City of North St. Paul
City Council
Workshop Meeting Agenda

December 7, 2021
5:00 PM

The City Council Meeting will be conducted on **December 7, 2021** at 5:00 p.m. The meeting location is the City Council Chambers of City Hall, located at 2400 Margaret St., North St. Paul.

The City Council will also be meeting by interactive TV under Minn. Stat. 13D.02. Members of the public are permitted to attend the meeting in person. However, it is encouraged to participate in the meeting remotely. Instructions can be found below.

The **December 7, 2021** Zoom meeting can be accessed via:
https://tinyurl.com/NSPCityCouncil
or by phone at 1-929-205-6099, meeting ID 821 4097 2224, password 362656.
You can also watch the meeting on our YouTube channel here **tinyurl.com/NSPYouTube**

The City Council Zoom meeting will be 'open to the public' to listen in but will be muted from contributing at all times with the exception of a Public Hearing and open to the public forum.

I. Call to Order

II. Roll Call

Council Member Thorsen
Council Member Petersen
Council Member Wong
Council Member Cole
Mayor Furlong

III. Adopt Agenda

IV. Topic(s)

A. Water Storage Siting Study

B. Tax Forfeit Parcel

C. 2022 Municipal Fee Schedule and Utility Rate Schedule

D. Enterprise Funds

V. Other Business

VI. Adjournment

The next regularly scheduled City Council Workshop meeting is December 21, 2021.

NORTH ST. PAUL
extraordinary.

Agenda Information Memorandum

To	Date
Honorable Mayor Furlong and City Council	December 7, 2021

Agenda Placement # IV.A

Topic(s)

Subject

Water Storage Siting Study

Background/Facts

The City of North St. Paul has identified a need to expand existing drinking water storage capacity to meet 10-State standards. To assist with the future planning of capital improvements relating to drinking water storage, WSB has conducted a water storage siting study. For the study, tank size, type, location, and the hydraulic impact on the distribution system were evaluated. To determine tank size, the following parameters are factors: population projections; future water demand data; existing storage and production capacity; and firefighting needs.

Based on the analysis included in the report, the recommendation is for the construction of a 0.75 million-gallon (MG) elevated storage tank to serve the existing and future development. After determining the recommended volume, different types of elevated storage tanks were further evaluated, including a fluted column elevated tower, and a composite elevated tower.

Three potential water tower sites were discussed with City staff and selected for further consideration. Each site was modeled using InfoWater software to analyze how multiple elevated tanks in various locations of the city would balance with each other and impact the water distribution system. The impact of each proposed site on the city's static water pressures and available fire flows was also modeled. The capital, operations, and maintenance costs were projected through a 50-year life-cycle cost analysis for each tank type and site. These costs are summarized in the following table:

Water Storage Type	Cost Type	Site 1	Site 2	Site 3
Fluted Column Water Tower Total 50-Year Cost		$ 6,301,000	$ 6,548,000	$ 7,462,000
Composite Water Tower Total 50-Year Cost		$ 5,002,000	$ 4,711,000	$ 5,843,000

The attached report's recommendation is to construct a 0.75 MG Composite Water Storage Tank in Site 2, which is the existing North Tower and Tower Park site, and to decommission the existing North Water Tower. This recommendation is based on the City's projected storage requirements, distribution system modeling results, and the 50-year life cycle cost calculated for all the options considered.

Recommendation:

No action is necessary. Information and discussion only.

Attachments

1. 014879-000 RPT Siting Study North St. Paul FINAL 12012020

Respectfully submitted,
Morgan Dawley, City Engineer

SITING STUDY

WATER STORAGE SITING STUDY

CITY OF NORTH ST. PAUL | MINNESOTA

December 1, 2020

Prepared for:
City of North St. Paul
2400 Margaret St N
North St. Paul, MN 55109

WSB PROJECT NO. R-014879-000

WATER STORAGE SITING STUDY

FOR

CITY OF NORTH ST. PAUL
RAMSEY COUNTY, MINNESOTA

December 1, 2020

Prepared By:

December 1, 2020

Mr. Scott Duddeck
City Manager
City of North St. Paul
2400 Margaret Street
North St. Paul, MN 55109

Re: Water Storage Siting Study
City of North St. Paul
WSB Project No. R-014879-000

Dear Mr. Duddeck:

The City of North St. Paul is evaluating the construction of additional water storage to meet its current and future water demands. WSB prepared this study report to compare storage options and potential locations for a new water storage facility, and to provide recommendations.

Additionally, the modeling work that was completed to address the viability of splitting the distribution system in two pressure zones to achieve more consistent static water pressures is shown in Appendix D of this report.

We are available at your convenience to discuss this report. Please do not hesitate to contact us if you have any questions.

Sincerely,

WSB

Greg F. Johnson, PE
Director of Water/Wastewater

178 E 9TH STREET | SUITE 200 | SAINT PAUL, MN | 55101 | 651.286.8450 | WSBENG.COM

CERTIFICATION

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.

Greg Johnson, PE

Date: December 1, 2020 License No. 26430

Prepared By:

Ursinio Puga, EIT

Date: December 1, 2020

TABLE OF CONTENTS

1. EXECUTIVE SUMMARY

The City of North St. Paul retained WSB to conduct a water storage siting study. For the study, tank size, type, location, and the hydraulic impact on the distribution system were evaluated. To determine tank size, the following parameters were considered:

1) Population projections;
2) Future water demand data;
3) Existing storage and production capacity; and
4) Firefighting needs.

Based on the analysis, it is recommended to construct a 0.75 million-gallon (MG) elevated storage tank to serve the existing and future development. After determining the recommended volume, two types of elevated storage tanks were further evaluated:

1) Fluted column elevated tower; and
2) Composite elevated tower.

Three potential water tower sites were discussed with City staff and selected for further consideration. Each site was modeled using InfoWater software to analyze how multiple elevated tanks in various locations of the City would balance with each other and impact the water distribution system. The impact of each proposed site on the City's static water pressures and available fire flows was also modeled. The capital, operations, and maintenance costs were projected through a 50-year life-cycle cost analysis for each tank type and site. These costs are summarized in **Table 1**.

Table 1. Estimated 50-Year Life Cycle Cost of Water Towers

Water Storage Type	Cost Type	Site 1	Site 2	Site 3
0.75 MG Fluted Column Water Tower	Capital Costs	$ 3,505,700	$ 2,942,500	$ 3,985,300
	Maintenance Costs	$ 1,511,093	$ 2,245,456	$ 2,019,498
	Indirect Costs	$ 752,519	$ 778,193	$ 900,720
0.75 MG Composite Water Tower	Capital Costs	$ 3,120,700	$ 2,502,500	$ 3,600,300
	Maintenance Costs	$ 650,932	$ 967,273	$ 869,938
	Indirect Costs	$ 565,745	$ 520,466	$ 670,536
Fluted Column Water Tower Total 50-Year Cost		**$ 5,769,000**	**$ 5,966,000**	**$ 6,906,000**
Composite Water Tower Total 50-Year Cost		**$ 4,337,000**	**$ 3,990,000**	**$ 5,141,000**

Note – Indirect costs include engineering, legal, and administration.

It is recommended to construct a 0.75 MG Composite Water Storage Tank in Site 2 and to decommission the existing North Water Tower. This recommendation is based on the City's projected storage requirements, distribution system modeling results, and the 50-year life cycle cost calculated for all the options considered. Prior to moving forward with this project, it is recommended that the preferred water tower site undergoes a geotechnical evaluation with soil borings to identify if any additional structural requirements (e.g. structural pilings) would be necessary as these would impact the overall cost of the project.

2. PROJECT OVERVIEW

Water storage is provided in municipal water systems to create and maintain water pressure and to provide reserve capacity in case of emergency events such as fires, power outages, and mechanical failure. Additionally, water storage is important for daily water system operations as well as emergency response and source backup. At minimum, a city's water storage capacity should be equal to its Average Day Demand (ADD). However, it is recommended for a city's storage capacity to be equal to its Maximum Day Demand (MDD), with adjustments for pumping capacity, plus additional volume for firefighting capabilities and water pressure equalization.

Previous Comprehensive Plans (2030 and 2040) identified the need for additional storage in North St. Paul given historical water consumption trends, population projections, and the City's existing storage capacity. More specifically, the City's 2040 Comprehensive Plan recommended that additional storage would need to be constructed as soon as feasibly possible as the City's storage capacity does not currently meet the minimum recommended storage requirements.

Based on current development and water usage data, it was recommended that additional storage be constructed as soon as possible. Water storage projects usually require about two years to site, design, bid, and construct. As a result, the City requested this siting study be conducted to make specific recommendations for future water storage improvements. The City's existing water distribution system is shown in **Figure A1** in **Appendix A**.

3. EXISTING AND FUTURE STORAGE REQUIREMENTS

3.1 Determining Needed Storage

Water systems that require fire protection should provide enough storage to meet the MDD as well as additional volume for fire protection and pressure equalization. This storage recommendation is reduced when the system has excess production capacity in its water wells. The overall equation to determine recommended storage capacity is as follows:

Equation 1. Water Storage Calculation

Total Storage Recommended = Adjusted Fire Storage (AFS) + Equalization Storage

where

AFS = (MDD + Fire Requirement – Firm Capacity) x Design Fire Duration (Hours)

MDDs are evaluated by comparing the City's ADD to its peak demands over the past several years. From these values, a peaking factor can be developed that represents the multiplier to compare average and peak day demands. Based on this peaking factor, as well as per capita water use and population projections, estimates for the future MDD can be obtained.

Firefighting volume requirements vary based on land uses and specific commercial, industrial, and institutional uses. Firefighting requirements are based on guiding documents, including Ten States Standards and the Insurance Services Office (ISO), but the overall fire flow requirements are usually at the discretion of each community.

Equalization storage is the volume required to satisfy water demands that exceed the well pumping capacity throughout the day. During the MDD, hourly demands vary as a diurnal demand pattern with the maximum hour demand designated as the peak hour demand. Equalization storage is determined by calculating the volume necessary to meet the peak hour demands beyond what the well firm capacity can provide. The American Water Works Association (AWWA) recommends the required equalization volume to equal 70 to 100 percent of the ADD, or 20 to 25 percent of the MDD. Firm pumping capacity is the total capacity of the wells with the largest well out of service. Using these factors, the future storage capacity needs for North St. Paul can be calculated.

3.1.1 Historical System Demands and Peaking Factor

Table 2 below summarizes the City's historical water usage data.

Table 2. Historical Water Usage

Year	ADD (MGD)	MDD (MGD)	Peaking Factor	Per Capita Demand (GPD)
2014	1.05	2.87	2.7	72.2
2015	1.01	5.11	5.1	70.5
2016	0.97	2.19	2.3	67.7
2017	0.97	-	-	-
2018	0.99	1.98	2.0	71.7
Average	**1.00**	**3.04**	**3.0**	**70.5**

ADD – Average Day Demand; MDD – Maximum Day Demand; MGD – Million Gallons per Day; GPD – Gallons per Day

The City's existing water system supplies treated water to approximately 14,300 people. The 5-year ADD was 1.00 million gallons per day, with an average per capita demand of 70.5 gallons per day over the same time. The 5-year MDD was, on average, 3.04 million gallons. The peaking factor (the ratio between MDD and ADD) is approximately 3.0 for North St. Paul. This factor can be used in conjunction with population projections and per capita usage to estimate future water demands.

3.1.2 Fire Protection

The ISO publishes fire storage guidelines, in which they recommend a fire system capacity based on the type of city being served. Because the firefighting requirements for the City of North St. Paul vary throughout the system, the standard ISO required available fire flow of 3,500 gpm for three hours was used as the minimum required fire flow rate. Therefore, the City-wide total required firefighting storage volume is 630,000 gallons.

3.1.3 Production Wells and Firm Pumping Capacity

North St. Paul has five production wells. The highest capacity wells are Well No. 4 and No. 5, which are capable of pumping 1,500 gpm each. **Table 3** summarizes the City's production capabilities with all wells in service and at firm capacity (with the largest well, either Well No. 5 or No. 4, out of service).

Table 3. North St. Paul Well Production

Well No.	Unique Well No.	Year Installed	Aquifer	Capacity (GPM)
1	208222	1935	Prairie Du Chien - Jordan	1,200
2	208223	1942	Prairie Du Chien - Jordan	1,200
3	208224	1957	Jordan	1,000
4	205744	1964	Jordan	1,500
5	112229	1977	Jordan	1,500
			Total Pumping Capacity (GPM)	**6,400**
			Firm Pumping Capacity (GPM)	**4,900**

The City's firm capacity should be equal to or greater than the MDD. The 5-year MDD was 3.04 MGD and the firm capacity is 7.06 MGD (4,900 GPM); therefore, the production capacity is high enough for the City's current water demands.

3.1.4 Existing System Storage

The City of North St. Paul has two elevated storage tanks, the North Tower and the South Tower. The North Tower is located at the intersection of 2nd Street North and 14th Avenue East in Tower Park, and is a steel multi-leg tower constructed in 1946 with a capacity of 300,000 gallons. The South Tower is located at the intersection of 1st Street North and Northwood Drive in Northwood Park, and is a steel multi-leg tower constructed in 1960 with a capacity of 500,000 gallons. The total storage capacity of the system is 800,000 gallons.

3.2 Future Storage Needs

The population served by the City's water system has fluctuated considerably from year to year but remained fairly constant over the last ten years. The total population currently served by the City's water system, including water service to a portion of Maplewood, is approximately 14,300 people. The Metropolitan Council is not predicting any population growth in North St. Paul over the next 20 years. An ultimate development scenario was calculated for North St. Paul to be conservative when sizing the storage tank. The ultimate population projection for North St. Paul was calculated to be 10 percent higher than the 2040 projected population. The 5-year average per capita water demand and peaking factors were used to project the ADD and MDD through ultimate conditions. The projected population served, the ADD, and MDD are shown in **Table 4**.

Table 4. Population and Water Demand Projections

Year	Population Served	ADD (MGD)	Peaking Factor	MDD (MGD)
2019	14,300	1.01	3.0	3.02
2020	14,300	1.01	3.0	3.02
2030	14,300	1.01	3.0	3.02
2040	14,300	1.01	3.0	3.02
Ultimate	15,730	1.11	3.0	3.33

Using **Equation 1**, **Table 5** calculates the needed water storage from existing (2020) to ultimate conditions.

Table 5. Water Storage Requirements

		Existing	2040	Ultimate
A	AD Water Use in gpd	1,010,000	1,010,000	1,110,000
B	MD / AD Ratio	3.0	3.0	3.0
C	MD Water Use in gpd (A x B)	3,030,000	3,030,000	3,330,000
D	MD Water Use in gpm(1)	2,525	2,525	2,775
E	Firm Pumping Capacity in gpm	4,900	4,900	4,900
F	ISO Design Firefighting Rate in gpm	3,500	3,500	3,500
G	Firefighting Duration in hours	3	3	3
H	Design Firefighting Volume in Gal (F x G x 60 min/hour)	630,000	630,000	630,000
I	Total Coincident Demand in gpm (D + F)	6,025	6,025	6,275
J	Required Draft from Storage in gpm (I - E)	1,125	1,125	1,375
K	Adjusted Firefighting Storage in gal (G x 60 min/hr x J)	202,500	202,500	247,500
L	Equalization Storage in gpd (C x 25%)	757,500	757,500	832,500
M	Total Storage Needed in gal (K + L)	960,000	960,000	1,080,000
N	Existing Storage Capacity in gallons	800,000	800,000	800,000
O	Additional Storage Capacity Needed in gallons (A – N)(2)	210,000	210,000	310,000
P	Additional Storage Capacity Needed in gallons (M – N)(3)	160,000	160,000	280,000

(1) MDD in gpm was calculated assuming the City has 20 hours to supply this demand. The reason for this is that well pump cycling limits the amount of supply water that can be processed at once.
(2) Additional storage needed to meet ADD
(3) Additional storage needed to meet Total Storage Needed Calculation (MDD + firefighting + equalization)

The proposed storage tank was sized to meet ultimate demand projections with hopes that this will be the last storage tank that the City of North St. Paul will need to build. Given that the ADD projection generates a more conservative water storage requirement for North St. Paul, the storage tank proposed in this siting study was sized to meet the ultimate ADD projection instead of the storage requirement calculated using **Equation 1**.

During the kick-off meeting, City staff communicated their preference to remove the older water tower from the distribution system while the new water storage tank is constructed so the City does not have to maintain the two existing water towers and a new storage tank (tower or ground storage) in the future. The North Tower is the oldest (built in 1946) and the smallest (300,000-gallon capacity) of the two existing water towers. By removing the North Tower, the volume requirements for the proposed storage tank would be increased. The changes to the future volume requirements are shown in **Table 6**.

Table 6. Future Water Storage Requirements – Without the North Tower

		Existing	2040(1)	Ultimate(1)
N	Existing Storage Capacity in gallons	800,000	500,000	500,000
O	Additional Storage Capacity Needed in gallons (A – N)(2)	210,000	510,000	610,000
P	Additional Storage Capacity Needed in gallons (M – N)(3)	160,000	460,000	580,000

(1) The North Water Tower was removed from the system.
(2) Additional storage needed to meet ADD.
(3) Additional storage needed to meet Total Storage Needed Calculation (MDD + firefighting + equalization).

Based on the ultimate results of the analysis shown in **Table 6**, it is recommended that North St. Paul constructs a 0.75 million-gallon (MG) storage tank and removes the existing North Tower. Constructing a 0.75 MG storage tank would ensure that the City exceeds its most conservative projected ultimate storage needs by approximately 0.17 MG.

Figure 1 shows the projected storage needs calculated in **Table 5** as well as the City's storage capacity once the new storage tank is constructed. **Figure 1** assumes that the removal of the North Tower from the system will take place at the same time or shortly after the new storage tank is constructed.

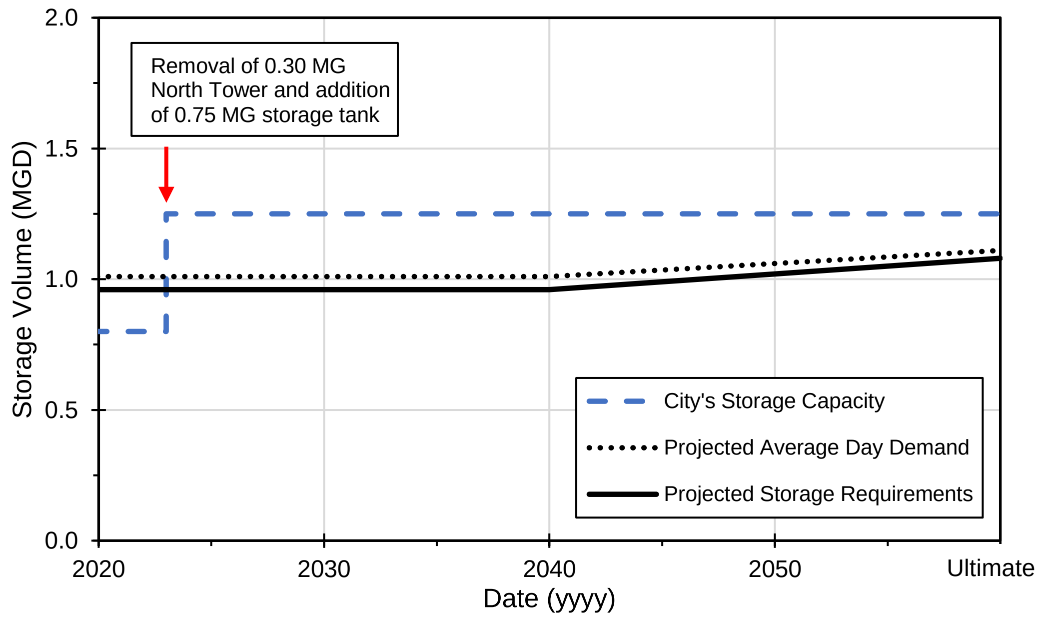

Figure 1. Projected Storage Demands and Storage Capacity

4. STORAGE TYPE

There are two primary types of storage tanks: elevated and ground storage reservoirs. Elevated tanks (water towers) are bowls or spheres supported by a column. The elevation of the tower provides water pressure, and no pumping systems are required when the tower is full. Ground storage reservoirs are placed directly on the ground and are either at grade, partially buried, or fully buried. A pumping system is used to deliver water and pressure to the distribution system. The characteristics, advantages, disadvantages, and operations of each type of tank are described below.

4.1 Elevated Storage Tank

4.1.1 Tank Overview

Elevated tanks, or water towers, consist of a tank or bowl and supporting structure. The elevation of the water tower determines the static water pressure in the distribution system. Ten States Standards recommend that working distribution pressures be 60 to 80 psi, and not lower than 35 psi. Therefore, elevated tanks are a good option when constructing storage in relatively flat areas, so pressures are consistent throughout the system. Within the water distribution system, locations with high ground elevations are preferred to minimize tank height and, therefore, construction costs.

4.1.2 Types and Materials

Either a fluted or composite water tower is recommended with this option whenever the recommended storage capacity exceeds 0.50 MG. Below this capacity, other types of water storage tanks become more feasible. The life span of a fluted column or composite water tower is estimated to be 100 years with proper operation and maintenance. A fluted column tank is constructed entirely of steel above the concrete foundation. The entire steel structure of a fluted column tank requires painting.

For a composite style water tower, the pedestal is constructed of concrete and the tank bowl is constructed of steel. The concrete pedestal is usually left unpainted, which can reduce the long-term maintenance costs when compared to a fluted column tank that is entirely painted. More than 75 percent of all elevated water storage tanks throughout North America are now composite tanks. Photographs of both types of tanks are shown in **Figure 2**.

Figure 2. Composite Water Tower (left) and Fluted Water Tower (right)

4.1.3 Advantages and Disadvantages

Because water towers use elevation to create pressure, no pumping systems are required other than the wells that pump water into the distribution system. Therefore, a water tower can be less expensive to construct and operate compared to a combined ground storage reservoir and booster station. However, water towers can be more expensive to maintain because the coating systems for the steel surfaces need to be replaced approximately every 15 to 20 years. Composite towers alleviate refurbishment costs somewhat when compared to the fluted towers because the concrete stems, where most of the surface area exists, do not require initial painting and repainting over time.

4.2 Ground Storage Reservoir

4.2.1 Tank Overview

Ground storage reservoirs are built at or below grade and use pumps to create pressure in the distribution system. The pumps can be set to maintain a designated pressure or can operate based on water tower levels elsewhere in the City. A ground storage reservoir requires a booster pump station to be constructed adjacent to the ground storage reservoir.

4.2.2 Types and Materials

Ground storage reservoirs are usually constructed out of steel or concrete that is sealed using concrete surface sealants and curing compounds or plasticizers.

4.2.3 Advantages and Disadvantages

Ground storage reservoirs usually do not require repainting like water towers. However, because their operation relies on high service pumps to deliver the water to the distribution system, there are significant power, operation, and replacement costs associated with them. The high service pumps of the reservoir would also limit the pumping capacity into the distribution system. Towers, on the other hand, can empty as rapidly as the water distribution system will allow for meeting MDDs and fire demands.

5. SITE IDENTIFICATION

Upon analyzing the advantages and disadvantages between elevated storage tanks and ground storage tanks, an elevated storage tank is recommended for the City of North St. Paul. An elevated water storage tank is recommended since the City's topography is relatively flat and the City does not have an existing water treatment plant that would benefit from the construction of a nearby ground storage reservoir. In addition, the land requirements to construct a ground reservoir would be greater when compared to a water tower. Since a ground storage reservoir is not recommended, it was not included in the site identification analysis and evaluation.

Potential sites for constructing a 0.75 MG water tower were identified for further analysis based on location in the distribution system, ground elevations, and potential for ownership. A range of geographical locations were selected and modeled to gain a more complete understanding of the effects on the distribution system. Three initial sites were considered and discussed with City staff. These sites are shown in **Figure A2** in **Appendix A**. The sites are also listed **Table 7**.

Table 7. Proposed Water Storage Sites

Site	Location	Approx. Ground Elevation (ft)	Overflow Elevation (ft)	Approx. Water Tower Height (ft)	Nearest Watermain Diameter (in)	Land Ownership
1	St. Mary's Cemetery	1,016 - 1,028	1,123	95 – 107	8	Private
2	Tower Park	964 - 970	1,123	153 – 159	12	City
3	Charles Street	980 - 982	1,123	141 – 143	10	Private

5.1 Site Comparison

All three sites were preliminary discussed with City staff prior to conducting any modeling. Site 1 is a privately-owned cemetery. Thus, land would need to be purchased to build the water tower. Additionally, it is anticipated that a 5,300-foot section of watermain would need to be upsized to property balance the water towers. A significant benefit of constructing the water tower at Site 1 and upsizing the watermain is that fire flows will likely increase in the north end of town.

Site 2 is currently owned by the City. Thus, no additional land would need to be acquired to build the water tower at this location. Watermain would likely not need to be upgraded as there is an existing 12-inch diameter watermain near the site. This location is centrally located, which would ensure that adequate fire flows are maintained throughout most of the system. Furthermore, building a water tower at this site would facilitate the transition between building a new tower and decommissioning the North Tower since the project site would be the same. Contrary, this proposed location has the lowest ground elevation. Therefore, if a water tower were to be built at this site, the maintenance costs would be expected to be higher since there would be more surfaces that would need to be periodically coated.

Land at Site 3 would need to be purchased to build the water tower as this land is privately owned. Additionally, it is expected that this site would not need additional watermain installed and its ground elevation is higher when compared to Site 2. However, having the new tower and the existing South Tower located in the south-east end of town could decrease fire flows in the northern portions of the system once the North Tower is decommissioned.

A water tower construction site is ideally one to one and a half acres in size. None of the proposed sites have that much land available. It is possible, however, to construct a 0.75 MG water tower in a 150 ft wide by 150 ft long lot, which is available in all three sites. Nevertheless, the capital costs associated to site work (access, clearing, overhead power lines, nearby buildings, etc.) could be slightly higher than usual due to the smaller construction site.

6. HYDRAULIC ANALYSIS OF POTENTIAL LOCATIONS

Both extended period and steady state simulations were completed using InfoWater software to hydraulically analyze the proposed water tower locations. The modeling results are presented in the sections below.

6.1 Extended Period Analysis

Water demands are variable throughout the day and the year. On an annual basis, the heaviest demand conditions (MDDs) typically occur during the summer when residential irrigation increases. Water demands also vary over the course of a day. **Figure 3** depicts a typical demand distribution graph, as applied to North St. Paul's MDDs. The 24-hour demand graph depicts low water demand during the early morning periods and increasing demand during the day with a slight decrease in the late morning. By late afternoon, the demand peaks at what is considered the peak hourly demand. The demand then lessens considerably into the late evening hours.

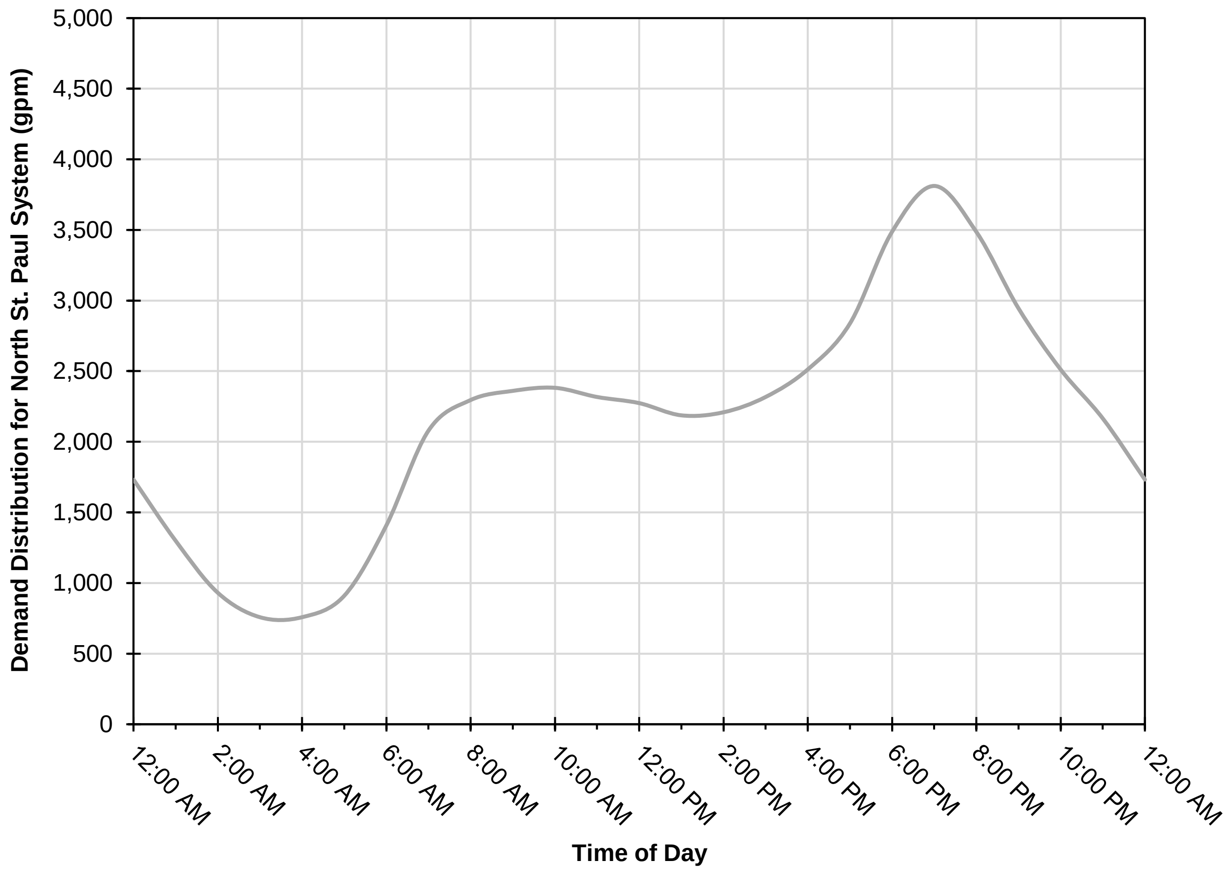

Figure 3. 24-Hour Demand Distribution Curve

During extended period simulations, water demands inside the model change continuously over a period of time to represent the daily demand fluctuations as shown in **Figure 3**. The period of time chosen for the extended period simulation in this siting study was 72 hours. By conducting extended period simulations, the model attempts to provide a snapshot into how the water towers balance with each other when filling and draining under high demands. Ideally, all water towers should cycle (fill and drain) simultaneously. Extended period modeling also assists in determining if an altitude valve will be required to allow any of the water towers to be filled to its maximum capacity.

The hydraulic balance between the existing North and South Towers was modeled in order to be able to compare existing conditions with proposed conditions (proposed tower locations). The results of the extended period simulation completed for existing conditions are shown in **Figure B1** in **Appendix B**. Under existing conditions, both water towers have similar filling and draining cycles. However, the North Tower is filled about two feet higher than the South Tower most of the time. This is likely due to the proximity of Well Nos. 1 and 2 to the North Tower.

6.1.1 Extended Period Analysis of Site 1

The results of the extended period simulations completed for Site 1 are shown in **Figures B2** through **B4** in **Appendix B**. Three simulations were completed for Site 1 as it was found that the South Tower and the proposed tower did not balance adequately if an existing section of watermain (approximately 5,300-foot of pipe) was not upsized. The pipe sections that must be upsized to adequately balance the water towers are shown in **Figure A3** in **Appendix A**. **Figure B2** shows the balancing results between the towers without any pipe upgrades, **Figure B3** shows the balancing results between the towers if the 5,300-foot pipe section is upsized to 10-inches, and **Figure B4** shows the balancing results between the towers if the 5,300-foot pipe section is upsized to 12-inches.

As shown in **Figures B2** through **B4**, the proposed water tower located in Site 1 will experience minimal fluctuations if the pipe section is not upsized. The balance between the two water towers improves significantly as the 5,300-foot pipe section is upsized. If Site 1 is chosen, the existing 5,300-foot pipe section should be upsized from 8 inches to 12 inches. Altitude valves should not be needed to fill either of the water towers if the watermain is upsized. Additionally, constructing the new tower at Site 1 and removing the North Tower will improve the filling and draining balance compared to existing conditions if the 5,300-foot pipe section is upsized.

6.1.2 Extended Period Analysis of Site 2

The results for the extended period simulation completed for Site 2 are shown in **Figure B5** in **Appendix B**. As shown in **Figure B5**, the filling and draining balance between the water tower proposed in Site 2 and the existing South Tower is improved when compared to existing conditions. This is likely because the proposed water tower is much larger than the existing North Tower. Therefore, even though Well Nos. 1 and 2 are near the water tower in Site 2, the tower doesn’t fill and drain as fast as the existing North Tower.

Unlike with existing conditions, the water level between the water tower in Site 2 and the South Tower towers is very similar except during the later-evening high demand hours, when the proposed water tower at Site 2 is filled slightly higher than the South Tower. This is likely occurring because the proposed water tower is 250,000 gallons larger than the South Tower and it takes longer to fill and drain when compared to the South Tower. Altitude valves should not be needed for the water towers as both towers are balanced when filling. No pipe upsizing is needed for this water tower location.

6.1.3 Extended Period Analysis of Site 3

The results of the extended period simulation completed for Site 3 are shown in **Figure B6** in **Appendix B**. As shown in **Figure B6**, the filling and draining balance between the South Tower and the proposed water tower in Site 3 is nearly identical. Both towers fill and drain simultaneously and the water level inside the water towers is very similar. Given the balance between these two towers, altitude valves should not be needed if the proposed tower is constructed at Site 3. In addition to not needing altitude valves, pipe upsizing is also not needed for this proposed site. Constructing the new water tower at Site 3 and removing the North Tower will significantly improve the filling and draining balance compared to existing conditions.

Table 8 summarizes the extended period simulation results as compared to the existing conditions.

Table 8. Summary of Extended Period Simulation Results

Item	Existing	Site 1			Site 2	Site 3
		No Upsizing	10-inch Upsize	12-inch Upsize		
Water Tower Balancing	Adequate	Worst	Worse	Adequate	Better	Best

6.2 Steady State Analysis

Extended period simulations are a valuable tool to study water tower balancing. However, extended period simulations do not provide a snapshot into what the static pressures or the available fire flows might be under MMDs. Due to that, steady state scenarios were created for each proposed tower site to study the impacts of the water tower location on the static pressures and available fire flows throughout North St. Paul's water distribution system.

Similar to the extended period simulations, the existing conditions were also modeled in order to be able to compare the static pressures and available fire flows generated by the proposed tower locations with the existing conditions. The static pressure and available fire flow modeling results for the existing conditions are shown in **Figures C1** and **C2** in **Appendix C**, respectively.

For existing conditions, the static pressures are much higher in the western portion of the distribution system when compared to the eastern portion of the system as the western portion has static pressures ranging from 60 to 80+ pounds per square inch (psi), while the eastern portion has static pressures ranging from 38 to 60 psi. This is because the ground elevations in the western portion of the City are much lower when compared to the eastern parts of the City. Available fire flows are higher in the central portion of the system (where the existing water towers and trunk watermains are located) and decrease towards the periphery of the distribution system due to the smaller pipe sizes and dead ends found in those areas. The available fire flow results shown in **Figure C2** also display the needed fire flow for specific buildings within the City (provided by North St. Pau's fire chief). An analysis was completed to check if the existing system is adequately sized to meet the fire flow needs depicted in the figure. Upon conducting the analysis, it was found that the existing system meets 92 percent of the buildings' fire flow requirements.

The modeling results for the static pressure scenarios of the proposed water tower sites are shown in **Figures C3** through **C5** in **Appendix C**. Upon modeling all scenarios, the proposed water tower locations will not have an impact on the existing static pressures as the towers' overflow elevation would remain the same.

The modeling results for the available fire flows under MDD scenarios are shown in **Figures C6** through **C8** in **Appendix C**. As expected, the water tower location will have an impact on the City's available fire flows since these will increase near the future tower site. Steady state modeling completed for Site 1 (shown in **Figure C6**) indicates that the available fire flows will increase by at least 1,000 gpm in certain portions of the north end of town. This significant increase in available fire flow is not just related to the water tower location but to the 5,300-foot pipe section that must be upsized to 12-inches if the water tower is built in Site 1. Although an increase in available fire flow is achieved, this available fire flow increase is not occurring near the Minnesota Highway 36 corridor, which is where the buildings with the highest fire flow requirements are located. If the water tower is built at Site 1, the City-wide fire flow demand coverage will be reduced by 1 percent to 91 percent.

For Site 2 (shown in **Figure C7**), the change in available fire flow will be almost insignificant when compared to the existing conditions as this tower is being proposed near the City's existing North Tower without watermain upsizing. Since the available fire flows do not change significantly, the fire flow demand coverage is identical between Site 2 and the existing conditions (92 percent). For Site 3 (shown in **Figure C8**), it is expected that the available fire flow will increase near Charles Street and the east portion of the Minnesota Highway 36 corridor. However, this available fire flow increase is not significant as fire flow demand coverage only increases the existing coverage by 2 percent.

