

WORK SESSION
OPEN SEAT - WARD 2
5:30 -7:00 PM



AGENDA
CHASKA CITY COUNCIL
ONE CITY HALL PLAZA, CHASKA CITY HALL
Monday, January 28, 2019
7:00 PM

1. Call to Order
2. Pledge of Allegiance
3. Roll Call
4. Adopt Agenda
5. Visitor Presentation
6. Approve Previous Meeting Minutes
 - 6.A. Approve City Council Meeting Minutes from 1/7/19
7. Consent Items
 - 7.A. Council Committee Assignments
 - 7.B. 2019 Pay Classification Plan
 - 7.C. Adopt Resolution 2019-4, Bond Sale Reimbursement
 - 7.D. Adopt Resolution 2019-5, Chaska's Water Supply Plan
 - 7.E. Adopt Resolution 2019-6, Approve Solicitor Permits for Shay Enterprises Inc.

- 7.F. Adopt Resolution 2019-7, Approve Transient Permit – Laura Engleby of Smooth Move
- 7.G. Adopt Resolution 2019-8, Approve Transient Permit – Amy Varab of The Weenie Wagon Kettle Kravings
- 7.H. Approve Massage Therapy Registration for Gina Werremeyer
- 7.I. Appointment of Human Rights Commission Chair and Vice-Chair
- 8. Action Items
 - 8.A. Ward 2 Vacancy
 - 8.B. Adopt Resolution 2019-9, 2019 Street/Utility Reconstruction Project Public Improvement Hearing
- 9. Bills
 - 9.A. AP COUNCIL ROSTER 1-28-19
- 10. Other Business
 - 10.A. City Administrator's Report
 - 10.B. Bi-Weekly 01-28-19
 - 10.C. Financial Reports – November 2018
 - 10.D. Receive the minutes of the December 27, 2018 Human Rights Commission Meeting
- 11. Adjourn

Chaska Economic Development Authority Meeting
Immediately following City Council

DRAFT

**- MINUTES -
CHASKA CITY COUNCIL
JANUARY 7, 2019**

At 7 pm the oaths of office were administered by City Attorney Melchert to Mayor Windschitl and Councilmembers Grau and Hatfield.

1. Call to Order

The meeting was called to order by Mayor Windschitl at 7:06 pm.

2. Pledge of Allegiance

3. Roll Call

Roll call was taken. Present: Councilmembers Hatfield, Huang, Grau, and Mayor Windschitl. Absent: Councilmember Boe

The Council recessed for a photo opportunity and the meeting was reconvened at 7:15 pm.

Also Present: Kevin Ringwald, Community Development Director; Liz Hanson, City Planner; Luke Melchert, City Attorney; Nate Kabat, Assistant Administrator; Matt Clark, City Engineer; and Matt Podhradsky, City Administrator.

4. Adopt the Agenda

City Administrator Podhradsky noted that a motion to approve the Planning Commission Chair and Vice-Chair had been added to Item 8.D in the agenda.

Motion by Councilmember Huang, second by Councilmember Hatfield to adopt the agenda as amended.

Motion carried.

5. Visitor

None.

6. Minutes

Motion by Councilmember Huang, second by Councilmember Grau to approve the minutes of the December 17, 2018 City Council meeting.

Motion carried.

7. Consent Agenda

Motion by Councilmember Huang, second by Councilmember Hatfield to approve the Consent Agenda Items A through H:

- A. Approve the Chaska Herald as Official Newspaper for the City of Chaska 2019
Motion to appoint "Chaska Herald" as the official newspaper of the City of Chaska for 2019.
- B. Appoint Luke Melchert of the Law Firm Melchert, Huber, Sjodin as the City Attorney
Motion to appoint Luke Melchert of the law firm Melchert, Hubert, Sjodin, as the

January 7, 2019

- Chaska City Attorney for 2019.
- C. Massage Therapy License Renewals - Synstelien and Lason
Motion to approve the 2019 Massage Therapists Licenses to include MTL 19-03 for Wanda Synstelien of Chaska Lake Chiropractic and MTL 19-04 for Michelle Lason Of Bee Well Massage effective January 7, 2019 through December 31, 2019.
 - D. Adopt Resolution 2019-01, CSAH 44/ TH 212 Interchange Project
Motion to adopt Resolution No. 2019-01 Authorizing the Commencement of Eminent Domain to Acquire Fee Title and Various Easement for Roadway, Sidewalk, Trail, Drainage and Utility Purposes Over Certain Property.
 - E. Approving the Appointment of the Heritage Preservation Commission Chair and Vice Chair
Motion to appoint Russell St John as Heritage Preservation Commission Chairperson and to appoint Kristine Kohman as Heritage Preservation Commission Vice-Chairperson.
 - F. Chaska Parks and Recreation Chair and Vice Chair
Motion to appoint Dave Roan as Park Board Chairperson and Jason Branch as Park Board Vice-Chairperson
 - G. Annual Designation of City Depositories, Investment Institutions and Authorized Signatories
Motion to designate the following official depositories, financial institutions, and authorized account signatories:
Depositories: Bank Vista; Charter Bank; Old National (fka: KleinBank); Security Bank; USBank; Wells Fargo; and, Wings Financial Credit Union
Financial Institutions: League of Minnesota Cities and PMA Financial Network (4M Fund); Northland Securities, Inc.; RBC Capital Markets, Inc.; Oppenheimer & Co.; Inc. Piper Jaffray & Co.; Public Financial Management (PFM); USBank Investment Services, Inc.; and, Wells Fargo Investments.
Authorized Account Signatories: Mayor--Mark Windschitl; City Administrator--Matt Podhradsky; and, Treasurer--Noel J. Graczyk
 - H. Appointment of City Trustees to the Chaska Fire Department Relief Association (CFDRA)
Motion to appoint Mark Windschitl as an Elected-Official Trustee and Noel Graczyk as a City Trustee to the 2019 Chaska Fire Relief Board.

Councilmember Grau inquired how many properties are indicated in Item D.

City Administrator Podhradsky and City Engineer Clark provided further detail regarding the Item.

Motion carried.

8. Action Items

8.A. Adopt Resolution 2019-02, Accept Resignation of Councilmember Greg Boe
City Administrator Podhradsky presented the item to the Council.

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Motion by Councilmember Grau, second by Councilmember Huang to approve Resolution No. 2019-02 accepting the resignation of Councilmember Greg Boe and declaring a vacancy on the Chaska City Council. Motion carried.

Councilmember Huang inquired about the 2010 election turnout for Ward 2.

City Administrator Podhradsky stated it was about 15%.

Councilmember Grau looked for further clarity about election cost per Ward.

City Administrator Podhradsky gave more detail regarding that.

The Council and City Administrator Podhradsky discussed the implications of the different options before them, including timeline and what State Statute directs.

Councilmember Grau applauded the engagement of those citizens who have shared their opinions in regard to what they feel the Council should do regarding the Ward 2 Council Seat.

Councilmember Huang stated he would be remiss to make a decision without having all the facts before him to do so and supported having a work session.

Councilmembers Grau and Hatfield also agreed a work session would be helpful.

City Administrator Podhradsky provided detail as to what the work session would include.

Councilmember Huang requested that financial implications be included in the information presented at the work session.

Bob Perschmann, 112367 Eitel Cir, inquired what the criteria for appointment are and stated that he felt there should be a vote for this Council Seat. He also asked how he can be informed of how to effectively oppose this.

The Council directed Staff to prepare a work session for January 28, 2019 prior to the Council Meeting.

8.B. Adopt Resolution 2019-03, Approve the Concept Plan for Structures, Inc./Daniel Andersen/PC #2018-38

City Administrator Podhradsky introduced the item to the Council.

City Planner Hanson presented the item to the Council.

Mayor Windschitl asked if they only operated during the daytime hours.

City Planner Hanson responded that hours of operation are 7:30 am to 5 pm Monday through Friday. She then continued her presentation of the item.

January 7, 2019

The Council asked for further clarification regarding the proposed fence and possible berm. City Planner Hanson gave more detail regarding those items and clarified guidelines regarding allowed impact to easements.

Councilmember Grau inquired how many people the company employs.

City Planner Hanson responded full potential will be 18-20 office employees and two employees for the storage yard, and that there are currently 10 office employees.

Daniel Andersen, 2540 Montgomery Ave, Deep Haven, architect for the project, provided further detail regarding their intentions with the fence and berm on the south side of the building.

Motion by Councilmember Huang, second by Councilmember Hatfield to approve Resolution No. 2019-03 approving the Concept Plan for Structures, Inc. (PC #2018-38). Motion carried.

8.C. Appoint Acting Pro Tem Mayor for Calendar Year 2019

City Administrator Podhradsky introduced the item to the Council.

Assistant Administrator Kabat wanted to clarify that State Statute requires that a Pro Tem Mayor be appointed, and City policy has been to appoint by seniority.

Motion by Councilmember Hatfield, second by Councilmember Grau to appoint Councilmember Mike Huang as Acting Mayor for the City of Chaska for calendar year 2019. Motion carried.

8.D. Planning Commission Appointments

City Administrator Podhradsky introduced the item to the Council.

Motion by Councilmember Huang, second by Councilmember Hatfield to appoint the following six members, with two of them being alternates, to the Planning Commission for the term January 7, 2019 to December 31, 2021: Susan Cross, Carl Lacey, Sr., Rob Brass, Aaron Sailer, Todd Urbanski (1st alternate), and Travis Olson (2nd alternate). Motion carried.

The Council thanked those who applied for the open positions.

Motion by Councilmember Huang, second by Councilmember Grau to appoint Brian Dahlke as Planning Commission Chairperson and to appoint Misty Bowe as Planning Commission Vice-Chairperson. Motion carried.

9. Bills

9.A. AP Council Roster 1-7-19

Motion by Councilmember Hatfield, second by Councilmember Huang to approve the bills as presented. Roll call was taken. Voting aye: Councilmembers Hatfield, Huang, Grau and Mayor Windschitl. Voting nay: None
Motion carried.

10. Other Business

January 7, 2019

10.A. City Administrator's Report

10.A.i. Bi-Weekly Report

10.B. Other Meeting Minutes

10.B.i. Receive the draft Minutes of the December 12, 2018 Planning Commission Meeting.

10.C. Receive the minutes of the Parks and Recreation December 10, 2018 Meeting.

Councilmember Huang:

- Commented there is some citizen concern regarding noise along Hwy 41 between Hundertmark and Pioneer Trail and asked if there would be citizen representation on the landscape planning. City Administrator Podhradsky stated there is a representative neighbor that is a part of this. He also explained further what data will be looked at prior to finalizing landscape decisions with this project.

Councilmember Grau:

- Requested clarification on the speed study on Hwy 41. City Administrator Podhradsky provided more information regarding speed studies.
- Inquired if there were any updates regarding the access points at the Kwik Trip on Pioneer Trail. City Administrator Podhradsky stated that this issue is actually under Carver County and noted they are looking at a permanent solution that would be implemented next spring or summer.

City Administrator Podhradsky:

- Noted there are several committees that Councilmembers can serve on and asked the Councilmembers to email him regarding their first and second interest.
- Noted the altered City Council Meeting schedule for January and February, 2019.

Assistant City Administrator Kabat:

- Noted January 21, 2019 there will be a breakfast hosted by the Human Rights Commission in coordination with Southwest Metro Chamber at the Event Center at 8 am.

