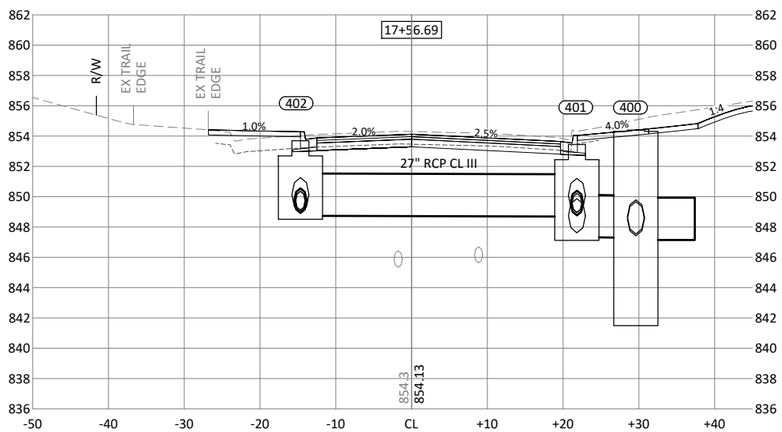


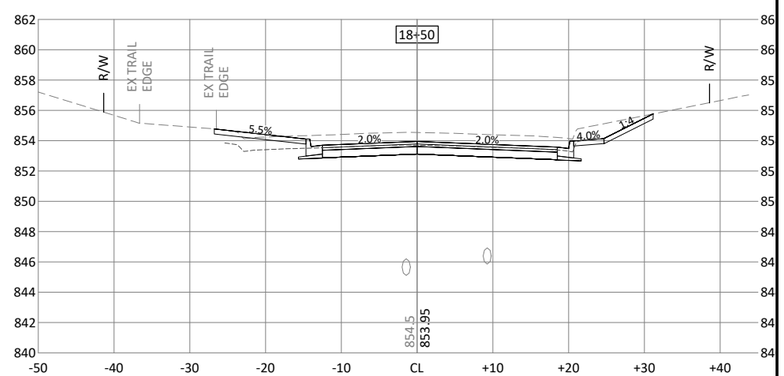












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City of RAMSEY

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CHECKED	KPK
CLIENT PROJ. NO.	21-00

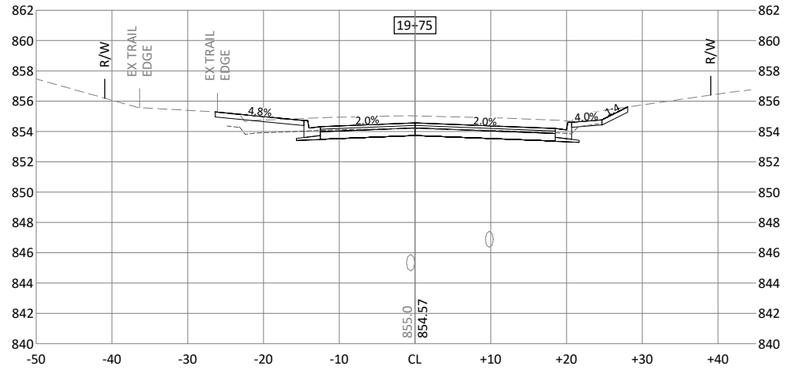
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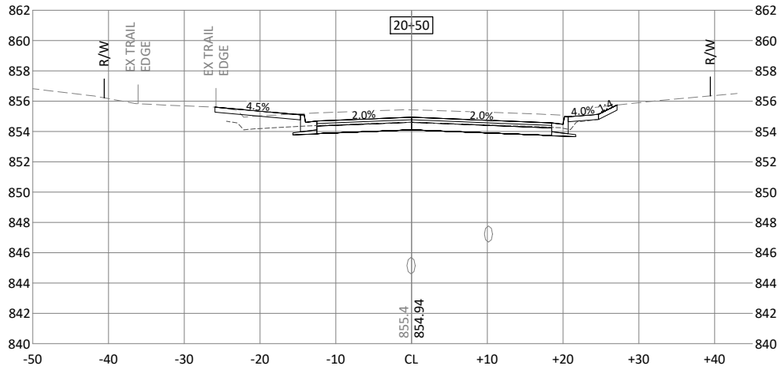
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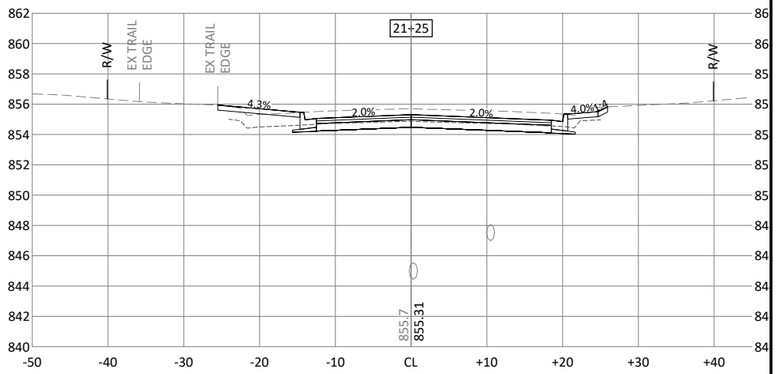
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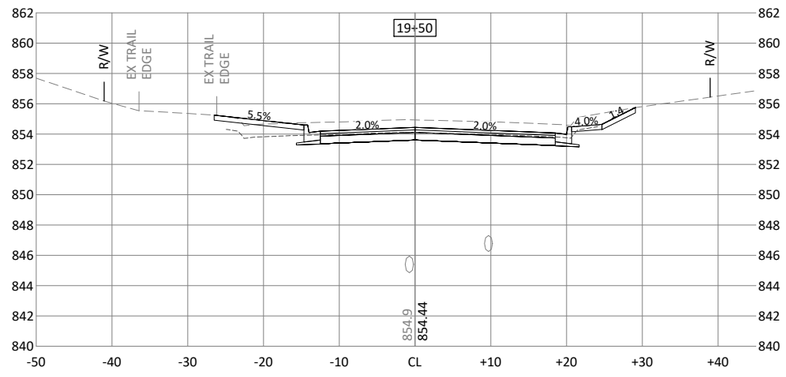
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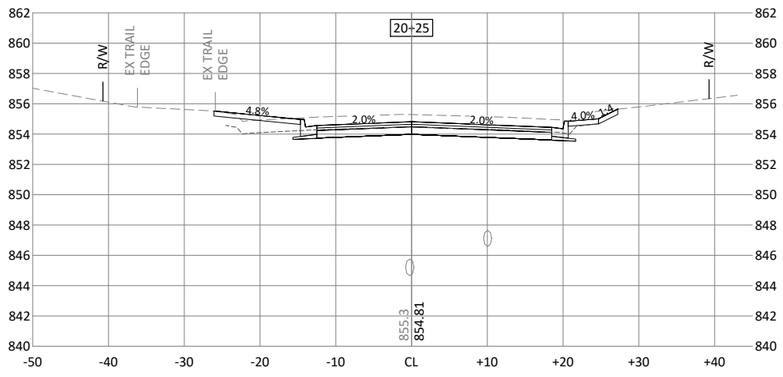
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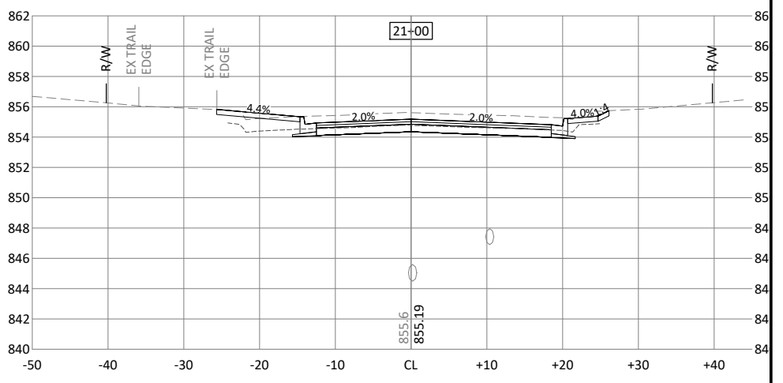