As previously described, the location of the proposed water tower will not have significant impacts on North St. Paul's available fire flows. Instead, as seen with Site 1, watermain upsizing will have the biggest impact on the future fire flows. Therefore, strategic pipe upsizing will be required along the Minnesota Highway 36 corridor if the City would like to increase the City-wide fire flow coverage to 100 percent.

Table 9 below depicts a summary of the steady state simulation results as compared to the existing conditions.

Table 9. Summary of Extended Period Simulation Results

Item	Existing	Site 1			Site 2	Site 3
		No Upsizing	10-inch Upsize	12-inch Upsize		
Static Pressures	See footnote 1	N/A	N/A	Same	Same	Same
Available Fire Flow Coverage	Adequate	N/A	N/A	Worse	Same	Better

(1) Higher static pressures were maintained throughout the western portion of the distribution system, while lower static pressures are experienced in the eastern portion of the system due to the higher ground elevations.

7. LIFE CYCLE COST

The 50-year life cycle costs were estimated for the following elevated water storage options: 1) Fluted column water tower and 2) Composite water tower. Life cycle costs included the capital cost to construct the water tower and the estimated maintenance costs over a 50-year period to determine which water tower design and site would provide the greatest long-term financial benefit to the City. Capital costs for the water towers include epoxy/urethane paint with shop applied primers, standard shallow foundations (assumed 4,000 psf net allowable soil bearing capacity at 8' to 10'), standard accessories per AWWA, associated site work, watermain work, and land purchase costs. The cost estimates below do not include drilled pier or pile-supported foundations, corrosion allowance, or shrouding/containment or full field blasting.

Regarding maintenance, it was assumed that all steel surfaces on the water towers would need to be blasted and recoated every 20 years. An inflation rate of 3 percent was applied to the future maintenance. The opinion of probable cost shown in this section of the report include indirect costs applied over the 50-year maintenance cycle. Indirect costs include engineering, legal, and administrative costs associated with the project. These costs were estimated to be 15 percent over the 50-year life cycle assessment.

7.1 Life Cycle Costs of a Fluted Column Water Tower

The estimated 50-year life cycle cost for a 0.75 MG Fluted Column Water Tower constructed in each of the sites is presented in **Table 10**.

Table 10. Estimated 50-Year Life Cycle Cost for a 0.75 MG Fluted Column Water Tower

Item	Quantity	Unit	Unit Cost	Site 1	Site 2	Site 3(3)
0.75 MG Water Tower	1	LS	Varies	$ 2,100,000	$ 2,300,000	$ 2,200,000
Associated Site Work(1)	1	LS	Varies	$ 400,000	$ 300,000	$ 450,000
Land Purchasing(2)	Varies	LS	Varies	$ 135,000	-	$ 898,000
Watermain Removal	5,300	LF	$ 15	$ 79,500	-	-
Watermain Improvements	5,300	LF	$ 75	$ 397,500	-	-
North Tower Removal	1	LS	$ 75,000	$ 75,000	$ 75,000	$ 75,000
Sub-total				$ 3,187,000	$ 2,675,000	$ 3,623,000
Construction Contingency (10%)				$ 318,700	$ 267,500	$ 362,300
Construction Sub-total				**$ 3,505,700**	**$ 2,942,500**	**$ 3,985,300**
50-Year Maintenance				$ 1,511,093	$ 2,245,456	$ 2,019,498
Indirect Costs (15%)				$ 752,519	$ 778,193	$ 900,720
Total Estimated 50-Year Cost				**$ 5,769,000**	**$ 5,966,000**	**$ 6,906,000**

(1) Associated site work includes site grading and the demolition of any existing buildings on the site.
(2) Land purchasing costs were obtained from the Ramsey County Property Tax and Value search engine online. Land purchasing costs include the cost to purchase the land and the cost to purchase any existing buildings that might be on site if the removal of these buildings is required for the construction of the water tower. A minimum of half an acre (approx.150' by 150') is needed to construct a water tower.
(3) Land purchasing costs for Site 3 are considerably higher than Site 1. This is because land value along the Minnesota Highway 36 corridor is more expensive than in other parts of the City. Additionally, the majority of those lots are occupied by existing business. Therefore, in addition to purchasing the land, the City would also have to purchase the existing building inside the lot.

7.2 Life Cycle Costs of a Composite Water Tower

The estimated 50-year life cycle cost for a 0.75 MG Composite Water Tower is presented in **Table 11**.

Table 11. Estimated 50-Year Life Cycle Cost for 0.75 MG Composite Water Tower

Item	Quantity	Unit	Unit Cost	Site 1	Site 2	Site 3(3)
0.75 MG Water Tower	1	LS	Varies	$ 1,750,000	$ 1,900,000	$ 1,850,000
Associated Site Work(1)	1	LS	Varies	$ 400,000	$ 300,000	$ 450,000
Land Purchasing(2)	Varies	LS	Varies	$ 135,000	-	$ 898,000
Watermain Removal	5,300	LF	$ 15	$ 79,500	-	-
Watermain Improvements	5,300	LF	$ 75	$ 397,500	-	-
North Tower Removal	1	LS	$ 75,000	$ 75,000	$ 75,000	$ 75,000
Sub-total				$ 2,837,000	$ 2,275,000	$ 3,273,000
Construction Contingency (10%)				$ 283,700	$ 227,500	$ 327,300
Construction Sub-total				**$ 3,120,700**	**$ 2,502,500**	**$ 3,600,300**
50-Year Maintenance				$ 650,932	$ 967,273	$ 869,938
Indirect Costs (15%)				$ 565,745	$ 520,466	$ 670,536
Total Estimated 50-Year Cost				**$ 4,337,000**	**$ 3,990,000**	**$ 5,141,000**

(1) Associated site work includes site grading and the demolition of any existing buildings on the site.
(2) Land purchasing costs were obtained from the Ramsey County Property Tax and Value search engine online. Land purchasing costs include the cost to purchase the land and the cost to purchase any existing buildings that might be on site if the removal of these buildings is required for the construction of the water tower. A minimum of half an acre (approx.150' by 150') is needed to construct a water tower.
(3) Land purchasing costs for Site 3 are considerably higher than Site 1. This is because land value along the Minnesota Highway 36 corridor is more expensive than in other parts of the City. Additionally, the majority of those lots are occupied by existing business. Therefore, in addition to purchasing the land, the City would also have to purchase the existing building inside the lot.

7.3 Life Cycle Cost Comparison

As shown in **Tables 10** and **11**, composite water towers have the lowest estimated capital cost and the lowest estimated 50-year maintenance costs regardless of the water tower location. Maintenance costs are significantly reduced for composite water towers since they are built with almost two and a half times less steel than fluted column towers for a water tower of the same capacity. Another advantage of a composite water tower is that all workmanship and painting tend to be of better quality and safer since most work is completed at the ground level. Lastly, since the majority of the composite water tower is made from concrete, a local concrete supplier can be used to supply the concrete for the shaft portion of the tower.

8. RECOMMENDATION

It is recommended to construct a 0.75 MG Composite Water Tower in Site 2 and to decommission the existing North Water Tower.

Modeling results indicate that more than one site is adequate to construct a new water tower. More specifically, constructing a water tower at either Site 2 or Site 3 will ensure that the existing available fire flows along the Minnesota Highway 36 corridor will either be maintained or slightly increased without the need of upsizing existing watermain. Additionally, a composite water tower has the lowest estimated capital and 50-year life cycle costs when compared to a fluted column water tower, regardless of its location.

Although the modeling results were very similar between Site 2 and Site 3, Site 2 is recommended over Site 3 since the City already owns land in Tower Park and purchasing land at Site 3 could be costly given its strategic location. Prior to moving forward with the design phase of the water tower, it is recommended to complete a geotechnical analysis and to obtain soil borings from the preferred sites to verify that the soils are suitable to construct the recommended water tower and no above-and-beyond structural requirements (e.g. structural pilings) would be necessary.

APPENDIX A – FIGURES

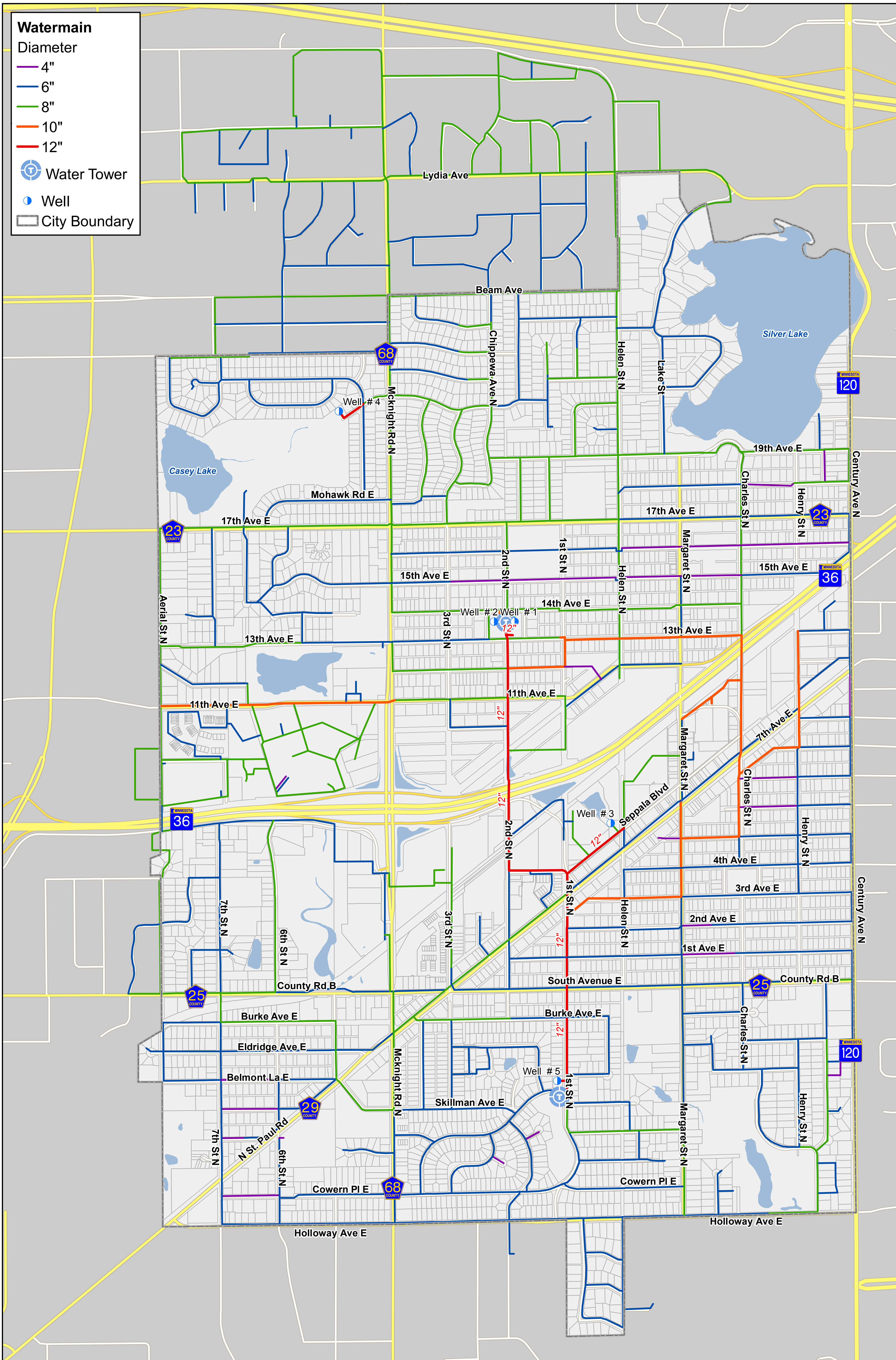

Figure A1 - Existing Water Distribution System
Water Storage Siting Study
North St. Paul, MN

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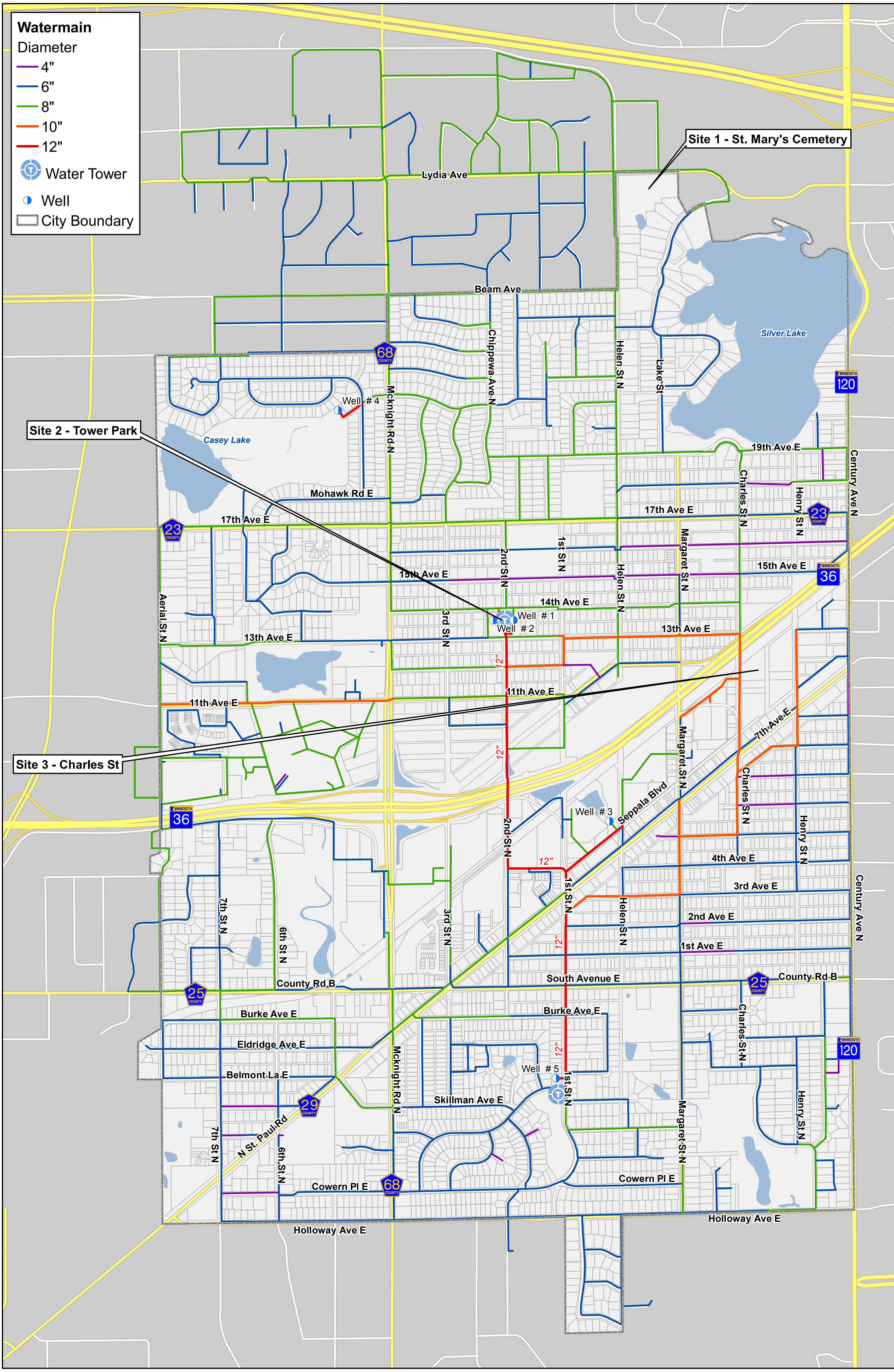

Figure A2 - Porposed Water Storage Sites
Water Storage Siting Study
North St. Paul, MN

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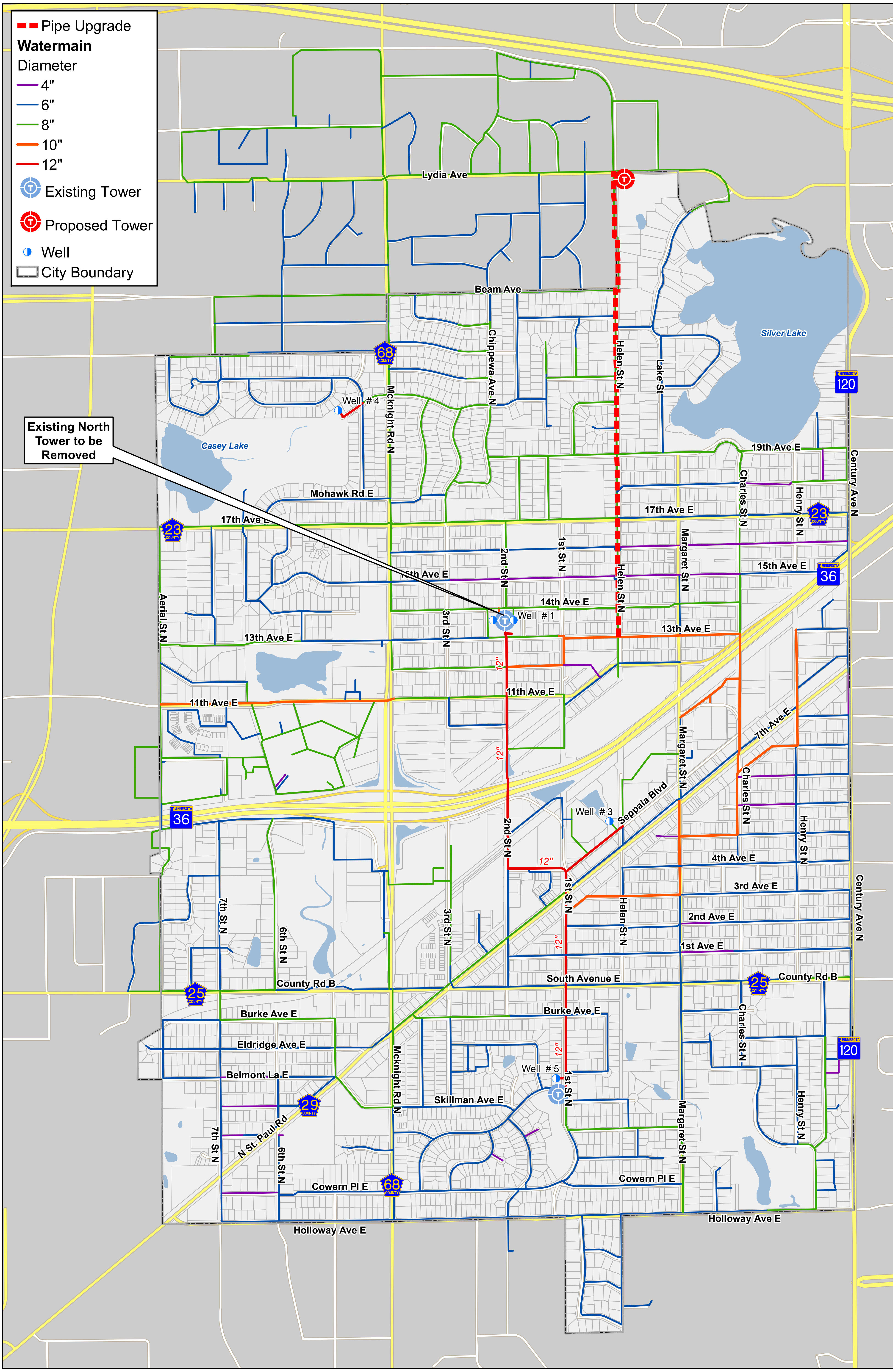

Figure A3 - Site 1 Pipe Section Upgrades
Water Storage Siting Study
North St. Paul, MN

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APPENDIX B – EPS MODELING RESULTS

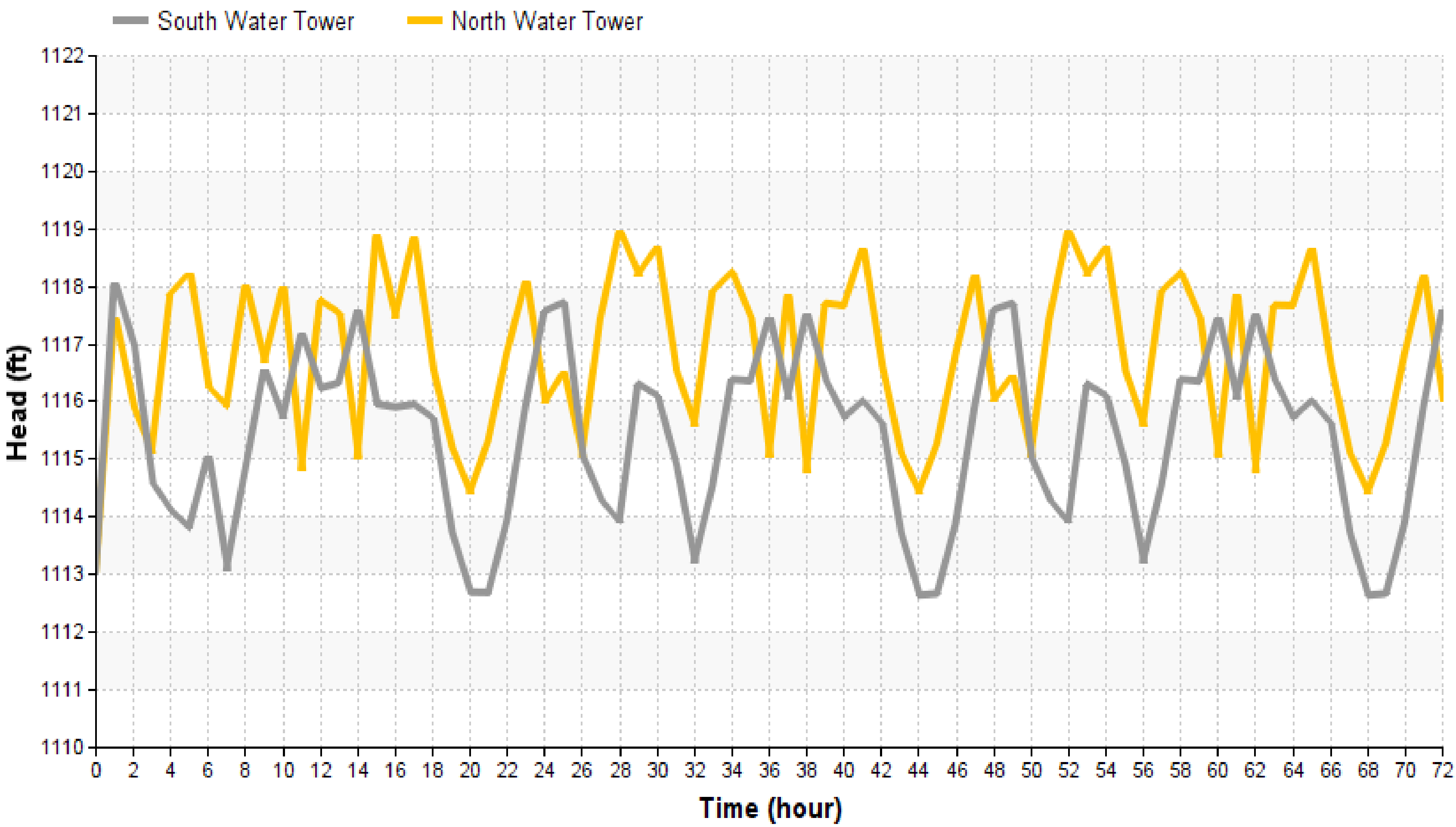

Figure B1. Extended Period Simulation - Existing Conditions

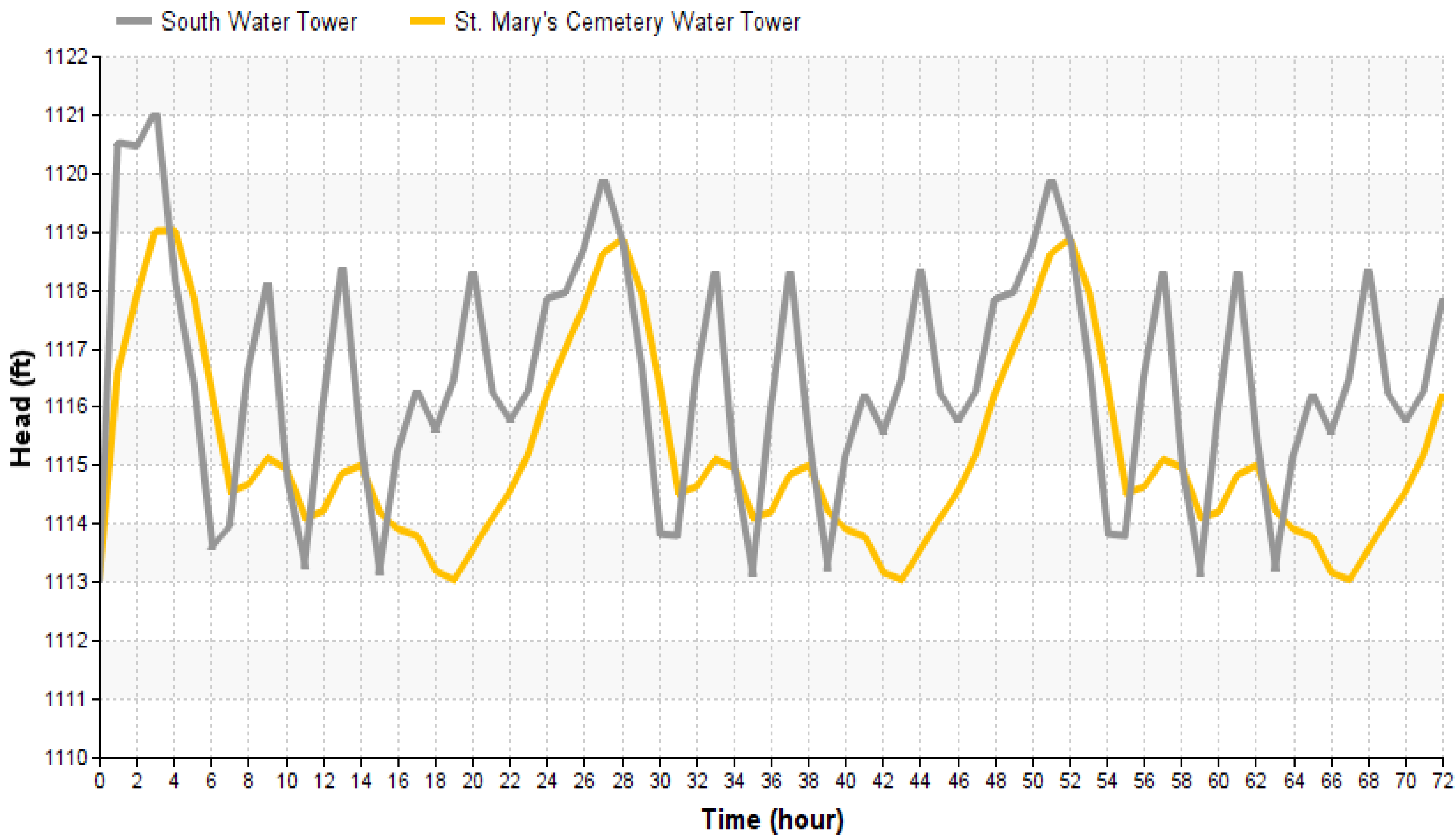

Figure B2. Extended Period Simulation – Site 1 Water Tower (no pipe upgrades)

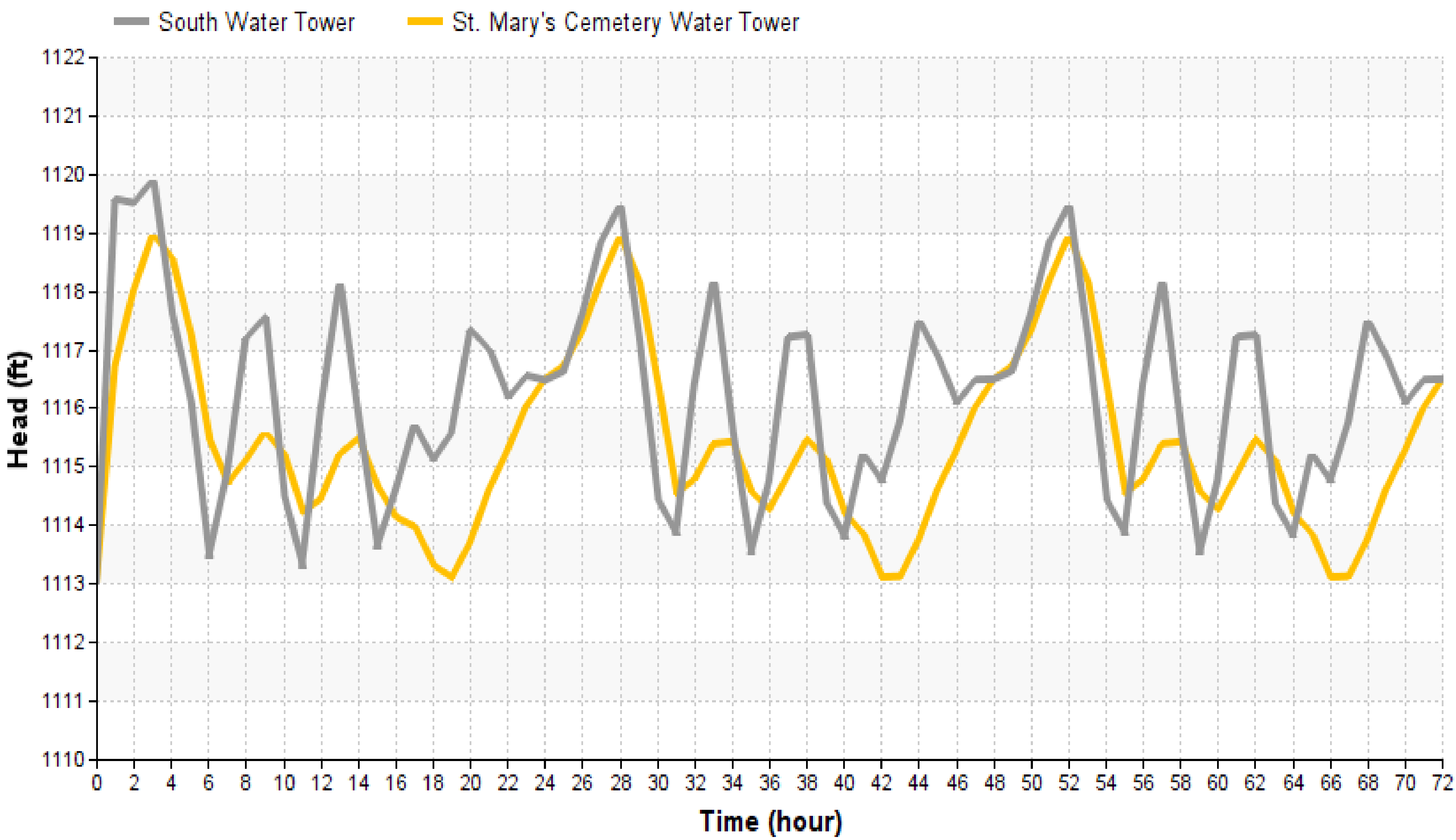

Figure B3. Extended Period Simulation – Site 1 Water Tower (pipe section upgraded to 10 inches)

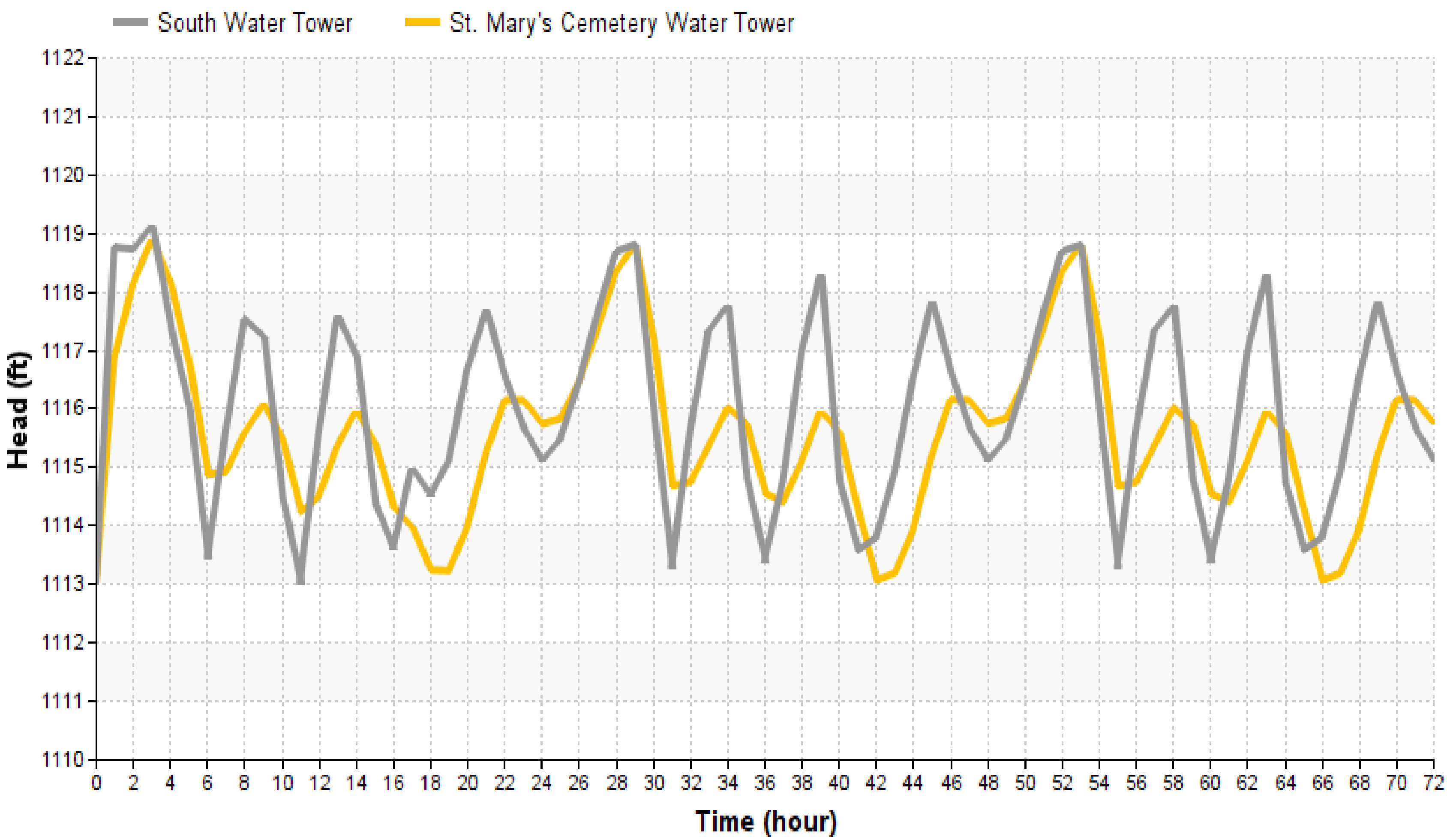

Figure B4. Extended Period Simulation – Site 1 Water Tower (pipe section upgraded to 12 inches)