Mayor Windschitl:

- January 19, 2019 Southwest Christian High School is having a grand opening of their new addition from 1-3pm, with a service to follow.
- Noted Scott Gerber retired from the Fire Department after serving 22 years.
- Welcomed the new Councilmembers.

11. Adjourn

Motion by Councilmember Huang, second by Councilmember Hatfield to adjourn the meeting at 8:27 pm.

Motion carried.

REQUEST FOR ACTION CHASKA CITY COUNCIL 01/28/2019

Subject: Council Committee Assignments

Prepared By: Matt Podhradsky, City Administrator

For several years, the City Council has had permanent representation on several committees/commissions around the community. This has included having a Council Representative designated for the following groups:

- Southwest Transit (the bylaws of this organization has one elected representative and one additional community representative appointed from each of the three communities' part of the Southwest Transit Service District, including Eden Prairie, Chanhassen and Chaska)
- Downtown Business Alliance
- Eastern Carver County Community Education Board
- Carver County Elected Leaders Group
- Carver County Mental Health Task Force (focused on the establishment of the new Mental Health residential facility that will be located in the former Ridgeview Hospice House, and other Mental Health issues facing the community)

As Council is aware, at our last Council meeting it was decided that each of the Council members would get back to me with their preferences for what Committee Assignment they would prefer. Based on the feedback I received, the following are the preferences that were expressed to me:

- Council Member Huang: SW Transit
- Council Member Hatfield: Downtown Business Alliance
- Council Member Grau: Community Education Board
- Mayor Windschitl: Carver County Elected Leaders Group

That would leave the Carver County Mental Health Task Force group needing to be filled. As this is physically located in Ward 2, it would make sense that when this position is filled that they would represent the Council on this Task Force. This decision can officially be considered at a future meeting.

Staff recommends appointing the above-mentioned Council Members to these preferred Committee/Commission Assignments.

CITY COUNCIL ACTION REQUESTED

Motion to appoint the following Council Members to the following Committees:

- Council Member Huang: SW Transit
- Council Member Hatfield: Downtown Business Alliance
- Council Member Grau: Community Education Board
- Mayor Windschitl: Carver County Elected Leaders Group

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
January 28, 2019**

Subject: Consider 2019 Non-Union Employees Pay Classification and Benefits Plan

Prepared By: Sarah Donovan, HR Manager

Background

Since 1980, the City has had a Performance Pay Plan for its non-union employees. Under this Plan, employees are compensated based on their individual performances within an established salary range for their positions. Implementation of the Plan requires an annual review and update of the compensation ranges for the individual non-union positions.

One of two elements of the Performance Pay Plan is the Pay Classification Plan, which was adopted in 2017 primarily to comply with State mandated comparable worth.

The adopted Pay Classification Plan is based upon the following elements:

- A. All positions are classified based on an internal comparison study. Based on this study, compensation ranges were established.
- B. The compensation ranges for each position were compared to the average pay rate of each position in other metropolitan communities of similar size to Chaska. It is City policy that individual position rates would not be twenty percent (20%) higher or twenty percent (20%) lower than the average of the comparison cities.
- C. Compensation ranges are adjusted by an inflation factor annually to reflect the cost of living and other market adjustments.
- D. Compensation ranges are adjusted to ensure compliance with pay equity standards set by MN Statute 471.991-999 and MN Rules Chapter 3920.

Non-Union Salaries

Every year, staff adjusts the Pay Classification Plan with the inflation factor and then compares the plan with other metro cities of similar size. To adjust for market changes from 2018 to 2019, staff recommends a 3.0% cost of living increase in the compensation ranges which is consistent with the proposed 2018-2019 union contracts.

Implementation of the non-union Pay Classification Plan also requires the Council to adopt the attached Salary Adjustment Rate Chart. The purpose of this chart is to identify salary adjustments for individual employees based on their relative location within the salary ranges and annual performance. This Salary Adjustment Rate Chart defines the potential range of salary increases through the Performance Pay Plan. The highest performing employees are incentivized by earning higher pay increases, while those performing at lower levels earn lower pay increases. Notably, under this plan salary adjustments are made throughout the year on anniversary dates based on performance evaluations and are not made across the board on January 1 of the calendar year.

The proposed 2019 Salary Adjustment Rate is identical to previous years with potential performance-based increases ranging from 0% to 5.0%. With the exception of employees who are already at the maximum pay level, the range reflected in the recommended plan will allow employees that are exceeding expectations to move forward in the Pay Classification Plan in a similar fashion to unionized employees who receive step/longevity increases in addition to cost of living. Conversely, employees who are not performing at satisfactory levels move backwards within the pay range.

Non-Union Benefit Contribution

The second personnel item establishes the maximum city contribution for employee insurance. For 2018, the City contribution was \$921 per month for employees that select single health insurance and \$1347 for employees that select family coverage. For 2019, similar to last year, the recommendation is to increase monthly contributions by 6.0% to a total amount of approximately \$977 for single and \$1,428 for family. This amount of increase is consistent with the increase for the existing union contract.

Pending Compensation Study

Historically the city has proposed part time and seasonal pay classification at the same time as full time. However, the city is in the process of completing a compensation study for all part time positions. This study will be completed in early to mid-2019. This is the same study that was completed for full time employees and approved by council in 2018. Once the study is complete there will be a part time/seasonal pay classification chart established with new pay ranges. Those changes will be presented to the Council upon completion.

Recommendation

Staff is recommending the adoption of the 2019 Pay Classification Plan, attached 2019 Salary Adjustment Rate Chart and the aforementioned Employee Benefit contribution for 2019.

CITY COUNCIL ACTION REQUESTED

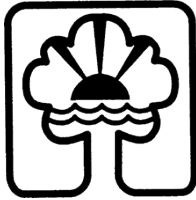
Motion to approve the 2019 Pay Classification Plan and 2019 Salary Adjustment Rate Chart along with the Employer Benefit Contributions for 2019, which are approximately \$977 per month for single coverage and \$1428 for family coverage.

CITY OF CHASKA 2019 PAY STRUCTURE

Grade	Job Title	HOURLY							
		Zone C		Zone B		Zone A		Maximum	
		Minimum		Midpoint					
5	Administrative Assistant I	\$ 14.93	\$ 16.80	\$ 16.80	\$ 18.66	\$ 20.53	\$ 20.53	\$ 22.40	
5	Greenskeeper I	\$ 14.93	\$ 16.80	\$ 16.80	\$ 18.66	\$ 20.53	\$ 20.53	\$ 22.40	
6	Custodian I	\$ 16.27	\$ 18.31	\$ 18.31	\$ 20.34	\$ 22.38	\$ 22.38	\$ 24.41	
6	Customer Service Rep	\$ 16.27	\$ 18.31	\$ 18.31	\$ 20.34	\$ 22.38	\$ 22.38	\$ 24.41	
7	Custodian II	\$ 17.58	\$ 19.77	\$ 19.77	\$ 21.97	\$ 24.17	\$ 24.17	\$ 26.36	
7	City Facilities Coordinator	\$ 17.58	\$ 19.77	\$ 19.77	\$ 21.97	\$ 24.17	\$ 24.17	\$ 26.36	
8	Administrative Assistant II	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
8	AOA Specialist	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
8	Records Secretary	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
8	Public Works Maintenance I	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
8	Utility Account Clerk	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
8	Permit Technician	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
8	Water & Sewer Maintenance I	\$ 18.98	\$ 21.36	\$ 21.36	\$ 23.73	\$ 26.10	\$ 26.10	\$ 28.47	
9	Administrative Assistant (Police)	\$ 20.50	\$ 23.06	\$ 23.06	\$ 25.63	\$ 28.19	\$ 28.19	\$ 30.75	
9	Accounting Clerk	\$ 20.50	\$ 23.06	\$ 23.06	\$ 25.63	\$ 28.19	\$ 28.19	\$ 30.75	
9	Accounts Payable Clerk	\$ 20.50	\$ 23.06	\$ 23.06	\$ 25.63	\$ 28.19	\$ 28.19	\$ 30.75	
9	Custodian III	\$ 20.50	\$ 23.06	\$ 23.06	\$ 25.63	\$ 28.19	\$ 28.19	\$ 30.75	
9	Cable Communications Coordinator	\$ 20.50	\$ 23.06	\$ 23.06	\$ 25.63	\$ 28.19	\$ 28.19	\$ 30.75	
10	Municipal Services Inventory/Accounting Clerk	\$ 22.04	\$ 24.79	\$ 24.79	\$ 27.55	\$ 30.30	\$ 30.30	\$ 33.06	
10	Administrative Services Clerk	\$ 22.04	\$ 24.79	\$ 24.79	\$ 27.55	\$ 30.30	\$ 30.30	\$ 33.06	
10	Facilities Supervisor	\$ 22.04	\$ 24.79	\$ 24.79	\$ 27.55	\$ 30.30	\$ 30.30	\$ 33.06	
10	Senior Accounting Clerk	\$ 22.04	\$ 24.79	\$ 24.79	\$ 27.55	\$ 30.30	\$ 30.30	\$ 33.06	
10	Assistant Programmer	\$ 22.04	\$ 24.79	\$ 24.79	\$ 27.55	\$ 30.30	\$ 30.30	\$ 33.06	
11	Building Inspector I/ Sump Pump Inspector	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Administrative Assistant-Fire Dept	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Recreation Coordinator	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Utility Billing Clerk	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Public Works Maintenance II	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Assistant to the Director	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Network/Field Support Technician	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
11	Water & Sewer Maintenance II	\$ 23.69	\$ 26.65	\$ 26.65	\$ 29.61	\$ 32.58	\$ 32.58	\$ 35.54	
12	Assistant Golf Professional	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Greenskeeper II	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Public Works Maintenance III	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Building Inspector I	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Fire Inspector	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Mechanic	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Water & Sewer Maintenance III	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
12	Community Service/ Code Compliance Officer	\$ 25.35	\$ 28.52	\$ 28.52	\$ 31.69	\$ 34.86	\$ 34.86	\$ 38.03	
13	Payroll Coordinator	\$ 27.12	\$ 30.52	\$ 30.52	\$ 33.91	\$ 37.30	\$ 37.30	\$ 40.69	
13	Event Center Supervisor	\$ 27.12	\$ 30.52	\$ 30.52	\$ 33.91	\$ 37.30	\$ 37.30	\$ 40.69	
13	Assistant Utility Billing Coordinator	\$ 27.12	\$ 30.52	\$ 30.52	\$ 33.91	\$ 37.30	\$ 37.30	\$ 40.69	
13	Human Resources Generalist I	\$ 27.12	\$ 30.52	\$ 30.52	\$ 33.91	\$ 37.30	\$ 37.30	\$ 40.69	
14	Head Ice Maker/ Facility Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Member Services Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Park Lead	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Street Lead	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Desktop Support Analyst	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Fitness Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Recreation Supervisor-AOA	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Recreation Supervisor-Special Events	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Apprentice Line Worker	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Recreation Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Recreation Supervisor-Athletics	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Software System Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Youth Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Municipal Services Office Manager	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	City Planner	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Building Inspector II	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
14	Ice Arena Supervisor	\$ 29.02	\$ 32.65	\$ 32.65	\$ 36.28	\$ 39.91	\$ 39.91	\$ 43.53	
15	Community Partnership Specialist	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Patrol Officer	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Police Detective	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	School Resource Officer	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Utility Billing Coordinator	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Water and Sewer Lead	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Network Systems Administrator	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Journeyman Line Worker	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Community Service/ Code Compliance Division Manager	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
15	Senior Engineering Technician	\$ 31.05	\$ 34.94	\$ 34.94	\$ 38.82	\$ 42.70	\$ 42.70	\$ 46.58	
16	Golf Course Superintendent	\$ 33.23	\$ 37.38	\$ 37.38	\$ 41.54	\$ 45.69	\$ 45.69	\$ 49.84	
16	Park Foreman	\$ 33.23	\$ 37.38	\$ 37.38	\$ 41.54	\$ 45.69	\$ 45.69	\$ 49.84	
16	Street Foreman	\$ 33.23	\$ 37.38	\$ 37.38	\$ 41.54	\$ 45.69	\$ 45.69	\$ 49.84	
16	Aquatics Supervisor	\$ 33.23	\$ 37.38	\$ 37.38	\$ 41.54	\$ 45.69	\$ 45.69	\$ 49.84	
17	Assistant Public Works Director	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Deputy Clerk	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Maintenance Manager	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Detective Sergeant	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Executive Officer-Patrol Division	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Executive Officer-Support Services	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Patrol Sergeant	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Recreation Program Manager	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Curling/ Event Center Manager	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Lead Line Worker	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Water and Sewer Foreman	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Communications Manager	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Accounting Supervisor	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Community Center Manager	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
17	Assistant City Engineer	\$ 35.47	\$ 39.91	\$ 39.91	\$ 44.34	\$ 48.77	\$ 48.77	\$ 53.21	
18	Mechanic Foreman	\$ 37.87	\$ 42.60	\$ 42.60	\$ 47.33	\$ 52.07	\$ 52.07	\$ 56.80	
18	Lieutenant	\$ 37.87	\$ 42.60	\$ 42.60	\$ 47.33	\$ 52.07	\$ 52.07	\$ 56.80	
18	Building Official	\$ 37.87	\$ 42.60	\$ 42.60	\$ 47.33	\$ 52.07	\$ 52.07	\$ 56.80	
18	Fire Marshal/ Assistant Chief	\$ 37.87	\$ 42.60	\$ 42.60	\$ 47.33	\$ 52.07	\$ 52.07	\$ 56.80	
19	Controller	\$ 40.42	\$ 45.47	\$ 45.48	\$ 50.53	\$ 55.58	\$ 55.58	\$ 60.63	
19	Police Captain	\$ 40.42	\$ 45.47	\$ 45.48	\$ 50.53	\$ 55.58	\$ 55.58	\$ 60.63	
19	Line Worker Foreman	\$ 40.42	\$ 45.47	\$ 45.48	\$ 50.53	\$ 55.58	\$ 55.58	\$ 60.63	
20	Deputy Police Chief	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Information Systems Manager	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Head Golf Professional	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Human Resources Manager	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Police Sergeant	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Line Superintendent (was General Manager)	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Assistant Electric Director	\$ 43.15	\$ 48.54	\$ 48.54	\$ 53.94	\$ 59.33	\$ 59.33	\$ 64.73	
20	Community Development Director	\$ 45.74	\$ 51.46	\$ 51.46	\$ 57.17	\$ 62.89	\$ 62.89	\$ 68.61	