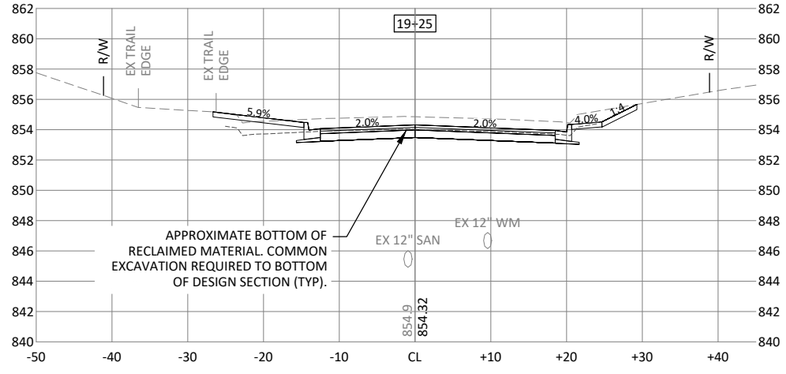


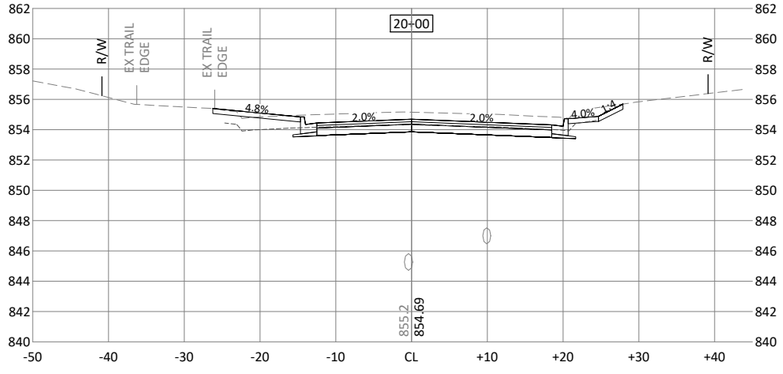


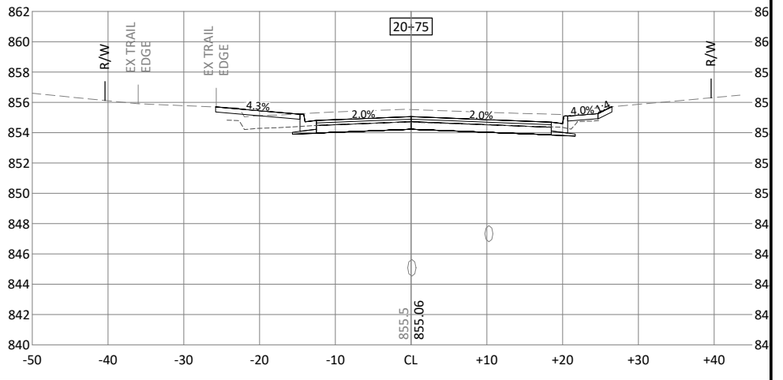












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City of RAMSEY

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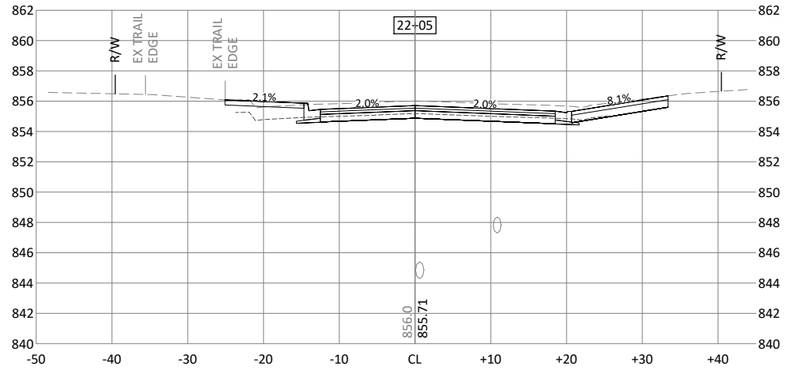
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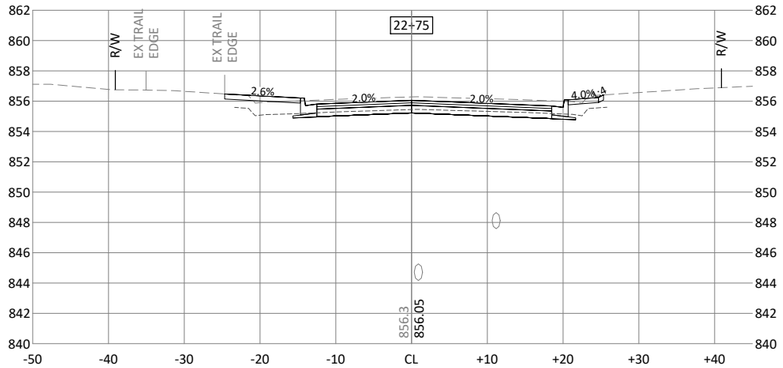
CITY OF RAMSEY, MINNESOTA

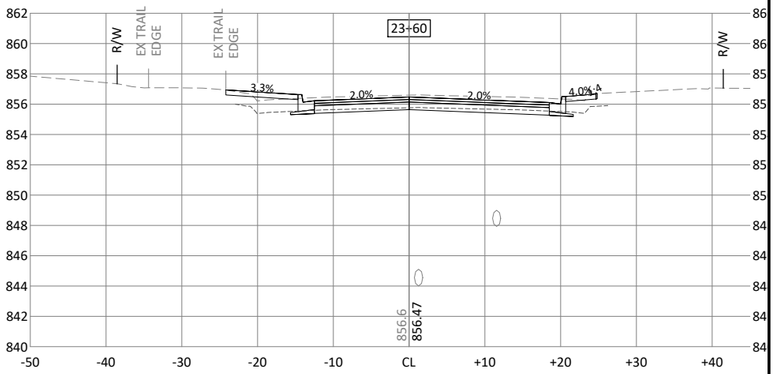
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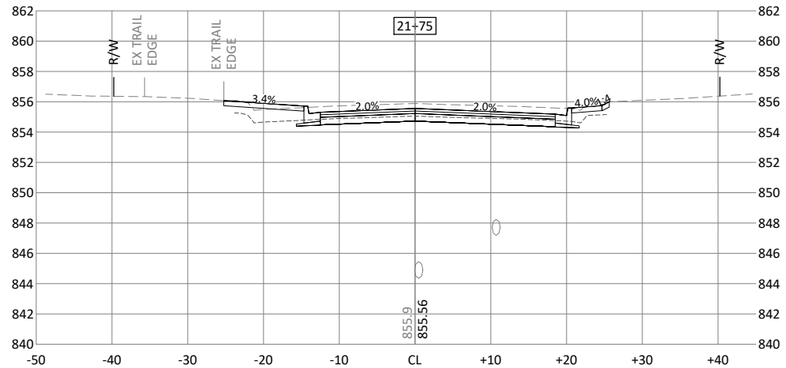
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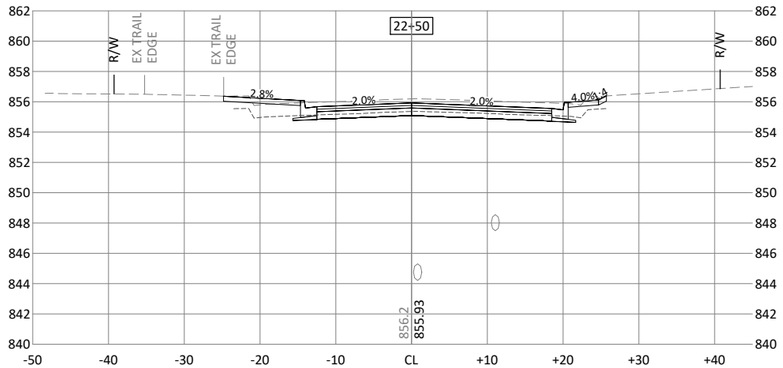
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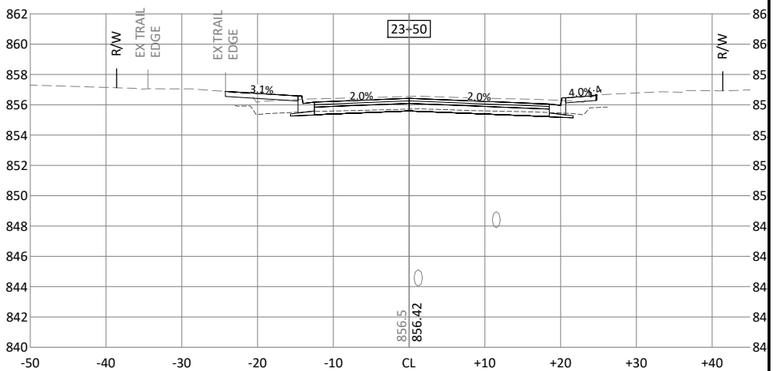