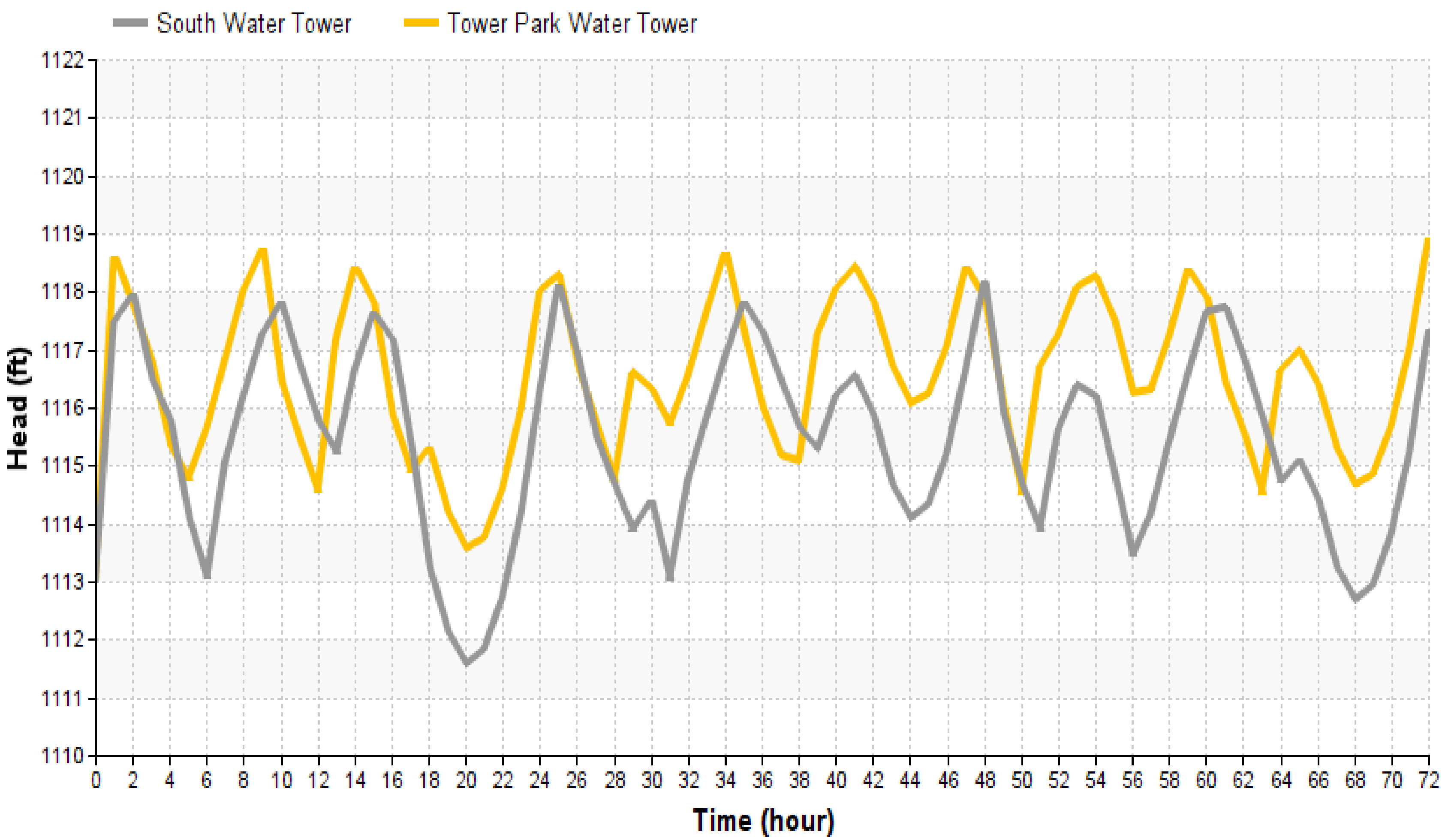

Figure B5. Extended Period Simulation – Site 2 Water Tower

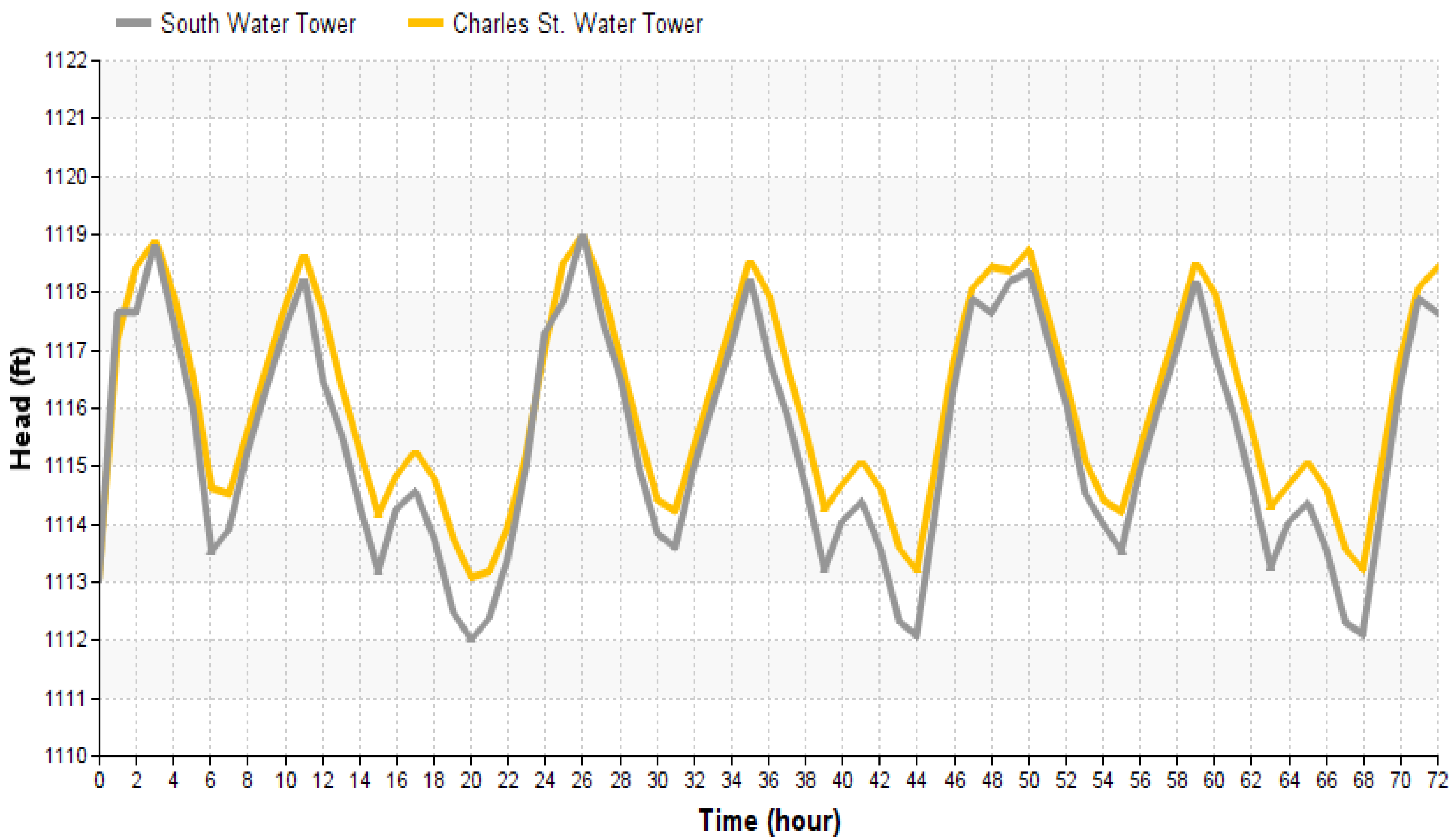

Figure B6. Extended Period Simulation – Site 3 Water Tower

APPENDIX C – STEADY STATE MODELING RESULTS

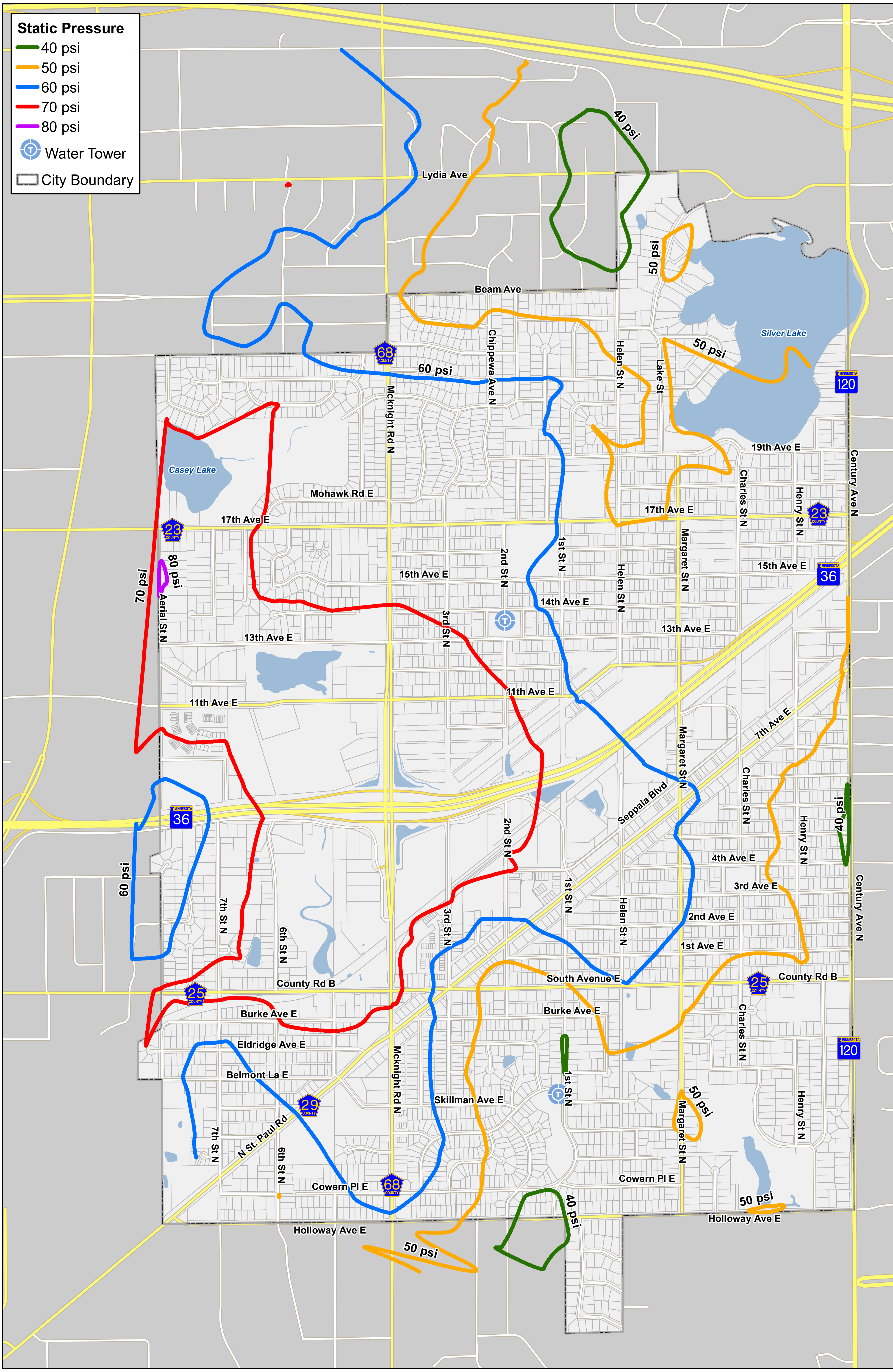

Figure C1 - Existing System Static Pressures
Water Storage Siting Study
North St. Paul, MN

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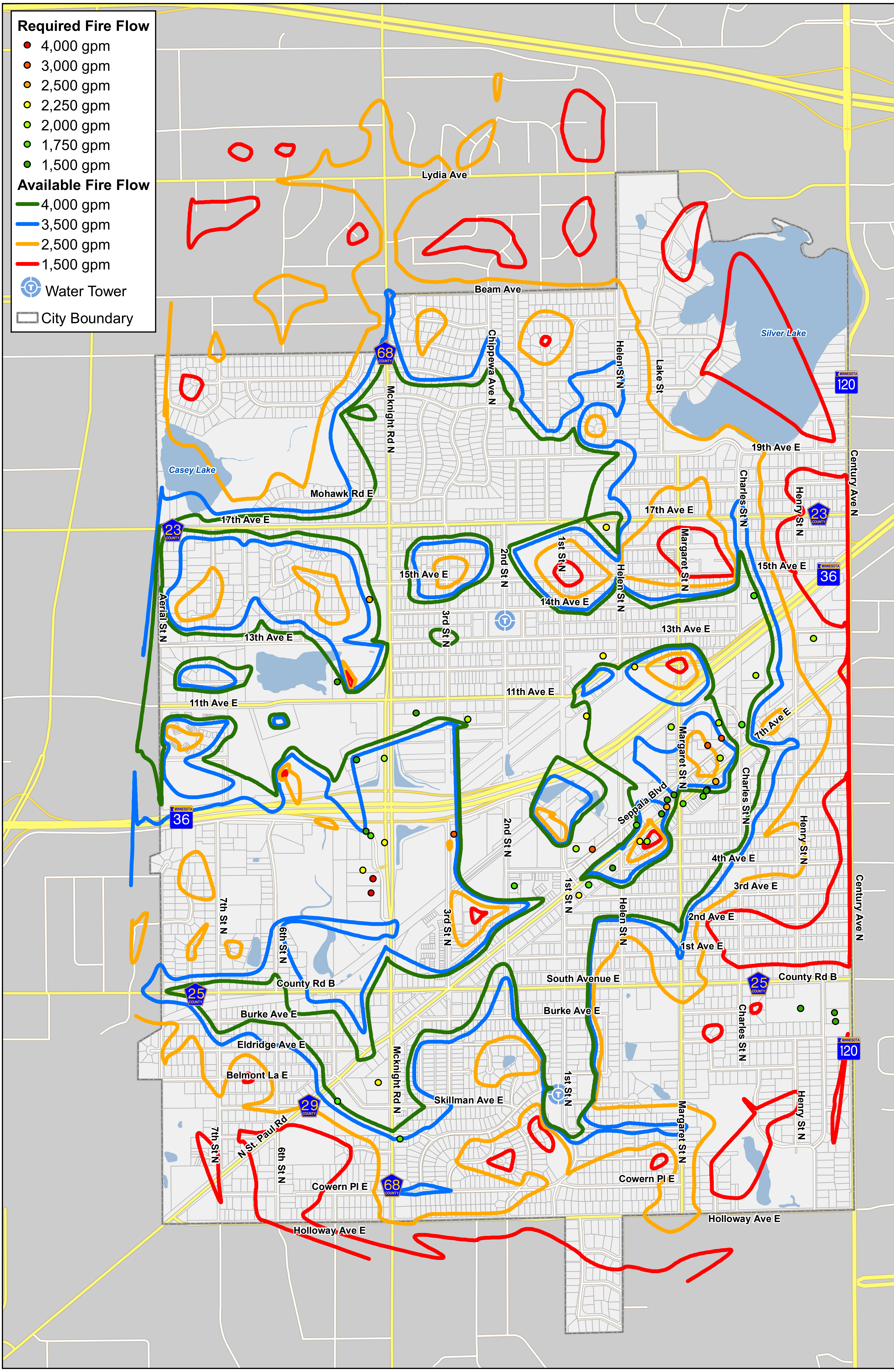

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Figure C2 - Existing System Available Fire Flows
Water Storage Siting Study
North St. Paul, MN

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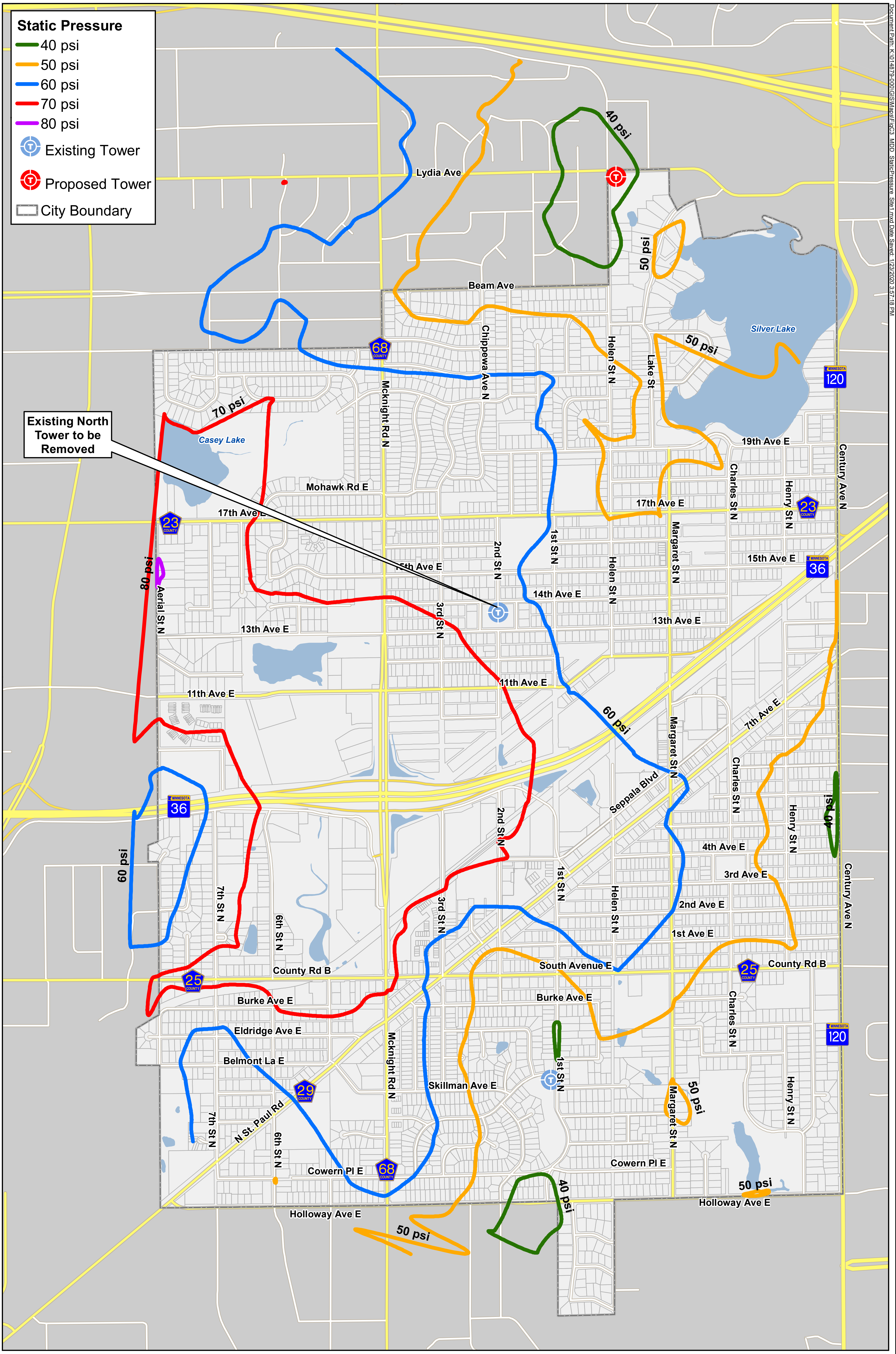

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Figure C3 - Site 1 Static Pressures
Water Storage Siting Study
North St. Paul, MN

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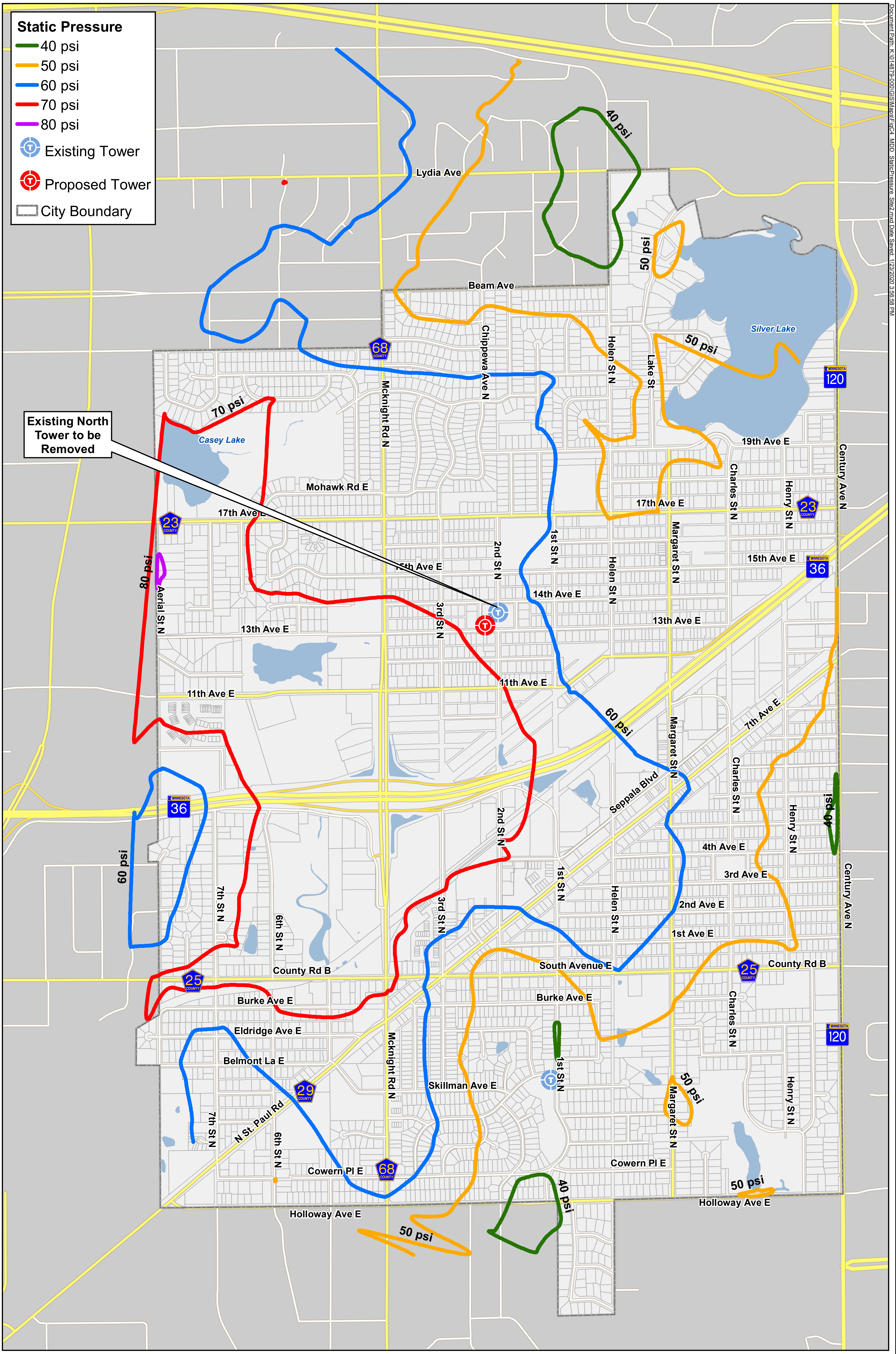

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Figure C4 - Site 2 Static Pressures
Water Storage Siting Study
North St. Paul, MN

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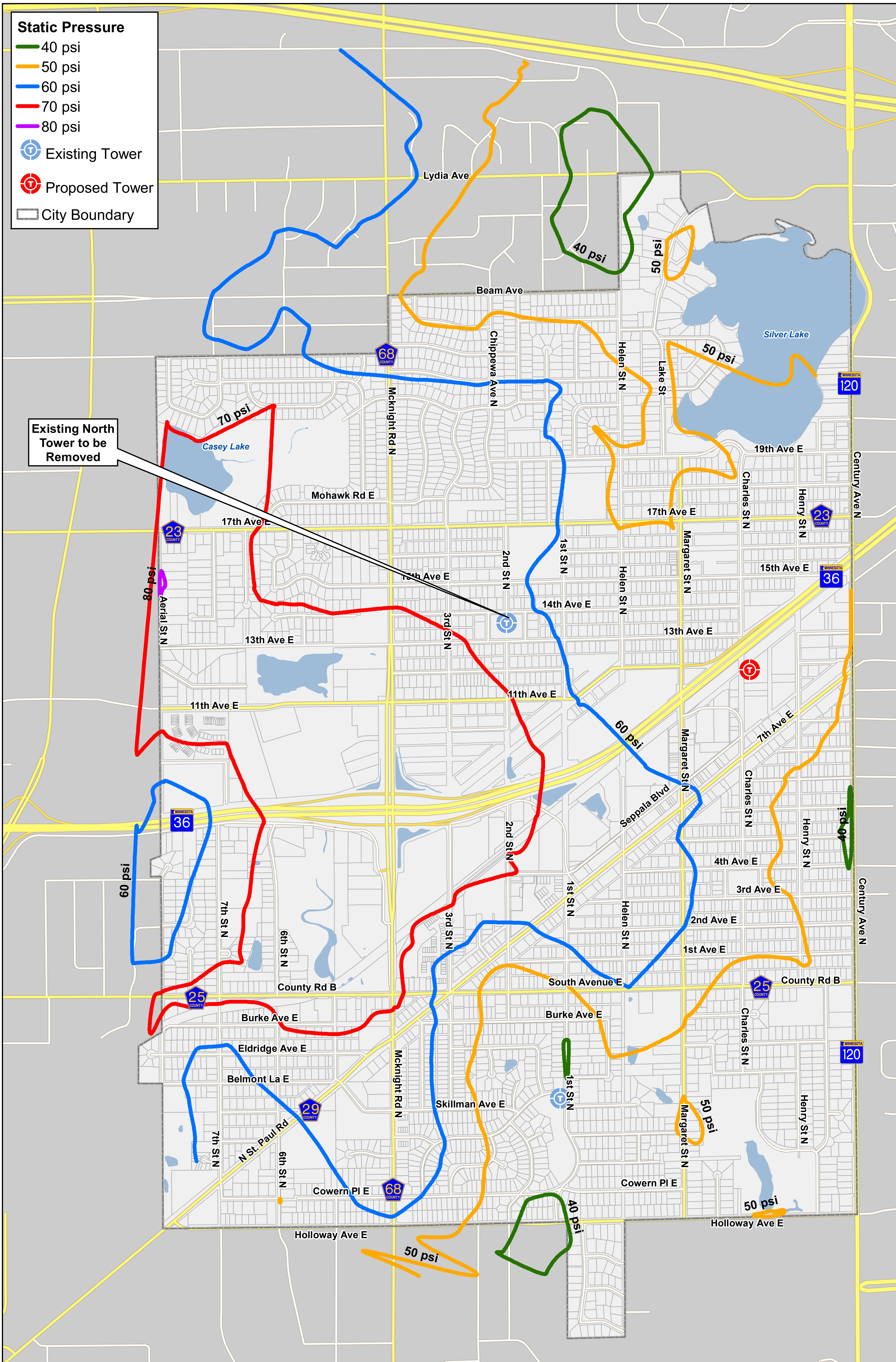

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Figure C5 - Site 3 Static Pressures
Water Storage Siting Study
North St. Paul, MN

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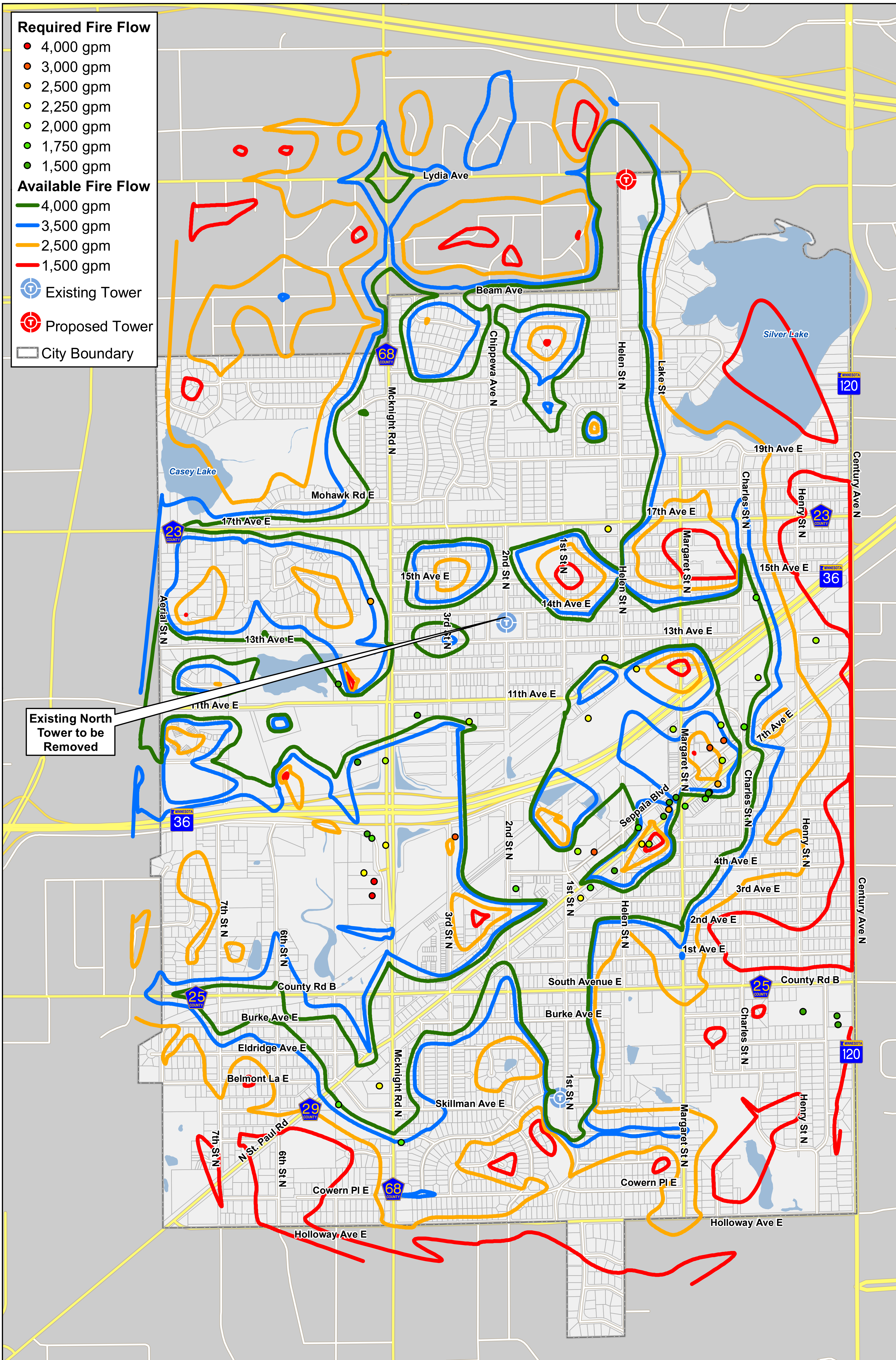

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Figure C6 - Site 1 Available Fire Flows
Water Storage Siting Study
North St. Paul, MN

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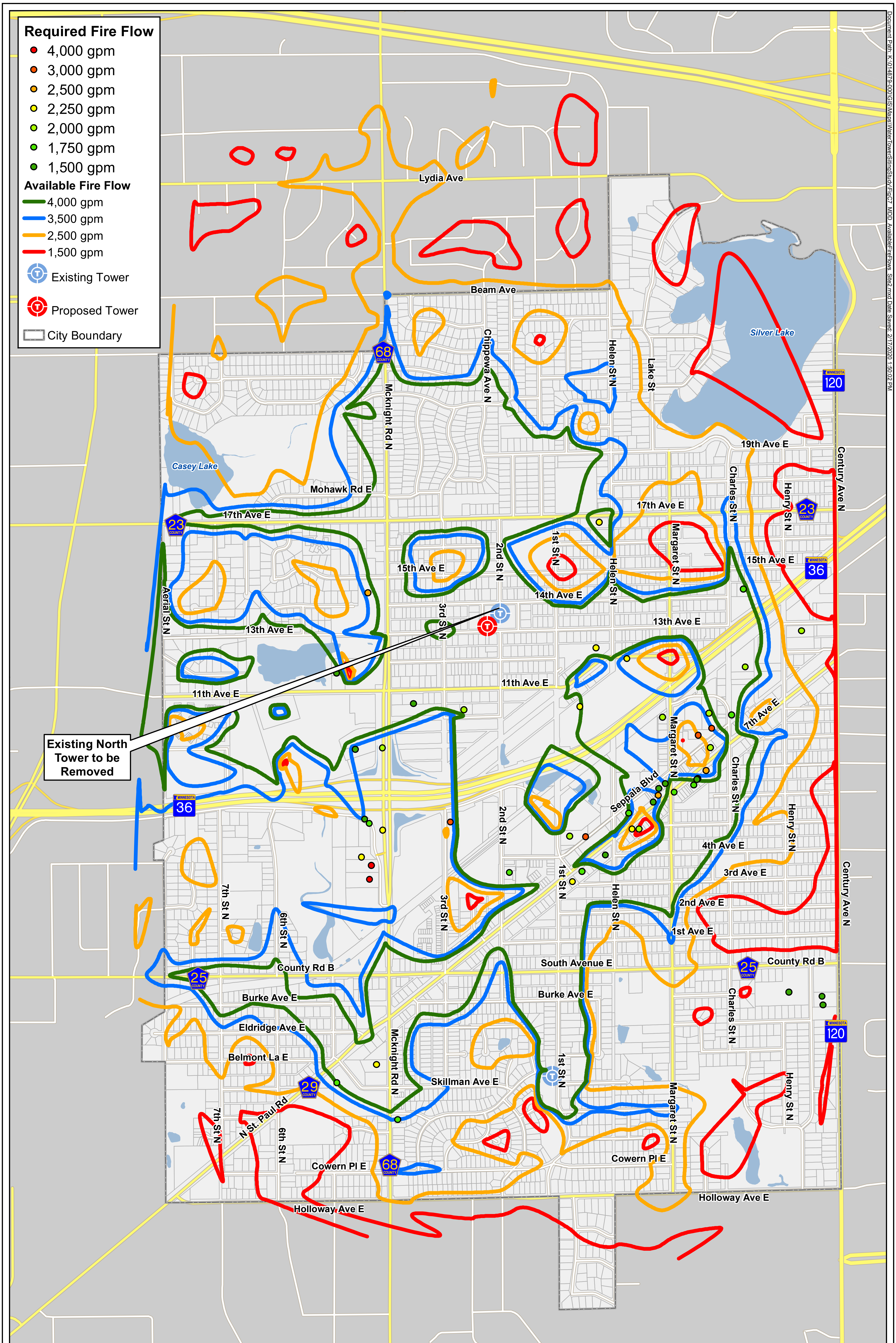

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Figure C7 - Site 2 Available Fire Flows
Water Storage Siting Study
North St. Paul, MN

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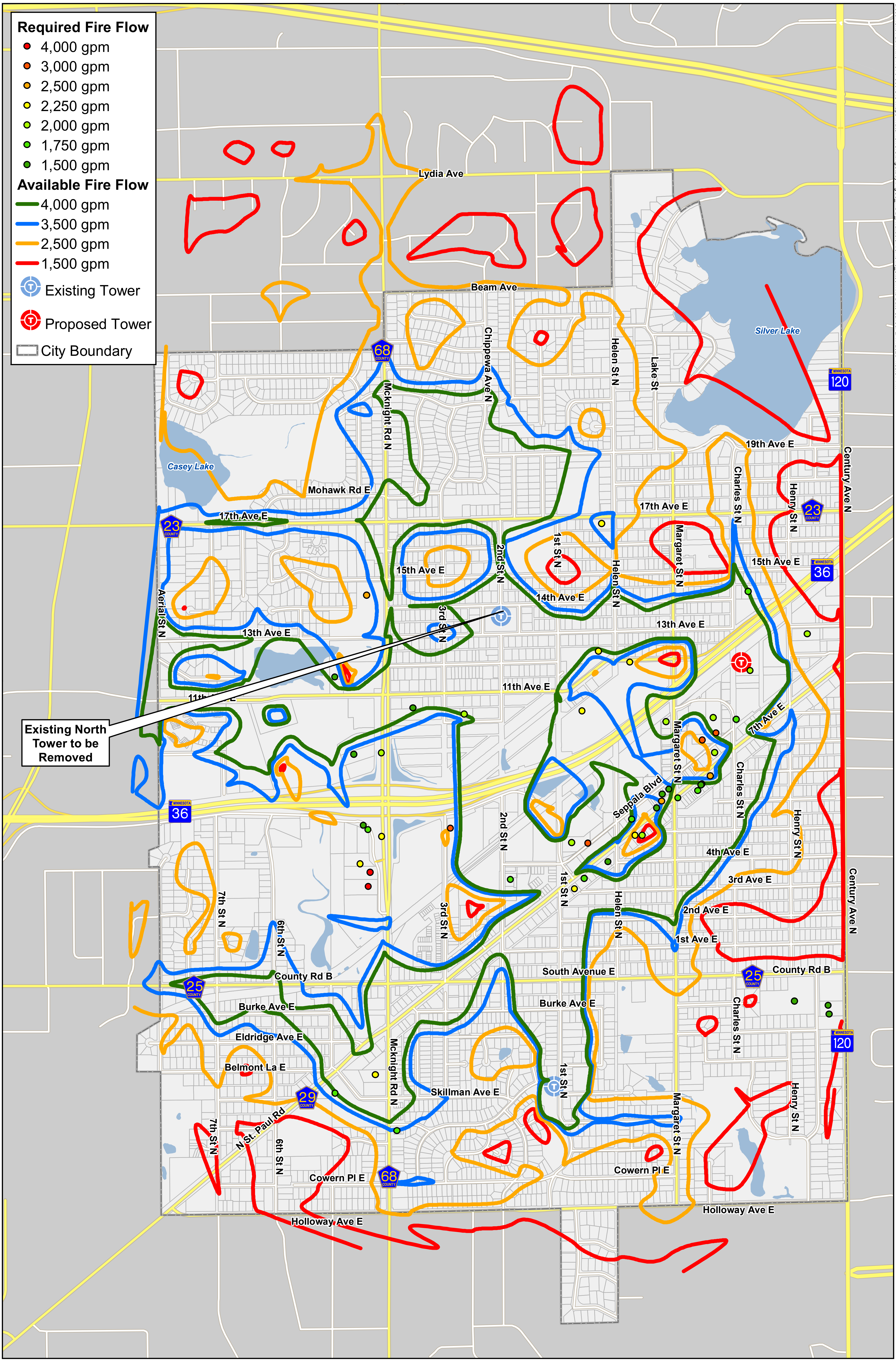

Figure C8 - Site 3 Available Fire Flows
Water Storage Siting Study
North St. Paul, MN

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APPENDIX D – TWO PRESSURE ZONE MODELING MEMO

Introduction

During the kick-off meeting of the North St. Paul's Water Tower Siting Study, City staff discussed the possibility of separating the City's existing water distribution system into two pressure zones to achieve more consistent static water pressures. InfoWater software was used to analyze how the water distribution system could be separated. The City's existing water distribution system is shown in **Figure D1**.