CITY OF CHASKA 2019 PAY STRUCTURE

Grade	Job Title	HOURLY						
		Zone C		Zone B			Zone A	
		Minimum			Midpoint			Maximum
21	Director of Parks & Recreation	\$ 45.74	\$ 51.46	\$ 51.46	\$ 57.17	\$ 62.89	\$ 62.89	\$ 68.61
21	Public Works Director	\$ 45.74	\$ 51.46	\$ 51.46	\$ 57.17	\$ 62.89	\$ 62.89	\$ 68.61
21	Water and Sewer Director	\$ 45.74	\$ 51.46	\$ 51.46	\$ 57.17	\$ 62.89	\$ 62.89	\$ 68.61
21	Assistant City Administrator	\$ 45.74	\$ 51.46	\$ 51.46	\$ 57.17	\$ 62.89	\$ 62.89	\$ 68.61
21	Fire Chief	\$ 45.74	\$ 51.46	\$ 51.46	\$ 57.17	\$ 62.89	\$ 62.89	\$ 68.61
22	City Engineer	\$ 48.48	\$ 54.54	\$ 54.54	\$ 60.60	\$ 66.67	\$ 66.67	\$ 72.73
22	Electric Director	\$ 48.48	\$ 54.54	\$ 54.54	\$ 60.60	\$ 66.67	\$ 66.67	\$ 72.73
22	Chief of Police	\$ 48.48	\$ 54.54	\$ 54.54	\$ 60.60	\$ 66.67	\$ 66.67	\$ 72.73
23	Administrative Services Director	\$ 52.44	\$ 58.34	\$ 58.34	\$ 64.24	\$ 70.14	\$ 70.14	\$ 76.04
26	City Administrator	\$ 63.76	\$ 70.14	\$ 70.14	\$ 76.51	\$ 80.68	\$ 80.68	\$ 84.43



CITY OF CHASKA

2019 SALARY ADJUSTMENT GUIDE CHART

SUMMARY EVALUATION OF OVERALL PERFORMANCE	SALARY REVIEW ADJUSTMENTS**		
	ZONE C *	ZONE B	ZONE A
V. New in position and/or has serious weaknesses. Or Performance level stabilized below level desired.	0%	0%	0%
IV. Making satisfactory progress.	2.5%	3.0%	0%
III. Meets all performance requirements. Considered to be a fully qualified performer for salary zone to which assigned.	3.0%	3.5%	3.5%
II. Exceeds overall position performance requirements.	4.0%	4.5%	4.0%
I. Performing at a level well beyond that normally expected.	4.5%	5.0%	4.5%

* Individuals in Zone C are eligible for salary reviews every six months, and the salary adjustment percentages under the Zone C category reflect the range of adjustments at the six-month intervals.

** Employees shall never be compensated beyond the maximum amount in their pay range.

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
01/28/2019**

Subject: Bond Sale Reimbursement

Prepared By: Kelly Grinnell, Finance Manager

The City anticipates issuing bonds in 2019 to finance the following projects:

- Acquisition of Right-of-Way for the TH 212/CSAH 44 Interchange Project
- 2019 Downtown Street/Utility Reconstruction Project
- Purchase of Parcel #7 for SW Community Park

Prior to issuance of any such bonded debt the City must first comply with IRS regulations regarding reimbursement requirements.

In accordance with IRS regulations, the City must declare its intent to reimburse itself prior to payment of any project expenditures. Projects as listed in the proposed reimbursement resolution will incur costs that may be reimbursed from future bond sales and thus must be declared by the City for possible future reimbursement.

The enclosed proposed resolution establishes compliance with IRS reimbursement regulations for the items as listed in Attachment A to the resolution.

Staff recommends adoption of the resolution.

CITY COUNCIL ACTION REQUESTED

Motion to adopt Resolution relating to financing certain proposed projects and establishing compliance with reimbursement bond regulations under the Internal Revenue Code.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE January 28, 2019 **RESOLUTION NO.** 2019-04

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**RESOLUTION RELATING TO FINANCING OF CERTAIN PROPOSED PROJECTS; AND,
ESTABLISHING COMPLIANCE WITH REIMBURSEMENT BOND REGULATIONS
UNDER THE INTERNAL REVENUE CODE**

BE IT RESOLVED, by the City Council of the City of Chaska, Minnesota (the "City"), as follows:

1. Recitals.

(a) The United States Department of Treasury has promulgated final regulations governing the use of proceeds of tax-exempt bonds, all or a portion of which are to be used to reimburse the City for project expenditures paid by the City prior to the date of issuance of such bonds. Those regulations (Treasury Regulations, Section 1.150-2) (the "Regulations") require that the City adopt a statement of official intent to reimburse an original expenditure not later than 60 days after payment of the original expenditure. The Regulations also generally require that the bonds be issued and the reimbursement allocation made from the proceeds of the bonds within 18 months (or three years, if the reimbursement bond issue qualifies for the "small issuer" exception from the arbitrage rebate requirement) after the later of (i) the date the expenditure is paid, or (ii) the date the project is placed in service or abandoned, but (unless the issue qualifies for the "small issuer" exception from the arbitrage rebate requirement) in no event more than three years after the date the expenditure is paid. The Regulations generally permit reimbursement of capital expenditures and costs of issuance of the bonds.

(b.) The City desires to comply with requirements of the Regulations with respect to certain projects hereinafter identified.

2. Official Intent Declaration.

(a) The City proposes to undertake certain projects, which projects and the estimated costs thereof are generally described in Exhibit A hereto, which is hereby incorporated herein and made a part hereof (the "Projects").

(b) Other than (i) expenditures to be paid or reimbursed from sources other than the Bonds (as hereinafter defined), (ii) expenditures constituting preliminary expenditures within the meaning of Section 1.150-2(f)(2) of the Regulations, or (iii) expenditures in a "de minimus" amount (as defined in Section 1.150-2(f)(1) of the Regulations), no expenditures for the Projects have been paid by the City before the sixty (60) days before the date of adoption of this resolution.

(c) The City reasonably expects to reimburse the expenditures made for costs of the Projects out of the proceeds of debt in an estimated maximum aggregate principal amount of \$7,400,000.00 (the "Bonds") after the date of payment of all or a portion of the costs of the Projects. All reimbursed expenditures shall be capital expenditures, a cost of issuance of the Bonds or other expenditures eligible for reimbursement under Section 1.150-2(d)(3) of the Regulations.

3. Budgetary Matters. As of the date hereof, there are no City funds reserved, allocated on a long-term basis, or otherwise set aside (or reasonably expected to be reserved, allocated on a long-term basis, or otherwise set aside) to provide permanent financing for the expenditures related to the Projects, other than pursuant to the issuance of the Bonds. The statement of intent contained in this resolution, therefore, is determined to be consistent with the City's budgetary and financial circumstances as they exist or are reasonably foreseeable on the date hereof.

4. Reimbursement Allocations. The City's financial officer shall be responsible for making the "reimbursement allocations" described in the Regulations, being generally the transfer of the appropriate amount of proceeds of the Bonds to reimburse the source of temporary financing used by the City to make prior payment of the costs of the Projects. Each allocation shall be evidenced by an entry on the official books and records of the City maintained for the Bonds or the Projects and shall specifically identify the actual original expenditure being reimbursed.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 28th day of January 2019.

Mark Windschitl, Mayor

Attest: _____
Denise Wetzel, Deputy Clerk

EXHIBIT A

<u>PROJECTS:</u>	
<u>Acquisition of right-of-way for TH 212/CSAH 44 Interchange Project</u> Fund 532	\$2,700,000
<u>2019 Downtown Street/Utility Reconstruction Project</u> Fund 524	\$2,900,000
<u>Purchase of Parcel #7 for SW Community Park</u> Fund 532	\$1,800,000
Total All Projects	\$7,400,000

REQUEST FOR ACTION CHASKA CITY COUNCIL 01/28/2019

Subject: Adopt Chaska Water Supply Plan

Prepared By: Matt Haefner, Water & Sewer Director

Background

All public water suppliers in Minnesota that operate a public water distribution system, serve more than 1000 people and/or all cities in the 7-county metro area, must have a water supply plan approved by the Minnesota Department of Natural Resources (DNR).