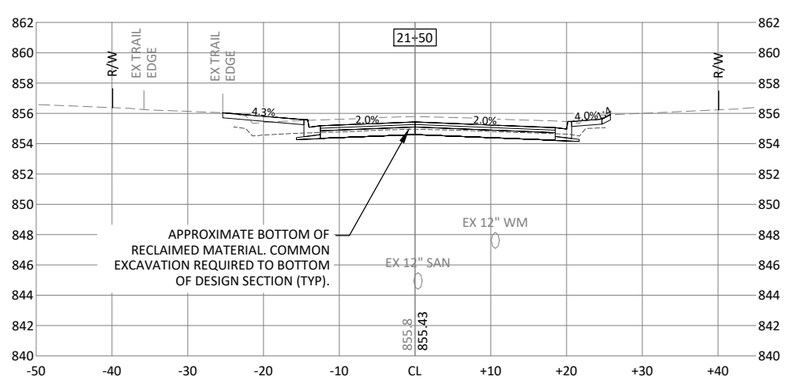


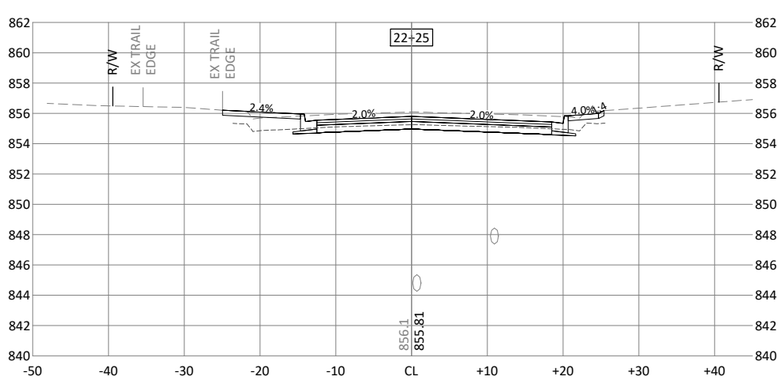


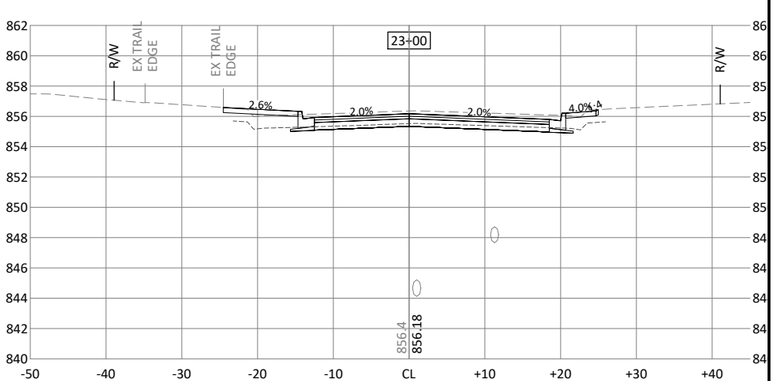












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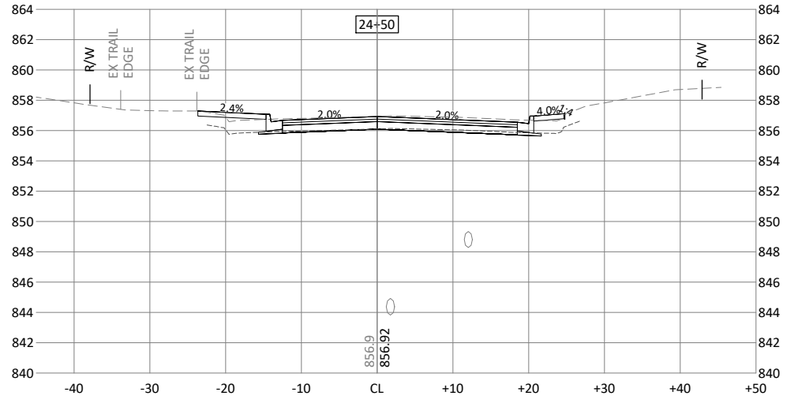
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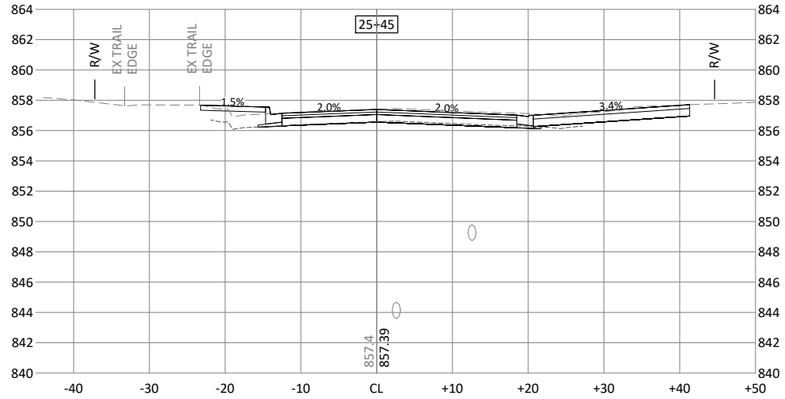
CITY OF RAMSEY, MINNESOTA

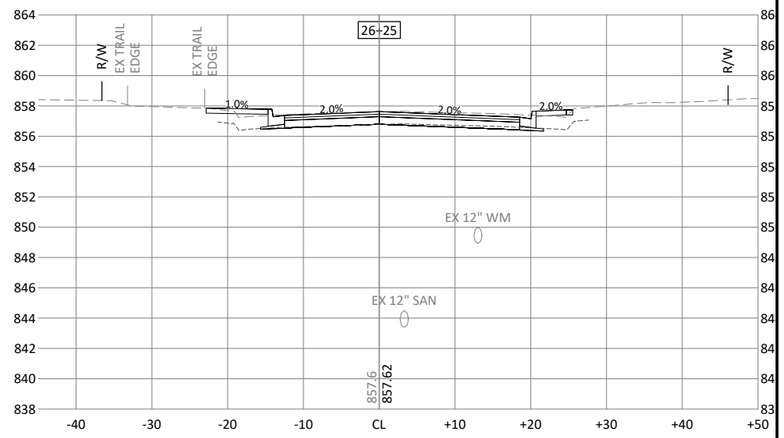
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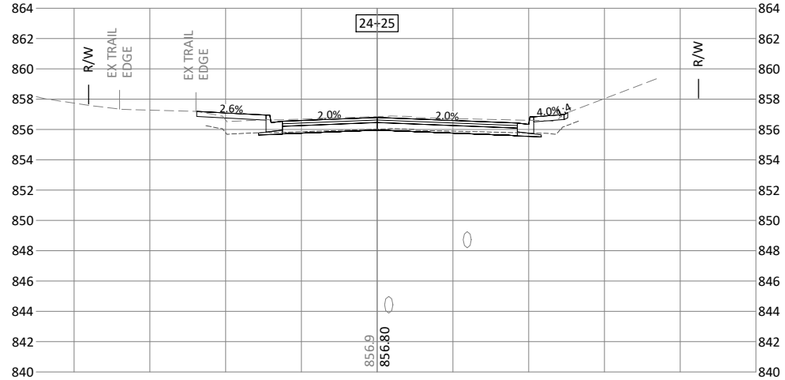
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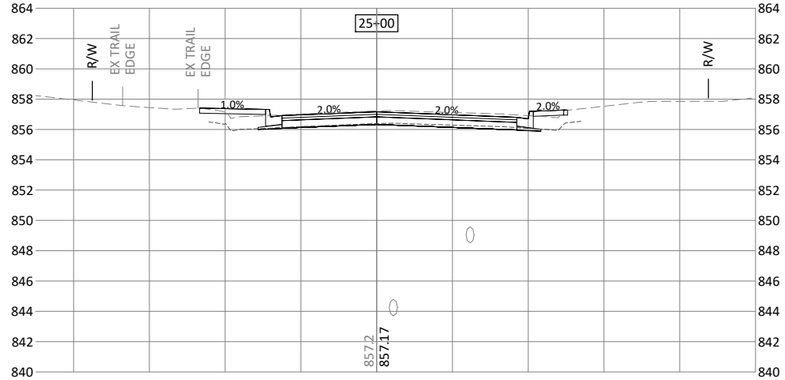
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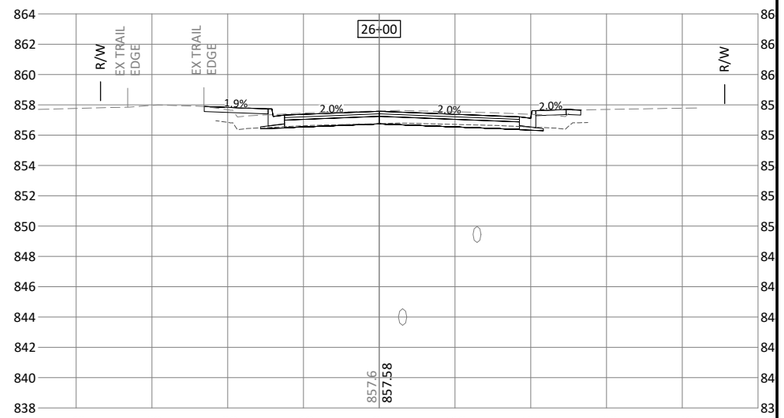