Modeling Approach

The City's existing static pressures are shown in **Figure D2**. Ten States Standards recommend that the normal working pressure in a distribution system be approximately 60 to 80 pounds per square inch (psi), and not less than 35 psi in any location. During emergency conditions, such as high fire demands, pressures should remain above 20 psi. As shown in **Figure D2**, the static pressures are much higher in the western portion of the distribution system when compared to the eastern part of the system. Although the static water pressures are lower in the eastern part of the system, the lowest pressures modeled are in the low 40s psi, which is still higher than the minimum pressure recommended by Ten States Standards (35 psi). In fact, the City's Public Works Department is unaware of static water pressures below 35 psi in the system.

The following plan was developed to increase the static pressures in the east portion of the distribution system while maintaining the static pressures in the west portion of the system the same:

1) Raise the overflow elevation of the existing water towers so that the normal working static pressures are maintained between 60 and 80 psi in the east portion of the system;
2) Install pressure reducing valves (PRVs) and close the necessary gate valves to create two pressure zones within the City (east and west zones);
3) Set the PRVs such that the normal working static pressures in the west portion of the system are maintained below 80 psi; and
4) Use the City's InfoWater model to study the impacts that steps 1 through 3 have on the City's normal working static pressures and available fire flows.

PRVs allow water to flow from one pressure zone to another while regulating the pressure to a predetermined setting as the water flows through the valve. Prior to modeling, it was decided to maintain the North and South Water Towers in the east portion of the system and allow water to flow from the east towards the west by installing PRVs. Theoretically, the City would only need to install one PRV and close the remaining gate valves to isolate the east and west systems and maintain adequate pressures. However, water would only be able to flow from the east system to the west system through a single pipe. In addition to eliminating redundancy, this would generate numerous dead ends which would ultimately reduce the available fire flows and likely decrease the water quality throughout the system. Therefore, several PRVs were placed strategically to allow the water to flow from the east system to the west system through multiple pipes while maintaining the number of PRVs to a minimum.

Figure D3 displays the recommended location of the PRVs and the gate valves that should be closed to operate North St. Paul's water system in two pressure zones. PRVs were located on watermains with 8-inch diameter, except PRV G (6-inch watermain), to maximize the flow of water from one zone to another. **Figure D3** also displays the proposed overflow elevation change of the water towers, the recommended pressure setting of the PRVs, and the downstream hydraulic grade line (HGL) generated from the PRVs' pressure settings.

Results and Discussion

The modeling results of the normal working static pressures for the two-pressure-zone system are shown in **Figure D4**. As shown in **Figure D4**, raising the overflow elevation of the water towers by 21 feet increased the static pressures in the east pressure zone by approximately 9.1 psi. About 1,000 properties would significantly benefit from the increase in static water pressure. The goal of this analysis was to increase the east static pressures by at least 15-20 psi. However, that was not achieved since it was found that increasing the overflow elevation of the water towers in excess of 21 feet caused high pressure issues along 2nd St. N (static pressures over 85 psi). As recommended by the water tower siting study, the City should construct a 0.75 million-gallon (MG) composite water tower in Tower Park and decommission the existing North Tower (0.30 MG) from the system. The static pressures shown in **Figure D4** correspond to the new water tower location. As shown in **Figure D4,** the west static pressures of the two-pressure-zone system remain the same as the existing system due to the use of PRVs.

The modeling results of the available fire flows for the two-pressure-zone system are shown in **Figure D6**. For comparison purposes, the existing available fire flows (single-pressure-zone system) are shown in **Figure D5**. As shown in **Figure D6**, the available fire flows are significantly reduced in the northern portions of the system if the system is split. This is because closing the necessary gate valves to isolate both systems reduces looping and increases dead ends.

According to the American Water Works Association (AWWA), the minimum fire flow available at any given point in a system should not be less than 500 gpm at a residual pressure of 20 psi. This minimum criterion represents the amount of water required to provide for two standard hose streams on a fire in a typical residential area for residential dwellings with spacing greater than 30 feet. The distance between buildings and the corresponding recommended fire flow for residential areas is summarized in **Table D1**.

Table D1 – Recommended Residential Fire Flows

Distance Between Buildings (ft)	Needed Fire Flow (gpm)
More than 30	500
21-30	750
11-20	1,000
Less than 10	1,500

For commercial and industrial buildings, the needed fire flow rate varies considerably, and is based on several characteristics of individual buildings such as:

- Type of construction;
- Type of business within the property (occupancy);
- Proximity and characteristics of nearby properties; and
- Presence or absence of a fire sprinkling system.

Both **Figure D5** and **Figure D6** display the required fire flows for individual commercial buildings throughout the City (provided by North St. Pau's fire chief as part of North St. Paul's 2040 Comprehensive Plan). An analysis was completed to check if the proposed two-pressure-zone system can at least achieve the same fire flow coverage of the commercial buildings when compared to the existing single-pressure-zone system. Upon studying the available fire flow results, it was determined that the two-pressure-zone system achieves the same fire flow coverage when compared to existing conditions (92 percent coverage). This is because the flows along the Minnesota Highway 36 corridor, where the buildings with the highest fire flow requirements are located, remain similar to the existing conditions when the system is split.

It is important to note that there are 28 hydrants located throughout the two-pressure-zone system where the available fire flow drops below 1,000 gpm. Given the distance between the homes near these fire hydrants, their fire flow requirement would be 750 gpm. The average available fire flow of these hydrants was calculated to be 796 gpm. Therefore, the majority of the hydrants throughout the two-pressure-zone system meet the AWWA's recommendations. The existing single-pressure-zone system has 17 hydrants where the available fire flow drops below 1,000 gpm. The average available fire flow at these hydrants is 765 gpm, and none of the hydrants have an available fire flow below 500 gpm.

OPINION OF PROBABLE COST

The estimated capital costs to construct a new 0.75 MG Composite North Water Tower in Tower Park, decommission the existing North Water Tower, raise the South Water Tower, and install 7 PRVs are presented in **Table D2**. Capital costs for the new water tower construction include epoxy/urethane paint with shop applied primers, standard shallow foundations (assumed 4,000 psf net allowable soil bearing capacity at 8' to 10'), standard accessories per AWWA, water tower material and height, associated site work, watermain work needed, and land purchasing. Capital costs to raise the existing South Water Tower include drawings, materials, fabrication, construction, and painting the new extension. PRVs can be installed underground or above ground. Underground PRVs require a manhole vault to house the necessary valves so they can be accessed for maintenance. Above ground installation allows for the construction of a small building that houses all the valves and the necessary electrical upgrades. A cost range is shown for the PRVs in **Table D2** to reflect this level of customization. The cost estimate below does not include drilled pier or pile-supported foundations, corrosion allowance, shrouding/containment or full field blasting for the construction of the new composite water tower in Tower Park.

Table D2. Opinion of Probable Cost

Item	Quantity	Unit	Unit Cost	Low Range	High Range
0.75 MG Composite Water Tower	1	LS	Varies	$ 1,970,000	$ 1,970,000
Existing North Tower Removal	1	LS	$ 75,000	$ 75,000	$ 75,000
Elevate South Water Tower	1	LS	$ 425,000	$ 425,000	$ 425,000
Associated Site Work	1	LS	$ 450,000	$ 450,000	$ 450,000
Pressure Reducing Valve Station	7	EACH	$ 250,000 - $400,000	$ 1,750,000	$ 2,800,000
Sub-total				$ 4,670,000	$ 5,720,000
Construction Contingency (10%)				$ 467,000	$ 572,000
Construction Sub-total				**$ 5,137,000**	**$ 6,292,000**
Indirect Costs (15%)				$ 700,500	$ 858,000
Total Estimated 50-Year Cost				**$ 5,838,000**	**$ 7,150,000**

The probable cost to convert the existing single-pressure-zone system into a two-pressure-zone system is $5,838,000 - $7,150,000. This range of probable cost does not include land purchase costs that may be needed for the installation of the PRVs should they need to be installed outside of the right-of-way.

RECOMMENDATION

It is recommended to continue to operate the system in a single pressure zone.

Although it is possible to increase the normal working static pressures of the east portion of the City's system if operated in a two-pressure-zone fashion, the pressure increase is limited to only 9.1 psi. Therefore, splitting the system would not significantly increase the existing static water pressures for the capital investment that would be required.

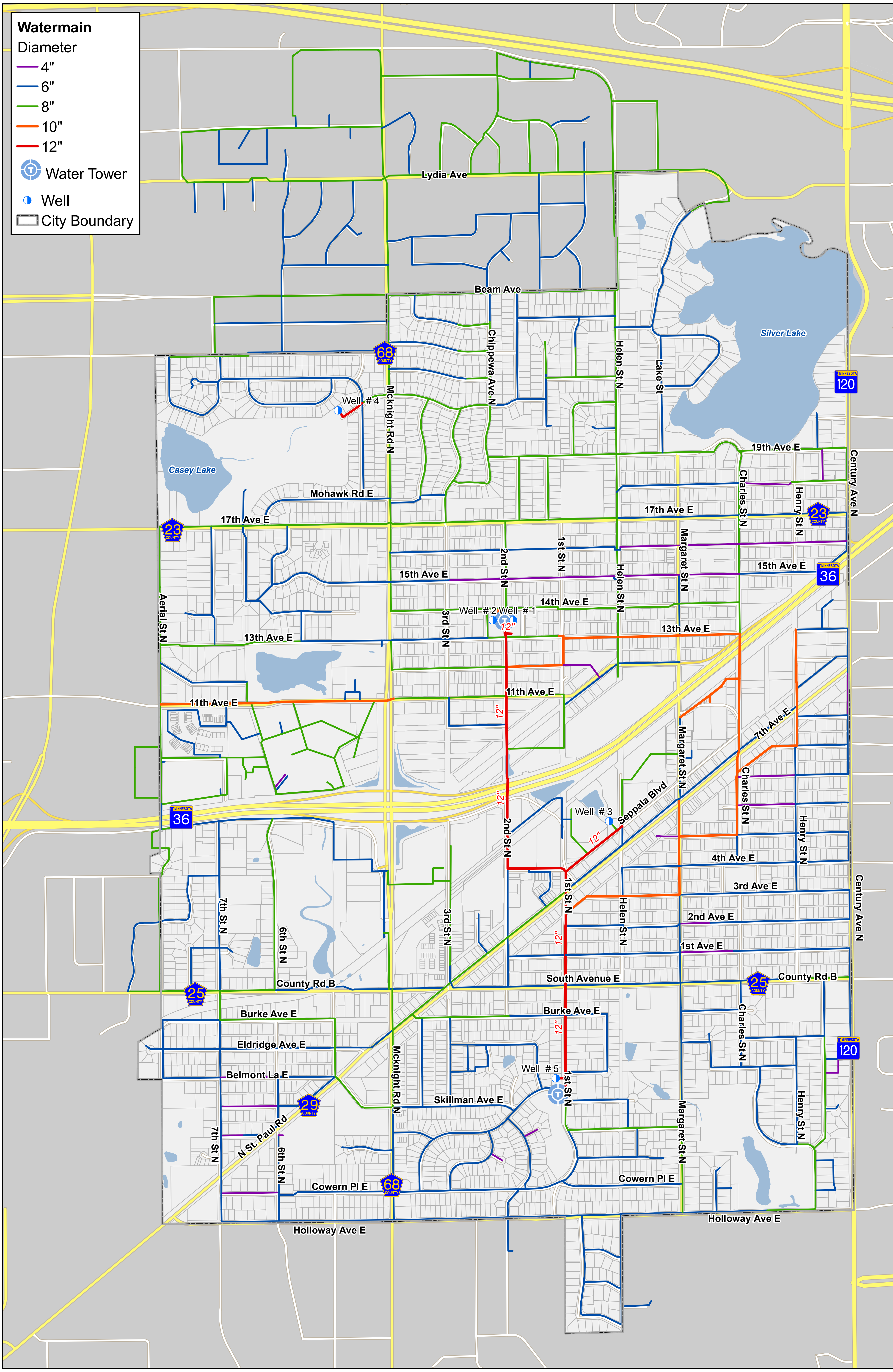


Figure D1 - Existing Water Distribution System
Two Pressure Zone Water System Modeling
North St. Paul, MN

NORTH ST. PAUL
extraordinary.

N

0 1,000 Feet

wsb

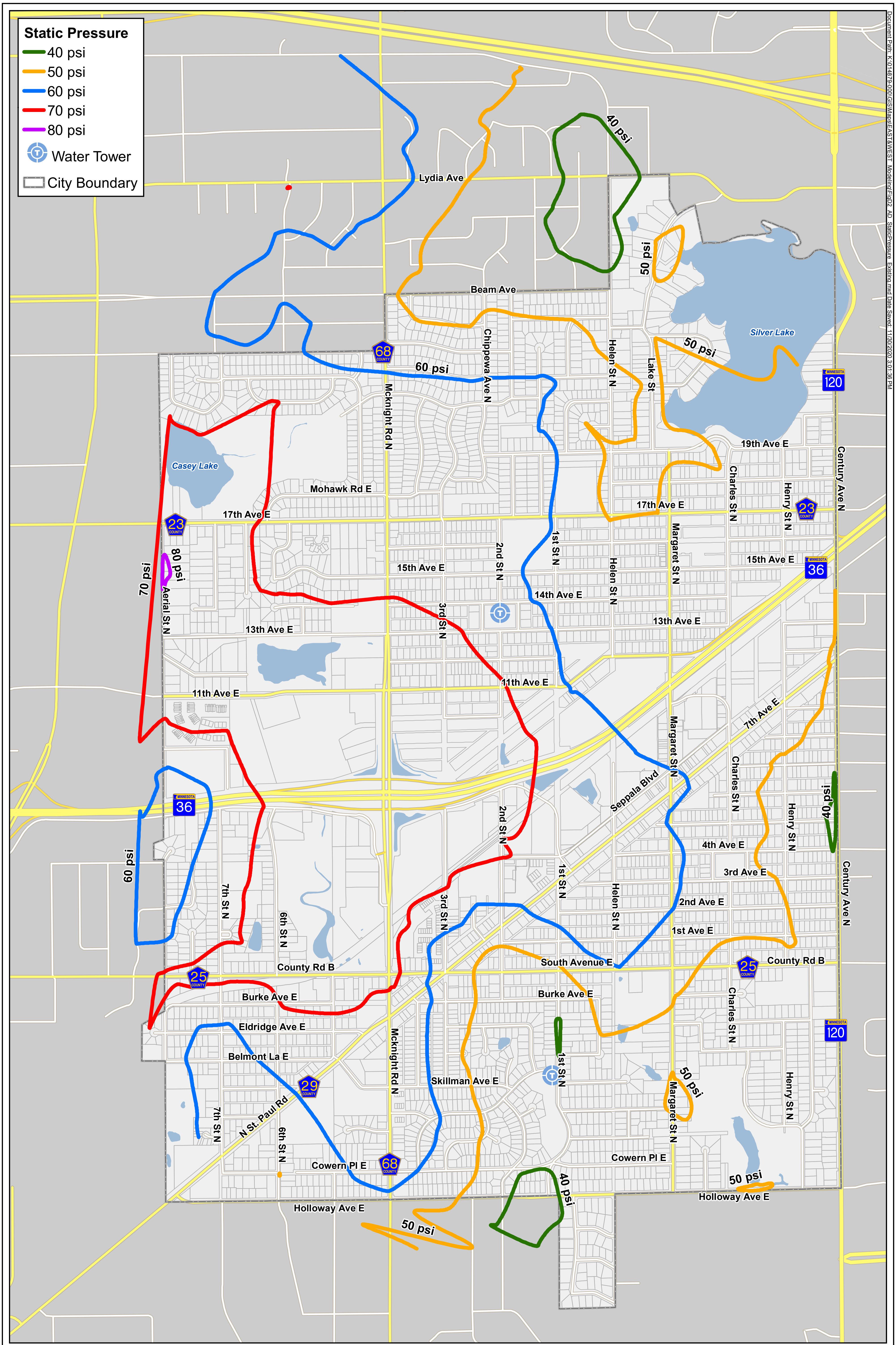


Figure D2 - Existing System Static Pressures
Two Pressure Zone Water System Modeling
North St. Paul, MN

NORTH ST. PAUL
extraordinary.

wsb

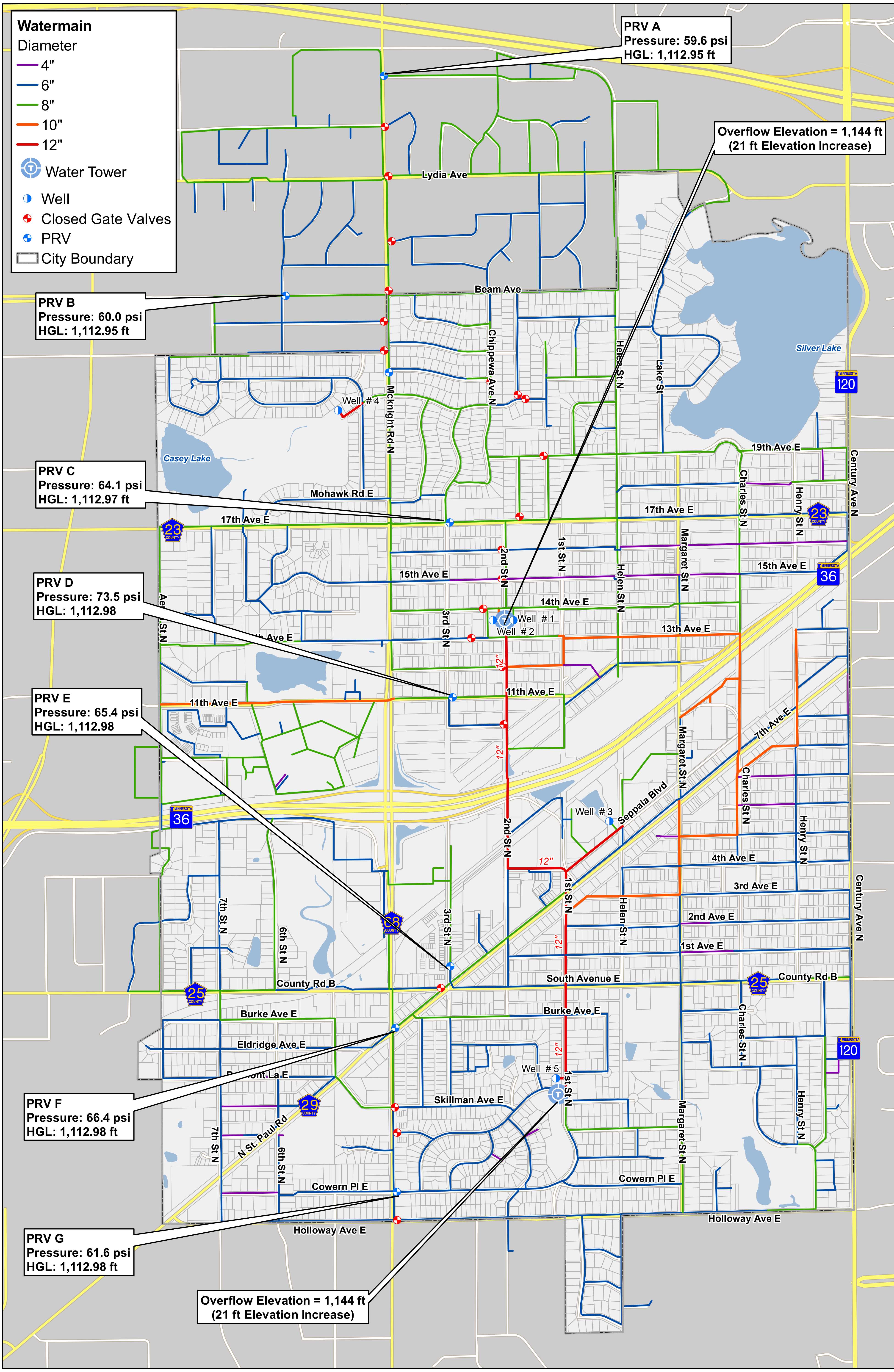


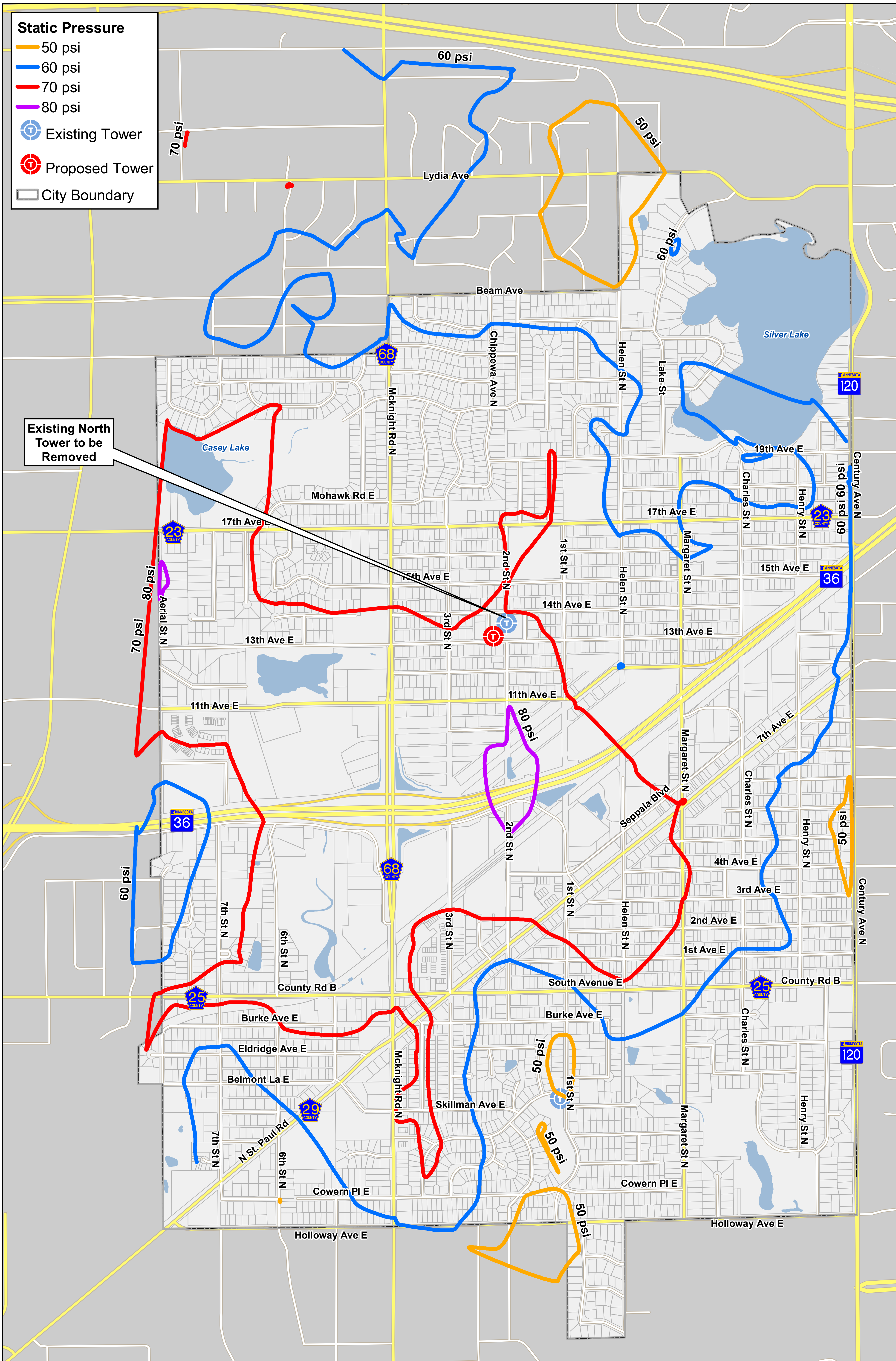
Figure D3 - Changes to Distribution System
Two Pressure Zone Water System Modeling
North St. Paul, MN

NORTH ST. PAUL *extraordinary.*

N

0 1,000 Feet

wsb



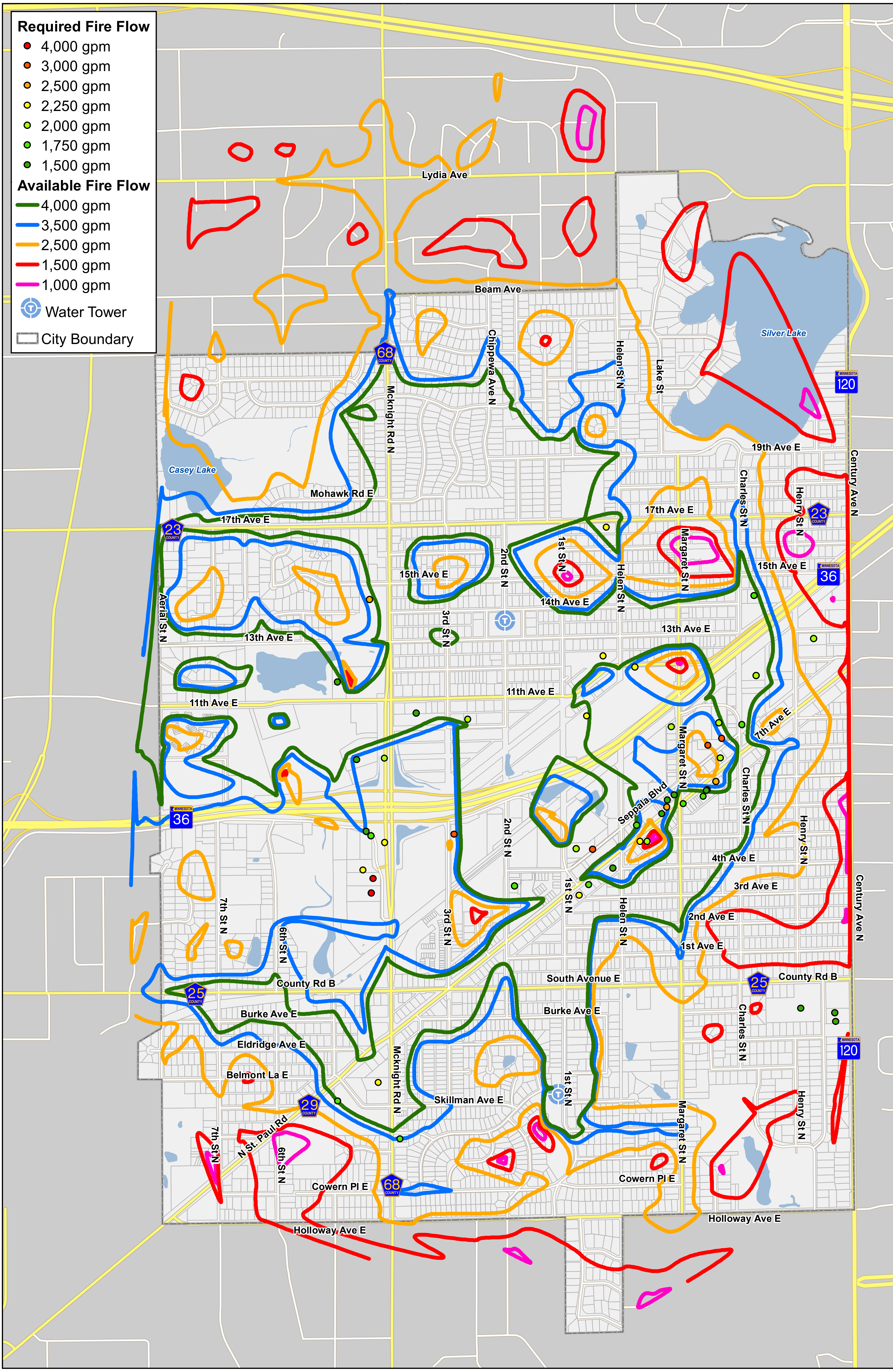
NORTH ST. PAUL
extraordinary.

Figure D4 - Two Pressure Zone Static Pressures
Two Pressure Zone Water System Modeling
North St. Paul, MN

N

0 1,000 Feet

wsb



NORTH ST. PAUL
extraordinary.

Figure D5 - Existing System Available Fire Flows
Two Pressure Zone Water System Modeling
North St. Paul, MN

N

0 1,000 Feet

wsb

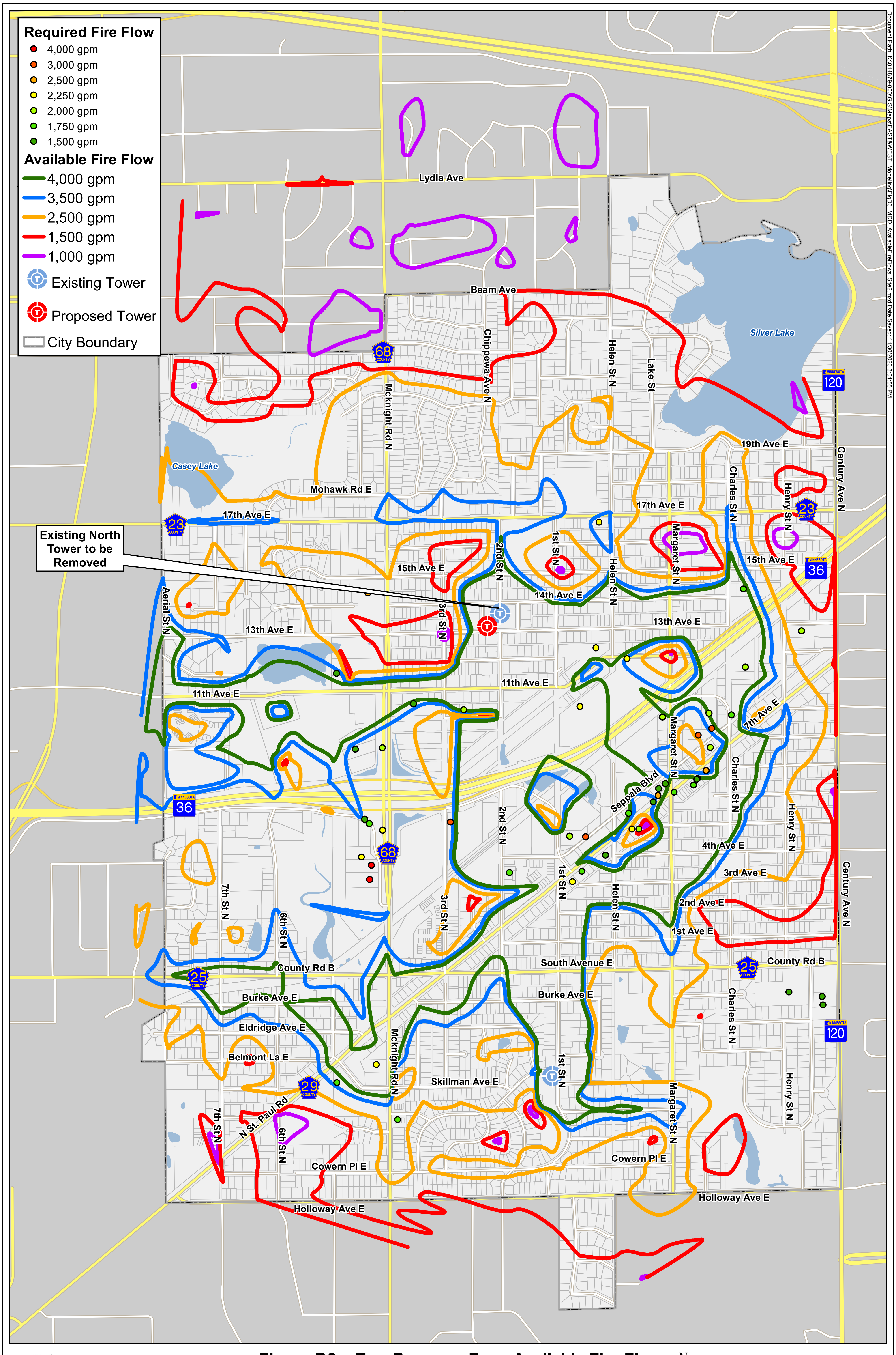


Figure D6 - Two Pressure Zone Available Fire Flows
Two Pressure Zone Water System Modeling
North St. Paul, MN

NORTH ST. PAUL
extraordinary.

0 1,000 Feet

wsb

NORTH ST. PAUL
extraordinary.

Agenda Information Memorandum

To	Date
Honorable Mayor Furlong and City Council	December 7, 2021

Agenda Placement # IV.B

Topic(s)

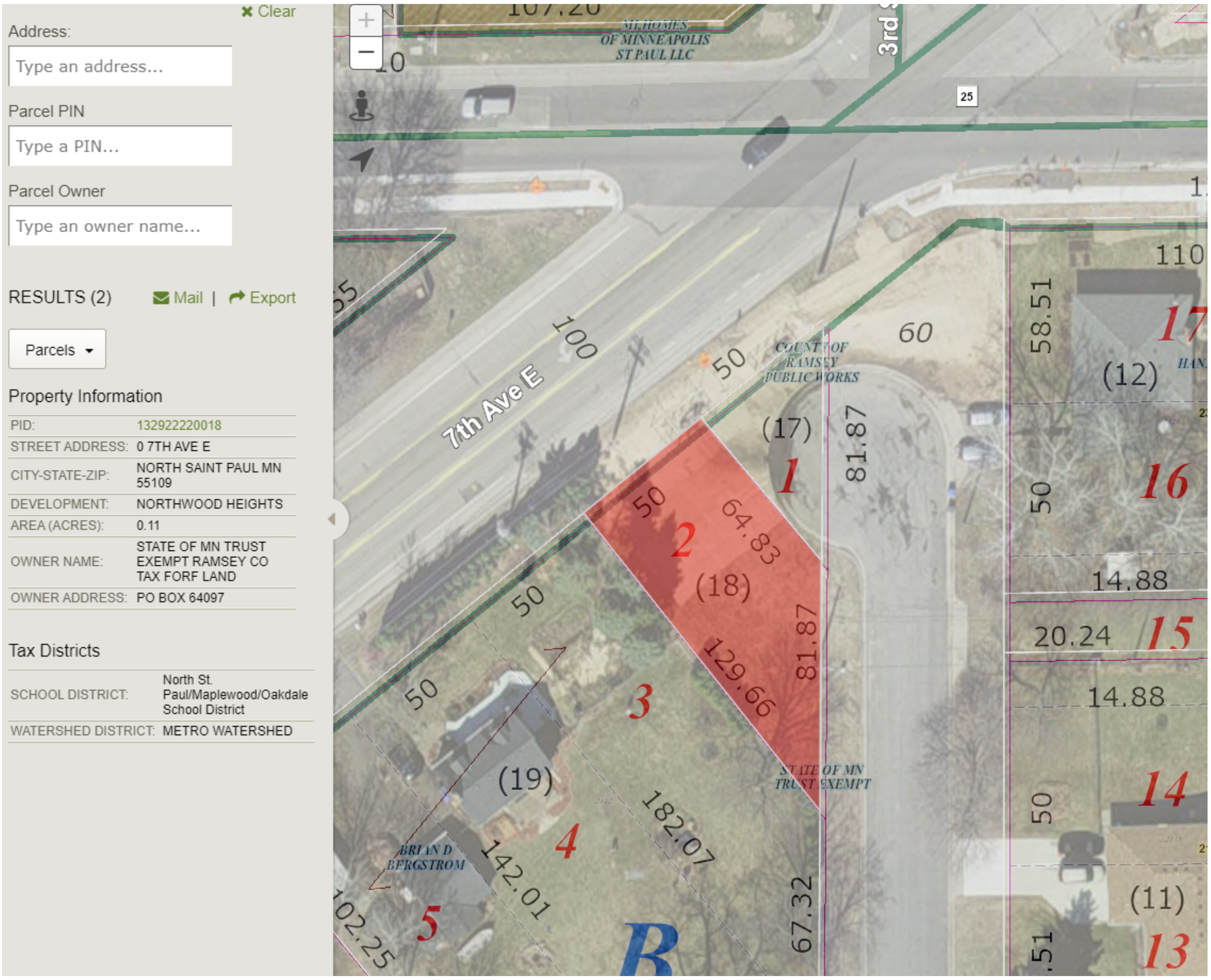
Subject

Tax Forfeit Parcel

Background/Facts

Ramsey County contacted city staff regarding the parcel illustrated and highlighted below (Lot 2), stating that it is available to Ramsey County as an adjacent landowner (they own the triangle parcel to the northeast – Lot 1 – that part of North St. Paul city street 3rd Street cul-de-sac lies on) as a tax forfeit parcel that can be bid on first by adjacent landowners prior to going to a public auction.

Ramsey County is aware through past discussions that there is a planned concept roundabout at this intersection of South Avenue/7th Avenue/3rd Street, and so wanted to inquire as to whether North St. Paul might be interested in partnering/participating in trying to acquire the parcel. Knowing that there is also a significant amount of Xcel Gas infrastructure in this location, having this parcel would open some future flexibility, whether it be for the relocation of utilities, or for a portion of the roundabout itself in this area. Staff does agree with Ramsey County and, as a timely opportunity, would recommend that this be something that the city considers pursuing. Ramsey County staff is currently checking on procedures, and bids must be submitted on December 8, 2021.