This plan is the update for the previously approved 2009 Water Supply Plan.

Completing a Water Supply Plan that receives DNR approval fulfills a water supplier's statutory obligations under M.S. 13G.291. For water suppliers in the metropolitan area, the Water Supply Plan will help fulfill requirements under M.S. 473.859.

Additional benefits of completing a Water Supply Plan:

- Help water suppliers prepare for droughts and water emergencies.
- Create eligibility for funding requests to the Minnesota Department of Health for the Drinking Water Revolving Fund.
- Allow water suppliers to submit requests for new wells or expanded capacity of existing wells.
- Simplify the development of county comprehensive water plans and watershed plans.
- Fulfill the contingency plan provisions required in the MDH wellhead protection and surface water protection plans.
- Fulfill the demand reduction requirements of Minnesota Statutes, section 103G.291 subd. 3 and 4.

As part of the final approval process Council must formally adopt the plan after receiving DNR approval.

Recommendation

Staff is recommending Council adopt Chaska's Water Supply Plan.

CITY COUNCIL ACTION REQUESTED

Motion to approve resolution adopting Chaska's Water Supply Plan



City of Chaska Local Water Supply Plan

Formerly called Water Emergency & Water Conservation Plan



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APPENDIX 1:	WELL RECORDS AND MAINTENANCE SUMMARIES
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APPENDIX 10:	ADOPTED OR PROPOSED REGULATIONS TO REDUCE DEMAND OR IMPROVE WATER EFFICIENCY
APPENDIX 11:	IMPLEMENTATION CHECKLIST

Complete Table 1 with information about the public water supply system covered by this WSP.

Table 1. General information regarding this WSP

Requested Information	Description
DNR Water Appropriation Permit Number(s)	75-6124
Ownership	Public
Metropolitan Council Area	Yes -Carver County
Street Address	City of Chaska 660 Victoria Drive
City, State, Zip	Chaska, MN 55318
Contact Person Name	Matt Haefner
Title	Water and Sewer Superintendent
Phone Number	952-227-7733
MDH Supplier Classification	Municipal

PART 1. WATER SUPPLY SYSTEM DESCRIPTION AND EVALUATION

The first step in any water supply analysis is to assess the current status of demand and availability. Information summarized in Part 1 can be used to develop Emergency Preparedness Procedures (Part 2) and the Water Conservation Plan (Part 3). This data is also needed to track progress for water efficiency measures.

A. Analysis of Water Demand

Complete Table 2 showing the past 10 years of water demand data.

- Some of this information may be in your Wellhead Protection Plan.
- If you do not have this information, do your best, call your engineer for assistance or if necessary leave blank.

If your customer categories are different than the ones listed in Table 2, please describe the differences below:

None

Table 2. Historic water demand (see definitions in the glossary after Part 4 of this template)

Year	Pop. Served	Total Connections	Residential Water Delivered (MG)	C/I/I Water Delivered (MG)	Water used for Non-essential	Wholesale Deliveries (MG)	Total Water Delivered (MG)	Total Water Pumped (MG)	Water Supplier Services	Percent Unmetered/Unaccounted	Average Daily Demand (MGD)	Max. Daily Demand (MGD)	Date of Max. Demand	Residential Per Capita Demand (GPCD)	Total per capita Demand (GPCD)
2005	19,522	5,697	609.146	299.182	-	-	908.328	1,039.000	31,000	12.6%	2.85	7.72	-	85.5	145.8
2006	20,543	5,923	719.074	369.788	-	-	1,088.862	1,189.000	36,000	8.4%	3.26	8.37	7/12/2006	95.9	158.6
2007	21,392	6,039	761.395	392.262	-	-	1,153.657	1,237.000	38,000	6.7%	3.39	8.18	7/22/2007	97.5	158.4
2008	22,501	6,095	702.854	376.045	-	-	1,078.899	1,140.000	38,000	5.4%	3.12	6.31	7/3/2008	85.6	138.8
2009	23,233	6,147	733.221	387.682	-	-	1,120.903	1,156.000	40,000	3.0%	3.17	6.96	7/11/2009	86.5	136.3
2010	23,770	6,213	508.186	527.979	-	-	1,036.165	1,060.000	40,000	2.2%	2.90	5.74	8/9/2010	58.6	122.2
2011	23,984	6,293	498.075	546.618	-	-	1,044.693	1,106.000	41,000	5.5%	3.03	5.95	6/7/2011	56.9	126.3
2012	24,097	6,369	561.866	596.434	-	-	1,158.300	1,212.300	43,000	4.5%	3.32	7.52	7/15/2012	63.9	137.8
2013	24,472	6,454	493.512	538.184	-	-	1,031.696	1,089.100	42,000	5.3%	2.98	6.85	8/26/2013	55.3	121.9
2014	24,854	6,621	450.136	522.367	-	-	972.503	1,036.200	42,000	6.1%	2.84	6.43	8/7/2014	49.6	114.2
2015	25,199	6,813	465.308	525.976	-	-	991.284	1,030.500	43,000	3.8%	2.82	6.01	8/14/2015	50.6	112.0
Avg. 2010-2015	24,396	6,461	496.181	542.926	-	-	1,039.107	1,089.017	41,800	4.6%	2.98	6.41	-	55.8	122.4

MG – Million Gallons**MGD** – Million Gallons per Day**GPCD** – Gallons per Capita per Day

Complete Table 3 by listing the top 10 water users by volume, from largest to smallest. For each user, include information about the category of use (residential, commercial, industrial, institutional, or wholesale), the amount of water used in gallons per year, the percent of total water delivered, and the status of water conservation measures.

Table 3. Large volume users

Customer	Use Category (Residential, Industrial, etc.)	Amount Used (Gallons per Year)	Percent of Total Annual Water Delivered	Implementing Water Conservation Measures? (Yes/No/Unknown)
UNITED HEALTH CARE	Industrial	34,711,000	3.5%	Unknown
ARYZTA LLC (Chef Solutions)	Industrial	20,893,000	2.1%	Unknown
LIFE CORE BIOMEDICAL	Industrial	20,432,000	2.1%	Unknown
TEL FSI INC	Industrial	19,039,000	1.9%	Unknown
BECKMAN COULTER	Industrial	15,874,000	1.6%	Unknown
CHASKA PUBLIC SCHOOL	Commercial	12,296,000	1.2%	Yes
AMER BLUE RIBBON HOLDINGS (VICORP)	Industrial	8,430,000	0.9%	Unknown
ENTEGRIS	Industrial	4,979,000	0.5%	Unknown
NORTHERN STAR	Industrial	3,722,000	0.4%	Unknown
LAKE REGION MEDICAL	Industrial	3,518,000	0.4%	Unknown

B. Treatment and Storage Capacity

Complete Table 4 with a description of where water is treated, the year treatment facilities were constructed, water treatment capacity, the treatment methods (i.e. chemical addition, reverse osmosis, coagulation, sedimentation, etc.) and treatment types used (i.e. fluoridation, softening, chlorination, Fe/MN removal, coagulation, etc.). Also describe the annual amount and method of disposal of treatment residuals. Add rows to the table as needed.

Table 4. Water treatment capacity and treatment processes

Treatment Site ID (Plant Name or Well ID)	Year Const ructe d	Treatment Capacity	Treatment Method	Treatment Type	Annual Amount of Residuals	Disposal Process for Residuals	Do You Reclaim Filter Backwash Water?
WTP Victoria Dr.	2006	12.6 MGD	Aeration Filtration Chem. addition	Fe/MN Removal Chlorination Fluoridation	1,421,312	Sanitary Sewer	Yes
Well 7	1996	1,750 GPM	Chem. addition	Chlorination Fluoridation	-	-	-
Total	NA	-	NA	NA	1,421,312	NA	NA

Complete Table 5 with information about storage structures. Describe the type (i.e. elevated, ground, etc.), the storage capacity of each type of structure, the year each structure was constructed, and the primary material for each structure. Add rows to the table as needed.

Table 5. Storage capacity, as of the end of the last calendar year

Structure Name	Type of Storage Structure	Year Constructed	Primary Material	Storage Capacity (Gallons)
Symphony Hills	Elevated storage	2007	Steel	750,000
Hundertmark Tower	Elevated storage	2001	Steel	1,500,000
NE Industrial Tower	Elevated storage	1971	Steel	1,500,000
Ground Reservoir	Ground reservoir	1941	Concrete	300,000
Total	NA	NA	NA	4,050,000

Treatment and storage capacity versus demand

It is recommended that total storage equal or exceed the average daily demand. Discuss the difference between current storage and treatment capacity versus the water supplier's projected average water demand over the next 10 years (see Table 7 for projected water demand):

The Victoria Dr. WTP capacity of 12.6 MGD exceeds the projected 2025 maximum day of 9.4 MGD and the 2040 demand of 11.7 MGD. The existing firm water supply is 9.5 MGD (one well out of service). Therefore, additional water supply will be required around 2025.

The existing storage volume of 4.05 MG exceeds the projected 2025 average day demand of 3.7 MGD. However, growth in the southwest portion of Chaska will lead the City to build additional elevated water storage at that time. The 2040 average day demand is projected to be 4.7 MGD.

C. Water Sources

Complete Table 6 by listing all types of water sources that supply water to the system, including groundwater, surface water, interconnections with other water suppliers, or others. Provide the name of each source (aquifer name, river or lake name, name of interconnecting water supplier) and the Minnesota unique well number or intake ID, as appropriate. Report the year the source was installed or established and the current capacity. Provide information about the depth of all wells. Describe the status of the source (active, inactive, emergency only, retail/wholesale interconnection) and if the source facilities have a dedicated emergency power source. Add rows to the table as needed for each installation.

Include copies of well records and maintenance summary for each well that has occurred since your last approved plan in **Appendix 1**.

Table 6. Water sources and status

Resource Type (Groundwater, Surface water, Interconnection)	Resource Name	MN Unique Well # or Intake ID	Year Installed	Capacity (Gallons per Minute)	Well Depth (Feet)	Status of Normal and Emergency Operations (	Does this Source have a Dedicated Emergency Power Source? (Yes or No)
GW, Well 4	Tunnel City/Wonewoc /Mt Simon	200809	1972	1,370	813 ft	Active	Yes
GW, Well 5	Wonewoc/Mt Simon	110453	1975	1,700	773 ft	Active	No
GW, Well 6	Mt Simon	161435	1985	1,650	817 ft	Active	Yes
GW, Well 7	Glacial Drift	557822	1996	1,750	368 ft	Active	No
GW, Well 8	Tunnel City/Wonewoc	674318	2003	1,000	576 ft	Active	Yes
GW, Well 9	Jordan	677176	2003	870	333 ft	Active	Yes
Interconnection	City of Chanhassen	-		1,400 GPM	-	Emergency	NA
Interconnection	City of Victoria	-		1,200 GPM	-	Emergency	NA

Limits on Emergency Interconnections

Discuss any limitations on the use of the water sources (e.g. not to be operated simultaneously, limitations due to blending, aquifer recovery issues etc.) and the use of interconnections, including capacity limits or timing constraints (i.e. only 200 gallons per minute are available from the City of Prior Lake, and it is estimated to take 6 hours to establish the emergency connection). If there are no limitations, list none.