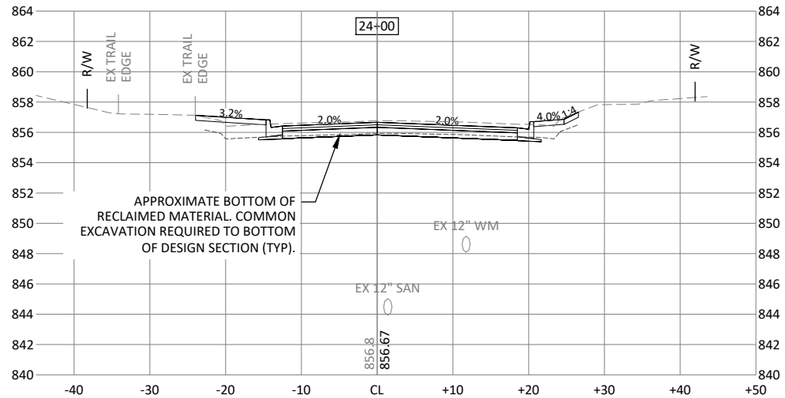


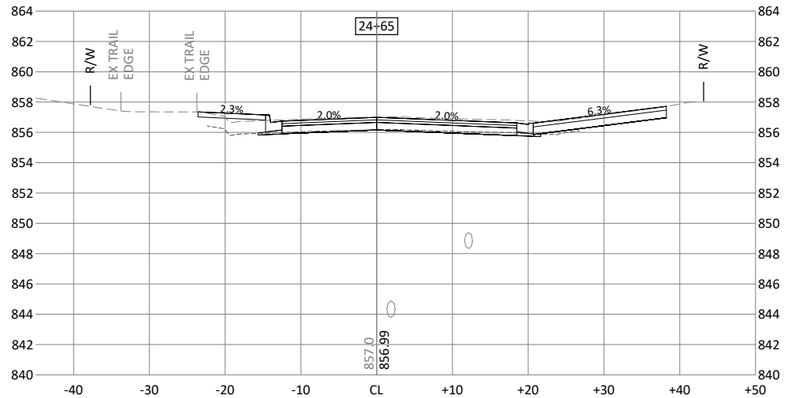


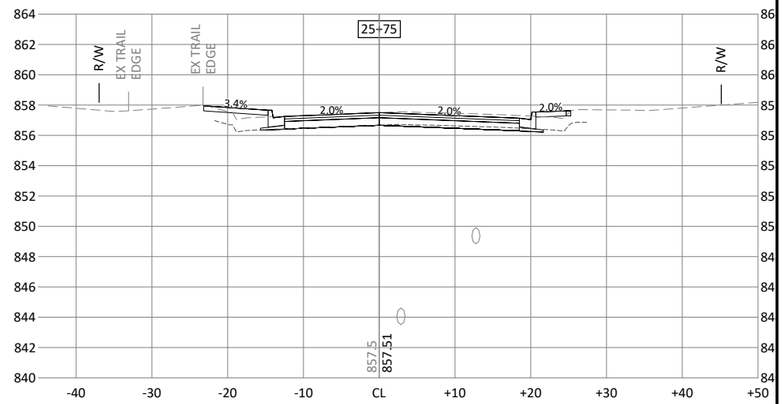












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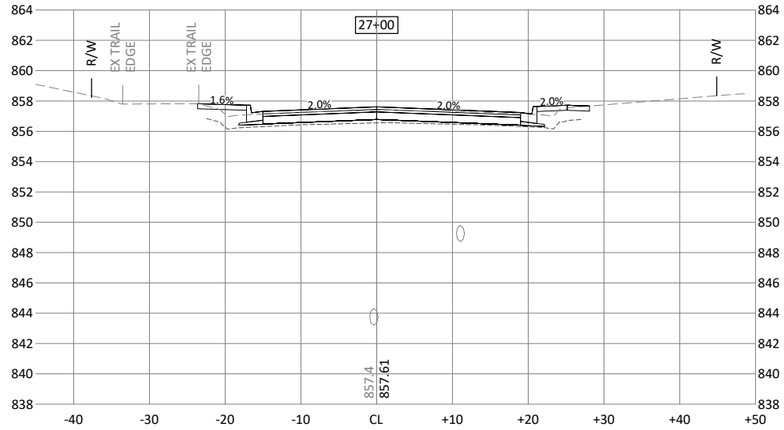
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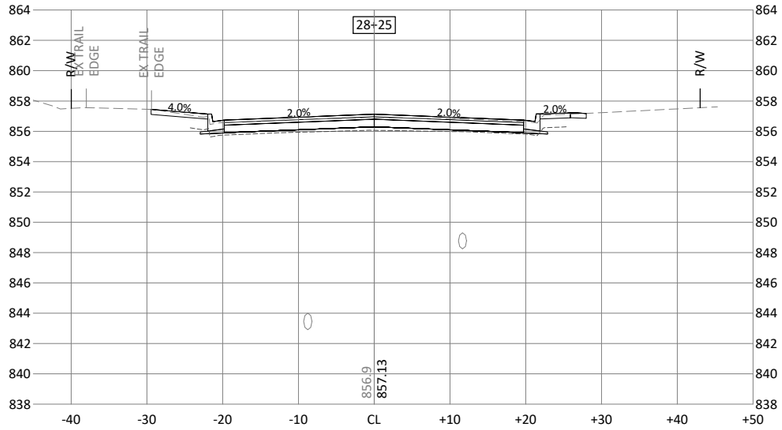
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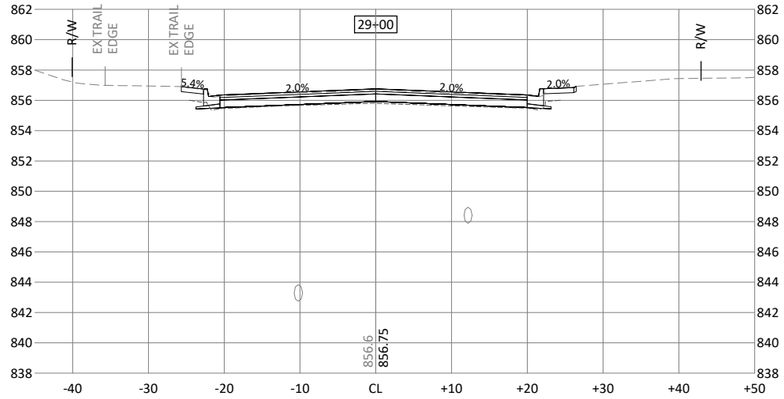
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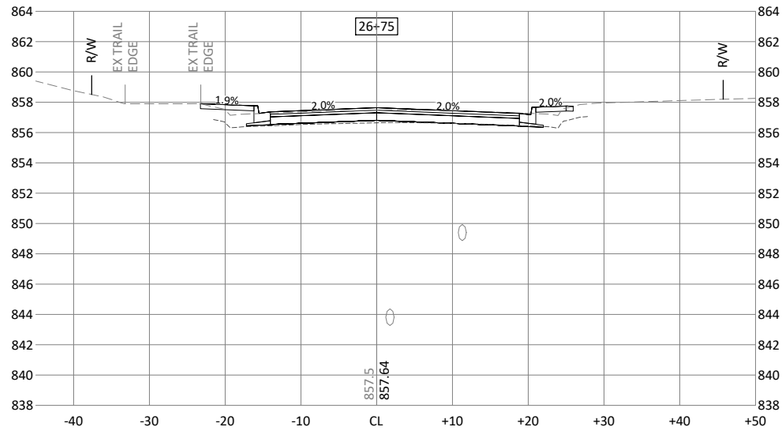
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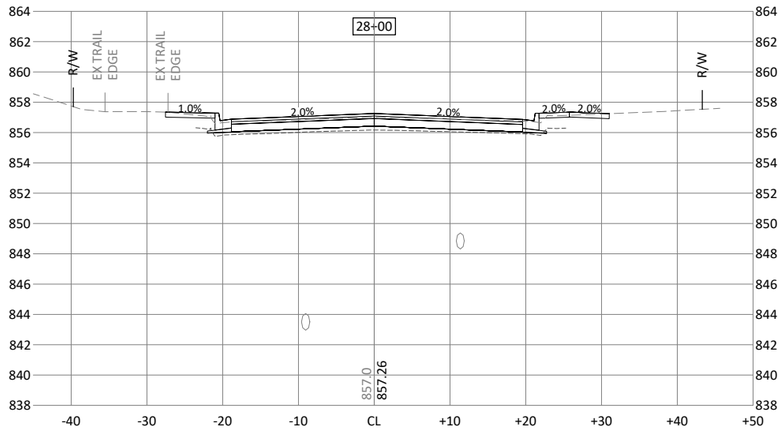
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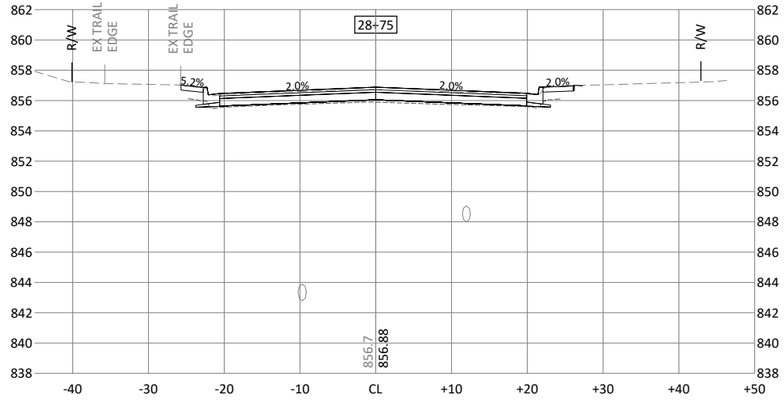


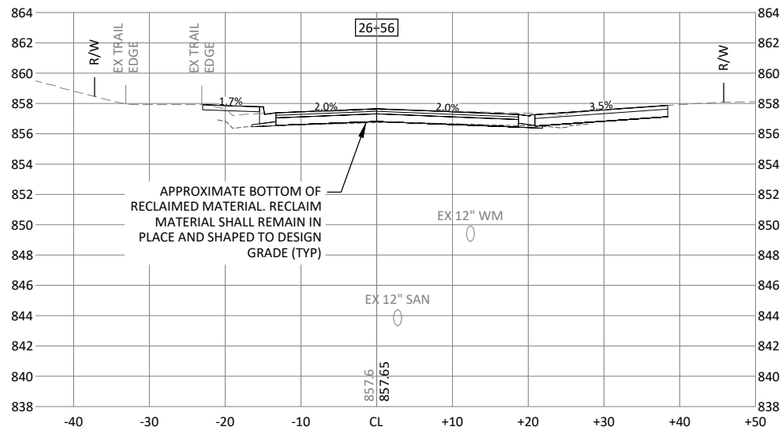


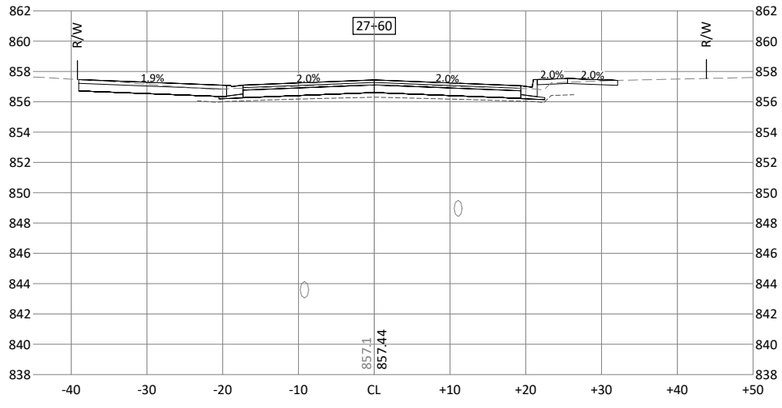


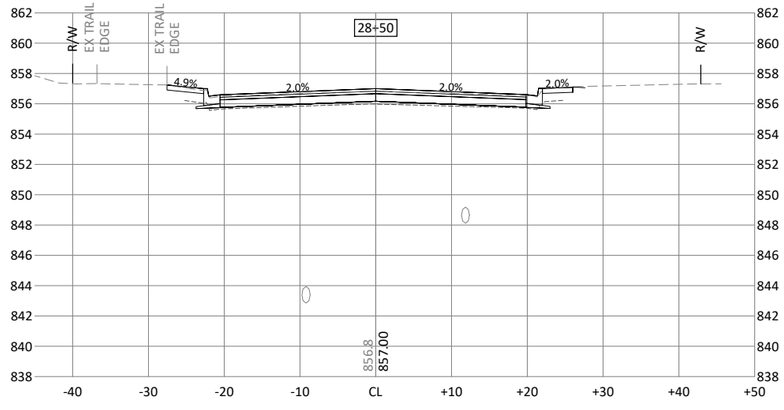












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HORZ. 0 10 20 SCALE FEET

VERT. 0 5 10 SCALE FEET

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.

KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

BOLTON & MENK
7533 SUNWOOD DR NW, SUITE 206
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

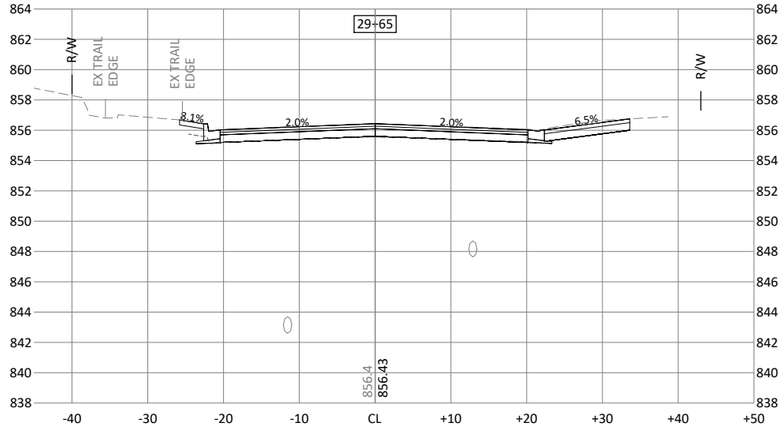
City of RAMSEY

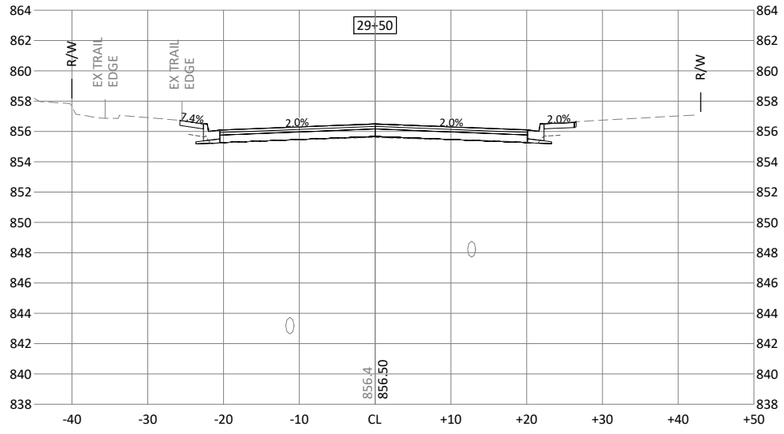
DESIGNED	ZFL
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CHECKED	KPK
CLIENT PROJ. NO.	21-00

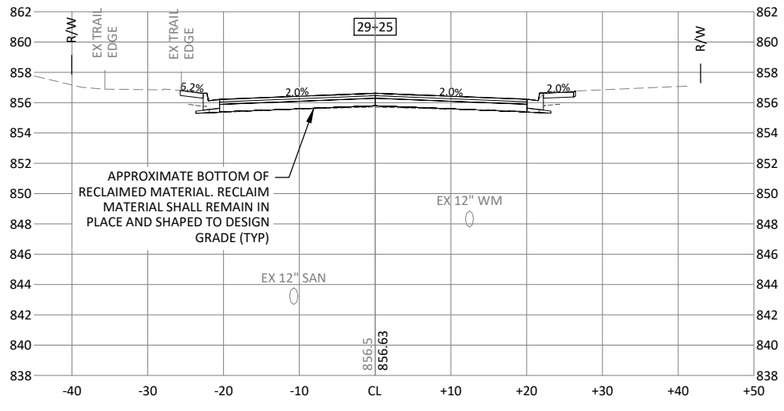
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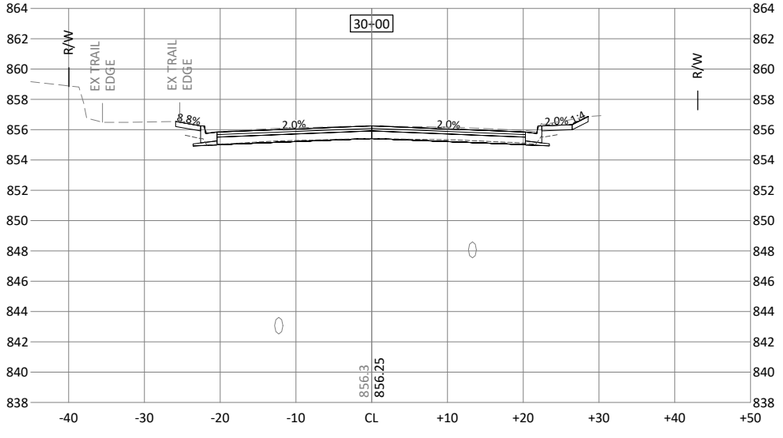
CITY OF RAMSEY, MINNESOTA
RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004
CROSS SECTIONS

SHEET 47 OF 48









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HORZ. 0 10 20 SCALE FEET

VERT. 0 5 10 SCALE FEET

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.

KEVIN P. KIELB
LIC. NO. 23211 DATE 1/25/2021

BOLTON & MENK
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RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

City of RAMSEY

DESIGNED	ZFL
DRAWN	ZFL
CHECKED	KPK
CLIENT PROJ. NO.	21-00

NO.	ISSUED FOR	DATE

CITY OF RAMSEY, MINNESOTA

RIVERDALE DRIVE IMPROVEMENTS, S.A.P. 199-108-004

CROSS SECTIONS

SHEET 48 OF 48

BOLTON & MENK
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Suite 206
Ramsey, MN 55303-5119

Ph: (763) 433-2851
Fax: (763) 427-0833
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M E M O R A N D U M

Date: **March 2, 2021**
To: **Bruce Westby, P.E., City Engineer**
From: **Kevin Kielb, P.E., Project Manager**
Subject: **Bid Results and Recommendation**
Riverdale Drive Improvement Project
City Project No: 21-00

Eleven bids were received for the Riverdale Drive Improvement project (City Project #21-00). The bids were publicly read aloud at 10:00 A.M. on March 2, 2021. The bids were then reviewed, tabulated and the results are summarized below:

CONTRACTOR	TOTAL BID
Kuechle Underground, Inc.	$771,913.13
North Valley, Inc.	$791,060.27
Douglas-Kerr Underground, L.L.C.	$845,987.17
Forest Lake Contracting, Inc.	$847,213.68
Omann Brothers Paving, Inc.	$878,025.24
Valley Paving, Inc.	$887,910.50
Asphalt Surface Technologies Corp.	$913,349.27
Northdale Construction Company, Inc.	$926,199.75
Park Construction Company	$935,789.85
GMH Asphalt Corporation	$945,037.71
C.S. McCrossan Construction, Inc.	$1,049,298.65

If the City of Ramsey decides to award the project to the low bidder, we recommend awarding the contract to Kuechle Underground, Inc. in the amount of $771,913.13.

If you have any questions, please contact me at (651) 968-7760.

Bolton & Menk is an equal opportunity employer.

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November 18, 2020

Mr. Bruce Westby, P.E.
City Engineer
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: Proposal for Engineering Services – 2021 Riverdale Drive Improvement Project – Feldspar Street to Tungsten Street

Dear Mr. Westby:

We appreciate the opportunity to present this scope of services for the Riverdale Drive Improvement project. Our scope and fees were prepared based on our understanding of the project and our previous experience in delivering State Aid projects.

The following proposal is based on your November 17, 2020 email request, including the layouts attached to the email.

SCOPE

The proposed improvements will be generally as described below:

- Riverdale Drive reconstruction from Feldspar Street to 750 feet west of Sunfish Lake Boulevard,
- Mill & overlay of Riverdale Drive from 750 feet west of Sunfish Lake Boulevard to Tungsten Street,
- Construction of a 10 ft wide bituminous trail from Feldspar Street to 300 feet east of Dolomite Street,
- Construction of a 6 ft sidewalk from Feldspar Street to Dolomite Street,
- Adjustments of fire hydrants, as needed,
- Exposing of water services to verify they are properly restrained, and
- Storm sewer facilities at various locations along Riverdale Drive.

Attached are the figures received from the City of Ramsey depicting the proposed improvements.

Project scope assumptions used in creating this fee proposal include the following:

- **A topographic survey** of the corridor was completed by the City of Ramsey. We have assumed the City will forward information related to the survey control points to us for reference. We have estimated an additional augmentation survey will be required during design.
- **Geotechnical** borings will be required for the project. A total of 4 borings, along with 3 bituminous corings, will be completed along the corridor. We are proposing to use AET for the geotechnical evaluation.
- No **Right-of-Way** or easements will be required for the project.

- **State Aid formatted plans and specifications**, including plan review checklist and spread calculations, are required. The signature block will follow the State Aid format.
- The anticipated **plan set** will include the following 45 sheets:
    - Title (1 sheet),
    - Legend (1 sheet),
    - Estimated Quantities/Standard Plates (1 sheet),
    - Tabulations (2 sheets),
    - Alignment Plan and Tabulation (1 sheet),
    - Typical Sections (1 sheet),
    - Construction Details (3 sheets),
    - MnDOT Standard Plan Sheets (6 sheets),
    - Intersection and Pedestrian Ramp Details (2 sheets),
    - Storm Water Pollution Prevention Plan (3 sheets),
    - Erosion and Sediment Control (2 sheets),
    - Existing Conditions & Removals (4 sheets),
    - Riverdale Drive Plan and Profile – Street and Storm Sewer (4 sheets),
    - Riverdale Drive Mill & Overlay (2 sheets),
    - Traffic Control and Staging Plan (3 sheets),
    - Storm Sewer Leads (1 sheet),
    - Signage & Striping (2 sheet), and
    - Cross-Sections (6 sheets).

    The above sheet listing assumes traffic control will be designed per the Field Manual for Temporary Traffic Control Zone Layouts, and no project specific traffic control layouts will be created. The Traffic Control and Staging plans listed above will provide guidance to allow the contractor to prepare details plans for submittal and review.
- The City will forward existing plans and record drawings for the corridor for use in creation of the base drawings.
- The City will provide the most current City standard plans, specifications and details.
- On-line bidding through QuestCDN will be used for procurement of bids, with the on-line bid opening facilitated at Bolton & Menk's Ramsey office location.
- Storm sewer will be designed to meet State Aid standards for allowable spread for the narrowed roadway.
- Storm sewer will be extended to the vacant lot in the NW quadrant of Dolomite Street and Riverdale Drive.
- The City will complete a Feasibility Report and provide the documents to us.
- No storm water ponding will be required. One water quality structure will be added at the existing storm sewer connection.
- Construction related services such as staking, administration and observation are not included in this proposal. A separate proposal can be submitted once the extent and timing of the improvements is finalized.

ESTIMATED CONSTRUCTION COSTS OF IMPROVEMENTS

Estimated construction costs are based on pricing observed in 2020, with adjustments to account for construction in the year 2021. The estimated costs also include 10 percent contingencies to account for unforeseen costs. Our scope of services is based on a project with a construction cost of approximately $1,200,000.

We will create a detailed engineer's estimate during the design phase of the project.

SCHEDULE

Plan preparation is anticipated to begin in December of 2020, with anticipation of a bid opening in late February of 2021, and City Council Award in early March of 2021.