Recommendation:

No formal action is necessary. Feedback and staff direction.

Attachments

None

Respectfully submitted,
Morgan Dawley, City Engineer

NORTH ST. PAUL
extraordinary.

Agenda Information Memorandum

To	Date
Honorable Mayor Furlong and City Council	December 7, 2021

Agenda Placement # IV.C

Topic(s)

Subject

2022 Municipal Fee Schedule and Utility Rate Schedule

Background/Facts

The City Council establishes a fee and rate schedule for the various permits, licenses and services provided by the City of North St. Paul. Annually City Staff review the City's fees and charges for services and makes recommendations for adjustments as necessary.

It is proposed to adopt the Fee Schedule and Utility Rate Schedule with increases. There have been no increases for the past four years.

Recommendation:

Attachments

1. Proposed 2022 Municipal and Utility Fee Schedule - FINAL

Respectfully submitted,

2022 Municipal Fee Schedule and Utility Rates

CITY OF NORTH ST. PAUL, MINNESOTA

extraordinary.

DRAFT
DECEMBER 3, 2021

Table of Contents

MUNICIPAL LICENSES, PERMITS & OTHER FEES

UTILITY RATES

ANIMAL FEES

95.02	Dangerous / Potentially Dangerous Animal		2022
		Annual Registration	$450.00
95.41	Animal Impound Fees		2022
		Cat	Actual Cost
		Dog	Actual Cost
	Other Animal Fees		2022
		Technology Fee	$15~~0~~.00
		Daily Boarding	Actual Costs
		Euthanasia	Actual Costs
		Cremation	Actual Costs
		Disposal (not euthanized)	Actual Costs
		Veterinary Services	Actual Costs

BUILDING PERMITS

	Electric Permit			2022
		Change Panel in Same Location		$110.00
			Sub Panel	$45.00
		Service/Power Supply	0-300 ampere	$55.00
			400 ampere	$65.00
		Add for each additional 100 amp		$16.00
		Feeders/Circuits	0-100 amps	$9.00
			101-200 amps	$15.00
			201-300 amps	$21.00
			301-400 amps	$27.00
			401-500 amps	$33.00
		Transformers and Generators	Up To 10KVA	$5.00
			11KVA to 75KVA	$40.00
			76KVA to 299 KVA	$60.00
			over 299KVA	$165.00
		Accessory Structure	Per Structure	$55.00
				+ Circuit Fees
	Addition, Remodel or Basement Finish			$88.00
		Apartment Buildings	Per Unit	$80.00
		Retro fit Lighting	Per Fixture	$0.85
		Traffic Signals	Per Standard	$8.00
		Street Lights and Lot Lights	Per Pole	$5.00
		Transformers	Each	$9.00
		Remote Control or Signal Wiring	Per Device	$0.85
		Swimming Pools (per trip + circuit fee)		$90.00
		Circuits each		$9.00
			Re-inspection Fee	$45.00
			Minimum Fee	$45.00
		Special Inspection / Services		$80.00/hr.
		Inspection of Transient Projects *Power Supply *Rides, Devices or Concessions		 $90.00 $45.00/unit
	Single Family Dwelling or Townhouse not over 200 amps Maximum Fee			$190.00
	Separate / Reinspection Inspection			$45.00
	Double fee for work stated without permit:			
	Solar fees:			
	0kw to 5kw			$90.00
	5.1kw to 10kw			$150.00
	10.1 kw to 20kw			$225.00
	20.1kw to 30kw			$300.00
	30.1kw to 40kw			$375.00
	40.1kw and larger (add $25.00 for each additional 10kw)			$375.00
	Refunds request must be in writing – minus city handling fee 20%			

BUILDING PERMITS

	Note: No refunds issued for permits under $45 before the technology fee is applied			
	Electronic inspections select items pre-approval			40.00
The fee is the larger of fees above or number of inspection trips multiplied by trip fee.				2022
			Trip Fee	$45.00
		Add the following to all permits:		
			State Surcharge	$1.00
			Technology Fee	$15~~0~~.00

BUILDING PERMITS

Right-of-Way Permit				2022
			Minimum	$80.00
		Add the following where applicable:		
		Per Additional Excavation	Paved Area	$30.00
		Per Additional Excavation	Unpaved Area	$15.00
	Underground Utility or Telecom/Boring or Tunneling		Per LF	$0.40
	Underground Utility ore Telecom/Open Trench		Per LF	$0.55
		Overhead Utility/Telecom	Per LF	$0.05
		Add the following to all permits:		
			Technology Fee	$15~~0~~.00
Temporary Membrane Structure Permit				2022
				$105.00
Trenching (Commercial Plumbing and Utility Permit)				2022
			Base Fee	$95.00
		Inspection Fee	Valuation X	$0.0125
		Remote Water Reader	If Applicable	$14~~3~~0.00
		As-Built Deposit	If Applicable	$250.00
		Add the following to all permits:		
		State Surcharge	Valuation X	$0.0005
			Technology Fee	$15~~0~~.00
Underground Storage Tank Installation Permit				2022
				$210.00
Underground Storage Tank Removal Permit				2022
				$140.00

Residential Fees
(For permits that are issued over-the-counter and have flat-rate fees)

*(Definition of residential: **IRC-1 Single Family Dwelling**: Any building that contains one dwelling unit used, intended, or designed to be built, used, rented, leased, let, or hired out to be occupied, or occupied for living purposes. **IRC-2 Two-Family Dwelling**: Any building that contains two separate dwelling units with separation either horizontal or vertical on one lot used, intended, or designed to be built, used, rented, leased, let, or hired out to be occupied, or occupied for living purposes. **IRC-3 – Townhouse**: Definition: A single-family dwelling unit constructed in a group of two or more attached units in which each unit extends from the foundation to the roof and having open space on at least two sides of each unit. Each single-family dwelling unit shall be considered to be a separate building. Separate building service utilities shall be provided to each single-family dwelling unit when required by other chapters of the State Building Code. **IRC-4 Accessory Structure**: Definition: A structure not greater than 3000 ft. in floor area, and not over two stories in height, the use of which is customarily accessory to and incidental to that of the dwelling(s) and which is located on the same lot.*

BUILDING PERMITS

Maintenance Permit Fees				2022
Re-Roof, Re-Side, Re-Door/Garage Door, Re-Window (if replacing in the existing opening) are valuation based permits (see valuation-based fees on page 5).				
Zoning Permits (Inspections will be done by City Staff, No State Surcharge)				2022
			Shed (under 200 sq. ft)	$65~~0~~.00
			Driveway	$65.00
			Fence (under 7’ in height)	$65~~0~~.00
			Retaining Wall (under 4’ in height)	$65~~0~~.00
(Sheds over 200 ft, Fences over 7’ in height and retaining walls over 4’ in height require building permits submitted for plan review and are based on valuation)				

Plumbing Permits				2022
			Base fee	$50.00
			Per Fixture Fee	$12.00
(Includes each of any of the following: Floor Drains, New Toilets, Bidets, New Sinks, Hose Bibs, Laundry, Dishwasher, or Refrigerator connections, Water Heater, Whole-house Humidifier, Water Softener, Lawn Irrigation System, Shower, Tub, Sump Pump, and each future rough-in fixture, and water supply pipe replacement).				
Sewer Hook-Up (per unit)				2022
			Residential	$150.00 /unit
			Commercial	
			Industrial	
			Office per Unit	
SAC Charge Per Unit (Regulated by Met Council)				2022
				$2,485.00
Water Hook-Up (per unit)				2022
			Residential	$150.00 / unit
			Commercial	
			Industrial	
			Office per Unit	
Mechanical Permit				2022
			Furnace	$80.00
			Magic Pack	$80.00
			Air Conditioner	$6~~5~~5.00
			Air Exchanger	$65.00
			Gas Fireplace	$65.00
			Gas Piping	$65.00
			Unit Heater	$65.00
			Other	$65.00
Installation of any other fuel fired appliance (Boiler, In-Floor Heat)				$65.00
Bath Kitchen Fan ($65.00 minimum)				Each 32.50
Fire Place masonry – Based on valuation (building permit required)				

BUILDING PERMITS

Moved in Structures

See Building Permit Related Fees – commercial and residential

All Permits require a Technology Fee and applicable State Surcharge

Commercial Fees

ALL Commercial permit applications require plan review and permit fees are based on valuation (includes, re-roof, re-side, re-window, re-door, and demolition).

				2022
			Plumbing Minimum	~~$95.00~~ Should be calculated the same as a building permit (valuation based)
			Mechanical Minimum	~~$95.00~~Should be calculated the same as a building permit (valuation based)
	Unless included with other mechanical work		Gas Line Minimum	$95.00

Plumbing Permit: Valuation-based fee (copy of contract must be submitted with permit application)

Mechanical Permit: Valuation-based fee (copy of contract must be submitted with permit application)

Fire Sprinkler Systems require regular building permit; fees are based on valuation

Fire Alarm Systems require regular building permit; fees are based on valuation

Valuation Based Fees

(Residential and Commercial building permit fees when plan review is required):

Fee Schedule Base: 1997 + 15%

$1.00	$2,000.00	$80.55 minimum.
$2001.00	$25,000.00	$80.55 for the first $2,000 plus $16.10 for each $1,000 or fraction thereof, to and including $25,000
$25,001.00	$50,000.00	$450.85 for the first $25,000 plus $11.65 for each $1,000 or fraction thereof, to and including $50,000
$50,001.00	$100,000.00	$742.10 for the first $50,000 plus $8.15 for each $1,000 or fraction thereof, to and including $100,000
$100,001.00	$500,000.00	$1,149.60 for the first $100,000 plus $6.50 for each $1,000 or fraction thereof, to and including $500,000
$500,001.00	$1,000,000.00	$3,749.60 for the first $500,000 plus $5.50 for each $1,000 or fraction thereof, to and including $1,000,000
$1,000,001.00	And up	$6,499.60 for the first $1,000,000 plus $4.50 for each additional $1000 or fraction thereof

*Pursuant to MN Rules Chapter 1300.0160 subpart 3, Building permit valuations shall be set by the Building Official. For determining the permit valuation, the Building Official will use the supplied valuation with a minimum value as

BUILDING PERMITS

calculated by the current Building Valuation Data Table, published each May by the Department of Labor and Industry and other data, as needed, for projects not otherwise specified.

Building Permit Related Fees – (commercial and residential)

- **Plan Check/Document Evaluation fee**: 65% of the Permit Fee for Residential and Commercial Projects.
- **Master Plan**: When submittal documents for similar plans are approved, plan review fees shall not exceed 25 percent of the normal building permit fee established and charged for the same structure. Plan review fees for the original plan review is 65% of the permit fee.
- **Review of state approved plans**: 25% of the plan review required by the adopted fee schedule (for orientation to the plans)
- **Residential Site Inspection (including initial S.E.C.)**, required for all new construction (new homes, detached garages, accessory structures) $60.00
- **Commercial Site Inspection (including initial S.E.C.),** required for all new construction (new buildings and accessory structures) $90.00
- **S.E.C. (Sediment and Erosion Control) .0006 x permit valuation for all *Building* Permits except Re-Roof, Re-Side, Re-Window, Decks & Interior Remodels; Minimum $150.00 New Home or Commercial Construction, Minimum $50.00 on any other non-exempt Construction**
- **Demolition Permit Fees:** Based on valuation ~~with a minimum fee of $100.00~~
- **Exterior Structures:**

Retaining Wall (over 4' in height):	based on valuation
Fence (over 7' in height):	based on valuation
Sheds (over 200 sq. feet):	based on valuation

- Drain Tile or Radon Mitigation Permit Fees, Based on Valuation
- Curb Deposit $600.00
- Seasonal Swimming Pools: $80.00

  (Seasonal residential swimming pools requiring permits (over 24" and 5000 gallons, installed entirely above grade) are allowed to be installed with a single application and approval provided that the same pool is installed in the same location each year. Once approved, the pool may be put up and taken down any number of times. A site plan is required to be approved as a part of the permit submittal, and must be kept on site for review as needed.)

Permanent and In-ground Swimming Pools: Based on Valuation

- Pre-moved in single family dwelling: $175.00 plus travel time and mileage from municipality office (as calculated by Google maps)
- Pre-moved in accessory structure: $125.00 plus travel time and mileage from municipality office (as calculated by Google maps)
- Connection fee – Moved in structure: $200.00 (does not include foundation/interior remodel)
- Connection fee – plumbing: $50.00
- Connection fee – mechanical: $50.00
- Manufactured home installation: $200.00 (does not include foundation/interior remodel) plus connection fees (if applicable)
- Site work for manufactured, prefab, or moved in home (foundation, basement, etc.): based on valuation

State Surcharge Fees

State Surcharge: Schedule is based on the currently adopted State Surcharge Table – per MN Statute 326B

State Surcharge is applicable on all permits unless otherwise noted.

BUILDING PERMITS

Add Cell Tower Permit: City Permit Fee $1,250 + Tech Fee

Other Inspections and Fees

1.	Re-inspection Fee - A re-inspection fee may be assessed for each inspection or re-inspection when such portion of work for which inspection is called is not complete or when corrections called for are not made. On valuation-based building permits, this fee is not to be interpreted as requiring re-inspection fees the first time a job is rejected for failure to comply with the requirements of the code, but as controlling the practice of calling for inspections before the job is ready for such inspection or re-inspection. Re-inspection fees shall also be assessed when 1) the address of the jobsite is not posted, 2) the inspection record card is not posted or provided at the worksite, 3) the approved plans are not readily available for the inspector, 4) full access to the site is not provided for the inspector, 5) the inspector is not met by the responsible individual (no show), 6) on residential (IRC) maintenance permits where corrections are required to be inspected, and 7) deviations from the approved plans occur without prior building official approval. Re-inspection fees are due on or before the re-inspection. Payment made payable to the Municipality:	$50 each
2.	Inspections outside of normal business hours (will include travel time both ways – 2 hour minimum):	$75/hr.
3.	Inspections for which no fee is indicated, Miscellaneous and Special Services (1/2 hour minimum):	Designated Building Official $125/hour Senior Building Official $95/hour Fire Inspector $90/hour Building Inspector $75/hour Other Staff $75/hour
4.	Additional Plan Review required by changes, additions, or revisions to approved plans (½ hour minimum)	$75/hr.
5.	Special Investigation fee (work started without obtaining a permit)	100% of the permit fee
6.	Copy charge (black/white 8 ½ x 11 and 8 ½ x 14)	$.25/sheet
7.	Copy charge (black/white 11 x 17)	$.50/sheet
8.	Copy charge (color 8 ½ x 11 and 8 ½ x 14)	$1/sheet
9.	Copy charge (color 11 x 17)	$2/sheet
10.	Print or copy charge (large plan sheet)	$4
11.	Duplicate permit card fee – short card (8 ½ x 7)	$25
12.	Duplicate permit card fee – long card (8 ½ x 14)	$50
13.	License Look-Up (contractor license verification)	$5
14.	Lead Certification (for eligible construction) (contractor Lead Certification Verification)	$5
15.	Permit Renewal within 6 mos. of expiration (no plan changes, no code changes, new permit number	50% of permit fee
16.	Permit Renewal after 6 mos. of expiration (new permit required)	based on valuation of remaining work
17.	Change of Use, (if no construction permits are required)	$100
18.	Pre-Final inspection (new home or structure)	$60
19.	Temporary Certificate of Occupancy – Escrow (less costs to administer) **Discussion Item**	$1000.00
20.	Refunds:	
	Plan review (if plan review has not started)	100%
	Plan review (if plan review has started)	50 %
	Plan review (if plan review has been completed)	0%
	Permit fee (if work not started) within 6 months of permit issuance by municipality	80%
	Permit fee (if work has started – building permit)	0%

BUILDING PERMITS

	Maintenance Permits	0%
21	Technology Fee (applicable to all permits)	$15~~0~~.00

BUSINESS LICENSES

	Alcoholic Beverages			2022
	Bond and insurance requirements are State regulated			
117.06	Liquor and Beer		On Sale	$5,000.00
			Off Sale	$200.00
			Special Club	$300.00
		Liquor License Investigation Fee		$500.00
117.16	Liquor Sunday			$200.00
117.32	Malt Liquor (3.2)		On Sale	$150.00
			Off Sale	$200.00
		*Minnesota Buyers Card		$20.00
		*(Per year paid directly to State)		
117.06	On-Sale Temporary Liquor License or Premises Extensions		Per Event	$25.00
		On-Sale Wine		$2,000.00
		Microdistillery Cocktail Room		$2,500.00
		Microdistillery Off-Sale		$150.00
		Brewpub On-Sale		$5,000.00
		Brewpub Off-Sale		$150.00
		Brewer Taproom On-Sale		$2,500.00
		Small Brewer Off-Sale		$150.00
		Temporary On-Sale Liquor		$25.00
		Temporary On-Sale 3.2% Malt Liquor		$25.00
111.03	Amusement Parks, Shows and Circuses*			2022
			1st Day	$500~~125~~.00
		Each Additional Day		$100~~25~~.00
118.04	Cigarette & Tobacco Sales			2022
				$300.00
111.04	Christmas Tree Sales			2022
				$75.00
116.05	Courtesy Benches			2022
			Per Bench	$70.00
121.03	Gasoline Distribution			2022
		Application Fee		$85.00
			Per Nozzle	$15.00
111.01	Outside Theater			2022
				$25.00

NOTE: Add technology fee to all licenses - $15.00

BUSINESS LICENSES-CONTINUED

124.04	Pawn Shops			2022
		Investigation and Application Fee-MN Only		$500.00
			Outside MN	$10,000.00
			Annual License Fee	$3,000.00
			Bond	$5,000.00
		Billable Transaction Fee Per Transaction		$2.90
119.03	Peddlers License			2022
		Per Company		$100.00
		Per Employee		$75.00
113.02	Massage Enterprise			2022
		Per Employee	New	$2,000.00
		Per Employee	Renewal	$150.00
120.09	Sexually Oriented Business			2022
			Business License Fee	$3,000.00
			Investigation Fee	$5,000.00
122.12	Special Event Vendor*			2022
		For all vendors		$80.00
134.02	Unattended Collection Bin			2022
				$50.00
* Insurance Required		Minimum Liability Coverage:		$1,000,000 per occurrence $2,000,000 aggregate

Each license or permit holder shall obtain an insurance policy naming the applicant and the city as insureds, providing for bodily injury in the amount to be set by Council resolution.

CONTRACTOR LICENSES

94.57 Dumpster Hauler			2022
			$220.00
55.04 Garbage Refuse Collection			2022
			$220.00
110.02 General Contractor			2022
			$7~~8~~0.00
96.15 Lawn Fertilizer Application			2022
			$110.00
110.02 Mechanical Contractor			2022
			$70.00
94.55 Right-of-Way Registration			2022
			$220.00
110.02 Tree Trimmer			2022
			$70.00
110.02 Trenching Contractor			2022
		NO Fee for licensed plumber	$7~~6~~0.00
110.01 (E) Insurance		Minimum Liability Coverage:	$1,000,000 per occurrence $2,000,000 aggregate

(1) When a licensee or permittee is required to have in force a policy of insurance, the policy shall be approved as to substance and form by the Attorney. The policy shall provide that it is non-cancellable without 15 days' notice to the city, and the coverage shall be for the term of the license or permit. Satisfactory evidence or coverage by insurance shall be filed with the City Manager before the license or permit is issued. Each license or permit shall terminate upon termination of the required insurance coverage.

(2) The amount of insurance shall be set by Council ordinance.

ELECTRIC CHARGES

Installation of Electric Service			
Note: For notes and conditions related to the charges listed below, see the Utility Policy.			
	Underground Installation Charges	2022	
		*New residential and small commercial single phase up to 200 amp	$650.00
		Rewire from overhead to underground single phase 200 amp	$650.00
	Add $6.00 per foot for frost charges		Additional fees may apply.
	Temporary Services Installation Charges	2022	
		Overhead service drop not over 100 feet	$200.00
		Underground tap adjacent to pedestal or pad mount transformer max distance 5 feet	$150.00
	Large Commercial		
		Fees are determined on a case by case basis	
		Additional fees may apply.	
*Collected on Building Permit			
Lighting Service			
Note: For notes and conditions related to the charges listed below, see the Utility Policy.			
	Residential and Commercial	2022	
		LED 53 watt / HPS 100 watt	$9.00
		LED 101 watt / HPS 250 watt	$13.75
		400 watt	$19.80
		1000 watt	$52.00
			Additional fees may apply.
	Governmental Units - North St. Paul Owned	2022	
		LED 53 watt / HPS 100 watt	$9.00
		LED 101 watt / HPS 250 watt	$13.75
		400 watt	$19.80
	Governmental Units	2022	
		100 watt	$4.50~~00~~
		250 watt	$7.95~~45~~
		400 watt	$~~10.85~~11.35
	Bus Shelters	2022	
		Based on shelter design Minimum	$5.00
		Installation of wire to service shelter charged at time & materials.	

ELECTRIC CHARGES-CONTINUED

Other Electric Charges	
For notes and conditions related to the charges listed below, see the Utility Policy.	
Deposits	2022
Rental Housing	$150.00
Apartment Units	$75.00
Commercial and Industrial - Minimum	$150.00
Meter Tests	2022
Requested by customer	$75.00
Faulty meter	-
Pole Attachments	2022
Per Attachment, Per Pole, Per Year	$10.00
Reconnect Charges	2022
During working hours	$50.00
Utility Late payment Charge	2022
10% of balance due	
Minimum	$10.00
Waive/Decline Radio Meter	2022
Monthly	$150.00
Solar Service Application	$100.00

EQUIPMENT CHARGES

			2022
Hourly Equipment Rate		Per	Hour Rate
	1/2 ton Truck	$30.00	
	3/4 ton Truck	$35.00	
	1 ton Dump Truck	$50.00	
	2-1/2 ton Truck	$50.00	
	Flusher Truck	$55.00	
	Single Bucket Truck	$90.00	
	Double Bucket Truck	$100.00	
	Auger Truck	$100.00	
	Loader (4-wheel)	$90.00	
	Backhoe 410	$75.00	
	Backhoe 710	$95.00	
	Sweeper	$90.00	
	Air Compressor	$35.00	
	Air Hammer w/ Compressor	$45.00	
	Chain Saw	$15.00	
	Pump	$15.00	
	Bit. Roller	$25.00	
	Ditching Machine: (Ditch Witch) w/trailer	$40.00	
	Trench/Backhoe	$85.00	
	Tamper	$15.00	
	Omni Generator (Dec. 1975)	$50.00	
	Chipper	$65.00	
	Skid Loader	$80.00	
	Vactron Trailer	$75.00	
	Generator (Small 6000 watt)	$25.00	
	Vactor Truck	$120.00	
Operator Costs		2022	
	Actual Costs + % Overhead	35%	
Material Costs		2022	
	Actual Costs + % Overhead	35%	

Above costs are charges that would be used in working on city facilities for customer convenience. If we work only on customer facilities with no relation to city facilities, then labor charges are 1-1/2 times above.

FIRE DEPARTMENT FEES

	Daycare/Foster Care Inspections			2022
				$50.00
155.01	Rental Property Registration - Single Family Residential			2022
			Initial Registration	$150.00
		Annual Renewal		$100.00
		Transfer Fee		$25.00
		No Entry Fee		$50.00
		Reinspection		$50.00
			Late Fees	
			30 Days	10%
			60 Days	25%
			90 Days	50%
155.01	Rental Property Registration - Duplex (Two Family Residential)			2022
			Initial Registration	$200.00
		Annual Renewal		$150.00
		Transfer Fee		$50.00
		No Entry Fee		$75.00
		Reinspection		$75.00
			Late Fees	
			30 Days	10%
			60 Days	25%
			90 Days	50%
155.01	R2 Multi-Family Inspections (3 or more residential units)			2022
			Initial Registration	$200.00
		Annual Renewal (Per Building)		$150.00
		Inspection Year Base Fee (Per Building)		$150.00
	+ Per Unit (total number of units per building, applied only on inspection year)			$10.00
			Transfer Fee	$50.00
			No Entry Fee	$75.00
			Reinspection	$75.00
			Late Fees	
			30 Days	10%
			60 Days	25%
			90 Days	50%
99.02	False Alarm Fees (per calendar year)			2022
			3rd False Alarm	$250.00
		4th False Alarm and thereafter (per alarm)		$500.00

NOTE: Add technology fee to all Fire Department Fees - $15.00

FIRE DEPARTMENT FEES-CONTINUED

Fire Alarm/Sprinkler Permit Fees (calculated by value)	2022
Total Valuation	Fee
~~$1.00 to $500~~	~~$28.05~~
$~~50~~1.00 to $2,000.00	$28.05 for the first $500.00 plus $3.50 for each additional $100.00, or fraction thereof
$2,001.00 to $25,000.00	$80.55 for the first $2,000.00 plus $16.10 for each additional $1,000.00, or fraction thereof
$25,001.00 to $50,000.00	$450.85 for the first $25,000.00 plus $11.65 for each additional $1,000.00, or fraction thereof
$50,001.00 to $100,000.00	$742.10 for the first $50,000.00 plus $8.15 for each additional $1,000.00, or fraction thereof
$100,001.00 to $500,000.00	$1,149.60 for the first $100,000.00 plus $6.50 for each additional $1,000.00, or fraction thereof
$500,001.00 to $1,000,000.00	$3749.60 for the first $500,000.00 plus $5.50 for each additional $1,000.00, or fraction thereof
$1,000,001.00 and up	$6,499.60 for the first $1,000,000.00 plus $4.5~~0~~0 for each additional $1,000.00 Add Plan Review Fee of 65% of the valuation for both residential and commercial projects

	Fire Safety Inspection in Minnesota Schools		2022	
			Per square foot	$ 0.014
Includes 2 follow-up inspection or on-site consultations. Additional follow-ups are charged 1/2 cents per sq. ft.				
133.03	Retail Sales of Fireworks		2022	
			Retailer	$ 100.00
			Vendor	$ 250.00
	Fire Department Lock Box		2022	
		S3 – Surface Mount	Each	$159.00
		R3 – Recessed Mount	Each	$199.00

MISCELLANEOUS FEES

98.23	Abatement Rate			2022
		Minimum Per hour		$240.00
	Antenna/Tower Review Fee			2022
			New	$800.00
			Maintenance	$1,000.00
	Antenna/Tower Review Administrative Fee			2022
	Add technology fee - $15.00			$250.00
	Buckthorn Puller Deposit	(all refundable fee - no admin charges)		2022
	5-day rental			$100.00 deposit/billed if not returned in 30 days
	City Staff (does not include Police Department staff)			2022
		City Manager	Hourly Rate	Actual
		City Attorney	Hourly Rate	Actual
		City Engineer	Hourly Rate	Actual
	Department Head & Supervisors		Hourly Rate	Actual
	Professional Staff (City Planner, Building Official, etc.)		Hourly Rate	Actual
	Field Staff (Public Works & Electric Technicians)		Hourly Rate	Actual
		Clerical Staff	Hourly Rate	Actual
	Copy Fee			2022
		Black & White (per page)		$0.25
		DVD Copies		$11.00
	Building / Site Plans - Poster Size - Black & White (per page)			$3.00
		Building / Site Plans - Poster Size - Color (per page)		$5.00
		Zoning Map - Poster Size - Color (per page)		$5.00
	Election Filing Fee			2022
			City Office	$5.00
	Incident Report (City)			2022
			per page	$2.00
	NSF Check Charge			2022
				$30.00
	Notary Service			2022
		Plus $1.00 per page over 5 pages		$5.00
	Over the Phone Credit Card Payment			2022
				$20.00
	Property and Special Assessment Verification			2022
				$30.00
	Photographs			2022
			CD/DVD	$40.00
			Single	$5.00

PARK & RECREATION FEES

Canoe Storage Rental (Seasonal)			2022
		Resident	$50.00
		Non-Resident	$75.00
Park Building Rental (Casey Lake)			2022
	Weekday (Monday-Thursday) Per Day	Resident	$~~125.00~~300.00
	Weekend (Friday-Sunday) Per Day	Resident	$~~200.00~~400.00
		Deposit	$350.00
	Weekday (Monday-Thursday) Per Day	Non-Resident	$~~175.00~~200.00
	Weekend (Friday-Sunday) Per Day	Non-Resident	$~~300.00~~400.00
~~Weekday Meeting Rentals (Non-Profit) Per Hour~~		~~Resident~~	~~$25.00~~
~~Weekday Meeting Rentals (Non-Profit) Per Hour~~		~~Non-Resident~~	~~$40.00~~
	~~Wedding Rate Per Day~~	~~Resident~~	~~$400.00~~
		~~Non-Resident~~	~~$500.00~~
* Rates based on Park Reservation Policy.			
Park Building Rental (Hause)			2022
	Per Day	Resident	$~~100.00~~150.00
	Per Day	Non-Resident	$~~150.00~~200.00
		Deposit	$150.00
* Rates based on Park Reservation Policy.			
Open-Air Park Shelters (Northwood, Silver Lake, Hause & Colby Hills)			2022
	Per Day	Resident	$~~45.00~~50.00
	Per Day	Non-Resident	$~~55.00~~65.00
		Deposit	$50.00
* Rates based on Park Reservation Policy.			
Open-Air Park Shelters (Casey Lake Park Booya Patio & Tower)			2022
	Per Day	Resident	No Charge
	Per Day	Non-Resident	No Charge
* Rates based on Park Reservation Policy. Booya patio and Tower shelter are first-come, first-served.			
Ballfield Rental			2022
	Softball League	Per Game Night	$75.00
	Baseball	Per Field Prep	$~~25~~75.00
	~~Contract League Softball~~	~~Per Field, Per Day~~	~~$75.00~~
	Softball Tournament	Per Field, Per Day	$125.00
	~~Sunday Church League~~	~~Per Field, Per Night~~	~~$72.00~~
Recreational Programming			2022
		Per Program	Varies

PLANNING & ZONING FEES

Comprehensive Plan Amendment (Map or Text)	Application Fee	Escrow*
	$1,000.00	$2,500 minimum
Conditional Use Permit	Application Fee	Escrow*
	$500.00	$1,000 minimum
Design Review	Application Fee	
	$250.00	
Grading and Excavation: 0 sq. ft. to 9,999 sq. ft.	Application Fee	
	No Fee	
Grading and Excavation: 10,000 sq. ft. to 43,560 sq. ft.	Application Fee	
	$400.00	
Grading and Excavation: 1 acre or above	Application Fee	Escrow*
	$1,000.00	$1,000 minimum
		+ MPCA Review
Home Occupation Interim Use Permit	Application Fee	Escrow*
	$100.00	$250 minimum
Interim Use Permit	Application Fee	Escrow*
	$500.00	$1,000 minimum
Minor Subdivision - Lot Split / Combination / Lot line adjustment	Application Fee	Escrow*
	$500.00	$500 minimum
New Construction/New Development Landscape Escrow		Escrow*
		Commercial: $5,000
		Residential: $2,500
Park Dedication - Commercial, Industrial, Institutional	Fee	
	$2,795 per acre	
Park Dedication - Residential	Fee	
	$900 per lot	
Planned Unit Development	Application Fee	Escrow*
Planned Unit Development - Sketch Plan	$500.00	$2,500 minimum
Planned Unit Development - Preliminary	$500.00	
Planned Unit Development - Final	$500.00	+ $25 per lot
Planned Unit Development - Amendment	Application Fee	Escrow*
	$500.00	$1,000 minimum
Pre-Application Meeting for all Developments	Application Fee	
Initial Concept	No Fee	
Pre Application	No Fee	
All subsequent meetings before application submittal	$100.00	

PLANNING & ZONING FEES-CONTINUED

Rain Gardens		Application Fee	Escrow*
Individual Projects - Commercial		$100.00	$750
Individual Projects - Residential	Less than 10 square feet	$-	
	Greater than 10 square	$50.00	
Development Projects	Commercial	$200.00	$5,000
	Residential	$100.00	$2,500
Sign Permit		Application Fee	
		$100.00	
		+ $0.25 per sf	
Site Plan Review		Application Fee	Escrow*
		$500.00	$1,000 minimum
Special Commission Meeting (per Meeting)		Application Fee	
		$200.00	
Street, Alley, Easement Vacation		Application Fee	Escrow*
		$500.00	$500 minimum
Subdivision		Application Fee	Escrow*
	Subdivision - Sketch Plan	$500.00	$2,500 minimum + $25 per lot
	Subdivision - PreliminaryPlat	$500.00	
	Subdivision - Final Plat	$500.00	
Tax Increment Financing Application		Application Fee	Escrow*
		$1,000.00	$5,000 minimum
Variance Request - Non-Residential		Application Fee	Escrow*
		$500.00	$1,000 minimum
Variance Request - Residential		Application Fee	Escrow*
		$25~~0~~0.00	$500 minimum
Zoning Letter (historical data collection & analysis, site plan &		Fee	
		$100.00	
Zoning Text Amendment		Application Fee	Escrow*
		$500.00	$1,000 minimum
Zoning Map Amendment (Rezoning)		Application Fee	Escrow*
		$500.00	$1,000 minimum

*Bond equal to or greater than escrow amount is allowed in exchange for escrowed cash.