Both Chaska and the adjacent utility (Chanhassen or Victoria) need to open a closed valve to allow for emergency interconnection. Closed valves are exercised and interconnection pipes flushed annually.

D. Future Demand Projections – Key Metropolitan Council Benchmark

Water Use Trends

Use the data in Table 2 to describe trends in 1) population served; 2) total per capita water demand; 3) average daily demand; 4) maximum daily demand. Then explain the causes for upward or downward trends. For example, over the ten years has the average daily demand trended up or down? Why is this occurring?

Population growth in Chaska is approximately 1.2% annually since 2011, down from a peak of 5% in 2008.

Total per capita water demand is decreasing; from over 150 gpcd in 2005 – 2007 to 113 gpcd in 2014 – 2015. The total per capita water demand average was approximately 130 gpcd between 2007 and 2015.

Average day water demand has been relatively flat over the last 10 years as per capita water usage has dropped as population has slowly increased. However, the maximum day water demands have decreased from a high of 8.37 MGD in 2006 to 6.01 MGD in 2015.

Use the water use trend information discussed above to complete Table 7 with projected annual demand for the next ten years. Communities in the seven-county Twin Cities metropolitan area must also include projections for 2030 and 2040 as part of their local comprehensive planning.

Projected demand should be consistent with trends evident in the historical data in Table 2, as discussed above. Projected demand should also reflect state demographer population projections and/or other planning projections.

Table 7. Projected annual water demand

Year	Projected Total Population	Projected Population Served	Projected Total Per Capita Water Demand (GPCD)	Projected Average Daily Demand (MGD)	Projected Maximum Daily Demand (MGD)
2016	26,000	25,300	130	3.3	8.2
2017	26,275	25,563	130	3.3	8.3
2018	26,550	25,827	130	3.4	8.4
2019	26,825	26,090	130	3.4	8.5
2020	27,100	26,353	130	3.4	8.6
2021	27,590	26,843	130	3.5	8.7
2022	28,080	27,333	130	3.6	8.9
2023	28,570	27,823	130	3.6	9.0
2024	29,060	28,313	130	3.7	9.2
2025	29,550	28,803	130	3.7	9.4
2030	32,000	31,253	130	4.1	10.2
2040	36,600	35,853	130	4.7	11.7

GPCD – Gallons per Capita per Day

MGD – Million Gallons per Day

Projection Method

Describe the method used to project water demand, including assumptions for population and business growth and how water conservation and efficiency programs affect projected water demand:

The total per capita water demand average was approximately 130 gpcd between 2007 and 2015. This per capita is projected forward through 2040 as population growth in Chaska increases over 40 percent. Chaska has experienced a significant drop in per capita water use since the previous water supply plan.

The projected maximum day demand was calculated based on a maximum to average day demand ratio of 2.5. The last several years the maximum day demand ratio has been lower, but for planning purposes a conservative approach is preferred. A maximum day demand factor of 2.5 has not been exceeded since 2006.

E. Resource Sustainability

Monitoring – Key DNR Benchmark

Complete Table 8 by inserting information about source water quality monitoring efforts. The list should include all production wells, observation wells, and source water intakes or reservoirs. Additional information on groundwater level monitoring program at: http://www.dnr.state.mn.us/waters/groundwater_section/obwell/index.html

Table 8. Information about source water quality monitoring

MN Unique Well # or Surface Water ID	Type of monitoring point	Monitoring program	Frequency of monitoring	Monitoring Method
200809 Well 4	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ Routine MDH sampling ☒ Routine water utility sampling ☐ other	☒ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☒ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge

MN Unique Well # or Surface Water ID	Type of monitoring point	Monitoring program	Frequency of monitoring	Monitoring Method
110453 Well 5	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ Routine MDH sampling ☒ Routine water utility sampling ☐ other	☒ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☒ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge
161435 Well 6	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ Routine MDH sampling ☒ Routine water utility sampling ☐ other	☒ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☒ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge
557822 Well 7	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ Routine MDH sampling ☒ Routine water utility sampling ☐ other	☒ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☒ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge
674318 Well 8	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ Routine MDH sampling ☒ Routine water utility sampling ☐ other	☒ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☒ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge
677176 Well 9	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ Routine MDH sampling ☒ Routine water utility sampling ☐ other	☒ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☒ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge

Water Level Data

A water level monitoring plan that includes monitoring locations and a schedule for water level readings must be submitted as **Appendix 2**. If one does not already exist, it needs to be prepared and submitted with the WSP. Ideally, all production and observation wells are monitored at least monthly.

Complete Table 9 to summarize water level data for each well being monitored. Provide the name of the aquifer and a brief description of how much water levels vary over the season (the difference between the highest and lowest water levels measured during the year) and the long-term trends for each well. If water levels are not measured and recorded on a routine basis, then provide the static water level when each well was constructed and the most recent water level measured during the same season the well was constructed. Also include all water level data taken during any well and pump maintenance. Add rows to the table as needed.

Provide water level data graphs for each well in **Appendix 3** for the life of the well, or for as many years as water levels have been measured. See DNR website for Date Time Water Level http://www.dnr.state.mn.us/waters/groundwater_section/obwell/waterleveldata.html

Table 9. Water level data

Unique Well Number or Well ID	Aquifer Name	Seasonal Variation (Feet)	Long-term Trend in water level data	Water level measured during well/pumping maintenance
200809 Well 4	Mt Simon/Hinckley	~50 ft	☐ Falling ☐ Stable ☒ Rising	08/2016: 211 ft 08/2015: 226 ft 08/2014: 231 ft
110453 Well 5	Mt Simon/Hinckley	~55 ft	☒ Falling ☐ Stable ☐ Rising	08/2016: 230 ft 08/2015: 228 ft 08/2014: 228 ft
161435 Well 6	Mt Simon/Hinckley	~60 ft	☐ Falling ☐ Stable ☒ Rising	08/2016: 235 ft 08/2015: 226 ft 08/2014: 236 ft
557822 Well 7	Glacial Drift	~0 ft	☐ Falling ☐ Stable ☒ Rising	08/2016: 178 ft 08/2015: 178 ft 08/2014: 178 ft
674318 Well 8	FIG	~25 ft	☐ Falling ☒ Stable ☐ Rising	08/2016: 148 ft 08/2015: 148 ft 08/2014: 151 ft
677176 Well 9	Jordan	~10 ft	☐ Falling ☒ Stable ☐ Rising	08/2016: 125 ft 08/2015: 124 ft 08/2014: 125 ft

Potential Water Supply Issues & Natural Resource Impacts – Key DNR & Metropolitan Council Benchmark

Complete Table 10 by listing the types of natural resources that are or could be impacted by permitted water withdrawals. If known, provide the name of specific resources that may be impacted. Identify what the greatest risks to the resource are and how the risks are being assessed. Identify any resource protection thresholds – formal or informal – that have been established to identify when actions should be taken to mitigate impacts. Provide information about the potential mitigation actions that may be taken, if a resource protection threshold is crossed. Add additional rows to the table as needed. See the glossary at the end of the template for definitions.

Some of this baseline data should have been in your earlier water supply plans or county comprehensive water plans. When filling out this table, think of what are the water supply risks, identify the resources, determine the threshold and then determine what your community will do to mitigate the impacts.

Your DNR area hydrologist is available to assist with this table.

For communities in the seven-county Twin Cities metropolitan area, the *Master Water Supply Plan Appendix 1 (Water Supply Profiles)*, provides information about potential water supply issues and natural resource impacts for your community.

Table 10. Natural resource impacts

Resource Type	Resource Name	Risk	Risk Assessed Through	Describe Resource Protection Threshold*	Mitigation Measure or Management Plan	Describe How Changes to Thresholds are Monitored
☐ River or stream		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: _____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	
☒ Calcareous fen	Seminary Fen	☒ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☒ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☒ Monitoring ☐ Aquifer testing ☐ Other: _____	Wetlands Conservation Act states that calcareous fens may not be filled, drained, or otherwise degraded (wholly or partially). A measurable decline in water level may constitute draining or degradation.	☐ Revise permit ☒ Change groundwater pumping ☒ Increase conservation ☐ Other	The DNR establishes the monitoring requirements for permitted water suppliers, determining the threshold at which the fen has been impacted.
☐ Lake		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: _____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	

Resource Type	Resource Name	Risk	Risk Assessed Through	Describe Resource Protection Threshold*	Mitigation Measure or Management Plan	Describe How Changes to Thresholds are Monitored
☐ Wetland		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: _____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	
☒ Trout Stream	Assumption Creek	☒ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☒ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☒ Monitoring ☐ Aquifer testing ☐ Other: _____	Preserve the seasonal variability of the natural hydrology and maintain geomorphology, water quality, connectivity, and biology of the system the vast majority of the time.	☐ Revise permit ☒ Change groundwater pumping ☒ Increase conservation ☐ Other	DNR Fisheries makes recommendations to establish thresholds for trout streams. Current threshold is that any impacts resulting in 10% reduction of base flow are unacceptable.
☒ Aquifer	Jordan Aquifer	☒ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☒ Monitoring ☒ Aquifer testing ☐ Other: _____	Established threshold guideline is water level drop no more than half of the available head. Law does not allow aquifer to be pumped so that a confined aquifer becomes unconfined.	☐ Revise permit ☒ Change groundwater pumping ☒ Increase conservation ☐ Other	DNR has oversight on thresholds (and permitting) for pumping from regional bedrock aquifers.

Resource Type	Resource Name	Risk	Risk Assessed Through	Describe Resource Protection Threshold*	Mitigation Measure or Management Plan	Describe How Changes to Thresholds are Monitored
☐ Endangered, threatened, or special concern species habitat, other Natural resource impacts						

* Examples of thresholds: a lower limit on acceptable flow in a river or stream; water quality outside of an accepted range; a lower limit on acceptable aquifer level decline at one or more monitoring wells; withdrawals that exceed some percent of the total amount available from a source; or a lower limit on acceptable changes to a protected habitat.

Wellhead Protection (WHP) and Source Water Protection (SWP) Plans

Complete Table 11 to provide status information about WHP and SWP plans.

The emergency procedures in this plan are intended to comply with the contingency plan provisions required in the Minnesota Department of Health's (MDH) Wellhead Protection (WHP) Plan and Surface Water Protection (SWP) Plan.

Table 11. Status of Wellhead Protection and Source Water Protection Plans

Plan Type	Status	Date Adopted	Date for Update
WHP	☐ In Process ☒ Completed ☐ Not Applicable	2006 (Original plan)	2017 (Updated plan in progress)
SWP	☐ In Process ☐ Completed ☒ Not Applicable	N/A	N/A

WHP – Wellhead Protection Plan **SWP** – Source Water Protection Plan

F. Capital Improvement Plan (CIP)

Please note that any wells that received approval under a ten-year permit, but that were not built, are now expired and must submit a water appropriations permit.

Adequacy of Water Supply System

Complete Table 12 with information about the adequacy of wells and/or intakes, storage facilities, treatment facilities, and distribution systems to sustain current and projected demands. List planned capital improvements for any system components, in chronological order. Communities in the seven-county Twin Cities metropolitan area should also include information about plans through 2040.

The assessment can be the general status by category; it is not necessary to identify every single well, storage facility, treatment facility, lift station, and mile of pipe.

Please attach your latest Capital Improvement Plan as **Appendix 4**.