PERMITTING AND APPROVALS

The work associated with the roadway improvements will require the following permits:

- MnDOT State Aid Approval,
- Lower Rum River Watershed Management Organization (Stormwater and Erosion Control), and
- MPCA (NPDES – Construction Stormwater General Permit).

FEES

We have attached a fee spreadsheet depicting hours, rates, and total compensation on a per task basis. We are proposing to use AET for geotechnical services. Based on our understanding of the improvements, our proposed fees for the work, including geotechnical services, are $70,445.00.

If there are any questions related to the scope and/or fee portion of this proposal, please call me at (651) 968-7760.

Sincerely,

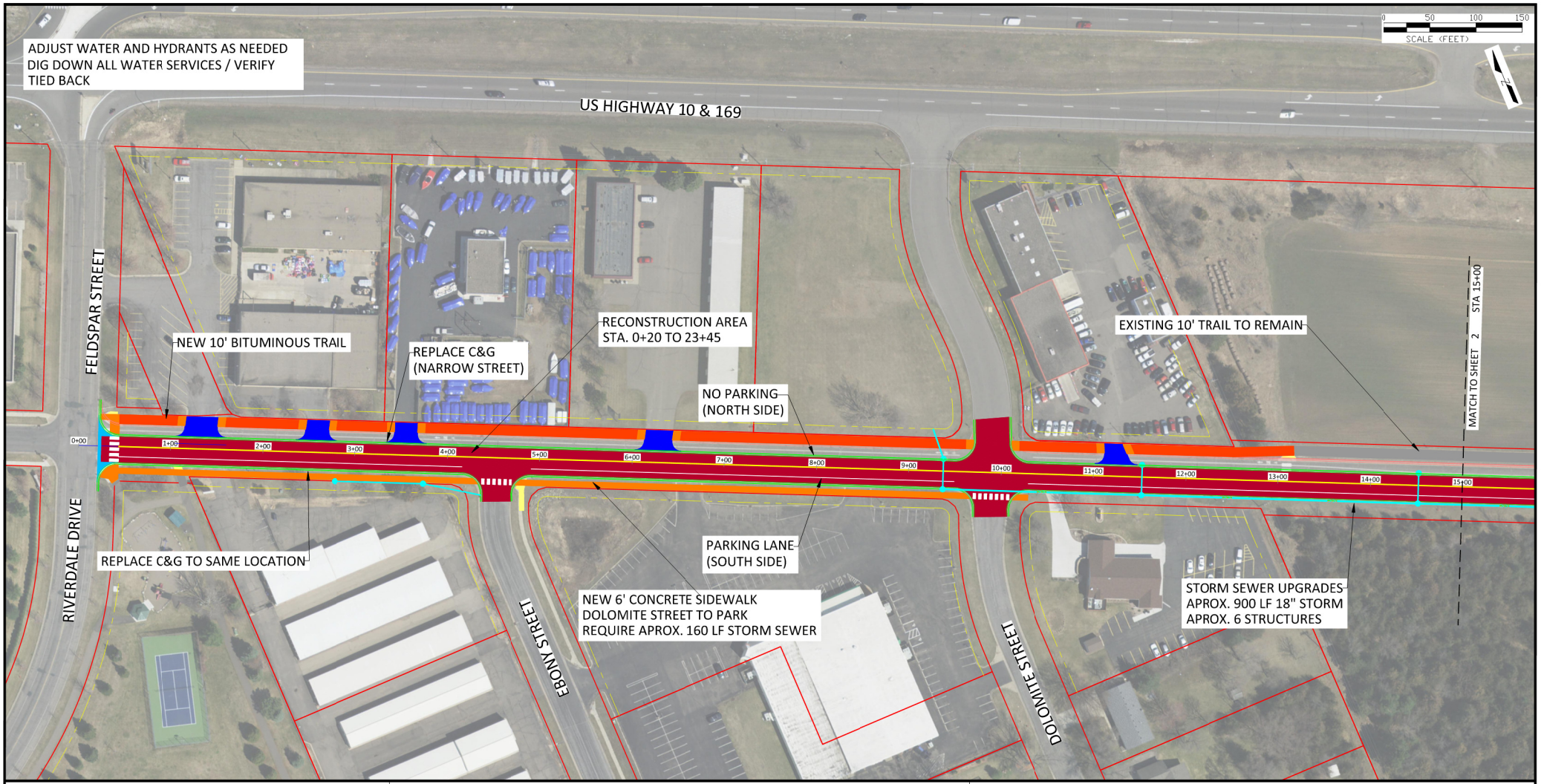
Bolton & Menk, Inc.

Kevin P Kielb

Kevin P. Kielb, P.E.
Principal Engineer

ATTACHMENTS:

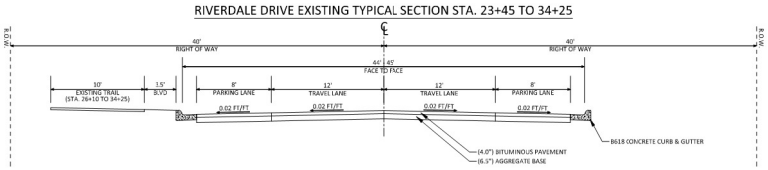
- Improvements Exhibits
- Detailed Fee Spreadsheet



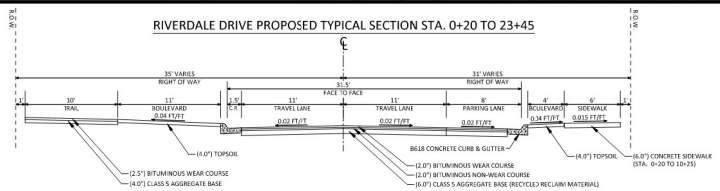
LEGEND

- PR. RECONSTRUCTION
- PR. OVERLAY
- PR. 10' BITUMINOUS TRAIL
- PR. 6' CONCRETE WALK
- PR. CONCRETE VALLEY GUTTER
- PR. DRIVEWAY
- PR. STORM SEWER
- PR. CONCRETE CURB AND GUTTER
- EX. BITUMINOUS TRAIL
- EX. CONCRETE WALK
- EX. CONCRETE CURB AND GUTTER

RIVERDALE DRIVE EXISTING TYPICAL SECTION STA. 23+45 TO 34+25



RIVERDALE DRIVE PROPOSED TYPICAL SECTION STA. 0+20 TO 23+45



DATE	REVISION

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

Engineer Name
Date: xx /xx/xx Lic. No. Eng. No.

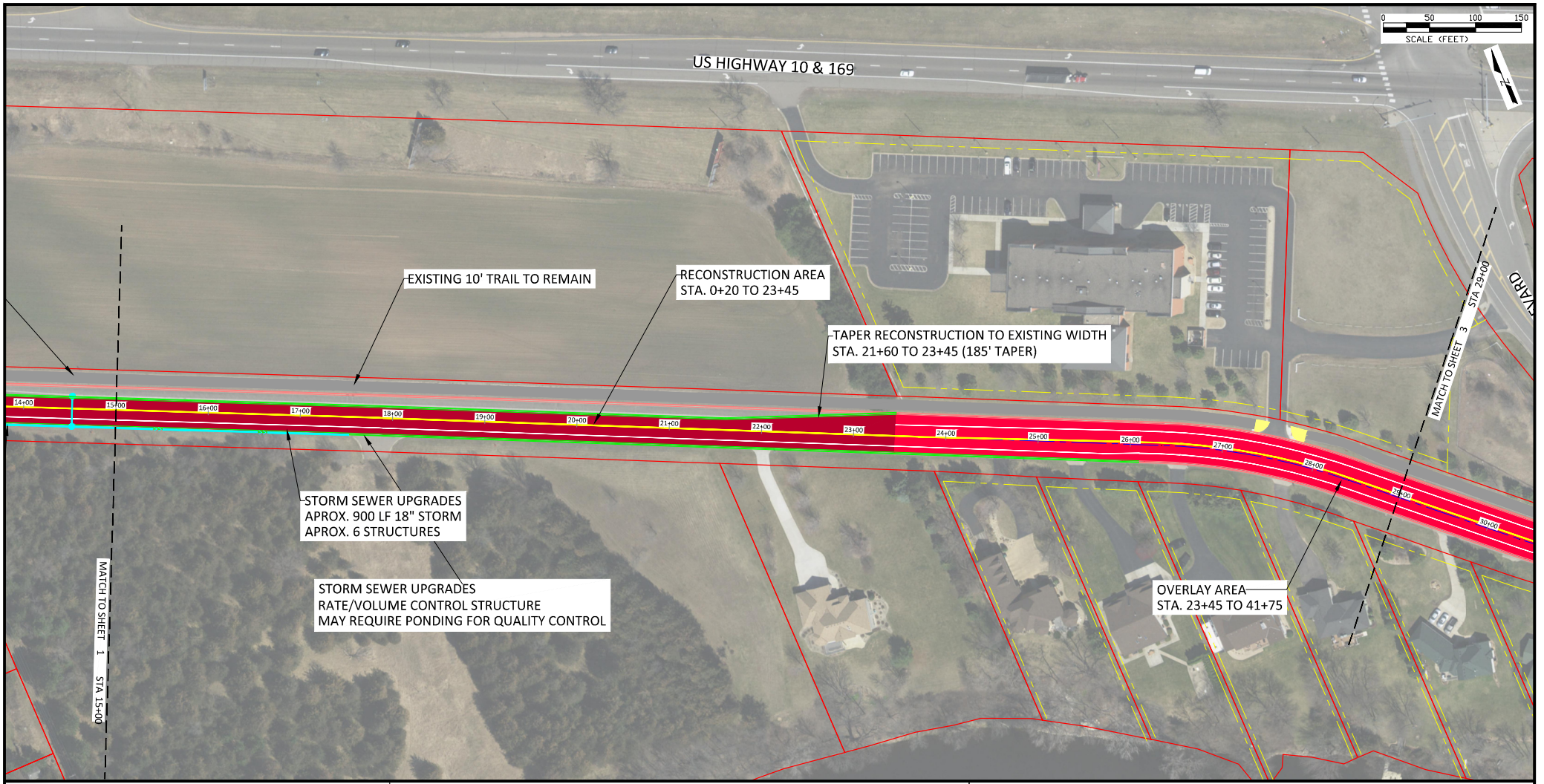
DESIGNED BY:	---	DATE:	xx/xx/xx
DRAWN BY:	---		
CHECKED BY:	---	FILE:	(file no.)