POLICE DEPARTMENT FEES

	Accident Report		2022	
			State	$5.00
	~~Audio/Video CD/DVD~~		~~2022~~	
				~~$40.00~~
99.02	False Alarm Fees (per calendar year)		2022	
			3rd False Alarm	$250.00
		4th False Alarm and thereafter (per alarm)		$500.00
	Fingerprinting		2022	
			Non-Resident	$20.00
			Resident	$0.00~~-~~
			1st Card	$20.00
			Additional Card	$5.00
	Notary		2022	
		Non-City Related Business		$5.00
		City Related Business		$0.00~~-~~
	Photographs		2022	
			CD/DVD	$40.00
			Single	$5.00
	Report Copies		2022	
			per page	$0.25
		Certified Copies (in addition to per page fee)		$5.00
		Emailed Copy		$0.00
	Transcription		2022	
			per hour	$50.00
	Research		2022	
		Clerical per hour		$50.00
		Clerical OT per hour		$75.00
	~~Patrol~~ Police Officer		2022	
		Regular per hour		~~Actual~~$90.00
			~~OT per hour~~Holidays	~~Actual~~$150.00
	Sergeant		2022	
		Regular per hour		Actual
			OT per hour	Actual
	Squad		2022	
			per hour	$50.00
	Color digital photos			$5.00
	911 audio file			$20.00
	911 transcription			$50.00
	Squad video			$30.00
	Body worn camera (requires notarized relaease)			$30.00

PUBLIC WORKS FEES

	~~Public Street Improvements~~		~~2022~~	
	~~Residential (Front Foot)~~		~~Full Reconstruction~~	~~$64.00~~
			~~Partial Reconstruction~~	~~$49.00~~
			~~Roadway Reclamation~~	~~$35.00~~
		~~Mill and Overlay~~		~~$20.50~~
	~~Commercial/Multi-Family/Other~~		~~Full Reconstruction~~	~~$96.00~~
			~~Partial Reconstruction~~	~~$73.50~~
			~~Roadway Reclamation~~	~~$52.50~~
		~~Mill and Overlay~~		~~$30.75~~
~~Note: 35% per foot will be charged for additional footage above the minimum zoning width for the area.~~				
	Dumpster Permit		2022	
			Per Day (3 day min)	$20.00
		Technology Fee		$15~~0~~.00
	Right-of-Way Permit		2022	
			Minimum	$80.00
		Add the following where applicable:		
		Per Additional Excavation	Paved Area	$40.00
		Per Additional Excavation	Unpaved Area	$20.00
	Underground Utility or Telecom \ Boring or Tunneling		Per LF	$0.50
	Underground Utility ore Telecom\ Open Trench		Per LF	$0.65
		Overhead Utility \ Telecom	Per LF	$0.10
		Residential Trenching		
		Sewer Service		$30.00
		Water Service		$30.00
		Storm Service		$30.00
		Fire Service		$30.00
		Base Fee		$35.00
		State Surcharge		$1.00
		Asbuilt Fee		$250.00
		Add the following to all permits:		
			Technology Fee	$15~~0~~.00

PUBLIC WORKS FEES-CONTINUED

	Meter Charges			2022
		New Residential Construction (collected on Plumbing permit)		$15~~3~~0.00
		Replace Frost Damaged Water Meter		$15~~3~~0.00
		Radio Reader		$150.00
		Replace Damaged Radio Reader		$150.00
		Residential Water Turn Off (during business hours)		$0.00
		Residential Water Turn On (during business hours)		$0.00
		¾” Meter		$140.00
		1” Meter		$220.00
		1 ½” Meter		$1,305.00
		2” Meter		$1,510.00
		3” Meter		$2,000.00
	Hydrant Meter Rental			2022
		~~First 10,000 gallons~~Deposit		$300~~5~~0.00
		Per 1,000 gallons~~ there after~~		$5.00 per 1,000 gallons – Minimum Fee of $50.00
	RPZ Filing Fee			2022
				$25.00
	Waive/Decline Radio Meter			2022
		Monthly		$150.00
	Utility Late Payment Charge			2022
			10% of balance due	
			Minimum	$10.00
	After Public Works services			$240.00

ELECTRIC RATES

E1 Residential Electric Service		2022
Overhead	Monthly Service Charge	$9.25
Consumption Charges (per kWh)	October - May	$0.1112~~085~~
Consumption Charges (per kWh)	June - September	$0.1218~~188~~
E6 Residential Electric Service		
Underground	Monthly Service Charge	$11.25
Consumption Charges (per kWh)	October - May	$0.1112~~085~~
Consumption Charges (per kWh)	June - September	$0.1218~~188~~
E3 Small Commercial Service	Monthly Service Charge	$11.25
Consumption Charges (per kWh)	October - May	$0.1091~~64~~
Consumption Charges (per kWh)	June - September	$0.1211~~181~~
E4 Commercial Service	Monthly Service Charge	$25.50
Consumption Charges (per kWh)		$0.0696~~79~~
E5 Demand Charge (Related to E4 Service)		
Consumption Charges (per KW)	October - May	$9.16~~8.94~~
Consumption Charges (per KW)	June - September	$12.72~~41~~
Large Commercial Service	Monthly Service Charge	$25.50
Consumption Charges (per kWh)		$0.0691~~74~~
Demand Charge (Related to Large Commercial Service)		
Consumption Charges (per KW)	October - May	$9.16~~8.94~~
Consumption Charges (per KW)	June - September	$12.72~~41~~
Time of Day Service	Monthly Service Charge	$28.50
Consumption Charges (per kWh)	On Peak	$0.0769~~50~~
Consumption Charges (per kWh)	Off Peak	$0.0483~~71~~
Consumption Charges (per kWh)	Weekend	$0.0577~~63~~
North St. Paul Street Lighting	Per Month	$1.3000
North St. Paul Franchise Fee (per kWh)	Per Month	
Residential		$5.00
Small Commercial		$15.00
Commercial		$80.00
Large Commercial		$300.00
Clean Energy Choice for Residential		
50% Renewal	Additional per Month	$1.00
75% Renewal	Additional per Month	$2.00
100% Renewal	Additional per Month	$3.00
Clean Energy Choice for Commercial	Additional charge per kWh	$0.0010
Residential Solar Credit (per kWh)		2022
Consumption Credit (per kWh)	October - May	$0.1112~~085~~
Consumption Credit (per kWh)	June - September	$0.1218~~188~~

GARBAGE RATES

35 GALLON	35 GALLON	65 GALLON	95 GALLON	160 GALLON – TWO CARTS
Garbage	$7.70	$11.07	$13.59	$24.66
Solid Waste Management Tax (SWM) 9.75%	$0.75	$1.08	$1.33	$2.40
County Environmental Charge (CEC 28%)	$2.16	$3.10	$3.81	$6.90
Recycling Rates - No Tax or CEC	$7.50	$7.50	$7.50	$7.50
Total	$18.11	$22.75	$26.23	$41.46
Yard Waste Disposal Rates (optional) No Tax or CEC	$7.00 Monthly or On-Call Bag Serv. $2.00			

- No rate increase in 2022

SURFACE WATER RATES

		2022
Single Family Residential, Townhome, and Double Homes		
One Residential Equivalency Factor (REF)		$10.88
Commercial, Multi-Family and Public		
Percent Impervious	Multiplied by One REF	$10.88
Based on Ramsey County GIS parcel data		
Raingarden Incentive Discount		35%
Open Space		Exempt
Streets and Lakes		Exempt
Undeveloped		Exempt

WASTE WATER RATES

North St. Paul Waste Water Service - per 1,000 Gallons		2022
5/8" to 1" Water Service	Monthly Service Charge	$34.82
Consumption Charges (Per 1,000 Gallon)*	0 to 7,000 Gallons	$3.35
	7,001 to 20,000 Gallons	$3.79
	20,001 Gallons or More	$4.23
North St. Paul Waste Water Service - per 1,000 Gallons		2022
1 1/2" or Larger Water Service	Monthly Service Charge	$69.58
Consumption Charges (Per 1,000 Gallon)*	0 to 7,000 Gallons	$3.35
	7,001 to 20,000 Gallons	$3.79
	20,001 Gallons or More	$4.23
North St. Paul Waste Water Service - per Gallon		2022
5/8" to 1" Water Service	Monthly Service Charge	$34.82
Consumption Charges (Per Gallon)*	0 to 7,000 Gallons	$0.00335
	7,001 to 20,000 Gallons	$0.00379
	20,001 Gallons or More	$0.00423
North St. Paul Waste Water Service - per Gallon		2022
1 1/2" or Larger Water Service	Monthly Service Charge	$69.58
Consumption Charges (Per Gallon)*	0 to 7,000 Gallons	$0.00335
	7,001 to 20,000 Gallons	$0.00379
	20,001 Gallons or More	$0.00423
North St. Paul Waste Water Service-Flat Sewer**		2022
Monthly Connection Charge		$51.54
Maplewood Waste Water Service		
	Monthly Service Charge	Set by Maplewood
Consumption Charges (Per Gallon)*		
Consumption Charges (Per 1,000 Gallons)*		

WATER RATES

North St. Paul Water Service-Per 1,000 Gallons		2022
5/8" to 1" Water Service	Monthly Service Charge	$11.92
Consumption Charges (Per Gallon)	0 to 7,000 Gallons	$3.49
	7,001 to 20,000 Gallons	$4.57
	20,001 Gallons or More	$6.64
North St. Paul Water Service-Per 1000 Gallons		2022
1 1/2" Meter or Larger	Monthly Service Charge	$23.60
Consumption Charges (Per Gallon)	0 to 50,000 Gallons	$3.46
	50,001 to 150,000 Gallons	$4.53
	150,001 Gallons or More	$6.58
Maplewood Water Service-Per 1000 Gallons		2022
5/8" to 1" Water Service	Monthly Service Charge	$12~~21~~.07~~8~~
Consumption Charges (Per Gallon)	0 to 7,000 Gallons	$3.49
	7,001 to 20,000 Gallons	$4.57
	20,001 Gallons or More	$6.64
(Includes 15 cent charge for Fire Hydrant Rental)		
*Water consumption consumed by commercial users is subject to sales tax.		
North St. Paul Water Service-Per Gallon		2022
5/8" to 1" Water Service	Monthly Service Charge	$11.92
Consumption Charges (Per Gallon)	0 to 7,000 Gallons	$0.00349
	7,001 to 20,000 Gallons	$0.00457
	20,001 Gallons or More	$0.00664
North St. Paul Water Service-Per Gallon		2022
1 1/2" Meter or Larger	Monthly Service Charge	$23.60
Consumption Charges (Per Gallon)	0 to 50,000 Gallons	$0.00346
	50,001 to 150,000 Gallons	$0.00453
	150,001 Gallons or More	$0.00658
Maplewood Water Service-Per Gallon		2022
5/8" to 1" Water Service	Monthly Service Charge	$12.07~~8~~
Consumption Charges (Per Gallon)	0 to 7,000 Gallons	$0.00349
	7,001 to 20,000 Gallons	$0.00457
	20,001 Gallons or More	$0.00664
(Includes 15 cent charge for Fire Hydrant Rental)		
*Water consumption consumed by commercial users is subject to sales tax.		
57.04 Sewer & Water Rules, Regulations, Prices and Terms - Charges for service shall be a continuing lien until paid upon property served.		

NORTH ST. PAUL
extraordinary.

Agenda Information Memorandum

To	Date
Honorable Mayor Furlong and City Council	December 7, 2021

Agenda Placement # IV.D

Topic(s)

Subject

Enterprise Funds

Background/Facts

Enterprise Fund Discussion

Recommendation:

Attachments

1. Electric Fund
2. Water Fund
3. Waste Water Fund
4. Surface Water Fund
5. Solid Waste Fund
6. Fiber Optic Fund

Respectfully submitted,
Daniel Winek, Finance Director

ELECTRIC FUND

ACTIVITY MANAGER
Brian Frandle, Electric Director
Brian.Frandle@northstpaul.org
651-747-2472

DESCRIPTION OF ACTIVITY
This activity provides safe, reliable and economic electric power to over 5,813 residential customers and 553 commercial customers in North St. Paul as well as service to an area of Oakdale, and a limited number of Maplewood customers. The department is responsible for maintaining the city's distribution system, new installation for residential and commercial customers, and providing sustainability initiatives and education. We benefit our community and are readily available to our customers. Our profits go back into our community not to stockholders. Yearly transfers to the city's general funds help keep taxes down.

DEPARTMENT SERVICES

Electric System Maintenance	Electric System Safety
Rate Analysis	Safety Training
Material & Equipment Purchases	Inside Wiring
Federal & State Reporting	Public Relations
Metering	OSHA Mandate Compliance
Installation of Electric Services	Substation Operation
Locating Underground Facilities	Job Planning

OBJECTIVES AND PRIORITIES

- Maintain the electric system to provide safe, reliable, and economical power to customers.
- Review and update the system on a continual basis.
- Provide installation services for underground, overhead, lighting, and meters.
- Take part in the Minnesota Municipal Power Agency with 11 other cities to keep prices competitive and keep service reliable and sustainable.
- Offer energy saving and rebate programs such as: Clean Energy Choice and the City Rebate Program.
- Provide clean and reliable power with good customer service.

STATISTICS

Item	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Tentative 2021	Projected 2022
Feet of Overhead to Underground Cutover	23,840	1,100	2,600	2,200	1,000	
Feet of Replaced Old Underground Wire	2,150	7,643	4,400	3,200	3,900	
Feet of New Construction Underground					13,800	
Mega-Watt Hours Sold	68,238	70,870	66,954	68,048	-	
Power Outages	27	26	40	42	40	
Average Residential KWH Rate	0.12825	0.12713	0.12730	0.13102	-	

BUDGET HIGHLIGHTS

- Interfund loan related to Anchor Commons (TIF 4-10 & TIF 4-11); will when parcels are sold.
- Lower interest income and penalties.
- 2.5% rate increase from wholesale power supplier (MMPA).
- No intent on issuing bonds / debt in foreseeable future.

CAPITAL OUTLAY – VEHICLE AND EQUIPMENT REPLACEMENT

- Replace asset 50-707, Locate Van - $31,000
- Replace asset 50-713, Service Truck - Underground Maintenance, looking to replace with 1-ton - $54,500
- Replace asset 50-711, Bucket Truck - Overhead Pole Work - $265,000
- Replace Generator 35 KV, 50% Electric and 50% Streets, replace with 100 KV generator - $100,000
- Underground Wire Replacement - $250,000.

All per the 10-year CIP Plan.

ELECTRIC FUND

PERSONNEL SUMMARY

Regular Employment (FTE)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Electric Director	1.00	1.00	1.00	1.00	1.00	1.00
Electric Superintendent	1.00	1.00	1.00	1.00	1.00	1.00
Electric Linesman	8.00	8.00	8.00	7.00	7.00	7.00
Locator	-	-	1.00	1.00	1.00	1.00
City Mechanic	-	-	-	0.20	0.20	0.20
FT Utility Billing Staff	0.82	0.82	0.82	0.95	0.45	0.90
PT Customer Service Specialist	0.60	0.60	0.60	1.00	1.00	-
City Manager	0.10	0.10	0.10	0.25	0.25	0.25
Community & Admin Services Director	-	-	-	0.25	-	-
Deputy City Clerk	-	-	-	0.25	0.25	0.25
Community Relations Coordinator	-	-	-	0.20	-	-
Finance Director	-	-	-	0.25	0.25	0.25
Utility Billing Coordinator	-	-	-	-	-	0.50
Accountant	-	-	-	0.25	0.25	0.25
Accounting Technician	-	-	-	0.25	0.25	0.25
Total FTE	11.52	11.52	12.52	13.85	12.90	12.85
Inc/(Dec) From Previous Year		-	1.00	1.33	(0.95)	(0.05)

Seasonal Employment (Hours)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Seasonal	1,608	1,608	1,608	1,608	1,608	1,608

CITY OF NORTH ST. PAUL, MINNESOTA
ELECTRIC FUND
SUMMARY OF REVENUES, EXPENDITURES, AND CHANGES IN NET POSITION
2022 BUDGET

	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget	Variance from 2021 Budget to 2022 Budget Positve (Negative)	
REVENUES								
CHARGES FOR SERVICES	9,460,709	10,100,706	9,246,985	9,295,646	9,591,604	9,808,662	217,058	2%
AD VALOREM TAXES	-	-	-	-	-	-	-	0%
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	0%
INTERGOVERNMENTAL	21,946	20,004	17,924	15,711	13,500	13,500	-	0%
OTHER	115,521	135,789	279,317	320,163	31,000	31,000	-	0%
OTHER TAXES	(368,484)	(244,007)	-	-	-	-	-	0%
PERMITS	-	-	-	-	-	-	-	0%
SPECIAL ASSESSMENTS	38	26	13	6	-	-	-	0%
FINES	172,769	190,881	179,746	39,179	45,000	45,000	-	0%
LICENSES	-	-	-	-	-	-	-	0%
TOTAL REVENUES	**9,402,499**	**10,203,399**	**9,723,985**	**9,670,705**	**9,681,104**	**9,898,162**	**217,058**	**2%**
EXPENDITURES								
PERSONNEL	1,039,934	1,051,548	1,111,589	1,321,784	1,355,216	1,405,599	50,383	4%
BENEFITS	378,272	320,764	475,203	317,067	395,899	472,415	76,516	19%
PROFESSIONAL SERVICES	403,236	362,398	351,867	288,510	359,188	407,188	48,000	13%
INTERNAL SERVICES	49,022	92,167	110,086	256,069	275,348	281,576	6,228	2%
OPERATING	6,084,546	6,819,022	6,035,999	5,926,164	6,339,655	6,486,666	147,011	2%
OTHER FINANCING USES	560,630	355,993	372,932	300,000	300,000	300,000	-	0%
CAPITAL	74,705	101,308	121,201	108,239	101,289	700,500	599,211	592%
OTHER	8,801	77,215	36,188	33,217	56,000	191,000	135,000	241%
DEBT	65,827	59,480	52,679	47,001	39,230	29,375	(9,855)	-25%
TOTAL EXPENDITURES	**8,664,973**	**9,239,895**	**8,667,744**	**8,598,051**	**9,221,825**	**10,274,319**	**1,052,494**	**11%**
CHANGE IN NET POSITION	**737,526**	**963,504**	**1,056,241**	**1,072,654**	**459,279**	**(376,157)**		

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(36010) Administration Charges						
(36020) Searches						
(36030) Over/Under Misc Revenue	136	-23	68	-13	0	0
(36040) Sidewalk Snow Removal						
(36090) Maplewood Utility Billing Fee						
(36120) Pawn Shop Transaction Fees						
(36410) Park Rental Fees						
(36420) Canoe Rentals						
(36430) Recreation Outdoor Program						
(36440) Park Dedication Fees						
(36515) Residential Overhead Sales	5,831,186	6,216,427	5,745,413	6,042,278	5,936,147	6,066,742
(36570) Large Commercial Sales	3,626,764	3,928,188	3,499,404	3,258,311	3,702,926	3,789,389
(36595) Green Power Sales	3,040	7,074	8,176	9,139	5,000	5,000
(36599) City Used Utilities	-109,615	-151,674	-138,380	-123,710	-151,674	-151,674
(36615) Residential Water Sales						
(36625) Commercial Water Sales						
(36645) Residential Sewer Sales						
(36655) Commercial Sewer Sales						
(36670) Residential Surface Serv Charg	79,239	79,205	79,769	80,241	79,205	79,205
(36710) Garbage Sales						
(36720) Recycling Sales						
(36730) Yard Waste Sales						
(36740) Bulk Pick Up Sales						
(36790) Fiber Service						
(36795) Fiber Service - NSP						
(36810) ISF Charges for Service						
(36820) ISF Charges - Ancillary						
(36910) Misc Charges for Services						
(36920) Connection Charges	29,959	21,509	52,535	29,400	20,000	20,000
(40130) Seasonal Employees						
TOTAL CHARGES FOR SERVICES	**9,460,709**	**10,100,706**	**9,246,985**	**9,295,646**	**9,591,604**	**9,808,662**
(30010) Current Property Tax						
(30020) Delinquent Property Tax						
(30030) Penalty and Interest						
(30040) Tax Increment Excess						
(30110) Tax Increment						
TOTAL AD VALOREM TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(39010) Transfer from other Funds						
(39020) Contributed Capital Asset						
(39110) Proceeds on Debt						
(39120) Proceeds on Debt - Bond Prem						
(39210) OFS - Contract for Deed						
TOTAL OTHER FINANCING SOURCES	**-**	**-**	**-**	**-**	**-**	**-**
(35010) Federal Grants						
(35110) State Grants	0	0	0	0	0	0
(35120) State LGA						
(35130) State AID - MSA Maintenance						
(35140) State Aid - Construction						
(35150) State Fire Aid						
(35160) Police Aid						
(35190) PERA Aid						
(35210) County Grants						
(35220) County Fire Training						
(35330) ISD 622 Community School						
(35340) Liaison Officer						
(35900) Other Grants	21,946	20,004	17,924	15,711	13,500	13,500
TOTAL INTERGOVERNMENTAL	**21,946**	**20,004**	**17,924**	**15,711**	**13,500**	**13,500**

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(38010) Investment Income	79,228	102,761	138,167	74,897	3,500	3,500
(38015) Interfund Loan Interest	0	0	9,282	127,089	0	0
(38020) Market Value Adjustment	-26,907	-32,703	76,146	1,241	0	0
(38030) Rental Income	52,352	36,218	26,625	27,589	22,500	22,500
(38050) Meter Sales - Remote						
(38060) Antenna Income						
(38070) Hauler Rebate						
(38080) NSF Check Fee	2,208	1,860	1,350	240	0	0
(38090) Phone Payment Fee	2,400	1,880	1,280	480	0	0
(38110) Donations						
(38210) Misc Revenue Non-Taxable	-2,591	10,265	18,778	67,905	5,000	5,000
(38220) Miscellaneous Revenue Taxable						
(38410) Park Fund - Advertising						
(38610) Refunds and Reimbursements	8,021	7,679	4,251	4,179	0	0
(38710) Sale of Goods and Property	425	960	1,346	13,630	0	0
(38810) Pension Contributions	385	6,869	2,092	2,913	0	0
TOTAL OTHER	**115,521**	**135,789**	**279,317**	**320,163**	**31,000**	**31,000**
(31010) Electric Franchise	-368,484	-244,007	0	0	0	0
(31020) Gas Franchise						
(31030) Cable Franchise						
(31080) County Gravel Tax						
TOTAL OTHER TAXES	**(368,484)**	**(244,007)**	**-**	**-**	**-**	**-**
(34010) Building Permit						
(34110) Electric Inspection						
(34120) Heating/Air Cond. Permit						
(34130) Plumbing Permit						
(34210) Rental Fee/Inspection						
(34220) Right-of-Way						
(34890) Animal License						
(34910) Misc Permits						
TOTAL PERMITS	**-**	**-**	**-**	**-**	**-**	**-**
(32010) Special Assessment Current	0	0	0	0	0	0
(32020) Special Assessment Delinquent	0	0	0	0	0	0
(32030) Spec Assess Penalty & Interest	38	26	13	6	0	0
(32110) Spec Assess Prepaid to County						
(32120) Spec Assess Prepaid to City						
(32130) Spec Assess Int Prepay to City						
(32210) Nuisance Abatement						
TOTAL SPECIAL ASSESSMENTS	**38**	**26**	**13**	**6**	**-**	**-**
(37010) Court Fines						
(37110) Utility Penalty Charge	172,769	190,881	179,746	39,179	45,000	45,000
TOTAL FINES	**172,769**	**190,881**	**179,746**	**39,179**	**45,000**	**45,000**
(33010) Liquor and Beer License						
(33110) Cigarette License						
(33210) Contractor License						
(33310) Garbage License						
(33410) Pawn Shop						
(33910) Misc License						
TOTAL LICENSES	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**9,402,499**	**10,203,399**	**9,723,985**	**9,670,705**	**9,681,104**	**9,898,162**

CITY OF NORTH ST. PAUL, MINNESOTA
ELECTRIC FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(40110) Full-Time Employees - Regular	973,874	984,566	1,076,512	1,265,838	1,227,757	1,299,693
(40115) Full-Time Employees - Overtime	9,341	9,016	7,622	7,824	45,000	45,000
(40120) Part-Time Employees	56,719	57,966	27,455	48,122	71,037	511
(40130) Seasonal Employees	0	0	0	0	0	48,240
(40140) Internships						
(40210) Post Employment Severance	0	0	0	0	11,422	12,155
(40215) Severance Payout						
TOTAL PERSONNEL	**1,039,934**	**1,051,548**	**1,111,589**	**1,321,784**	**1,355,216**	**1,405,599**
(41110) Deferred Compensation	24,169	25,320	27,006	33,411	33,589	71,496
(41120) PERA Contribution	72,664	76,556	82,033	93,900	97,167	103,636
(41130) FICA Contribution	64,729	64,991	66,791	79,899	85,398	89,716
(41140) Medicare Contribution	15,154	15,200	15,213	18,685	19,972	21,100
(41150) Educ Assistance Contribution						
(41210) Health Insurance	102,362	92,846	111,697	112,401	121,509	87,794
(41215) HSA Employer Contribution	0	0	0	0	0	17,340
(41220) Dental Insurance	0	0	0	0	0	12,291
(41230) Long-term Disability Insurance	0	0	0	0	0	5,639
(41240) Life Insurance	0	0	0	0	0	635
(41250) Workers Compensation Insurance	25,884	34,876	30,764	31,335	38,264	37,658
(41260) Unemployment Claims						
(41270) City Volunteer Insurance						
(41310) Pension Expense	73,310	6,857	159,920	-4,550	0	0
(41320) OPEB Expense	0	4,118	-18,221	-48,014	0	0
(41810) Uniforms Allowance	0	0	0	0	0	2,460
(41820) Communication Device Allowance						
(41830) Travel & Mileage Allowance	0	0	0	0	0	1,050
(41910) Cash in Lieu of Benefits	0	0	0	0	0	21,600
TOTAL BENEFITS	**378,272**	**320,764**	**475,203**	**317,067**	**395,899**	**472,415**
(42010) Contract and Consulting Serv	269,941	242,375	230,049	212,352	280,750	280,750
(42020) Financial Services	19,388	18,870	19,659	23,863	18,438	36,938
(42030) Legal Services	7,359	3,374	192	1,204	8,000	8,000
(42040) Planning Services						
(42050) Engineering Services	800	0	0	757	0	0
(42060) Software and Technology Serv	87,000	78,944	81,536	25,099	30,000	33,000
(42070) Janitorial Services	839	0	0	0	0	0
(42110) Sanitation and Recycling Serv	-396	0	593	91	2,000	2,000
(42310) Personnel Testing	310	0	306	198	0	0
(42320) Printing and Binding	17,995	18,570	19,532	22,222	20,000	46,500
(42410) Contracted Repair and Maint	0	265	0	2,724	0	0
TOTAL PROFESSIONAL SERVICES	**403,236**	**362,398**	**351,867**	**288,510**	**359,188**	**407,188**
(44010) General Liability Insurance (IS Allocation)	7,021	18,604	21,537	12,949	13,790	14,686
(44020) Property Insurance (IS Allocation)	7,703	9,604	22,522	17,891	17,224	18,344
(44030) Automotive Insurance (IS Allocation)	4,396	3,597	4,717	6,029	5,171	5,507
(46010) Fiber Service (IS Allocation)	0	0	7,197	7,665	8,163	8,694
(46110) Building Maint (IS Allocation)	0	31,607	20,792	135,000	155,000	159,650
(46210) City Mechanic (IS Allocation)	29,902	28,755	33,321	11,535	11,000	11,000
(46310) Equipment (IS Allocation)						
(46410) Information Technology (IS Allocation)	0	0	0	65,000	65,000	63,695
TOTAL INTERNAL SERVICES	**49,022**	**92,167**	**110,086**	**256,069**	**275,348**	**281,576**
(43010) Office Supplies	2,224	849	1,259	1,041	3,500	3,500
(43015) Training Supplies	0	0	0	0	500	500

NORTH ST.PAUL extraordinary.

CITY OF NORTH ST. PAUL, MINNESOTA
ELECTRIC FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(43020) Operating Supplies	207	0	5,216	1	350	350
(43025) Cleaning Supplies						
(43030) Small Tools and Minor Equip	18,578	4,623	3,327	6,421	13,500	13,500
(43040) Maintenance Materials	293,141	655,230	300,951	252,687	213,300	213,300
(43050) Sand and Salt Materials						
(43055) Signs and Sign Materials						
(43060) Uniforms	6,164	5,979	7,564	9,237	14,000	14,000
(43070) City Mechanic Supplies	0	0	0	13,615	23,000	23,000
(43075) City Mechanic Shop Charge	0	0	0	900	700	700
(43080) Motor Fuels	10,848	10,643	11,249	9,578	12,000	12,000
(43110) Copier Lease						
(43210) Communications Devices	4,464	4,019	4,723	3,055	5,000	5,000
(43220) Postage	2,304	2,256	1,473	1,733	3,200	5,200
(43230) Dues and Subscriptions	16,476	18,476	17,872	19,329	19,500	19,500
(43240) Advertising and Legal Notices						
(43310) Training and Travel	17,585	15,320	11,104	6,586	19,500	19,500
(43390) Fire Relief Contribution						
(43410) Utilities	47,561	31,256	15,827	13,481	15,000	15,000
(43420) Power Purchase	5,506,510	5,926,690	5,483,334	5,431,927	5,800,446	5,945,457
(43430) Green Power and Clean Energy	4,202	7,577	8,772	9,765	8,500	8,500
(43510) Collected for Other Agencies	154,282	136,104	163,328	146,808	187,659	187,659
(43710) Animal Shelter Fees						
TOTAL OPERATING	**6,084,546**	**6,819,022**	**6,035,999**	**5,926,164**	**6,339,655**	**6,486,666**
(49010) Transfer to other Funds	560,630	355,993	372,932	300,000	300,000	300,000
TOTAL OTHER FINANCING USES	**560,630**	**355,993**	**372,932**	**300,000**	**300,000**	**300,000**
(47010) Land						
(47110) Furniture and Fixtures						
(47120) Office Equipment	0	457	0	0	0	0
(47130) Field Equipment	1,103	15,544	19,912	4,500	0	450,500
(47210) Vehicles						
(47310) Infrastructure Improvements	0	0	0	0	0	250,000
(47410) Buildings and Other Improv						
(47810) Depreciation	73,602	85,307	101,289	103,739	101,289	0
(47910) Loss/Disposal/Abandonment						
TOTAL CAPITAL	**74,705**	**101,308**	**121,201**	**108,239**	**101,289**	**700,500**
(44410) Grant Awards						
(44970) Payments to Developers						
(44110) Bad Debt Expense	7,734	65,138	32,766	26,452	50,000	50,000
(44910) Miscellaneous	0	7,301	658	1,414	1,000	1,000
(44310) Interest Expense Cust Deposits	1,067	4,776	2,764	5,351	5,000	5,000
(44230) Credit Card Processing	0	0	0	0	0	135,000
(44930) Awards and Indemnities						
(44090) Other Insurance						
TOTAL OTHER	**8,801**	**77,215**	**36,188**	**33,217**	**56,000**	**191,000**
(48010) Bonding and Debt - Principal						
(48020) Bonding and Debt - Interest	64,927	58,484	51,805	44,751	37,230	28,625
(48030) Bonding and Debt - Other	900	996	874	2,250	2,000	500
(48040) Bank Charges - Debt	0	0	0	0	0	250
TOTAL DEBT	**65,827**	**59,480**	**52,679**	**47,001**	**39,230**	**29,375**
TOTAL	**8,664,973**	**9,239,895**	**8,667,744**	**8,598,051**	**9,221,825**	**10,274,319**

WATER FUND

ACTIVITY MANAGER

Ron Ritchie, Public Works Director
Ron.Ritchie@northstpaul.org
651-747-2556

DESCRIPTION OF ACTIVITY

This activity provides water service and billing for over 4,500 customers. Public Works staff operates and maintains 5 wells that pump in excess of 450 million gallons of water annually. The Public Works staff along with the Minnesota Department of Health, and independent laboratories monitor the City's water. Based on this monitoring, Public Works annually prepares the Drinking Water Quality Report on the status of the City's water. The city also maintains two water towers for water distribution.

DEPARTMENT SERVICES

Water Distribution Maintenance	Water Treatment
Hydrant Maintenance	Meter Installation and Diagnosis
Water Main Repair	Fire Flow Storage

OBJECTIVES AND PRIORITIES

- Provide safe and reliable water service to the City of North St. Paul.
- Test the water quality to ensure the US Environmental Protection Agency standards are met and annually prepare the Drinking Water Quality Report.
- Monitor the City wells and maintain/repair the water lines, water towers, and hydrants throughout the City to keep service running smoothly.
- Coordinate with street reconstruction, development, and redevelopment projects to properly update the water system.
- Annually flush the hydrants and watermains to ensure reliability and dislodge & remove build-up.

IMPACT MEASURES / PERFORMANCE INDICATORS

Item	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Actual 2021	Projected 2022
Gate Valves	790	790	800	805	810	815
Number of Main Breaks	-	13	3	10	8	8
Miles of Water Main	61.1	61.1	62	62	62	62
Meters	-	4,651	4,705	4,705	4,720	4,750
Hydrants	606	606	606	616	626	630
Water Pumped (Million Gallons)	353	355	359	352	380	400

BUDGET HIGHLIGHTS

- No proposed rate changes.
- Added a Public Works Director position, percentage allocated to this budget.
- Planned bond / debt issuance for 2022 in the estimated amount of $1,281,000.
    - 7th Ave E (Concrete Pavement) - $241,000
    - Helen Street (Concrete Pavement) - $58,000
    - 4th Avenue - $168,000
    - Ariel Street N (50% of area, cost shared) - $135,000
    - McKnight Rd (Beam to CR D) - County to Overlay in 2023 - $517,000
    - 10th Ave E Additional Watermain Work - $162,000
- Replace asset 62-617, Commuter Truck with Plow - $68,500, per the 10-year CIP Plan.
- Utility Infrastructure:
    - Tower Park Vaults - $25,000
    - Well 3 Building Rehab - $35,000
    - Well 3 Building Rehab - $35,000
    - Meter Replacement Program - $40,000
    - Watermain Break - $75,000
    - Curb Stop Program - $30,000

WATER FUND

PERSONNEL SUMMARY

Regular Employment (FTE)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Public Works Director	0.25	0.25	0.25	0.20	-	0.25
Public Works Supervisor	-	-	0.15	0.15	0.15	0.15
Public Works Service Worker	1.37	1.39	1.11	1.25	1.25	1.25
City Mechanic	-	-	-	0.10	0.10	0.10
FT Utility Billing Staff	0.56	0.56	0.56	0.40	0.25	0.40
PT Customer Service Specialist	0.35	0.27	0.27	0.50	0.50	-
Utility Billing Coordinator	-	-	-	-	-	0.20
City Manager	0.03	0.03	0.03	0.03	0.03	0.03
Total FTE	2.56	2.50	2.37	2.63	2.28	2.38
Inc/(Dec) From Previous Year		(0.06)	(0.13)	0.26	(0.35)	0.10

Seasonal Employment (Hours)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Seasonal	1,072	1,072	1,072	1,072	1,072	1,072

NORTH ST.PAUL extraordinary.

CITY OF NORTH ST. PAUL, MINNESOTA
WATER FUND
SUMMARY OF REVENUES, EXPENDITURES, AND CHANGES IN NET POSITION
2022 BUDGET

	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget	Variance from 2021 Budget to 2022 Budget Positve (Negative)	
REVENUES								
CHARGES FOR SERVICES	1,754,289	1,788,964	1,808,715	1,994,698	1,751,550	1,751,550	-	0%
AD VALOREM TAXES	-	-	-	-	-	-	-	0%
OTHER FINANCING SOURCES	3,673	3,390	10,543	12,892	12,982	12,982	-	0%
INTERGOVERNMENTAL	-	-	-	14,692	-	-	-	0%
OTHER	31,631	51,656	154,362	61,146	1,000	1,000	-	0%
OTHER TAXES	-	-	-	-	-	-	-	0%
PERMITS	-	-	-	-	-	-	-	0%
SPECIAL ASSESSMENTS	581	388	603	1,027	-	-	-	0%
FINES	30,297	33,584	32,511	7,110	3,500	3,500	-	0%
LICENSES	-	-	-	-	-	-	-	0%
TOTAL REVENUES	**1,820,471**	**1,877,982**	**2,006,734**	**2,091,565**	**1,769,032**	**1,769,032**	**-**	**0%**
EXPENDITURES								
PERSONNEL	151,667	164,410	166,954	171,054	179,046	218,103	39,057	22%
BENEFITS	71,752	69,560	99,732	11,898	60,833	86,415	25,582	42%
PROFESSIONAL SERVICES	141,448	169,318	252,661	203,737	234,898	264,398	29,500	13%
INTERNAL SERVICES	41,468	66,079	120,572	117,768	118,843	67,475	(51,368)	-43%
OPERATING	126,317	171,795	183,417	242,243	250,879	250,879	-	0%
OTHER FINANCING USES	205,000	205,000	205,000	205,000	205,000	205,000	-	0%
CAPITAL	167,070	194,616	209,785	205,280	205,280	254,500	49,220	24%
OTHER	19	1,085	28	166	171	10,171	10,000	5848%
DEBT	75,188	104,958	121,678	133,241	120,418	106,244	(14,174)	-12%
TOTAL EXPENDITURES	**979,929**	**1,146,821**	**1,359,827**	**1,290,387**	**1,375,368**	**1,463,185**	**87,817**	**6%**
CHANGE IN NET POSITION	**840,542**	**731,161**	**646,907**	**801,178**	**393,664**	**305,847**		

CITY OF NORTH ST. PAUL, MINNESOTA
WATER FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(36010) Administration Charges						
(36020) Searches						
(36030) Over/Under Misc Revenue						
(36040) Sidewalk Snow Removal						
(36090) Maplewood Utility Billing Fee						
(36120) Pawn Shop Transaction Fees						
(36410) Park Rental Fees						
(36420) Canoe Rentals						
(36430) Recreation Outdoor Program						
(36440) Park Dedication Fees						
(36515) Residential Overhead Sales						
(36570) Large Commercial Sales						
(36595) Green Power Sales						
(36599) City Used Utilities						
(36615) Residential Water Sales	1,355,621	1,374,522	1,372,951	1,505,781	1,364,750	1,364,750
(36625) Commercial Water Sales	398,668	419,842	430,064	470,317	381,100	381,100
(36645) Residential Sewer Sales						
(36655) Commercial Sewer Sales						
(36670) Residential Surface Serv Charg						
(36710) Garbage Sales						
(36720) Recycling Sales						
(36730) Yard Waste Sales						
(36740) Bulk Pick Up Sales						
(36790) Fiber Service						
(36795) Fiber Service - NSP						
(36810) ISF Charges for Service						
(36820) ISF Charges - Ancillary						
(36910) Misc Charges for Services						
(36920) Connection Charges	0	-5,400	5,700	18,600	5,700	5,700
(40130) Seasonal Employees						
TOTAL CHARGES FOR SERVICES	**1,754,289**	**1,788,964**	**1,808,715**	**1,994,698**	**1,751,550**	**1,751,550**
(30010) Current Property Tax						
(30020) Delinquent Property Tax						
(30030) Penalty and Interest						
(30040) Tax Increment Excess						
(30110) Tax Increment						
TOTAL AD VALOREM TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(39010) Transfer from other Funds						
(39020) Contributed Capital Asset						
(39110) Proceeds on Debt						
(39120) Proceeds on Debt - Bond Prem	3,673	3,390	10,543	12,892	12,982	12,982
(39210) OFS - Contract for Deed						
TOTAL OTHER FINANCING SOURCES	**3,673**	**3,390**	**10,543**	**12,892**	**12,982**	**12,982**
(35010) Federal Grants						
(35110) State Grants	0	0	0	0	0	0
(35120) State LGA						
(35130) State AID - MSA Maintenance						
(35140) State Aid - Construction						
(35150) State Fire Aid						
(35160) Police Aid						
(35190) PERA Aid						
(35210) County Grants						
(35220) County Fire Training						
(35330) ISD 622 Community School						
(35340) Liaison Officer						
(35900) Other Grants	0	0	0	14,692	0	0
TOTAL INTERGOVERNMENTAL	**-**	**-**	**-**	**14,692**	**-**	**-**