Table 12. Adequacy of Water Supply System

System Component	Planned action	Anticipated Construction Year	Notes
Wells/Intakes	☐ No action planned - adequate ☐ Repair/replacement ☒ Expansion/addition	2020	Additional water supply well planned
Water Storage Facilities	☐ No action planned - adequate ☐ Repair/replacement ☒ Expansion/addition	2025	Future Southwest Water Tower
Water Treatment Facilities	☐ No action planned - adequate ☐ Repair/replacement ☒ Expansion/addition	2020	Future Pioneer Trail Water Treatment Plant
Distribution Systems (pipes, valves, etc.)	☐ No action planned - adequate ☒ Repair/replacement ☐ Expansion/addition	Ongoing	Continued pipe replacement program and preventative maintenance
Pressure Zones	☐ No action planned - adequate ☐ Repair/replacement ☒ Expansion/addition	2030 2030	Future expansion of Golf Course Booster Station serving Zone IV. Connect two separate zones into one zone.
Other:	☐ No action planned - adequate ☐ Repair/replacement ☐ Expansion/addition		

Proposed Future Water Sources

Complete Table 13 to identify new water source installation planned over the next ten years. Add rows to the table as needed.

Table 13. Proposed future installations/sources

Source	Installation Location (approximate)	Resource Name	Proposed Pumping Capacity (gpm)	Planned Installation Year	Planned Partnerships
Groundwater	Near Well No. 7	Well No. 10	1,000	2020	None
Surface Water	NA				
Interconnection to another supplier	Southwest Chaska	City of Caver water system	Unknown – both systems not yet expanded there.	2040	Carver

Water Source Alternatives - Key Metropolitan Council Benchmark

Do you anticipate the need for alternative water sources in the next 10 years? ☐ Yes ☒ No

For metro communities, will you need alternative water sources by the year 2040? ☐ Yes ☒ No

If you answered yes for either question, then complete table 14. If no, insert NA.

Complete Table 14 by checking the box next to alternative approaches that your community is considering, including approximate locations (if known), the estimated amount of future demand that could be met through the approach, the estimated timeframe to implement the approach, potential partnerships, and the major benefits and challenges of the approach. Add rows to the table as needed.

For communities in the seven-county Twin Cities metropolitan area, these alternatives should include approaches the community is considering to meet projected 2040 water demand.

Table 14. Alternative water sources

Alternative Source Considered	Source and/or Installation Location (approximate)	Estimated Amount of Future Demand (%)	Timeframe to Implement (YYYY)	Potential Partners	Benefits	Challenges
☐ Groundwater	NA					
☐ Surface Water	NA					
☐ Reclaimed Stormwater	NA					
☐ Reclaimed Wastewater	NA					
☐ Interconnection to another supplier	NA					

PART 2. EMERGENCY PREPAREDNESS PROCEDURES

The emergency preparedness procedures outlined in this plan are intended to comply with the contingency plan provisions required by MDH in the WHP and SWP. Water emergencies can occur as a result of vandalism, sabotage, accidental contamination, mechanical problems, power failings, drought, flooding, and other natural disasters. The purpose of emergency planning is to develop emergency response procedures and to identify actions needed to improve emergency preparedness. In the case of a municipality, these procedures should be in support of, and part of, an all-hazard emergency operations plan. Municipalities that already have written procedures dealing with water emergencies should review the following information and update existing procedures to address these water supply protection measures.

A. Federal Emergency Response Plan

Section 1433(b) of the Safe Drinking Water Act, (Public Law 107-188, Title IV- Drinking Water Security and Safety) requires community water suppliers serving over 3,300 people to prepare an Emergency Response Plan.

Do you have a federal emergency response plan? ☒ Yes ☐ No

If yes, what was the date it was certified? January 2005

Complete Table 15 by inserting the noted information regarding your completed Federal Emergency Response Plan.

Table 15. Emergency Preparedness Plan contact information

Emergency Response Plan Role	Contact Person	Contact Phone Number	Contact Email
Emergency Response Lead	Matt Haefner	612-919-4589	mhaefner@chaskamn.com
Alternate Emergency Response Lead	Brad Doerr	612-919-9679	bdoerr@chaskamn.com

B. Operational Contingency Plan

All utilities should have a written operational contingency plan that describes measures to be taken for water supply mainline breaks and other common system failures as well as routine maintenance.

Do you have a written operational contingency plan? ☒ Yes ☐ No

At a minimum, a water supplier should prepare and maintain an emergency contact list of contractors and suppliers.

C. Emergency Response Procedures

Water suppliers must meet the requirements of MN Rules 4720.5280 . Accordingly, the Minnesota Department of Natural Resources (DNR) requires public water suppliers serving more than 1,000 people to submit Emergency and Conservation Plans. Water emergency and conservation plans that have been approved by the DNR, under provisions of Minnesota Statute 186 and Minnesota Rules, part 6115.0770, will be considered equivalent to an approved WHP contingency plan.

Emergency Telephone List

Prepare and attach a list of emergency contacts, including the MN Duty Officer (1-800-422-0798), as **Appendix 5**. A template is available at www.mndnr.gov/watersupplyplans

The list should include key utility and community personnel, contacts in adjacent water suppliers, and appropriate local, state and federal emergency contacts. Please be sure to verify and update the contacts on the emergency telephone list and date it. Thereafter, update on a regular basis (once a year is recommended). In the case of a municipality, this information should be contained in a notification and warning standard operating procedure maintained by the Emergency Manager for that community. Responsibilities and services for each contact should be defined.

Current Water Sources and Service Area

Quick access to concise and detailed information on water sources, water treatment, and the distribution system may be needed in an emergency. System operation and maintenance records should be maintained in secured central and back-up locations so that the records are accessible for emergency purposes. A detailed map of the system showing the treatment plants, water sources, storage facilities, supply lines, interconnections, and other information that would be useful in an emergency should also be readily available. It is critical that public water supplier representatives and emergency response personnel communicate about the response procedures and be able to easily obtain this kind of information both in electronic and hard copy formats (in case of a power outage).

Do records and maps exist? ☒ Yes ☐ No

Can staff access records and maps from a central secured location in the event of an emergency?

☒ Yes ☐ No

Does the appropriate staff know where the materials are located? ☒ Yes ☐ No

Procedure for Augmenting Water Supplies

Complete Tables 16 – 17 by listing all available sources of water that can be used to augment or replace existing sources in an emergency. Add rows to the tables as needed.

In the case of a municipality, this information should be contained in a notification and warning standard operating procedure maintained by the warning point for that community. Municipalities are encouraged to execute cooperative agreements for potential emergency water services and copies should be included in **Appendix 6**. Outstate Communities may consider using nearby high capacity wells (industry, golf course) as emergency water sources.

WSP should include information on any physical or chemical problems that may limit interconnections to other sources of water. Approvals from the MDH are required for interconnections or the reuse of water.

Table 16. Interconnections with other water supply systems to supply water in an emergency

Other Water Supply System Owner	Capacity (GPM & MGD)	Note Any Limitations On Use	List of services, equipment, supplies available to respond
Chanhassen	1,400 GPM	None, both communities just open valve.	
Victoria	1,200 GPM	None, both communities just open valve.	

GPM – Gallons per minute MGD – million gallons per day

Table 17. Utilizing surface water as an alternative source

Surface Water Source Name	Capacity (GPM)	Capacity (MGD)	Treatment Needs	Note Any Limitations On Use
None				

If not covered above, describe additional emergency measures for providing water (obtaining bottled water, or steps to obtain National Guard services, etc.)

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Allocation and Demand Reduction Procedures

Complete Table 18 by adding information about how decisions will be made to allocate water and reduce demand during an emergency. Provide information for each customer category, including its priority ranking, average day demand, and demand reduction potential for each customer category. Modify the customer categories as needed, and add additional lines if necessary.

Water use categories should be prioritized in a way that is consistent with Minnesota Statutes 103G.261 (#1 is highest priority) as follows:

1. Water use for human needs such as cooking, cleaning, drinking, washing and waste disposal; use for on-farm livestock watering; and use for power production that meets contingency requirements.
2. Water use involving consumption of less than 10,000 gallons per day (usually from private wells or surface water intakes)
3. Water use for agricultural irrigation and processing of agricultural products involving consumption of more than 10,000 gallons per day (usually from private high-capacity wells or surface water intakes)
4. Water use for power production above the use provided for in the contingency plan.
5. All other water use involving consumption of more than 10,000 gallons per day.
6. Nonessential uses – car washes, golf courses, etc.

Water used for human needs at hospitals, nursing homes and similar types of facilities should be designated as a high priority to be maintained in an emergency. Lower priority uses will need to address

water used for human needs at other types of facilities such as hotels, office buildings, and manufacturing plants. The volume of water and other types of water uses at these facilities must be carefully considered. After reviewing the data, common sense should dictate local allocation priorities to protect domestic requirements over certain types of economic needs. Water use for lawn sprinkling, vehicle washing, golf courses, and recreation are legislatively considered non-essential.

Table 18. Water use priorities

Customer Category	Allocation Priority	Average Daily Demand (GPD)	Short-Term Emergency Demand Reduction Potential (GPD)
Residential	1	1,350,000	675,000
Commercial/Industrial/Institutional	2	1,115,000	400,000
Commercial/Industrial	5	385,000	105,000
Public	6	42,000	20,000
TOTAL	NA	3,000,000	1,200,000

GPD – Gallons per Day

Tip: Calculating Emergency Demand Reduction Potential

The emergency demand reduction potential for all uses will typically equal the difference between maximum use (summer demand) and base use (winter demand). In extreme emergency situations, lower priority water uses must be restricted or eliminated to protect priority domestic water requirements. Emergency demand reduction potential should be based on average day demands for customer categories within each priority class. Use the tables in Part 3 on water conservation to help you determine strategies.

Complete Table 19 by selecting the triggers and actions during water supply disruption conditions.

Table 19. Emergency demand reduction conditions, triggers and actions (Select all that may apply and describe)

Emergency Triggers	Short-term Actions	Long-term Actions
☒ Contamination ☒ Loss of production ☒ Infrastructure failure ☒ Executive order by Governor ☐ Other: _____	☒ Supply augmentation through emergency interconnections. ☒ Enforce a critical water deficiency ordinance to penalize lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☐ Water allocation through____ ☐ Meet with large water users to discuss their contingency plan.	☒ Supply augmentation through emergency interconnections and temporary water treatment, if needed. ☒ Enforce a critical water deficiency ordinance to penalize lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☐ Water allocation through____ ☒ Meet with large water users to discuss their contingency plan.

Notification Procedures

Complete Table 20 by selecting trigger for informing customers regarding conservation requests, water use restrictions, and suspensions; notification frequencies; and partners that may assist in the notification process. Add rows to the table as needed.