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

PRE-DESIGN LAYOUT
STA. 0+00 TO 15+00

RIVERDALE DRIVE (FELDSPAR TO TUNGSTEN)
CITY PROJECT NO. (File No.)
CITY OF RAMSEY, MINNESOTA

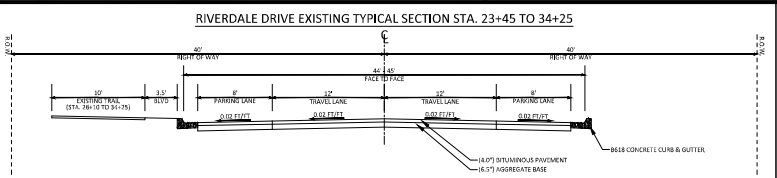
SHEET 1 OF 3 SHEETS



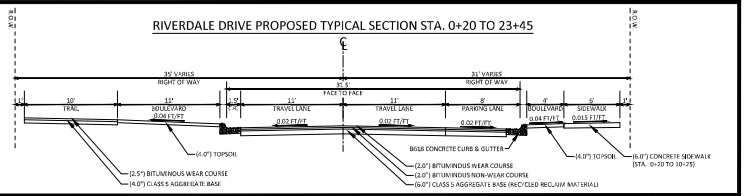
LEGEND

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- PR. STORM SEWER
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- EX. CONCRETE WALK
- EX. CONCRETE CURB AND GUTTER

RIVERDALE DRIVE EXISTING TYPICAL SECTION STA. 23+45 TO 34+25



RIVERDALE DRIVE PROPOSED TYPICAL SECTION STA. 0+20 TO 23+45



DATE	REVISION

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

Engineer Name
Date xx /xx/xx Lic. No. Eng. No.

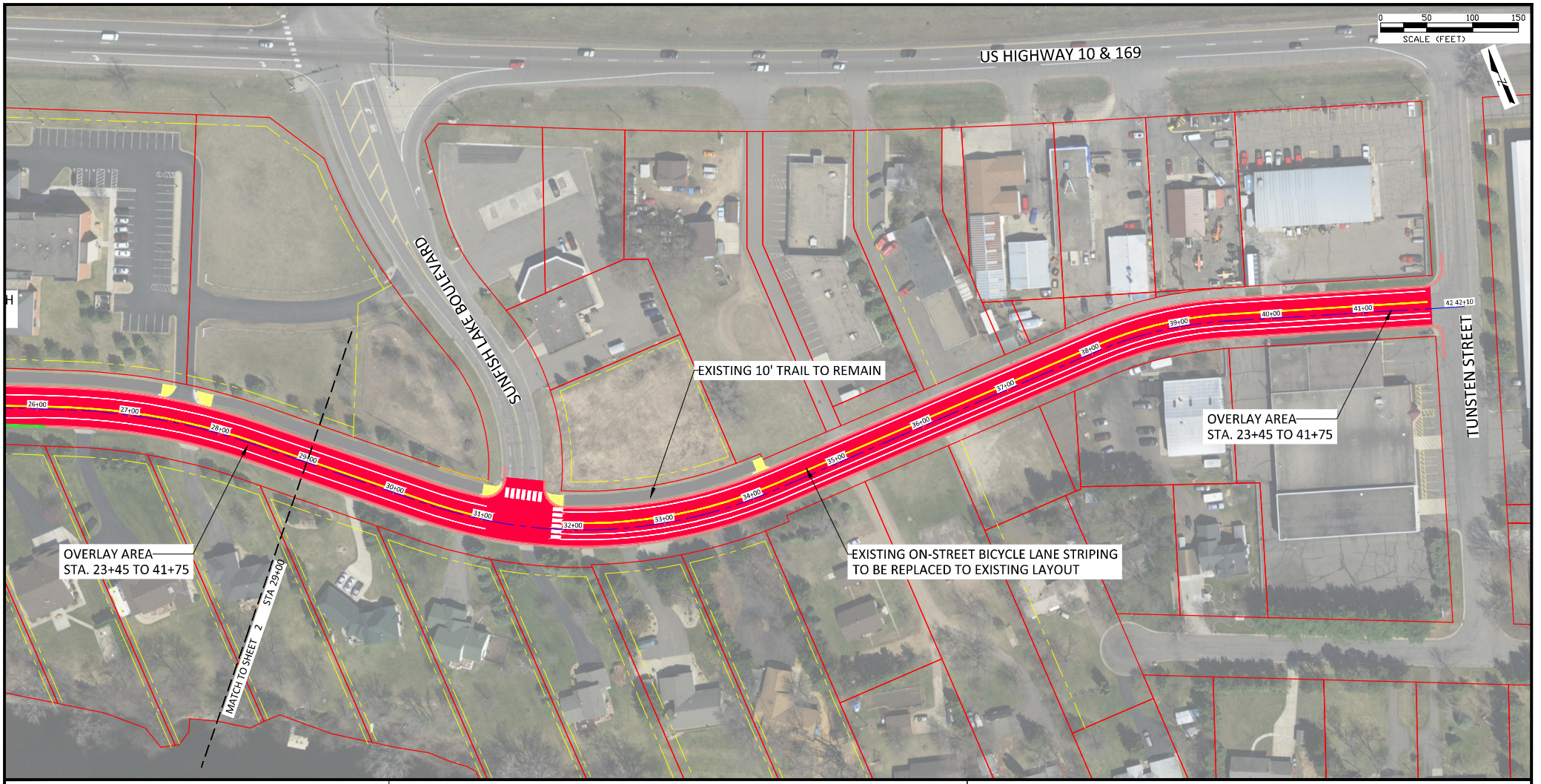
DESIGNED BY:	---		
DRAWN BY:	---	DATE:	xx/xx/xx
CHECKED BY:	---	FILE:	(file no.)

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

PRE-DESIGN LAYOUT
STA. 15+00 TO 29+00

RIVERDALE DRIVE (FELDSPAR TO TUNGSTEN)
CITY PROJECT NO. (File No.)
CITY OF RAMSEY, MINNESOTA

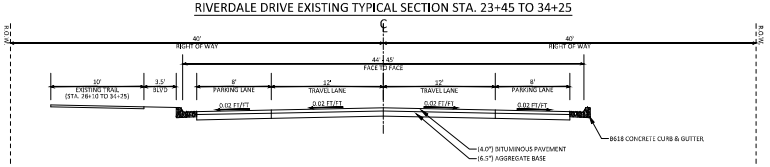
SHEET 2 OF 3 SHEETS



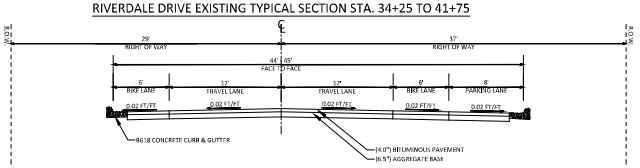
LEGEND

- PR. RECONSTRUCTION
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- PR. STORM SEWER
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- EX. BITUMINOUS TRAIL
- EX. CONCRETE WALK
- EX. CONCRETE CURB AND GUTTER

RIVERDALE DRIVE EXISTING TYPICAL SECTION STA. 23+45 TO 34+25



RIVERDALE DRIVE EXISTING TYPICAL SECTION STA. 34+25 TO 41+75



DATE	REVISION

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

Engineer Name
Date xx /xx/xx Lic. No. Eng. No.

DESIGNED BY:	---		
DRAWN BY:	---	DATE:	xx/xx/xx
CHECKED BY:	---	FILE:	(file no.)

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

PRE-DESIGN LAYOUT
STA. 29+00 TO 41+75

RIVERDALE DRIVE (FELDSPAR TO TUNGSTEN)
CITY PROJECT NO. (File No.)
CITY OF RAMSEY, MINNESOTA

SHEET 3 OF 3 SHEETS

DETAILED COST ESTIMATE

CLIENT: City of Ramsey PROJECT: 2021 Riverdale Drive Extension Project	BOLTON & MENK, INC.								
WORK TASK DESCRIPTION	**Project Manager**	**Project Engineer**	**Design Engineer**	**Sr. Traffic Engineer**	**Technician**	**Survey**	**Clerical**	**Total Hours**	**Cost**
Preliminary and Final Design									
1.0 Project Management / Meetings	8	12	2	0	0	0	2	**24**	$3,764
2.0 Data Collection / Base Map	1	4	4	0	0	34	0	**43**	$6,002
3.0 Utility Coordination	0	4	8	0	4	0	1	**17**	$2,108
4.0 Geotechnical Coordination	0	2	2	0	0	0	1	**5**	$610
5.0 Final Design and Plan Preparation	12	64	92	10	202	0	20	**400**	$52,736
6.0 Bidding Services	5	11	10	0	0	0	6	**32**	$4,239
Subtotal Bolton & Menk Design	**21**	**86**	**108**	**10**	**206**	**34**	**24**	**489**	$65,220
								SUBCONSULTANT - American Engineering Testing	$5,225
								TOTAL for Design through Bidding	**$70,445**

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March 3, 2021

Mr. Bruce Westby, P.E.
City Engineer
City of Ramsey
7550 Sunwood Drive NW
Ramsey, Minnesota 55303

RE: Proposal for Construction Related Services – 2021 Riverdale Drive Improvement Project – Feldspar Street to 140 Feet West of Sunfish Lake Boulevard

Dear Mr. Westby:

We appreciate the opportunity to present this scope of services for the Riverdale Drive Improvement project. Our scope and fees were prepared based on our understanding of the project and our previous experience in assisting the City of Ramsey with similar project types. Our proposed services will be as described below:

Contract Preparation – Assist with Notice of Award, Contracts, and Notice to Proceed. Prepare sets of contract documents (plans and specifications) for City and Contractor.

Pre-Construction Conference – Attend Pre-Construction Conference to address questions that may arise related to project design or construction staking.