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(38010) Investment Income	33,670	60,317	91,044	45,631	1,000	1,000
(38015) Interfund Loan Interest						
(38020) Market Value Adjustment	-9,527	-10,587	51,809	2,012	0	0
(38030) Rental Income						
(38050) Meter Sales - Remote	2,175	830	7,370	6,804	0	0
(38060) Antenna Income						
(38070) Hauler Rebate						
(38080) NSF Check Fee						
(38090) Phone Payment Fee						
(38110) Donations						
(38210) Misc Revenue Non-Taxable	404	1	3,500	5,790	0	0
(38220) Miscellaneous Revenue Taxable						
(38410) Park Fund - Advertising						
(38610) Refunds and Reimbursements						
(38710) Sale of Goods and Property	4,850	0	328	541	0	0
(38810) Pension Contributions	59	1,095	311	368	0	0
TOTAL OTHER	**31,631**	**51,656**	**154,362**	**61,146**	**1,000**	**1,000**
(31010) Electric Franchise						
(31020) Gas Franchise						
(31030) Cable Franchise						
(31080) County Gravel Tax						
TOTAL OTHER TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(34010) Building Permit						
(34110) Electric Inspection						
(34120) Heating/Air Cond. Permit						
(34130) Plumbing Permit						
(34210) Rental Fee/Inspection						
(34220) Right-of-Way						
(34890) Animal License						
(34910) Misc Permits						
TOTAL PERMITS	**-**	**-**	**-**	**-**	**-**	**-**
(32010) Special Assessment Current	0	0	0	0	0	0
(32020) Special Assessment Delinquent	0	0	0	0	0	0
(32030) Spec Assess Penalty & Interest	581	388	603	1,027	0	0
(32110) Spec Assess Prepaid to County						
(32120) Spec Assess Prepaid to City						
(32130) Spec Assess Int Prepay to City						
(32210) Nuisance Abatement						
TOTAL SPECIAL ASSESSMENTS	**581**	**388**	**603**	**1,027**	**-**	**-**
(37010) Court Fines						
(37110) Utility Penalty Charge	30,297	33,584	32,511	7,110	3,500	3,500
TOTAL FINES	**30,297**	**33,584**	**32,511**	**7,110**	**3,500**	**3,500**
(33010) Liquor and Beer License						
(33110) Cigarette License						
(33210) Contractor License						
(33310) Garbage License						
(33410) Pawn Shop						
(33910) Misc License						
TOTAL LICENSES	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**1,820,471**	**1,877,982**	**2,006,734**	**2,091,565**	**1,769,032**	**1,769,032**

CITY OF NORTH ST. PAUL, MINNESOTA
WATER FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(40110) Full-Time Employees - Regular	139,894	137,704	141,423	152,363	135,059	184,896
(40115) Full-Time Employees - Overtime	3,323	7,697	13,220	8,605	15,000	15,000
(40120) Part-Time Employees	8,450	19,009	12,311	10,086	27,478	256
(40130) Seasonal Employees	0	0	0	0	0	16,080
(40140) Internships						
(40210) Post Employment Severance	0	0	0	0	1,509	1,871
(40215) Severance Payout						
TOTAL PERSONNEL	**151,667**	**164,410**	**166,954**	**171,054**	**179,046**	**218,103**
(41110) Deferred Compensation	4,563	4,847	5,031	5,407	4,643	10,162
(41120) PERA Contribution	11,198	12,198	12,188	11,852	12,109	15,299
(41130) FICA Contribution	9,190	10,495	9,991	10,119	11,295	13,833
(41140) Medicare Contribution	2,149	2,454	2,337	2,366	2,642	3,247
(41150) Educ Assistance Contribution						
(41210) Health Insurance	25,611	29,356	23,787	17,157	17,580	17,324
(41215) HSA Employer Contribution	0	0	0	0	0	3,432
(41220) Dental Insurance	0	0	0	0	0	2,404
(41230) Long-term Disability Insurance	0	0	0	0	0	776
(41240) Life Insurance	0	0	0	0	0	111
(41250) Workers Compensation Insurance	7,771	8,459	6,100	9,757	12,564	15,720
(41260) Unemployment Claims						
(41270) City Volunteer Insurance						
(41310) Pension Expense	11,270	1,093	27,571	-24,430	0	0
(41320) OPEB Expense	0	658	12,727	-20,330	0	0
(41810) Uniforms Allowance	0	0	0	0	0	405
(41820) Communication Device Allowance	0	0	0	0	0	216
(41830) Travel & Mileage Allowance	0	0	0	0	0	126
(41910) Cash in Lieu of Benefits	0	0	0	0	0	3,360
TOTAL BENEFITS	**71,752**	**69,560**	**99,732**	**11,898**	**60,833**	**86,415**
(42010) Contract and Consulting Serv	47,819	53,443	111,092	71,807	65,000	65,000
(42020) Financial Services	10,295	7,653	7,595	7,843	2,898	5,898
(42030) Legal Services	0	7,414	6,661	0	0	0
(42040) Planning Services	0	0	880	0	3,000	3,000
(42050) Engineering Services	15,591	19,908	30,195	19,121	25,000	25,000
(42060) Software and Technology Serv	28,965	33,033	46,615	28,507	30,000	30,000
(42070) Janitorial Services						
(42110) Sanitation and Recycling Serv						
(42310) Personnel Testing	341	0	0	231	12,000	12,000
(42320) Printing and Binding	12,077	21,090	22,657	24,284	25,000	51,500
(42410) Contracted Repair and Maint	26,360	26,777	26,966	51,944	72,000	72,000
TOTAL PROFESSIONAL SERVICES	**141,448**	**169,318**	**252,661**	**203,737**	**234,898**	**264,398**
(44010) General Liability Insurance (IS Allocation)	972	2,867	3,573	4,320	4,601	4,900
(44020) Property Insurance (IS Allocation)	3,560	2,773	4,164	5,969	5,747	6,121
(44030) Automotive Insurance (IS Allocation)	1,922	642	766	946	812	865
(46010) Fiber Service (IS Allocation)	0	0	17,198	18,316	19,506	20,774
(46110) Building Maint (IS Allocation)	0	15,835	13,271	16,627	16,627	17,126
(46210) City Mechanic (IS Allocation)	5,547	14,128	28,000	4,990	4,950	4,950
(46310) Equipment (IS Allocation)	29,467	29,834	53,600	53,600	53,600	0
(46410) Information Technology (IS Allocation)	0	0	0	13,000	13,000	12,739
TOTAL INTERNAL SERVICES	**41,468**	**66,079**	**120,572**	**117,768**	**118,843**	**67,475**
(43010) Office Supplies	0	0	0	18	100	100
(43015) Training Supplies						

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(43020) Operating Supplies	12,194	19,515	27,077	37,323	49,700	49,700
(43025) Cleaning Supplies						
(43030) Small Tools and Minor Equip	4,513	2,937	4,079	7,203	5,000	5,000
(43040) Maintenance Materials	11,730	28,835	22,254	40,652	25,000	25,000
(43050) Sand and Salt Materials						
(43055) Signs and Sign Materials	0	0	0	0	0	0
(43060) Uniforms	2,036	2,689	3,073	3,414	4,000	4,000
(43070) City Mechanic Supplies	0	0	0	10,447	20,379	20,379
(43075) City Mechanic Shop Charge	0	0	0	400	400	400
(43080) Motor Fuels	2,183	6,005	6,201	4,205	5,000	5,000
(43110) Copier Lease	0	870	1,163	1,982	3,600	3,600
(43210) Communications Devices	0	0	110	955	2,500	2,500
(43220) Postage	1,184	954	1,131	778	1,200	1,200
(43230) Dues and Subscriptions	250	308	229	477	5,000	5,000
(43240) Advertising and Legal Notices	0	0	0	0	0	0
(43310) Training and Travel	2,099	1,366	27	3,726	3,000	3,000
(43390) Fire Relief Contribution						
(43410) Utilities	90,128	108,316	118,073	111,952	111,000	111,000
(43420) Power Purchase						
(43430) Green Power and Clean Energy						
(43510) Collected for Other Agencies	0	0	0	18,711	15,000	15,000
(43710) Animal Shelter Fees						
TOTAL OPERATING	**126,317**	**171,795**	**183,417**	**242,243**	**250,879**	**250,879**
(49010) Transfer to other Funds	205,000	205,000	205,000	205,000	205,000	205,000
TOTAL OTHER FINANCING USES	**205,000**	**205,000**	**205,000**	**205,000**	**205,000**	**205,000**
(47010) Land						
(47110) Furniture and Fixtures						
(47120) Office Equipment	0	398	0	0	0	0
(47130) Field Equipment	0	0	4,505	0	0	0
(47210) Vehicles	0	0	0	0	0	68,500
(47310) Infrastructure Improvements	0	0	0	0	0	240,000
(47410) Buildings and Other Improv						
(47810) Depreciation	167,070	194,218	205,280	205,280	205,280	-54,000
(47910) Loss/Disposal/Abandonment						
TOTAL CAPITAL	**167,070**	**194,616**	**209,785**	**205,280**	**205,280**	**254,500**
(44410) Grant Awards						
(44970) Payments to Developers						
(44110) Bad Debt Expense	19	352	0	-8	0	0
(44910) Miscellaneous	0	733	28	174	171	171
(44310) Interest Expense Cust Deposits						
(44230) Credit Card Processing	0	0	0	0	0	10,000
(44930) Awards and Indemnities						
(44090) Other Insurance						
TOTAL OTHER	**19**	**1,085**	**28**	**166**	**171**	**10,171**
(48010) Bonding and Debt - Principal						
(48020) Bonding and Debt - Interest	75,188	80,788	120,625	115,295	114,959	104,744
(48030) Bonding and Debt - Other	0	24,170	943	17,272	4,909	500
(48040) Bank Charges - Debt	0	0	110	674	550	1,000
TOTAL DEBT	**75,188**	**104,958**	**121,678**	**133,241**	**120,418**	**106,244**
TOTAL	**979,929**	**1,146,821**	**1,359,827**	**1,290,387**	**1,375,368**	**1,463,185**

WASTE WATER FUND

ACTIVITY MANAGER

Ron Ritchie, Public Works Director
Ron.Ritchie@northstpaul.org
651-747-2556

DESCRIPTION OF ACTIVITY

This activity provides wastewater collection and treatment and wastewater and drainage billing for over 4,500 customers. The City maintains the manholes, sewer pipe, and lift stations to ensure proper waste water drainage to interceptor sewers operated by the Metropolitan Council. The waste water is then transported to Metropolitan Council treatment plants. The City has a sanitary sewer-cleaning program that includes cleaning the sanitary sewers on a 3-year revolving schedule.

DEPARTMENT SERVICES

Collection System Maintenance	Lift Station Maintenance
Annual Sewer Cleaning	Conveyance of Waste Water

OBJECTIVES AND PRIORITIES

- Reduce waste and prevent pollution in the wastewater collection system.
- Environmental compliance with Metropolitan Council standards.
- Monitor wastewater collection system and provide maintenance.
- Develop and plan additions to the wastewater collection system in conjunction with street reconstruction, new development, and redevelopment.
- Ensure the sewer line is clean of debris and check joints for proper sealing.

IMPACT MEASURES / PERFORMANCE INDICATORS

Item	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Actual 2021	Projected 2022
Miles of Sewer	45.9	45.9	46.34	46.84	46.84	46.84
No. of Lift Stations	4	4	4	4	4	4
Miles of Sewer Cleaned/Inspected	7.4	11.9	15.44	31.25	16	16
Feet of Sewer Reconstructed	6,900	8,160	8,883	9,813	9,813	15,518
Number of Sewer Backups	-	3	1	2	2	2

BUDGET HIGHLIGHTS

- No proposed rate changes.
- Added a Public Works Director position, percentage allocated to this budget.
- Planned bond / debt issuance for 2022 in the estimated amount of $1,187,000.
    - Helen Street (Concrete Pavement) - $151,000
    - 4th Avenue - $160,000
    - 10th Ave E, 2nd St N, N High Service Road, 7th Ave Alley, 4th Ave, 6th Ave sanitary sewer work - $876,000
- Replace asset 72-618, Commuter Truck with Plow - $55,000, per the 10-year CIP Plan.
- Televising/Sewer Cleaning - $121,467, per the 10-year CIP Plan.

WASTE WATER FUND

PERSONNEL SUMMARY

Regular Employment (FTE)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Public Works Director	0.25	0.25	0.25	0.20	-	0.25
Public Works Supervisor	-	-	-	0.15	0.15	0.15
Public Works Service Worker	1.33	1.33	1.30	1.25	1.25	1.25
City Mechanic	-	-	-	0.05	0.05	0.05
FT Utility Billing Staff	0.26	0.36	0.36	0.30	0.15	0.20
PT Customer Service Specialist	0.16	0.15	0.15	0.13	0.13	-
Utility Billing Coordinator	-	-	-	-	-	0.10
City Manager	0.03	0.03	0.03	0.03	0.03	0.03
Total FTE	2.03	2.12	2.09	2.11	1.76	2.03
Inc/(Dec) From Previous Year		0.09	(0.03)	0.02	(0.35)	0.27

Seasonal Employment (Hours)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Seasonal	536	536	536	536	536	536

CITY OF NORTH ST. PAUL, MINNESOTA
WASTE WATER FUND
SUMMARY OF REVENUES, EXPENDITURES, AND CHANGES IN NET POSITION
2022 BUDGET

	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget	Variance from 2021 Budget to 2022 Budget Positve (Negative)	
REVENUES								
CHARGES FOR SERVICES	2,023,884	2,149,315	2,280,972	2,466,741	2,439,004	2,439,004	-	0%
AD VALOREM TAXES	-	-	-	-	-	-	-	0%
OTHER FINANCING SOURCES	8,357	8,572	16,025	118,876	16,089	16,089	-	0%
INTERGOVERNMENTAL	-	-	186,960	-	-	-	-	0%
OTHER	67,645	47,276	111,307	32,165	2,500	2,500	-	0%
OTHER TAXES	-	-	-	-	-	-	-	0%
PERMITS	-	-	-	-	-	-	-	0%
SPECIAL ASSESSMENTS	470	919	582	431	-	-	-	0%
FINES	39,327	43,758	44,383	10,245	5,000	5,000	-	0%
LICENSES	-	-	-	-	-	-	-	0%
TOTAL REVENUES	**2,139,683**	**2,249,840**	**2,640,229**	**2,628,458**	**2,462,593**	**2,462,593**	**-**	**0%**
EXPENDITURES								
PERSONNEL	145,248	137,886	152,830	150,950	144,273	178,581	34,308	24%
BENEFITS	53,744	46,035	85,641	29,297	52,244	74,136	21,892	42%
PROFESSIONAL SERVICES	1,020,022	1,148,296	1,108,630	1,165,044	1,113,761	1,222,154	108,393	10%
INTERNAL SERVICES	78,030	100,606	147,616	140,604	141,378	63,040	(78,338)	-55%
OPERATING	20,262	31,169	33,329	45,552	68,066	68,066	-	0%
OTHER FINANCING USES	145,000	145,000	145,000	145,000	145,000	145,000	-	0%
CAPITAL	89,081	141,332	213,555	231,490	205,103	176,467	(28,636)	-14%
OTHER	(192)	25,782	-	(16)	-	10,000	10,000	0%
DEBT	123,882	140,338	149,572	148,000	127,331	128,831	1,500	1%
TOTAL EXPENDITURES	**1,675,077**	**1,916,444**	**2,036,173**	**2,055,921**	**1,997,156**	**2,066,275**	**69,119**	**3%**
CHANGE IN NET POSITION	**464,606**	**333,396**	**604,056**	**572,537**	**465,437**	**396,318**		

CITY OF NORTH ST. PAUL, MINNESOTA
WASTE WATER FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(36010) Administration Charges						
(36020) Searches						
(36030) Over/Under Misc Revenue						
(36040) Sidewalk Snow Removal						
(36090) Maplewood Utility Billing Fee	5,889	5,905	5,888	5,906	4,000	4,000
(36120) Pawn Shop Transaction Fees						
(36410) Park Rental Fees						
(36420) Canoe Rentals						
(36430) Recreation Outdoor Program						
(36440) Park Dedication Fees						
(36515) Residential Overhead Sales						
(36570) Large Commercial Sales						
(36595) Green Power Sales						
(36599) City Used Utilities						
(36615) Residential Water Sales						
(36625) Commercial Water Sales						
(36645) Residential Sewer Sales	1,688,332	1,790,745	1,887,074	2,029,018	2,022,322	2,022,322
(36655) Commercial Sewer Sales	329,663	354,765	382,310	413,367	412,682	412,682
(36670) Residential Surface Serv Charg						
(36710) Garbage Sales						
(36720) Recycling Sales						
(36730) Yard Waste Sales						
(36740) Bulk Pick Up Sales						
(36790) Fiber Service						
(36795) Fiber Service - NSP						
(36810) ISF Charges for Service						
(36820) ISF Charges - Ancillary						
(36910) Misc Charges for Services						
(36920) Connection Charges	0	-2,100	5,700	18,450	0	0
(40130) Seasonal Employees						
TOTAL CHARGES FOR SERVICES	**2,023,884**	**2,149,315**	**2,280,972**	**2,466,741**	**2,439,004**	**2,439,004**
(30010) Current Property Tax						
(30020) Delinquent Property Tax						
(30030) Penalty and Interest						
(30040) Tax Increment Excess						
(30110) Tax Increment						
TOTAL AD VALOREM TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(39010) Transfer from other Funds	0	0	0	102,787	0	0
(39020) Contributed Capital Asset						
(39110) Proceeds on Debt						
(39120) Proceeds on Debt - Bond Prem	8,357	8,572	16,025	16,089	16,089	16,089
(39210) OFS - Contract for Deed						
TOTAL OTHER FINANCING SOURCES	**8,357**	**8,572**	**16,025**	**118,876**	**16,089**	**16,089**
(35010) Federal Grants						
(35110) State Grants						
(35120) State LGA						
(35130) State AID - MSA Maintenance						
(35140) State Aid - Construction						
(35150) State Fire Aid						
(35160) Police Aid						
(35190) PERA Aid						
(35210) County Grants						
(35220) County Fire Training						
(35330) ISD 622 Community School						
(35340) Liaison Officer						
(35900) Other Grants	0	0	186,960	0	0	0
TOTAL INTERGOVERNMENTAL	**-**	**-**	**186,960**	**-**	**-**	**-**

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(38010) Investment Income	37,423	53,702	70,062	29,746	2,500	2,500
(38015) Interfund Loan Interest						
(38020) Market Value Adjustment	-11,707	-11,868	40,975	1,665	0	0
(38030) Rental Income						
(38050) Meter Sales - Remote						
(38060) Antenna Income						
(38070) Hauler Rebate						
(38080) NSF Check Fee						
(38090) Phone Payment Fee						
(38110) Donations						
(38210) Misc Revenue Non-Taxable	41,876	484	0	418	0	0
(38220) Miscellaneous Revenue Taxable						
(38410) Park Fund - Advertising						
(38610) Refunds and Reimbursements						
(38710) Sale of Goods and Property	0	4,000	0	0	0	0
(38810) Pension Contributions	53	958	270	336	0	0
TOTAL OTHER	**67,645**	**47,276**	**111,307**	**32,165**	**2,500**	**2,500**
(31010) Electric Franchise						
(31020) Gas Franchise						
(31030) Cable Franchise						
(31080) County Gravel Tax						
TOTAL OTHER TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(34010) Building Permit						
(34110) Electric Inspection						
(34120) Heating/Air Cond. Permit						
(34130) Plumbing Permit						
(34210) Rental Fee/Inspection						
(34220) Right-of-Way						
(34890) Animal License						
(34910) Misc Permits						
TOTAL PERMITS	**-**	**-**	**-**	**-**	**-**	**-**
(32010) Special Assessment Current	0	0	0	0	0	0
(32020) Special Assessment Delinquent	0	0	0	0	0	0
(32030) Spec Assess Penalty & Interest	470	919	582	431	0	0
(32110) Spec Assess Prepaid to County						
(32120) Spec Assess Prepaid to City						
(32130) Spec Assess Int Prepay to City						
(32210) Nuisance Abatement						
TOTAL SPECIAL ASSESSMENTS	**470**	**919**	**582**	**431**	**-**	**-**
(37010) Court Fines						
(37110) Utility Penalty Charge	39,327	43,758	44,383	10,245	5,000	5,000
TOTAL FINES	**39,327**	**43,758**	**44,383**	**10,245**	**5,000**	**5,000**
(33010) Liquor and Beer License						
(33110) Cigarette License						
(33210) Contractor License						
(33310) Garbage License						
(33410) Pawn Shop						
(33910) Misc License						
TOTAL LICENSES	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**2,139,683**	**2,249,840**	**2,640,229**	**2,628,458**	**2,462,593**	**2,462,593**

CITY OF NORTH ST. PAUL, MINNESOTA
WASTE WATER FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(40110) Full-Time Employees - Regular	127,256	124,869	126,641	140,686	124,318	163,876
(40115) Full-Time Employees - Overtime	3,137	6,952	6,105	5,151	5,000	5,000
(40120) Part-Time Employees	14,855	6,065	20,084	5,113	13,739	128
(40130) Seasonal Employees	0	0	0	0	0	8,040
(40140) Internships						
(40210) Post Employment Severance	0	0	0	0	1,216	1,537
(40215) Severance Payout						
TOTAL PERSONNEL	**145,248**	**137,886**	**152,830**	**150,950**	**144,273**	**178,581**
(41110) Deferred Compensation	3,863	4,301	4,377	4,982	4,123	9,431
(41120) PERA Contribution	9,937	10,677	10,587	10,772	10,126	12,963
(41130) FICA Contribution	8,746	8,710	9,461	9,257	9,125	11,402
(41140) Medicare Contribution	2,046	2,037	2,213	2,165	2,134	2,679
(41150) Educ Assistance Contribution						
(41210) Health Insurance	12,580	12,611	15,461	15,256	15,313	12,967
(41215) HSA Employer Contribution	0	0	0	0	0	2,592
(41220) Dental Insurance	0	0	0	0	0	2,002
(41230) Long-term Disability Insurance	0	0	0	0	0	702
(41240) Life Insurance	0	0	0	0	0	98
(41250) Workers Compensation Insurance	6,573	6,160	5,853	8,704	11,423	15,208
(41260) Unemployment Claims						
(41270) City Volunteer Insurance						
(41310) Pension Expense	9,999	956	40,417	-15,443	0	0
(41320) OPEB Expense	0	583	-2,728	-6,396	0	0
(41810) Uniforms Allowance	0	0	0	0	0	390
(41820) Communication Device Allowance	0	0	0	0	0	216
(41830) Travel & Mileage Allowance	0	0	0	0	0	126
(41910) Cash in Lieu of Benefits	0	0	0	0	0	3,360
TOTAL BENEFITS	**53,744**	**46,035**	**85,641**	**29,297**	**52,244**	**74,136**
(42010) Contract and Consulting Serv	26,473	23,774	13,027	45,236	21,000	21,000
(42020) Financial Services	6,138	3,160	3,136	3,729	4,158	8,358
(42030) Legal Services	540	17,479	0	0	0	0
(42040) Planning Services						
(42050) Engineering Services	27,016	41,940	6,010	4,201	2,000	2,000
(42060) Software and Technology Serv	24,968	26,040	27,196	17,728	22,000	22,000
(42070) Janitorial Services						
(42110) Sanitation and Recycling Serv	917,406	1,017,386	1,039,029	1,072,629	1,004,103	1,081,796
(42310) Personnel Testing	0	0	0	0	500	500
(42320) Printing and Binding	17,481	18,252	18,842	21,489	20,000	46,500
(42410) Contracted Repair and Maint	0	265	1,390	32	40,000	40,000
TOTAL PROFESSIONAL SERVICES	**1,020,022**	**1,148,296**	**1,108,630**	**1,165,044**	**1,113,761**	**1,222,154**
(44010) General Liability Insurance (IS Allocation)	8,614	4,151	5,543	4,315	4,595	4,894
(44020) Property Insurance (IS Allocation)	2,216	2,809	6,002	5,961	5,739	6,112
(44030) Automotive Insurance (IS Allocation)	1,518	1,245	1,512	1,880	1,613	1,718
(46010) Fiber Service (IS Allocation)	0	0	14,198	15,121	16,104	17,151
(46110) Building Maint (IS Allocation)	0	15,835	13,271	16,627	16,627	17,126
(46210) City Mechanic (IS Allocation)	4,942	14,232	26,690	3,300	3,300	3,300
(46310) Equipment (IS Allocation)	60,740	62,334	80,400	80,400	80,400	0
(46410) Information Technology (IS Allocation)	0	0	0	13,000	13,000	12,739
TOTAL INTERNAL SERVICES	**78,030**	**100,606**	**147,616**	**140,604**	**141,378**	**63,040**
(43010) Office Supplies	0	154	0	0	500	500
(43015) Training Supplies						

NORTH ST.PAUL *extraordinary.*

CITY OF NORTH ST. PAUL, MINNESOTA
WASTE WATER FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(43020) Operating Supplies	-750	1,134	0	1,250	6,000	6,000
(43025) Cleaning Supplies						
(43030) Small Tools and Minor Equip	932	4,188	0	1,738	5,000	5,000
(43040) Maintenance Materials	8,494	1,655	7,256	8,275	21,000	21,000
(43050) Sand and Salt Materials						
(43055) Signs and Sign Materials	0	0	0	0	0	0
(43060) Uniforms	1,860	1,880	1,161	3,180	3,000	3,000
(43070) City Mechanic Supplies	0	0	0	2,602	5,066	5,066
(43075) City Mechanic Shop Charge	0	0	0	220	300	300
(43080) Motor Fuels	3,212	3,274	3,448	2,524	5,000	5,000
(43110) Copier Lease	0	0	0	0	2,000	2,000
(43210) Communications Devices	1,660	1,669	1,536	1,537	1,900	1,900
(43220) Postage	1,176	952	808	723	1,800	1,800
(43230) Dues and Subscriptions	0	33	0	0	500	500
(43240) Advertising and Legal Notices	0	0	0	0	0	0
(43310) Training and Travel	793	6,501	803	5,172	4,000	4,000
(43390) Fire Relief Contribution						
(43410) Utilities	2,885	9,729	18,317	18,331	12,000	12,000
(43420) Power Purchase						
(43430) Green Power and Clean Energy						
(43510) Collected for Other Agencies						
(43710) Animal Shelter Fees						
TOTAL OPERATING	**20,262**	**31,169**	**33,329**	**45,552**	**68,066**	**68,066**
(49010) Transfer to other Funds	145,000	145,000	145,000	145,000	145,000	145,000
TOTAL OTHER FINANCING USES	**145,000**	**145,000**	**145,000**	**145,000**	**145,000**	**145,000**
(47010) Land						
(47110) Furniture and Fixtures						
(47120) Office Equipment						
(47130) Field Equipment						
(47210) Vehicles	0	0	0	0	0	55,000
(47310) Infrastructure Improvements	0	0	0	24,674	0	121,467
(47410) Buildings and Other Improv	-19,214	-15,050	8,452	0	0	0
(47810) Depreciation	108,295	156,382	205,103	206,816	205,103	0
(47910) Loss/Disposal/Abandonment						
TOTAL CAPITAL	**89,081**	**141,332**	**213,555**	**231,490**	**205,103**	**176,467**
(44410) Grant Awards						
(44970) Payments to Developers						
(44110) Bad Debt Expense	-192	0	0	-26	0	0
(44910) Miscellaneous	0	25,782	0	10	0	0
(44310) Interest Expense Cust Deposits						
(44230) Credit Card Processing	0	0	0	0	0	10,000
(44930) Awards and Indemnities						
(44090) Other Insurance						
TOTAL OTHER	**(192)**	**25,782**	**-**	**(16)**	**-**	**10,000**
(48010) Bonding and Debt - Principal						
(48020) Bonding and Debt - Interest	112,497	120,002	148,406	137,652	127,331	127,331
(48030) Bonding and Debt - Other	11,385	20,336	1,076	9,680	0	500
(48040) Bank Charges - Debt	0	0	90	668	0	1,000
TOTAL DEBT	**123,882**	**140,338**	**149,572**	**148,000**	**127,331**	**128,831**
TOTAL	**1,675,077**	**1,916,444**	**2,036,173**	**2,055,921**	**1,997,156**	**2,066,275**

SURFACE WATER FUND

ACTIVITY MANAGER
Ron Ritchie, Public Works Director
Ron.Ritchie@northstpaul.org
651-747-2556

DESCRIPTION OF ACTIVITY
This activity provides service to manage the discharge of stormwater. The goal of this department is to reduce the amount of sediment and pollutants that enter the surface water and flow into our storm sewer systems. The department is responsible for the following: public education and outreach, illicit discharge detection and elimination, construction site stormwater runoff control, post-construction stormwater management in new development and redevelopment, and stormwater pollution prevention.

DEPARTMENT SERVICES

Operation of Storm Water System	Catch Basin Clearing
Rain Garden maintenance	Street Sweeping
Storage of Water Run Off	Compliance with MS4

OBJECTIVES AND PRIORITIES

- Ensure compliance with the State of Minnesota's MS4 permitting program.
- Increase street sweeping to prevent leaves & road salt from entering storm drains.
- Inspect and perform regular surface water ponds maintenance.
- Regularly examine catch basins and repair as needed.
- Respond to reports of suspicious dumping or spills.
- Educate residents on the impact of chemicals entering the City's ponds and lakes.
- Collaborate with the Ramsey-Washington Metro and Valley Branch Watershed Districts on water management techniques and strategy
- Adhering to the Surface Water Management Plan as required by state law.

IMPACT MEASURES / PERFORMANCE INDICATORS

Item	Actual 2017	Actual 2018	Actual 2019	Projected 2020	Projected 2021	Projected 2022
Sweepings Removed (Dollars)	3,418	4,735	6,823	7,000	7,000	7,000
Miles of Storm Sewer Pipe	38.2	38.2	44.0	45.5	50	50.5
Catch Basins	1,640	1,640	1,640	1,660	1,660	1,665

BUDGET HIGHLIGHTS

- No proposed rate changes.
- Reduction in capital expenditures of $137,772.
- Added a Public Works Director position, percentage allocated to this budget.
- Planned bond / debt issuance for 2022 in the estimated amount of $979,000.
    - 7th Ave E (Concrete Pavement) - $453,000
    - Helen Street (Concrete Pavement) - $176,000
    - 4th Avenue - $350,000

SURFACE WATER FUND

PERSONNEL SUMMARY

Regular Employment (FTE)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Public Works Director	0.25	0.25	0.25	0.20	-	0.25
Public Works Supervisor	-	-	-	0.15	0.15	0.15
Public Works Service Worker	1.15	1.15	1.01	1.25	1.25	1.25
City Mechanic	-	-	-	0.05	0.05	0.05
Parks Coordinator	-	-	-	0.10	-	-
FT Utility Billing Staff	0.14	0.33	0.33	0.10	0.05	0.10
Utility Billing Coordinator	-	-	-	-	-	0.05
PT Customer Service Specialist	0.09	0.17	0.17	0.13	0.13	-
Total FTE	1.63	1.90	1.76	1.98	1.63	1.85
Inc/(Dec) From Previous Year		0.27	(0.14)	0.22	(0.35)	0.22

Seasonal Employment (Hours)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Seasonal	536	536	536	536	536	536

CITY OF NORTH ST. PAUL, MINNESOTA
SURFACE WATER FUND
SUMMARY OF REVENUES, EXPENDITURES, AND CHANGES IN NET POSITION
2022 BUDGET

	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget	Variance from 2021 Budget to 2022 Budget Positve (Negative)	
REVENUES								
CHARGES FOR SERVICES	716,538	808,179	869,028	922,505	798,250	798,250	-	0%
AD VALOREM TAXES	-	-	-	-	-	-	-	0%
OTHER FINANCING SOURCES	2,688	2,646	6,567	185,786	9,006	9,006	-	0%
INTERGOVERNMENTAL	-	-	-	753,848	-	-	-	0%
OTHER	23,166	33,913	100,443	34,757	1,000	1,000	-	0%
OTHER TAXES	-	-	-	-	-	-	-	0%
PERMITS	-	-	-	-	-	-	-	0%
SPECIAL ASSESSMENTS	162	162	229	84	-	-	-	0%
FINES	9,920	11,372	11,939	2,863	1,000	1,000	-	0%
LICENSES	-	-	-	-	-	-	-	0%
TOTAL REVENUES	**752,474**	**856,272**	**988,206**	**1,899,843**	**809,256**	**809,256**	**-**	**0%**
EXPENDITURES								
PERSONNEL	126,913	128,729	123,606	139,800	129,598	164,754	35,156	27%
BENEFITS	52,151	43,334	58,085	29,357	47,171	67,698	20,527	44%
PROFESSIONAL SERVICES	133,168	216,346	50,255	27,673	154,597	155,997	1,400	1%
INTERNAL SERVICES	45,303	55,677	76,669	76,749	76,946	39,735	(37,211)	-48%
OPERATING	3,447	4,702	9,283	6,856	29,827	29,827	-	0%
OTHER FINANCING USES	80,000	80,000	80,000	256,780	80,000	80,000	-	0%
CAPITAL	159,139	127,751	137,772	171,122	137,772	-	(137,772)	-100%
OTHER	(37)	8,535	-	(12)	-	-	-	0%
DEBT	37,014	50,894	59,303	89,248	74,316	68,283	(6,033)	-8%
TOTAL EXPENDITURES	**637,098**	**715,968**	**594,973**	**797,573**	**730,227**	**606,294**	**(123,933)**	**-17%**
CHANGE IN NET POSITION	**115,376**	**140,304**	**393,233**	**1,102,270**	**79,029**	**202,962**		

CITY OF NORTH ST. PAUL, MINNESOTA
SURFACE WATER FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(36010) Administration Charges						
(36020) Searches						
(36030) Over/Under Misc Revenue						
(36040) Sidewalk Snow Removal						
(36090) Maplewood Utility Billing Fee						
(36120) Pawn Shop Transaction Fees						
(36410) Park Rental Fees						
(36420) Canoe Rentals						
(36430) Recreation Outdoor Program						
(36440) Park Dedication Fees						
(36515) Residential Overhead Sales						
(36570) Large Commercial Sales						
(36595) Green Power Sales						
(36599) City Used Utilities						
(36615) Residential Water Sales						
(36625) Commercial Water Sales						
(36645) Residential Sewer Sales						
(36655) Commercial Sewer Sales						
(36670) Residential Surface Serv Charg	716,538	808,179	869,028	922,505	798,250	798,250
(36710) Garbage Sales						
(36720) Recycling Sales						
(36730) Yard Waste Sales						
(36740) Bulk Pick Up Sales						
(36790) Fiber Service						
(36795) Fiber Service - NSP						
(36810) ISF Charges for Service						
(36820) ISF Charges - Ancillary						
(36910) Misc Charges for Services						
(36920) Connection Charges						
(40130) Seasonal Employees						
TOTAL CHARGES FOR SERVICES	**716,538**	**808,179**	**869,028**	**922,505**	**798,250**	**798,250**
(30010) Current Property Tax						
(30020) Delinquent Property Tax						
(30030) Penalty and Interest						
(30040) Tax Increment Excess						
(30110) Tax Increment						
TOTAL AD VALOREM TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(39010) Transfer from other Funds						
(39020) Contributed Capital Asset	0	0	0	176,780	0	0
(39110) Proceeds on Debt						
(39120) Proceeds on Debt - Bond Prem	2,688	2,646	6,567	9,006	9,006	9,006
(39210) OFS - Contract for Deed						
TOTAL OTHER FINANCING SOURCES	**2,688**	**2,646**	**6,567**	**185,786**	**9,006**	**9,006**
(35010) Federal Grants						
(35110) State Grants						
(35120) State LGA						
(35130) State AID - MSA Maintenance						
(35140) State Aid - Construction	0	0	0	753,848	0	0
(35150) State Fire Aid						
(35160) Police Aid						
(35190) PERA Aid						
(35210) County Grants						
(35220) County Fire Training						
(35330) ISD 622 Community School						
(35340) Liaison Officer						
(35900) Other Grants						
TOTAL INTERGOVERNMENTAL	**-**	**-**	**-**	**753,848**	**-**	**-**

CITY OF NORTH ST. PAUL, MINNESOTA
SURFACE WATER FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(38010) Investment Income	33,891	46,196	63,860	31,271	1,000	1,000
(38015) Interfund Loan Interest						
(38020) Market Value Adjustment	-11,355	-13,520	36,338	2,757	0	0
(38030) Rental Income						
(38050) Meter Sales - Remote						
(38060) Antenna Income						
(38070) Hauler Rebate						
(38080) NSF Check Fee						
(38090) Phone Payment Fee						
(38110) Donations						
(38210) Misc Revenue Non-Taxable	580	354	0	419	0	0
(38220) Miscellaneous Revenue Taxable						
(38410) Park Fund - Advertising						
(38610) Refunds and Reimbursements						
(38710) Sale of Goods and Property						
(38810) Pension Contributions	50	883	245	310	0	0
TOTAL OTHER	**23,166**	**33,913**	**100,443**	**34,757**	**1,000**	**1,000**
(31010) Electric Franchise						
(31020) Gas Franchise						
(31030) Cable Franchise						
(31080) County Gravel Tax						
TOTAL OTHER TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(34010) Building Permit						
(34110) Electric Inspection						
(34120) Heating/Air Cond. Permit						
(34130) Plumbing Permit						
(34210) Rental Fee/Inspection						
(34220) Right-of-Way						
(34890) Animal License						
(34910) Misc Permits						
TOTAL PERMITS	**-**	**-**	**-**	**-**	**-**	**-**
(32010) Special Assessment Current	0	0	0	0	0	0
(32020) Special Assessment Delinquent	0	0	0	0	0	0
(32030) Spec Assess Penalty & Interest	162	162	229	84	0	0
(32110) Spec Assess Prepaid to County						
(32120) Spec Assess Prepaid to City						
(32130) Spec Assess Int Prepay to City						
(32210) Nuisance Abatement						
TOTAL SPECIAL ASSESSMENTS	**162**	**162**	**229**	**84**	**-**	**-**
(37010) Court Fines						
(37110) Utility Penalty Charge	9,920	11,372	11,939	2,863	1,000	1,000
TOTAL FINES	**9,920**	**11,372**	**11,939**	**2,863**	**1,000**	**1,000**
(33010) Liquor and Beer License						
(33110) Cigarette License						
(33210) Contractor License						
(33310) Garbage License						
(33410) Pawn Shop						
(33910) Misc License						
TOTAL LICENSES	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**752,474**	**856,272**	**988,206**	**1,899,843**	**809,256**	**809,256**