Table 20. Plan to inform customers regarding conservation requests, water use restrictions, and suspensions

Notification Trigger(s)	Methods (select all that apply)	Update Frequency	Partners
☒ Short-term demand reduction declared (< 1 year)	☒ Website ☒ Email list serve ☒ Social media (e.g. Twitter, Facebook) ☐ Direct customer mailing, ☐ Press release (TV, radio, newspaper), ☐ Meeting with large water users (> 10% of total city use) ☐ Other: _____	☐ Daily ☒ Weekly ☒ Monthly ☒ Annually	
☒ Long-term Ongoing demand reduction declared	☒ Website ☒ Email list serve ☒ Social media (e.g. Twitter, Facebook) ☒ Direct customer mailing, ☒ Press release (TV, radio, newspaper), ☒ Meeting with large water users (> 10% of total city use) ☐ Other: _____	☒ Daily ☒ Weekly ☒ Monthly ☒ Annually	
☒ Governor's Critical water deficiency declared	☒ Website ☒ Email list serve ☒ Social media (e.g. Twitter, Facebook) ☒ Direct customer mailing, ☒ Press release (TV, radio, newspaper), ☒ Meeting with large water users (> 10% of total city use) ☐ Other: _____	☒ Daily ☒ Weekly ☒ Monthly ☒ Annually	

Enforcement

Prior to a water emergency, municipal water suppliers must adopt regulations that restrict water use and outline the enforcement response plan. The enforcement response plan must outline how conditions will be monitored to know when enforcement actions are triggered, what enforcement tools will be used, who will be responsible for enforcement, and what timelines for corrective actions will be expected.

Affected operations, communications, and enforcement staff must then be trained to rapidly implement those provisions during emergency conditions.

Important Note:

Disregard of critical water deficiency orders, even though total appropriation remains less than permitted, is adequate grounds for immediate modification of a public water supply authority's water use permit (2013 MN Statutes 103G.291)

Does the city have a critical water deficiency restriction/official control in place that includes provisions to restrict water use and enforce the restrictions? (This restriction may be an ordinance, rule, regulation, policy under a council directive, or other official control) ☒ Yes ☐ No

If yes, attach the official control document to this WSP as Appendix 7.

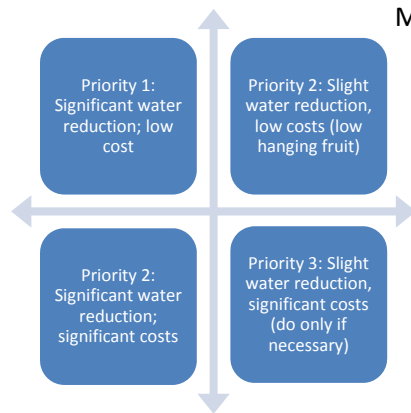
If no, the municipality must adopt such an official control within 6 months of submitting this WSP and submit it to the DNR as an amendment to this WSP.

Irrespective of whether a critical water deficiency control is in place, does the public water supply utility, city manager, mayor, or emergency manager have standing authority to implement water restrictions?
☒ Yes ☐ No

If yes, cite the regulatory authority reference: Chaska Code of Ordinance: Chapter 25, Section 10
(See Appendix 7)

If no, who has authority to implement water use restrictions in an emergency?

PART 3. WATER CONSERVATION PLAN



Minnesotans have historically benefited from the state's abundant water supplies, reducing the need for conservation. There are however, limits to the available supplies of water and increasing threats to the quality of our drinking water. Causes of water supply limitation may include: population increases, economic trends, uneven statewide availability of groundwater, climatic changes, and degraded water quality. Examples of threats to drinking water quality include: the presence of contaminant plumes from past land use activities, exceedances of water quality standards from natural and human sources, contaminants of emerging concern, and increasing pollutant trends from nonpoint sources.

There are many incentives for conserving water; conservation:

- reduces the potential for pumping-induced transfer of contaminants into the deeper aquifers, which can add treatment costs
- reduces the need for capital projects to expand system capacity
- reduces the likelihood of water use conflicts, like well interference, aquatic habitat loss, and declining lake levels
- conserves energy, because less energy is needed to extract, treat and distribute water (and less energy production also conserves water since water is used to produce energy)
- maintains water supplies that can then be available during times of drought

It is therefore imperative that water suppliers implement water conservation plans. The first step in water conservation is identifying opportunities for behavioral or engineering changes that could be made to reduce water use by conducting a thorough analysis of:

- Water use by customer
- Extraction, treatment, distribution, and irrigation system efficiencies
- Industrial processing system efficiencies
- Regulatory and barriers to conservation
- Cultural barriers to conservation
- Water reuse opportunities

Once accurate data is compiled, water suppliers can set achievable goals for reducing water use. A successful water conservation plan follows a logical sequence of events. The plan should address both conservation on the supply side (leak detection and repairs, metering), as well as on the demand side (reductions in usage). Implementation should be conducted in phases, starting with the most obvious and lowest-cost options. In some cases one of the early steps will be reviewing regulatory constraints to water conservation, such as lawn irrigation requirements. Outside funding and grants may be available for implementation of projects. Engage water system operators and maintenance staff and customers in brainstorming opportunities to reduce water use. Ask the question: "How can I help save water?"

Progress since 2006

Is this your community's first Water Supply Plan? ☐ Yes ☒ No

If yes, describe conservation practices that you are already implementing, such as: pricing, system improvements, education, regulation, appliance retrofitting, enforcement, etc.

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If no, complete Table 21 to summarize conservation actions taken since the adoption of the 2006 water supply plan.

Table 21. Implementation of previous ten-year Conservation Plan

2006 Plan Commitments	Action Taken?
Change Water Rates Structure to provide conservation pricing	☒ Yes ☐ No
Water Supply System Improvements (e.g. leak repairs, valve replacements, etc.)	☒ Yes ☐ No
Educational Efforts	☒ Yes ☐ No
New water conservation ordinances - Prohibited drilling of new private well within MUSA.	☒ Yes ☐ No
Rebate or retrofitting Program (e.g. for toilet, faucets, appliances, showerheads, dish washers, washing machines, irrigation systems, rain barrels, water softeners, etc.	☐ Yes ☒ No
Enforcement	☒ Yes ☐ No
Other – AMI leak detection program for customers	☒ Yes ☐ No

What are the results you have seen from the actions in Table 21 and how were results measured?

With new smart water meters and leak detection program, the Utility is able to notify customers the same day when a leak is found. This program has an immediate reduction in per capita water usage. In the 18 months of operation the program has identified 350 connections which the Utility has notified of leak alert and offered to assist the water customer with identification and correction.

Total per capita water demand is decreasing; from over 150 gpcd in 2005 – 2007 to 113 gpcd in 2014 – 2015. Residential per capita water demand is decreasing at a high rate; from over 90 gpcd in 2005 – 2007 to 50 gpcd in 2014 – 2015.

A. Triggers for Allocation and Demand Reduction Actions

Complete table 22 by checking each trigger below, as appropriate, and the actions to be taken at various levels or stages of severity. Add in additional rows to the table as needed.

Table 22. Short and long-term demand reduction conditions, triggers and actions

Objective	Triggers	Actions
Protect Surface Water Flows	☒ Low stream flow conditions ☒ Reports of declining wetland and lake levels	☒ Increase promotion of conservation measures ☐ Other: _____
Short-term demand reduction (less than 1 year)	☒ Extremely high seasonal water demand (more than double winter demand) ☒ Loss of treatment capacity ☒ Lack of water in storage ☒ State drought plan ☒ Well interference ☐ Other: _____	☒ Enforce the critical water deficiency ordinance to restrict or prohibit lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☒ Supply augmentation through emergency interconnections. ☐ Water allocation through _____ ☐ Meet with large water users to discuss user's contingency plan.
Long-term demand reduction (>1 year)	☒ Per capita demand increasing ☐ Total demand increase (higher population or more industry) ☐ Water level in well(s) below elevation of _____ ☐ Other: _____	☒ Develop a critical water deficiency ordinance that is or can be quickly adopted to penalize lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☒ Meet with large water users to discuss user's contingency plan. ☒ Enhanced monitoring and reporting: audits, meters, billing, etc.
Governor's "Critical Water Deficiency Order" declared	☒ Determined by State	☒ Enact a water waste ordinance that targets overwatering (causing water to flow off the landscape into streets, parking lots, or similar), watering impervious surfaces (streets, driveways or other hardscape areas), and negligence of known leaks, breaks, or malfunctions.

B. Conservation Objectives and Strategies – Key benchmark for DNR

This section establishes water conservation objectives and strategies for eight major areas of water use.

Objective 1: Reduce Unaccounted (Non-Revenue) Water loss to Less than 10%

The Minnesota Rural Waters Association, the Metropolitan Council and the Department of Natural Resources recommend that all water uses be metered. Metering can help identify high use locations and times, along with leaks within buildings that have multiple meters.

It is difficult to quantify specific unmetered water use such as that associated with firefighting and system flushing or system leaks. Typically, water suppliers subtract metered water use from total water pumped to calculate unaccounted or non-revenue water loss.

Is your ten-year average (2005-2014) unaccounted Water Use in Table 2 higher than 10%? ☐ Yes ☒ No

What is your leak detection monitoring schedule? (e.g. monitor 1/3rd of the city lines per year)

NA. Leak deduction has not provided a cost effective tool for the City of Chaska; the last leak detection survey did not locate any leaks. Unaccounted for water has average 4.5% since last WSP in 2008.

Water Audits - are intended to identify, quantify and verify water and revenue losses. The volume of unaccounted-for water should be evaluated each billing cycle. The American Water Works Association (AWWA) recommends that ten percent or less of pumped water is unaccounted-for water. Water audit procedures are available from the AWWA and MN Rural Water Association www.mrwa.com. Drinking Water Revolving Loan Funds are available for purchase of new meters when new plants are built.

What is the date of your most recent water audit? __NA__

Frequency of water audits: ☐ yearly ☒ other _if needed_

Leak detection and survey: ☐ every year ☐ every other year ☒ periodic as needed

Year last leak detection survey completed: _2003 ± (no leaks located)_

If Table 2 shows annual water losses over 10% or an increasing trend over time, describe what actions will be taken to reach the <10% loss objective and within what timeframe

Not applicable. Average percent unmetered is 4.6% since 2010.

Metering -AWWA recommends that every water supplier install meters to account for all water taken into its system, along with all water distributed from its system at each customer's point of service. An effective metering program relies upon periodic performance testing, repair, maintenance or replacement of all meters. AWWA also recommends that water suppliers conduct regular water audits to ensure accountability. Some cities install separate meters for interior and exterior water use, but some research suggests that this may not result in water conservation.

Complete Table 23 by adding the requested information regarding the number, types, testing and maintenance of customer meters.

Table 23. Information about customer meters

Customer Category	Number of Customers	Number of Metered Connections	Number of Automated Meter Readers	Meter testing intervals (years)	Average age/meter replacement schedule (years)
Residential	6,103	6,103	-	10	3 / 25
Commercial	739	739	-	10	3 / 25
Industrial	98	98	-	10	3 / 25
Public Facilities	45	45	-	10	3 / 25
TOTALS	6,985	6,985	4,000	NA	NA

For unmetered systems, describe any plans to install meters or replace current meters with advanced technology meters. Provide an estimate of the cost to implement the plan and the projected water savings from implementing the plan.

Not applicable.

Table 24. Water source meters

	Number of Meters	Meter testing schedule (years)	Number of Automated Meter Readers	Average age/meter replacement schedule (years)
Water Source (wells/intakes)	6	Every 4 years	6 (through SCADA)	11 / 25
Treatment Plant	2	Annually	2 (through SCADA)	11 / 25

Objective 2: Achieve Less than 75 Residential Gallons per Capita Demand (GPCD)

The 2002 average residential per capita demand in the Twin Cities Metropolitan area was 75 gallons per capita per day.