Shop Drawing / Submittal Review – Review submittals for key project components.

Construction Staking – Includes setting survey control and staking curb, storm sewer, fire hydrants, pedestrian curb ramps, and trail.

Pay Application Assistance – Work with City and Contractor to complete payment documents.

As-Built Survey and Record Drawings – Survey key project components after completion of construction and prepare of Record Drawings.

Construction Revisions / Plan Updates – To be performed as needed during construction. We have assumed a total of 26 hours for this task. We will not invoice for this task unless requested by City.

We have attached a fee spreadsheet depicting hours, rates, and total compensation on a per task basis. Our proposed Not-To-Exceed fees for the work are $21,682.00.

If there are any questions related to this proposal, please call me at (651) 968-7760.

Sincerely,

Bolton & Menk, Inc.

Kevin P Kielb

Kevin P. Kielb, P.E.
Principal Engineer

DETAILED COST ESTIMATE

CLIENT: City of Ramsey PROJECT: 2021 Riverdale Drive Extension Project	BOLTON & MENK, INC.								
WORK TASK DESCRIPTION	**Project Manager**	**Project Engineer**	**Design Engineer**	**EIT**	**Survey Technician**	**Survey**	**Clerical**	**Total Hours**	**Cost**
	Kielb	Cook	Lingl	Labat	Hill	Nelson	Ogren	-	-
Preliminary and Final Design									
Contract Preparation	1	0	0	0	0	0	4	**5**	$539
Pre-Con	1	0	1	0	1	0	0	**3**	$482
Construction Staking	0	0	4	0	12	64	0	**80**	$12,548
Shop Drawing Review	0	1	4	4	0	0	1	**10**	$1,284
Pay Application Assistance	0	0	8	0	0	0	0	**8**	$1,136
As-Built Survey	0	0	0	0	2	4	0	**6**	$930
Record Drawings	0	1	4	4	0	0	0	**9**	$1,198
Revisions / Plan Updates	1	1	16	8	0	0	0	**26**	$3,565
Subtotal Bolton & Menk Design	**3**	**3**	**37**	**16**	**15**	**68**	**5**	**147**	$21,682

TOTAL for Staking and Construction Admin	**$21,682**

CC Regular Session **7. 7.**

Meeting Date: 03/09/2021

Submitted For: Kurt Ulrich, Administrative Services

By: Kathy Schmitz, Administrative Services

Information

Title:

Adopt Resolution # 21-067 Instructing that No City Resource be Utilized in the Enforcement of Executive Order 20-81

Purpose/Background:

Councilmembers Heineman and Howell have requested consideration of the attached resolution. The following language was provided:

Section 1 of the 14th Amendment states that: All persons born or naturalized in the United States and subject to the jurisdiction thereof, are citizens of the United States and of the State wherein they reside. No State shall make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; nor shall any State deprive any person of life, liberty, or property, without due process of law; nor deny to any person within its jurisdiction the equal protection of the laws.

*We and other elected officials took an oath to uphold the constitutions of the United States and the State of Minnesota (City Code Chap.12, Sec. 12.2), and Governor Walz' executive orders in response to the Covid-19 pandemic have broadly undermined the basic human rights of our neighbors, our families, and ourselves and; conflict with and do not release the city of Ramsey from its' obligation to operate in harmony with the constitutions of this state and of the United States and with the statutes of this state (City Code Chap.1, Sec.1.2 and State Statute 609.735, Chap.12, Sec. 12.39, Chap. 144, Sec.144.651, Chap. 363A, Sec, 363A.1*1).

Recommendation:

Councilmembers Heineman and Howell have requested consideration of the attached resolution. The following language was provided:

It is recommended that CITY RESOURCES, whether physical, financial or otherwise, including but not limited to law enforcement, city staff and personnel, city contractors and subcontractors or assistance of any kind tied to the city, or any cooperation to any government including federal, state, or county, SHALL NOT be used to enforce any of Governor Walz's Emergency Executive Orders, including but not limited to, Executive Order 20-81 and any other orders that infringe on people's constitutionally protected rights, especially as it related to COVID-19.

Staff Comment:

The City Attorney advises that the Council doesn't have the authority to instruct law enforcement not to enforce certain laws. He mentioned that points raised in the proposed resolution have been argued in Minnesota courts and the Executive Order has been upheld. Police Chief Katers has expressed similar concerns and, while the mask mandate (a petty misdemeanor) is not proactively enforced by our police, they are bound to enforce the law as determined by the court system. If such a resolution is considered by the Council, it is recommended that the "no enforcement" language be changed to some "strongly opposed. . . " language that would support the Council's position, without directing staff not to enforce this particular law.

Action:

Refer item to a future Council work session, or Motion to adopt Resolution #21-067, as amended.

Attachments

Res 21-067

Form Review

Inbox	Reviewed By	Date
Kurt Ulrich	Kurt Ulrich	03/08/2021 04:27 PM
Form Started By: Kathy Schmitz		Started On: 03/08/2021 03:36 PM
Final Approval Date: 03/08/2021		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION 21-067

RESOLUTION INSTRUCTING THAT NO CITY RESOURCE BE UTILIZED IN THE ENFORCEMENT OF EXECUTIVE ORDER 20-81

WHEREAS, Section 1 of the 14th Amendment states that: All persons born or naturalized in the United States and subject to the jurisdiction thereof, are citizens of the United States and of the State wherein they reside. No State shall make or enforce any law which shall abridge the privileges or immunities of citizens of the United States; nor shall any State deprive any person of life, liberty, or property, without due process of law; nor deny to any person within its jurisdiction the equal protection of the laws; and

WHEREAS, We and other elected officials took an oath to uphold the constitutions of the United States and the State of Minnesota (City Code Chap.12, Sec. 12.2), and Governor Walz' executive orders in response to the Covid-19 pandemic have broadly undermined the basic human rights of our neighbors, our families, and ourselves and; conflict with and do not release the city of Ramsey from its' obligation to operate in harmony with the constitutions of this state and of the United States and with the statutes of this state (City Code Chap.1, Sec.1.2 and State Statute 609.735, Chap.12, Sec. 12.39, Chap. 144, Sec.144.651, Chap. 363A, Sec, 363A.11).

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 orders that CITY RESOURCES, whether physical, financial or otherwise, including but not limited to law enforcement, city staff and personnel, city contractors and subcontractors or assistance of any kind tied to the city, or any cooperation to any government including federal, state, or county, SHALL NOT be used to enforce any of Governor Walz's Emergency Executive Orders, including but not limited to, Executive Order 20-81 and any other orders that infringe on people's constitutionally protected rights, especially as it related to COVID-19.

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 9th day of March, 2021.

_____
Mayor

ATTEST:

_____
City Clerk

CC Regular Session **7. 8.**

Meeting Date: 03/09/2021

Submitted For: Kurt Ulrich, Administrative Services

By: Kathy Schmitz, Administrative Services

Information

Title:

Adopt Resolution # 21-068 Directing City of Ramsey Staff, Authorities, Boards and Commissions to Take and Follow Direction from the Ramsey City Council

Purpose/Background:

Councilmembers Heineman and Howell have requested consideration of the attached resolution. The following language was provided:
Councilmembers represent the residents of Ramsey and have a duty as their representatives to advance initiatives in their best interest. Per the City of Ramsey Organizational Chart, the Ramsey City Council is responsible for giving direction to city staff and by proximity, to the EDA, EPB, Parks and Rec and Planning Commission via City Administrator.

The direction given to the City Administrator, Staff, Authorities, Boards and Commissions are directives and should be heeded in all due diligence to the best of the abilities of all parties involved. Failure to heed to these directives may be construed as failure to adapt to the City Council's initiatives and subsequently undermine the residents through their elected representatives.

Recommendation:

Council members Heineman and Howell have requested consideration of the attached resolution. The following language was provided:
It is recommended the Ramsey City Council adopt the resolution to ensure that necessary expectations are outlined assuring a mutually successful relationship between the residents, city council, administration, staff authorities, boards and commissions.

Staff recommends clarifying language in the resolution that Council direction is direction from the Council acting as a body, not from individual Councilmembers. While the council/staff relationship is firmly command/control in nature, the relationship with *Authorities, Boards and Commissions* is advisory by nature, so direction might be limited to certain higher-level policy directives. Boards like the EDA and Planning Commission may also have certain statutory authority and Council direction on some items wouldn't be appropriate (e.g., when they are acting as an independent hearing board on a zoning case). It is recommended that the resolution contain language to make these distinctions.

Action:

Defer to future Council work session, or Motion to Adopt Resolution #21-068 Directing the City of Ramsey Staff, Authorities, Boards and Commissions to take and follow direction from the Ramsey City Council, as amended.

Attachments

Resolution 21-068

Form Review

Inbox	Reviewed By	Date

Kurt Ulrich	Kurt Ulrich	03/08/2021 04:27 PM
Form Started By: Kathy Schmitz		Started On: 03/08/2021 03:46 PM
Final Approval Date: 03/08/2021		

Councilmember introduced the following resolution and moved for its adoption:

RESOLUTION 21-068

RESOLUTION DIRECTING CITY OF RAMSEY STAFF, AUTHORITIES, BOARDS AND COMMISSIONS TO TAKE AND FOLLOW DIRECTION FROM THE RAMSEY CITY COUNCIL

WHEREAS, Councilmembers represent the residents of Ramsey and have a duty as their representatives to advance initiatives in their best interest. Per the City of Ramsey Organizational Chart, the Ramsey City Council is responsible for giving direction to city staff and by proximity, to the EDA, EPB, Parks and Rec and Planning Commission via City Administrator; and

WHEREAS, The direction given to the City Administrator, Staff, Authorities, Boards and Commissions are directives and should be heeded in all due diligence to the best of the abilities of all parties involved. Failure to heed to these directives may be construed as failure to adapt to the City Council's initiatives and subsequently undermine the residents through their elected representatives.

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 adopts this resolution to ensure that necessary expectations are outlined assuring a mutually successful relationship between the residents, city council, administration, staff authorities, boards and commissions.

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 9th day of March, 2021.

_____
Mayor

ATTEST:

City Clerk