CITY OF NORTH ST. PAUL, MINNESOTA
SURFACE WATER FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(40110) Full-Time Employees - Regular	118,262	113,273	114,238	136,951	112,616	150,229
(40115) Full-Time Employees - Overtime	3,776	5,819	3,843	363	5,000	5,000
(40120) Part-Time Employees	4,875	9,637	5,525	2,486	10,890	64
(40130) Seasonal Employees	0	0	0	0	0	8,040
(40140) Internships						
(40210) Post Employment Severance	0	0	0	0	1,092	1,421
(40215) Severance Payout						
TOTAL PERSONNEL	**126,913**	**128,729**	**123,606**	**139,800**	**129,598**	**164,754**
(41110) Deferred Compensation	3,735	3,849	3,687	4,327	3,400	8,667
(41120) PERA Contribution	9,431	9,834	9,592	9,941	9,035	11,935
(41130) FICA Contribution	7,591	8,222	7,819	8,604	8,178	10,597
(41140) Medicare Contribution	1,775	1,923	1,828	2,011	1,913	2,478
(41150) Educ Assistance Contribution						
(41210) Health Insurance	13,204	11,552	13,952	13,536	13,338	10,726
(41215) HSA Employer Contribution	0	0	0	0	0	2,160
(41220) Dental Insurance	0	0	0	0	0	1,795
(41230) Long-term Disability Insurance	0	0	0	0	0	651
(41240) Life Insurance	0	0	0	0	0	92
(41250) Workers Compensation Insurance	6,931	6,545	3,470	8,912	11,307	14,631
(41260) Unemployment Claims						
(41270) City Volunteer Insurance						
(41310) Pension Expense	9,484	882	20,164	-12,035	0	0
(41320) OPEB Expense	0	527	-2,427	-5,939	0	0
(41810) Uniforms Allowance	0	0	0	0	0	390
(41820) Communication Device Allowance	0	0	0	0	0	216
(41830) Travel & Mileage Allowance						
(41910) Cash in Lieu of Benefits	0	0	0	0	0	3,360
TOTAL BENEFITS	**52,151**	**43,334**	**58,085**	**29,357**	**47,171**	**67,698**
(42010) Contract and Consulting Serv	56	8,005	20,775	4,826	27,500	27,500
(42020) Financial Services	4,385	4,740	4,704	4,776	1,395	2,795
(42030) Legal Services	0	32	238	0	0	0
(42040) Planning Services						
(42050) Engineering Services	59,112	37,273	7,206	17,747	40,000	40,000
(42060) Software and Technology Serv	0	704	0	0	702	702
(42070) Janitorial Services						
(42110) Sanitation and Recycling Serv	3,463	6,922	8,232	324	13,000	13,000
(42310) Personnel Testing						
(42320) Printing and Binding						
(42410) Contracted Repair and Maint	66,152	158,670	9,100	0	72,000	72,000
TOTAL PROFESSIONAL SERVICES	**133,168**	**216,346**	**50,255**	**27,673**	**154,597**	**155,997**
(44010) General Liability Insurance (IS Allocation)	538	1,464	1,812	4,315	4,596	4,895
(44020) Property Insurance (IS Allocation)	0	1,579	2,168	5,961	5,739	6,112
(44030) Automotive Insurance (IS Allocation)	1,132	0	0	0	0	0
(46010) Fiber Service (IS Allocation)	0	0	2,000	2,130	2,268	2,415
(46110) Building Maint (IS Allocation)	0	15,898	13,271	16,693	16,693	17,194
(46210) City Mechanic (IS Allocation)	11,733	10,486	19,018	2,750	2,750	2,750
(46310) Equipment (IS Allocation)	31,900	26,250	38,400	38,400	38,400	0
(46410) Information Technology (IS Allocation)	0	0	0	6,500	6,500	6,369
TOTAL INTERNAL SERVICES	**45,303**	**55,677**	**76,669**	**76,749**	**76,946**	**39,735**
(43010) Office Supplies	0	0	0	0	300	300
(43015) Training Supplies						

CITY OF NORTH ST. PAUL, MINNESOTA
SURFACE WATER FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(43020) Operating Supplies	0	0	0	0	3,000	3,000
(43025) Cleaning Supplies						
(43030) Small Tools and Minor Equip	58	0	1,700	0	2,500	2,500
(43040) Maintenance Materials	114	1,476	1,965	1,318	10,000	10,000
(43050) Sand and Salt Materials						
(43055) Signs and Sign Materials	0	0	0	0	0	0
(43060) Uniforms	350	338	521	415	1,000	1,000
(43070) City Mechanic Supplies	0	0	0	1,341	7,417	7,417
(43075) City Mechanic Shop Charge	0	0	0	160	300	300
(43080) Motor Fuels	1,975	1,509	1,814	1,894	3,500	3,500
(43110) Copier Lease	0	0	1,650	0	0	0
(43210) Communications Devices	95	35	0	98	710	710
(43220) Postage	0	0	0	0	0	0
(43230) Dues and Subscriptions	760	1,010	1,633	1,630	1,100	1,100
(43240) Advertising and Legal Notices	95	14	0	0	0	0
(43310) Training and Travel	0	320	0	0	0	0
(43390) Fire Relief Contribution						
(43410) Utilities						
(43420) Power Purchase						
(43430) Green Power and Clean Energy						
(43510) Collected for Other Agencies						
(43710) Animal Shelter Fees						
TOTAL OPERATING	**3,447**	**4,702**	**9,283**	**6,856**	**29,827**	**29,827**
(49010) Transfer to other Funds	80,000	80,000	80,000	256,780	80,000	80,000
TOTAL OTHER FINANCING USES	**80,000**	**80,000**	**80,000**	**256,780**	**80,000**	**80,000**
(47010) Land						
(47110) Furniture and Fixtures						
(47120) Office Equipment						
(47130) Field Equipment						
(47210) Vehicles						
(47310) Infrastructure Improvements	0	0	0	0	0	0
(47410) Buildings and Other Improv	52,586	0	0	33,350	0	0
(47810) Depreciation	106,553	127,751	137,772	137,772	137,772	0
(47910) Loss/Disposal/Abandonment						
TOTAL CAPITAL	**159,139**	**127,751**	**137,772**	**171,122**	**137,772**	**-**
(44410) Grant Awards						
(44970) Payments to Developers						
(44110) Bad Debt Expense	-37	50	0	-12	0	0
(44910) Miscellaneous	0	8,485	0	0	0	0
(44310) Interest Expense Cust Deposits						
(44230) Credit Card Processing						
(44930) Awards and Indemnities						
(44090) Other Insurance						
TOTAL OTHER	**(37)**	**8,535**	**-**	**(12)**	**-**	**-**
(48010) Bonding and Debt - Principal						
(48020) Bonding and Debt - Interest	32,902	38,906	58,162	70,890	73,766	66,783
(48030) Bonding and Debt - Other	4,112	11,988	1,091	17,797	550	500
(48040) Bank Charges - Debt	0	0	50	561	0	1,000
TOTAL DEBT	**37,014**	**50,894**	**59,303**	**89,248**	**74,316**	**68,283**
TOTAL	**637,098**	**715,968**	**594,973**	**797,573**	**730,227**	**606,294**

SOLID WASTE FUND

ACTIVITY MANAGER

Brian Frandle, Interim City Manager
Brian.Frandle@northstpaul.org
651-747-2436

DESCRIPTION OF ACTIVITY

This activity contracts with an outside vendor to facilitate and organize coordinated garbage, recycling, yard waste, and pay per item bulk pickup for over 3,500 residents. Residents are charged a monthly fee for the disposal (tipping), pickup and hauling, solid waste management tax administered by the State of Minnesota (9.75%) and Ramsey County Environmental Charge (28% for residential accounts). This department is responsible for billing, customer service and solid waste education. Tennis Sanitation, L.L.C. has served as waste collector for the City since September 2019.

DEPARTMENT SERVICES

Coordinated Residential Service	Recycling
Garbage	Paid on Call Bulk Pick Up
Yard Waste	Textile Recycling

OBJECTIVES AND PRIORITIES

- Monitor rates in an effort to get the best prices for North St. Paul residents.
- Collaborate with Tennis Sanitation, LLC on all solid waste issues.
- Continue offering weekly recycling to reduce unnecessary landfill.
- Provide *extraordinary* customer service to all community members.
- Process recycling charges for Maplewood residents with North St. Paul Electric services.

IMPACT MEASURES / PERFORMANCE INDICATORS

Item	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Projected 2021	Projected 2022
32 Gallon Service	406	389	417	411	415	418
68 Gallon Service	1,509	1,520	1,523	1,586	1,612	1,635
95 Gallon Service	1,548	1,556	1,515	1,526	1,537	1,540
163 Gallon Service	30	31	31	30	35	36
Commercial Accounts	8	8	8	11	14	14
Residential Recycling Only Accounts	40	37	48	48	36	40

IMPACT MEASURES / PERFORMANCE INDICATORS CONTINUED

BUDGET HIGHLIGHTS

- No proposed rate changes for residential & commercial accounts.
- Rates increased from city-wide hauler (Tennis) by 3%.
- Tipping fee increase from $84 / ton to $87 / ton.
- Score Grant projected to be $27,000.
- Purchase of 400 lids at $20 per lid (minimum order is 200 lids per size).

SOLID WASTE FUND

PERSONNEL SUMMARY

Regular Employment (FTE)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
Public Works Service Worker	0.39	0.39	0.39	-	-	-
Utility Billing Coordinator	-	-	-	-	-	0.15
FT Utility Billing Staff	-	0.19	0.19	0.30	0.10	0.40
PT Customer Service Specialist	-	0.24	0.24	0.25	0.25	-
City Manager	-	-	-	0.02	0.02	0.02
Total FTE	0.39	0.82	0.82	0.57	0.37	0.57
Inc/(Dec) From Previous Year		0.43	-	(0.25)	(0.20)	0.20

CITY OF NORTH ST. PAUL, MINNESOTA
SOLID WASTE FUND
SUMMARY OF REVENUES, EXPENDITURES, AND CHANGES IN NET POSITION
2022 BUDGET

	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget	Variance from 2021 Budget to 2022 Budget Positve (Negative)	
REVENUES								
CHARGES FOR SERVICES	1,024,831	1,064,631	1,043,486	976,481	944,892	991,392	46,500	5%
AD VALOREM TAXES	-	-	-	-	-	-	-	0%
OTHER FINANCING SOURCES	1,129	1,016	1,618	1,254	1,254	1,254	-	0%
INTERGOVERNMENTAL	26,239	32,167	134,093	29,315	27,000	27,000	-	0%
OTHER	56,495	52,843	69,653	13,626	4,150	4,150	-	0%
OTHER TAXES	-	-	-	-	-	-	-	0%
PERMITS	-	-	-	-	-	-	-	0%
SPECIAL ASSESSMENTS	327	280	174	59	-	-	-	0%
FINES	27,991	29,905	28,451	5,859	2,500	2,500	-	0%
LICENSES	-	-	-	-	-	-	-	0%
TOTAL REVENUES	**1,137,012**	**1,180,842**	**1,277,475**	**1,026,594**	**979,796**	**1,026,296**	**46,500**	**5%**
EXPENDITURES								
PERSONNEL	51,596	53,896	68,680	29,186	24,633	34,131	9,498	39%
BENEFITS	17,988	(8,847)	16,918	9,257	6,794	16,115	9,321	137%
PROFESSIONAL SERVICES	904,678	933,683	919,651	846,038	877,892	909,078	31,186	4%
INTERNAL SERVICES	-	3,177	5,678	-	-	-	-	0%
OPERATING	103	98	111	-	-	-	-	0%
OTHER FINANCING USES	60,000	60,000	60,000	60,000	60,000	60,000	-	0%
CAPITAL	5,375	-	475,914	17,662	8,000	8,000	-	0%
OTHER	20	2,838	-	(40)	-	-	-	0%
DEBT	8,775	7,671	6,831	6,212	4,723	3,889	(834)	-18%
TOTAL EXPENDITURES	**1,048,535**	**1,052,516**	**1,553,783**	**968,315**	**982,042**	**1,031,213**	**49,171**	**5%**
CHANGE IN NET POSITION	**88,477**	**128,326**	**(276,308)**	**58,279**	**(2,246)**	**(4,917)**		

CITY OF NORTH ST. PAUL, MINNESOTA
SOLID WASTE FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(36010) Administration Charges						
(36020) Searches						
(36030) Over/Under Misc Revenue						
(36040) Sidewalk Snow Removal						
(36090) Maplewood Utility Billing Fee						
(36120) Pawn Shop Transaction Fees						
(36410) Park Rental Fees						
(36420) Canoe Rentals						
(36430) Recreation Outdoor Program						
(36440) Park Dedication Fees						
(36515) Residential Overhead Sales						
(36570) Large Commercial Sales						
(36595) Green Power Sales						
(36599) City Used Utilities						
(36615) Residential Water Sales						
(36625) Commercial Water Sales						
(36645) Residential Sewer Sales						
(36655) Commercial Sewer Sales						
(36670) Residential Surface Serv Charg						
(36710) Garbage Sales	648,458	670,092	622,426	512,156	502,518	521,018
(36720) Recycling Sales	143,931	150,124	210,772	322,399	319,662	326,162
(36730) Yard Waste Sales	94,610	101,583	105,917	112,830	106,512	118,012
(36740) Bulk Pick Up Sales	137,832	142,832	104,371	29,096	16,200	26,200
(36790) Fiber Service						
(36795) Fiber Service - NSP						
(36810) ISF Charges for Service						
(36820) ISF Charges - Ancillary						
(36910) Misc Charges for Services						
(36920) Connection Charges						
(40130) Seasonal Employees						
TOTAL CHARGES FOR SERVICES	**1,024,831**	**1,064,631**	**1,043,486**	**976,481**	**944,892**	**991,392**
(30010) Current Property Tax						
(30020) Delinquent Property Tax						
(30030) Penalty and Interest						
(30040) Tax Increment Excess						
(30110) Tax Increment						
TOTAL AD VALOREM TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(39010) Transfer from other Funds						
(39020) Contributed Capital Asset						
(39110) Proceeds on Debt						
(39120) Proceeds on Debt - Bond Prem	1,129	1,016	1,618	1,254	1,254	1,254
(39210) OFS - Contract for Deed						
TOTAL OTHER FINANCING SOURCES	**1,129**	**1,016**	**1,618**	**1,254**	**1,254**	**1,254**
(35010) Federal Grants						
(35110) State Grants						
(35120) State LGA						
(35130) State AID - MSA Maintenance						
(35140) State Aid - Construction						
(35150) State Fire Aid						
(35160) Police Aid						
(35190) PERA Aid						
(35210) County Grants						
(35220) County Fire Training						
(35330) ISD 622 Community School						
(35340) Liaison Officer						
(35900) Other Grants	26,239	32,167	134,093	29,315	27,000	27,000
TOTAL INTERGOVERNMENTAL	**26,239**	**32,167**	**134,093**	**29,315**	**27,000**	**27,000**

CITY OF NORTH ST. PAUL, MINNESOTA
SOLID WASTE FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(38010) Investment Income	15,448	18,930	21,113	9,789	1,000	1,000
(38015) Interfund Loan Interest						
(38020) Market Value Adjustment	-5,174	-6,712	13,668	577	0	0
(38030) Rental Income						
(38050) Meter Sales - Remote						
(38060) Antenna Income						
(38070) Hauler Rebate	45,135	37,710	32,290	0	0	0
(38080) NSF Check Fee						
(38090) Phone Payment Fee						
(38110) Donations						
(38210) Misc Revenue Non-Taxable	1,066	447	0	0	0	0
(38220) Miscellaneous Revenue Taxable						
(38410) Park Fund - Advertising						
(38610) Refunds and Reimbursements	0	2,468	2,582	3,260	3,150	3,150
(38710) Sale of Goods and Property						
(38810) Pension Contributions	20	0	0	0	0	0
TOTAL OTHER	**56,495**	**52,843**	**69,653**	**13,626**	**4,150**	**4,150**
(31010) Electric Franchise						
(31020) Gas Franchise						
(31030) Cable Franchise						
(31080) County Gravel Tax						
TOTAL OTHER TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(34010) Building Permit						
(34110) Electric Inspection						
(34120) Heating/Air Cond. Permit						
(34130) Plumbing Permit						
(34210) Rental Fee/Inspection						
(34220) Right-of-Way						
(34890) Animal License						
(34910) Misc Permits						
TOTAL PERMITS	**-**	**-**	**-**	**-**	**-**	**-**
(32010) Special Assessment Current	0	0	0	0	0	0
(32020) Special Assessment Delinquent	0	0	0	0	0	0
(32030) Spec Assess Penalty & Interest	327	280	174	59	0	0
(32110) Spec Assess Prepaid to County						
(32120) Spec Assess Prepaid to City						
(32130) Spec Assess Int Prepay to City						
(32210) Nuisance Abatement						
TOTAL SPECIAL ASSESSMENTS	**327**	**280**	**174**	**59**	**-**	**-**
(37010) Court Fines						
(37110) Utility Penalty Charge	27,991	29,905	28,451	5,859	2,500	2,500
TOTAL FINES	**27,991**	**29,905**	**28,451**	**5,859**	**2,500**	**2,500**
(33010) Liquor and Beer License						
(33110) Cigarette License						
(33210) Contractor License						
(33310) Garbage License						
(33410) Pawn Shop						
(33910) Misc License						
TOTAL LICENSES	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**1,137,012**	**1,180,842**	**1,277,475**	**1,026,594**	**979,796**	**1,026,296**

CITY OF NORTH ST. PAUL, MINNESOTA
SOLID WASTE FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(40110) Full-Time Employees - Regular	40,079	42,368	53,797	16,662	10,177	33,523
(40115) Full-Time Employees - Overtime	1,372	2,238	1,860	0	0	0
(40120) Part-Time Employees	10,145	9,290	13,023	12,524	14,248	320
(40130) Seasonal Employees						
(40140) Internships						
(40210) Post Employment Severance	0	0	0	0	208	288
(40215) Severance Payout						
TOTAL PERSONNEL	**51,596**	**53,896**	**68,680**	**29,186**	**24,633**	**34,131**
(41110) Deferred Compensation	1,120	1,358	1,948	1,062	1,003	1,449
(41120) PERA Contribution	3,812	4,160	5,130	2,108	1,832	2,538
(41130) FICA Contribution	3,010	3,233	4,078	1,781	1,577	2,068
(41140) Medicare Contribution	704	756	954	416	369	492
(41150) Educ Assistance Contribution						
(41210) Health Insurance	5,513	6,254	8,763	3,679	1,820	7,097
(41215) HSA Employer Contribution	0	0	0	0	0	1,368
(41220) Dental Insurance	0	0	0	0	0	655
(41230) Long-term Disability Insurance	0	0	0	0	0	101
(41240) Life Insurance	0	0	0	0	0	16
(41250) Workers Compensation Insurance	0	1,237	1,065	211	193	247
(41260) Unemployment Claims						
(41270) City Volunteer Insurance						
(41310) Pension Expense	3,829	-26,033	0	0	0	0
(41320) OPEB Expense	0	188	-5,020	0	0	0
(41810) Uniforms Allowance						
(41820) Communication Device Allowance						
(41830) Travel & Mileage Allowance	0	0	0	0	0	84
(41910) Cash in Lieu of Benefits						
TOTAL BENEFITS	**17,988**	**(8,847)**	**16,918**	**9,257**	**6,794**	**16,115**
(42010) Contract and Consulting Serv	62	0	3,382	0	0	0
(42020) Financial Services						
(42030) Legal Services	0	252	0	0	0	0
(42040) Planning Services						
(42050) Engineering Services						
(42060) Software and Technology Serv	0	0	1,065	0	0	0
(42070) Janitorial Services						
(42110) Sanitation and Recycling Serv	904,616	933,431	911,067	846,038	877,892	909,078
(42310) Personnel Testing						
(42320) Printing and Binding	0	0	4,137	0	0	0
(42410) Contracted Repair and Maint						
TOTAL PROFESSIONAL SERVICES	**904,678**	**933,683**	**919,651**	**846,038**	**877,892**	**909,078**
(44010) General Liability Insurance (IS Allocation)	0	2,276	2,821	0	0	0
(44020) Property Insurance (IS Allocation)	0	901	2,857	0	0	0
(44030) Automotive Insurance (IS Allocation)						
(46010) Fiber Service (IS Allocation)						
(46110) Building Maint (IS Allocation)						
(46210) City Mechanic (IS Allocation)						
(46310) Equipment (IS Allocation)						
(46410) Information Technology (IS Allocation)						
TOTAL INTERNAL SERVICES	**-**	**3,177**	**5,678**	**-**	**-**	**-**
(43010) Office Supplies						
(43015) Training Supplies						

CITY OF NORTH ST. PAUL, MINNESOTA
SOLID WASTE FUND
EXPENDITURES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(43020) Operating Supplies						
(43025) Cleaning Supplies						
(43030) Small Tools and Minor Equip						
(43040) Maintenance Materials						
(43050) Sand and Salt Materials						
(43055) Signs and Sign Materials						
(43060) Uniforms	103	98	111	0	0	0
(43070) City Mechanic Supplies						
(43075) City Mechanic Shop Charge						
(43080) Motor Fuels						
(43110) Copier Lease						
(43210) Communications Devices						
(43220) Postage						
(43230) Dues and Subscriptions						
(43240) Advertising and Legal Notices						
(43310) Training and Travel						
(43390) Fire Relief Contribution						
(43410) Utilities						
(43420) Power Purchase						
(43430) Green Power and Clean Energy						
(43510) Collected for Other Agencies						
(43710) Animal Shelter Fees						
TOTAL OPERATING	**103**	**98**	**111**	**-**	**-**	**-**
(49010) Transfer to other Funds	60,000	60,000	60,000	60,000	60,000	60,000
TOTAL OTHER FINANCING USES	**60,000**	**60,000**	**60,000**	**60,000**	**60,000**	**60,000**
(47010) Land						
(47110) Furniture and Fixtures	0	0	7,602	0	0	0
(47120) Office Equipment						
(47130) Field Equipment	5,375	0	468,312	17,662	8,000	8,000
(47210) Vehicles						
(47310) Infrastructure Improvements						
(47410) Buildings and Other Improv						
(47810) Depreciation						
(47910) Loss/Disposal/Abandonment						
TOTAL CAPITAL	**5,375**	**-**	**475,914**	**17,662**	**8,000**	**8,000**
(44410) Grant Awards						
(44970) Payments to Developers						
(44110) Bad Debt Expense	-156	-87	0	-40	0	0
(44910) Miscellaneous	176	2,925	0	0	0	0
(44310) Interest Expense Cust Deposits						
(44230) Credit Card Processing						
(44930) Awards and Indemnities						
(44090) Other Insurance						
TOTAL OTHER	**20**	**2,838**	**-**	**(40)**	**-**	**-**
(48010) Bonding and Debt - Principal						
(48020) Bonding and Debt - Interest	8,679	7,671	6,663	5,655	4,603	3,569
(48030) Bonding and Debt - Other	96	0	168	517	120	220
(48040) Bank Charges - Debt	0	0	0	40	0	100
TOTAL DEBT	**8,775**	**7,671**	**6,831**	**6,212**	**4,723**	**3,889**
TOTAL	**1,048,535**	**1,052,516**	**1,553,783**	**968,315**	**982,042**	**1,031,213**

FIBER OPTIC FUND

ACTIVITY MANAGER

Brian Frandle, Interim City Manager
Brian.Frandle@northstpaul.org
651-747-2436

DESCRIPTION OF ACTIVITY

This activity provides a City-Wide fiber optic network. The network provides superior speed and reliability for all City operated buildings as well as 8 other commercial locations which are billed monthly by the Utility Billing department.

OBJECTIVES AND PRIORITIES

- Continue existing service agreements and pursue additional partnerships.
- Keep updated on maintenance and repairs to ensure quality of service.

IMPACT MEASURES / PERFORMANCE INDICATORS

Item	Actual 2017	Actual 2018	Actual 2019	Projected 2020	Projected 2021	Projected 2022
Service Agreements	10	10	10	9	8	8
City Owned Locations Utilizing	3	3	3	3	3	3

BUDGET HIGHLIGHTS

- The fund cash deficit is projected to be reduced by $113,448 down to ($2,197,271) by year end 2022.

FIBER OPTIC FUND

PERSONNEL SUMMARY

Regular Employment (FTE)						
Position Title	Actual 2017	Actual 2018	Actual 2019	Actual 2020	Budgeted 2021	Proposed 2022
NONE						
Total FTE	-	-	-	-	-	-
Inc/(Dec) From Previous Year		-	-	-	-	-

CITY OF NORTH ST. PAUL, MINNESOTA
FIBER OPTIC FUND
SUMMARY OF REVENUES, EXPENDITURES, AND CHANGES IN NET POSITION
2022 BUDGET

	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget	Variance from 2021 Budget to 2022 Budget Positve (Negative)	
REVENUES								
CHARGES FOR SERVICES	133,997	130,003	205,149	213,803	195,402	200,663	5,261	3%
AD VALOREM TAXES	-	-	-	-	-	-	-	0%
OTHER FINANCING SOURCES	-	-	-	-	-	-	-	0%
INTERGOVERNMENTAL	-	-	-	-	-	-	-	0%
OTHER	(21,533)	(30,636)	(1,430)	-	12,185	12,185	-	0%
OTHER TAXES	-	-	-	-	-	-	-	0%
PERMITS	-	-	-	-	-	-	-	0%
SPECIAL ASSESSMENTS	-	-	-	-	-	-	-	0%
FINES	-	200	-	-	-	-	-	0%
LICENSES	-	-	-	-	-	-	-	0%
TOTAL REVENUES	**112,464**	**99,567**	**203,719**	**213,803**	**207,587**	**212,848**	**5,261**	**3%**
EXPENDITURES								
PERSONNEL	2,611	1,827	1,930	-	-	-	-	0%
BENEFITS	797	606	676	-	-	-	-	0%
PROFESSIONAL SERVICES	91,303	133,258	91,258	96,184	99,400	99,400	-	0%
INTERNAL SERVICES	15,073	359	119	-	-	-	-	0%
OPERATING	-	490	-	-	-	-	-	0%
OTHER FINANCING USES	-	-	-	-	-	-	-	0%
CAPITAL	44,439	44,439	44,439	44,439	44,440	-	(44,440)	-100%
OTHER	-	120	-	-	-	-	-	0%
DEBT	-	-	-	-	-	-	-	0%
TOTAL EXPENDITURES	**154,223**	**181,099**	**138,422**	**140,623**	**143,840**	**99,400**	**(44,440)**	**-31%**
CHANGE IN NET POSITION	**(41,759)**	**(81,532)**	**65,297**	**73,180**	**63,747**	**113,448**		

CITY OF NORTH ST. PAUL, MINNESOTA
FIBER OPTIC FUND
REVENUES - LINE ITEM DETAILS
2022 BUDGET

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(36010) Administration Charges						
(36020) Searches						
(36030) Over/Under Misc Revenue						
(36040) Sidewalk Snow Removal						
(36090) Maplewood Utility Billing Fee						
(36120) Pawn Shop Transaction Fees						
(36410) Park Rental Fees						
(36420) Canoe Rentals						
(36430) Recreation Outdoor Program						
(36440) Park Dedication Fees						
(36515) Residential Overhead Sales						
(36570) Large Commercial Sales						
(36595) Green Power Sales						
(36599) City Used Utilities						
(36615) Residential Water Sales						
(36625) Commercial Water Sales						
(36645) Residential Sewer Sales						
(36655) Commercial Sewer Sales						
(36670) Residential Surface Serv Charg						
(36710) Garbage Sales						
(36720) Recycling Sales						
(36730) Yard Waste Sales						
(36740) Bulk Pick Up Sales						
(36790) Fiber Service	133,997	130,003	205,149	213,803	114,456	114,456
(36795) Fiber Service - NSP	0	0	0	0	80,946	86,207
(36810) ISF Charges for Service						
(36820) ISF Charges - Ancillary						
(36910) Misc Charges for Services						
(36920) Connection Charges						
(40130) Seasonal Employees						
TOTAL CHARGES FOR SERVICES	**133,997**	**130,003**	**205,149**	**213,803**	**195,402**	**200,663**
(30010) Current Property Tax						
(30020) Delinquent Property Tax						
(30030) Penalty and Interest						
(30040) Tax Increment Excess						
(30110) Tax Increment						
TOTAL AD VALOREM TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(39010) Transfer from other Funds						
(39020) Contributed Capital Asset						
(39110) Proceeds on Debt						
(39120) Proceeds on Debt - Bond Prem						
(39210) OFS - Contract for Deed						
TOTAL OTHER FINANCING SOURCES	**-**	**-**	**-**	**-**	**-**	**-**
(35010) Federal Grants						
(35110) State Grants						
(35120) State LGA						
(35130) State AID - MSA Maintenance						
(35140) State Aid - Construction						
(35150) State Fire Aid						
(35160) Police Aid						
(35190) PERA Aid						
(35210) County Grants						
(35220) County Fire Training						
(35330) ISD 622 Community School						
(35340) Liaison Officer						
(35900) Other Grants						
TOTAL INTERGOVERNMENTAL	**-**	**-**	**-**	**-**	**-**	**-**

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(38010) Investment Income	-36,221	-41,642	-14,936	0	0	0
(38015) Interfund Loan Interest						
(38020) Market Value Adjustment						
(38030) Rental Income						
(38050) Meter Sales - Remote						
(38060) Antenna Income						
(38070) Hauler Rebate						
(38080) NSF Check Fee						
(38090) Phone Payment Fee						
(38110) Donations						
(38210) Misc Revenue Non-Taxable	14,688	11,006	13,506	0	12,185	12,185
(38220) Miscellaneous Revenue Taxable						
(38410) Park Fund - Advertising						
(38610) Refunds and Reimbursements						
(38710) Sale of Goods and Property						
(38810) Pension Contributions						
TOTAL OTHER	**(21,533)**	**(30,636)**	**(1,430)**	**-**	**12,185**	**12,185**
(31010) Electric Franchise						
(31020) Gas Franchise						
(31030) Cable Franchise						
(31080) County Gravel Tax						
TOTAL OTHER TAXES	**-**	**-**	**-**	**-**	**-**	**-**
(34010) Building Permit						
(34110) Electric Inspection						
(34120) Heating/Air Cond. Permit						
(34130) Plumbing Permit						
(34210) Rental Fee/Inspection						
(34220) Right-of-Way						
(34890) Animal License						
(34910) Misc Permits						
TOTAL PERMITS	**-**	**-**	**-**	**-**	**-**	**-**
(32010) Special Assessment Current						
(32020) Special Assessment Delinquent						
(32030) Spec Assess Penalty & Interest						
(32110) Spec Assess Prepaid to County						
(32120) Spec Assess Prepaid to City						
(32130) Spec Assess Int Prepay to City						
(32210) Nuisance Abatement						
TOTAL SPECIAL ASSESSMENTS	**-**	**-**	**-**	**-**	**-**	**-**
(37010) Court Fines						
(37110) Utility Penalty Charge	0	200	0	0	0	0
TOTAL FINES	**-**	**200**	**-**	**-**	**-**	**-**
(33010) Liquor and Beer License						
(33110) Cigarette License						
(33210) Contractor License						
(33310) Garbage License						
(33410) Pawn Shop						
(33910) Misc License						
TOTAL LICENSES	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**112,464**	**99,567**	**203,719**	**213,803**	**207,587**	**212,848**

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(40110) Full-Time Employees - Regular	2,155	1,476	1,526	0	0	0
(40115) Full-Time Employees - Overtime						
(40120) Part-Time Employees	456	351	404	0	0	0
(40130) Seasonal Employees						
(40140) Internships						
(40210) Post Employment Severance						
(40215) Severance Payout						
TOTAL PERSONNEL	**2,611**	**1,827**	**1,930**	**-**	**-**	**-**
(41110) Deferred Compensation	59	48	55	0	0	0
(41120) PERA Contribution	191	140	144	0	0	0
(41130) FICA Contribution	147	106	110	0	0	0
(41140) Medicare Contribution	34	25	26	0	0	0
(41150) Educ Assistance Contribution						
(41210) Health Insurance	354	272	327	0	0	0
(41215) HSA Employer Contribution						
(41220) Dental Insurance						
(41230) Long-term Disability Insurance						
(41240) Life Insurance						
(41250) Workers Compensation Insurance	12	15	14	0	0	0
(41260) Unemployment Claims						
(41270) City Volunteer Insurance						
(41310) Pension Expense						
(41320) OPEB Expense						
(41810) Uniforms Allowance						
(41820) Communication Device Allowance						
(41830) Travel & Mileage Allowance						
(41910) Cash in Lieu of Benefits						
TOTAL BENEFITS	**797**	**606**	**676**	**-**	**-**	**-**
(42010) Contract and Consulting Serv	91,303	133,258	91,258	96,184	99,400	99,400
(42020) Financial Services						
(42030) Legal Services	0	0	0	0	0	0
(42040) Planning Services						
(42050) Engineering Services						
(42060) Software and Technology Serv						
(42070) Janitorial Services						
(42110) Sanitation and Recycling Serv						
(42310) Personnel Testing						
(42320) Printing and Binding						
(42410) Contracted Repair and Maint						
TOTAL PROFESSIONAL SERVICES	**91,303**	**133,258**	**91,258**	**96,184**	**99,400**	**99,400**
(44010) General Liability Insurance (IS Allocation)	0	257	85	0	0	0
(44020) Property Insurance (IS Allocation)	15,073	102	34	0	0	0
(44030) Automotive Insurance (IS Allocation)						
(46010) Fiber Service (IS Allocation)						
(46110) Building Maint (IS Allocation)						
(46210) City Mechanic (IS Allocation)						
(46310) Equipment (IS Allocation)						
(46410) Information Technology (IS Allocation)						
TOTAL INTERNAL SERVICES	**15,073**	**359**	**119**	**-**	**-**	**-**
(43010) Office Supplies						
(43015) Training Supplies						

GENERAL LEDGER CODE	2017 Actual	2018 Actual	2019 Actual	2020 Actual	2021 Budget	2022 Proposed Budget
(43020) Operating Supplies	0	490	0	0	0	0
(43025) Cleaning Supplies						
(43030) Small Tools and Minor Equip						
(43040) Maintenance Materials						
(43050) Sand and Salt Materials						
(43055) Signs and Sign Materials						
(43060) Uniforms						
(43070) City Mechanic Supplies						
(43075) City Mechanic Shop Charge						
(43080) Motor Fuels						
(43110) Copier Lease						
(43210) Communications Devices						
(43220) Postage						
(43230) Dues and Subscriptions						
(43240) Advertising and Legal Notices						
(43310) Training and Travel						
(43390) Fire Relief Contribution						
(43410) Utilities						
(43420) Power Purchase						
(43430) Green Power and Clean Energy						
(43510) Collected for Other Agencies						
(43710) Animal Shelter Fees						
TOTAL OPERATING	**-**	**490**	**-**	**-**	**-**	**-**
(49010) Transfer to other Funds						
TOTAL OTHER FINANCING USES	**-**	**-**	**-**	**-**	**-**	**-**
(47010) Land						
(47110) Furniture and Fixtures						
(47120) Office Equipment						
(47130) Field Equipment						
(47210) Vehicles						
(47310) Infrastructure Improvements						
(47410) Buildings and Other Improv						
(47810) Depreciation	44,439	44,439	44,439	44,439	44,440	0
(47910) Loss/Disposal/Abandonment						
TOTAL CAPITAL	**44,439**	**44,439**	**44,439**	**44,439**	**44,440**	**-**
(44410) Grant Awards						
(44970) Payments to Developers						
(44110) Bad Debt Expense						
(44910) Miscellaneous	0	120	0	0	0	0
(44310) Interest Expense Cust Deposits						
(44230) Credit Card Processing						
(44930) Awards and Indemnities						
(44090) Other Insurance						
TOTAL OTHER	**-**	**120**	**-**	**-**	**-**	**-**
(48010) Bonding and Debt - Principal						
(48020) Bonding and Debt - Interest	0	0	0	0	0	0
(48030) Bonding and Debt - Other						
(48040) Bank Charges - Debt						
TOTAL DEBT	**-**	**-**	**-**	**-**	**-**	**-**
TOTAL	**154,223**	**181,099**	**138,422**	**140,623**	**143,840**	**99,400**