Is your average 2010-2015 residential per capita water demand in Table 2 more than 75? ☐ Yes ☒ No

What was your 2005 – 2014 ten-year average residential per capita water demand? 73.5 g/person/day

Describe the water use trend over that timeframe:

Residential per capita water demand has decreased from over 95 gpcd in 2006 & 2007 to ~50 gpcd in 2014 & 2015. The residential per capita water demand average was approximately 55 gpcd between 2010 and 2015.

Complete Table 25 by checking which strategies you will use to continue reducing residential per capita demand and project a likely timeframe for completing each checked strategy (Select all that apply and add rows for additional strategies):

Table 25. Strategies and timeframe to reduce residential per capita demand

Strategy to reduce residential per capita demand	Timeframe for completing work
☐ Revise city ordinances/codes to encourage or require water efficient landscaping.	
☐ Revise city ordinance/codes to permit water reuse options, especially for non-potable purposes like irrigation, groundwater recharge, and industrial use. Check with plumbing authority to see if internal buildings reuse is permitted	
☒ Revise ordinances to limit irrigation. Describe the restricted irrigation plan: Eliminate day time irrigation (no watering 12 – 4).	2017
☐ Revise outdoor irrigation installations codes to require high efficiency systems (e.g. those with soil moisture sensors or programmable watering areas) in new installations or system replacements.	
☒ Make water system infrastructure improvements: Continue preventative maintenance to replace aging infrastructure and proactively replace valves and bolts (which fail first).	Ongoing
☐ Offer free or reduced cost water use audits for residential customers.	
☐ Implement a notification system to inform customers when water availability conditions change.	
☐ Provide rebates or incentives for installing water efficient appliances and/or fixtures indoors (e.g., low flow toilets, high efficiency dish washers and washing machines, showerhead and faucet aerators, water softeners, etc.)	
☐ Provide rebates or incentives to reduce outdoor water use (e.g., turf replacement/reduction, rain gardens, rain barrels, smart irrigation, outdoor	

Strategy to reduce residential per capita demand (water use meters, etc.)	Timeframe for completing work
☐ Identify supplemental Water Resources	
☐ Conduct audience-appropriate water conservation education and outreach.	
☒ Continue Meter Leak Alert Program: Immediately notify customers of detected leak through automatic meter system.	Ongoing

Objective 3: Achieve at least a 1.5% per year water reduction for Institutional, Industrial, Commercial, and Agricultural GPCD over the next 10 years or a 15% reduction in ten years.

Complete Table 26 by checking which strategies you will use to continue reducing non-residential customer use demand and project a likely timeframe for completing each checked strategy (add rows for additional strategies).

Where possible, substitute recycled water used in one process for reuse in another. (For example, spent rinse water can often be reused in a cooling tower.) Keep in mind the true cost of water is the amount on the water bill PLUS the expenses to heat, cool, treat, pump, and dispose of/discharge the water. Don't just calculate the initial investment. Many conservation retrofits that appear to be prohibitively expensive are actually very cost-effective when amortized over the life of the equipment. Often reducing water use also saves electrical and other utility costs. Note: as of 2015, water reuse, and is not allowed by the state plumbing code, M.R. 4715 (a variance is needed). However, several state agencies are addressing this issue.

Table 26. Strategies and timeframe to reduce institutional, commercial industrial, and agricultural and non-revenue use demand

Strategy to reduce total business, industry, agricultural demand	Timeframe for completing work
☐ Conduct a facility water use audit for both indoor and outdoor use, including system components	
☒ Install enhanced meters capable of automated readings to detect spikes in consumption: Existing Meter Leak Alert Program	Ongoing
☐ Compare facility water use to related industry benchmarks, if available (e.g., meat processing, dairy, fruit and vegetable, beverage, textiles, paper/pulp, metals, technology, petroleum refining etc.),	
☐ Install water conservation fixtures and appliances or change processes to conserve water	
☒ Repair leaking system components: Continue preventative maintenance to replace aging infrastructure and proactively replace valves and bolts.	Ongoing
☐ Investigate the reuse of reclaimed water (e.g., stormwater, wastewater effluent, process wastewater, etc.)	
☐ Reduce outdoor water use (e.g., turf replacement/reduction, rain gardens, rain barrels, smart irrigation, outdoor water use meters, etc.)	
☒ Train Utility employees to provide conservation education to customers.	Add to Utility training program 2017
☐ Implement a notification system to inform non-residential customers when water availability conditions change.	
☐ [Rainwater catchment systems intended to supply uses such as water closets, urinals, trap primers for floor drains and floor sinks, industrial processes, water features, vehicle washing facilities, cooling tower makeup, and similar uses shall be approved by the commissioner.	
☐ Describe other plans:	

Objective 4: Achieve a Decreasing Trend in Total Per Capita Demand

Include as **Appendix 8** one graph showing total per capita water demand for each customer category (i.e., residential, institutional, commercial, industrial) from 2005-2014 and add the calculated/estimated linear trend for the next 10 years.

Describe the trend for each customer category; explain the reason(s) for the trends, and where trends are increasing.

Per capita water use continues to decline. After an increase in industrial water use in 2010 (due to new industrial customer), per capita commercial and industrial water use is approximately 60 gpcd with a slight downward trend. Residential per capita demand is averaging approximately 55 gpcd and trending downward even after a large decrease from over 90 gpcd in 2005 – 2007. Residential use decreased following implementation of new conservation rates.

Objective 5: Reduce Peak Day Demand so that the Ratio of Average Maximum day to the Average Day is less than 2.6

Is the ratio of average 2005-2014 maximum day demand to average 2005-2014 average day demand reported in Table 2 more than 2.6? ☐ Yes ☒ No

Calculate a ten year average (2005 – 2014) of the ratio of maximum day demand to average day demand: 2.27

The position of the DNR has been that a peak day/average day ratio that is above 2.6 for in summer indicates that the water being used for irrigation by the residents in a community is too large and that efforts should be made to reduce the peak day use by the community.

It should be noted that by reducing the peak day use, communities can also reduce the amount of infrastructure that is required to meet the peak day use. This infrastructure includes new wells, new water towers which can be costly items.

Objective 6: Implement a Conservation Water Rate Structure and/or a Uniform Rate Structure with a Water Conservation Program***Water Conservation Program***

Municipal water suppliers serving over 1,000 people are required to adopt demand reduction measures that include a conservation rate structure, or a uniform rate structure with a conservation program that achieves demand reduction. These measures must achieve demand reduction in ways that reduce water demand, water losses, peak water demands, and nonessential water uses. These measures must be approved before a community may request well construction approval from the Department of Health or before requesting an increase in water appropriations permit volume (*Minnesota Statutes*, section 103G.291, subd. 3 and 4). Rates should be adjusted on a regular basis to ensure that revenue of the system is adequate under reduced demand scenarios. If a municipal water supplier intends to use a Uniform Rate Structure, a community-wide Water Conservation Program that will achieve demand reduction must be provided.

Current Water Rates

Include a copy of the actual rate structure in **Appendix 9** or list current water rates including base/service fees and volume charges below.

Volume included in base rate or service charge: NONE

Frequency of billing: ☒ Monthly ☐ Bimonthly ☐ Quarterly ☐ Other: _____

Water Rate Evaluation Frequency: ☒ every year ☐ every ____ years ☐ no schedule

Date of last rate change: January 2016

Table 27. Rate structures for each customer category (Select all that apply and add additional rows as needed)

Customer Category	Conservation Billing Strategies in Use *	Conservation Neutral Billing Strategies in Use **	Non-Conserving Billing Strategies in Use ***
Residential	☒ Monthly Billing ☒ Increasing block rates (volume tiered rates) ☐ Seasonal rates ☐ Time of Use rates ☒ Water bills reported in gallons ☐ Individualized goal rates ☒ Excess Use rates ☐ Drought surcharge ☐ Use water bill to provide comparisons ☒ Service charge not based on water volume ☐ Other (describe)	☐ Uniform ☒ Odd/Even day watering	☐ Service charge based on water volume ☐ Declining block ☐ Flat ☐ Other (describe)
Commercial/ Industrial/ Institutional	☒ Monthly Billing ☒ Increasing block rates ☐ Seasonal rates ☐ Time of Use rates ☒ Bill water use in gallons ☐ Individualized goal rates ☐ Excess Use rates ☐ Drought surcharge ☐ Use water bill to provide comparisons ☒ Service charge not based on water volume ☐ Other (describe)	☐ Uniform	☐ Service charge based on water volume ☐ Declining block ☐ Flat ☐ Other (describe)

*** Rate Structures components that may promote water conservation:**

- **Monthly billing:** is encouraged to help people see their water usage so they can consider changing behavior.
- **Increasing block rates (also known as a tiered residential rate structure):** Typically, these have at least three tiers: should have at least three tiers.
 - The first tier is for the winter average water use.
 - The second tier is the year-round average use, which is lower than typical summer use. This rate should be set to cover the full cost of service.
 - The third tier should be above the average annual use and should be priced high enough to encourage conservation, as should any higher tiers. For this to be effective, the difference in block rates should be significant.
- **Seasonal rate:** higher rates in summer to reduce peak demands
- **Time of Use rates:** lower rates for off peak water use

- **Bill water use in gallons:** this allows customers to compare their use to average rates
- **Individualized goal rates:** typically used for industry, business or other large water users to promote water conservation if they keep within agreed upon goals. **Excess Use rates:** if water use goes above an agreed upon amount this higher rate is charged
- **Drought surcharge:** an extra fee is charged for guaranteed water use during drought
- **Use water bill to provide comparisons:** simple graphics comparing individual use over time or compare individual use to others.
- **Service charge or base fee that does not include a water volume** – a base charge or fee to cover universal city expenses that are not customer dependent and/or to provide minimal water at a lower rate (e.g., an amount less than the average residential per capita demand for the water supplier for the last 5 years)
- **Emergency rates** -A community may have a separate conservation rate that only goes into effect when the community or governor declares a drought emergency. These higher rates can help to protect the city budgets during times of significantly less water usage.

****Conservation Neutral****

- **Uniform rate:** rate per unit used is the same regardless of the volume used
- **Odd/even day watering** –This approach reduces peak demand on a daily basis for system operation, but it does not reduce overall water use.

***** Non-Conserving *****

- **Service charge or base fee with water volume:** an amount of water larger than the average residential per capita demand for the water supplier for the last 5 years
- **Declining block rate:** the rate per unit used decreases as water use increases.
- **Flat rate:** one fee regardless of how much water is used (usually unmetered).

Provide justification for any conservation neutral or non-conserving rate structures. If intending to adopt a conservation rate structure, include the timeframe to do so:

While conservation neutral, Odd/Even day watering reduces peak water usage, reducing infrastructure needs required to meet peak demands.

Objective 7: Additional strategies to Reduce Water Use and Support Wellhead Protection Planning

Development and redevelopment projects can provide additional water conservation opportunities, such as the actions listed below. If a Uniform Rate Structure is in place, the water supplier must provide a Water Conservation Program that includes at least two of the actions listed below. Check those actions that you intent to implement within the next 10 years.

Table 28. Additional strategies to Reduce Water Use & Support Wellhead Protection

☐	Participate in the GreenStep Cities Program, including implementation of at least one of the 20 “Best Practices” for water
☐	Prepare a Master Plan for Smart Growth (compact urban growth that avoids sprawl)
☐	Prepare a Comprehensive Open Space Plan (areas for parks, green spaces, natural areas)
☐	Adopt a Water Use Restriction Ordinance (lawn irrigation, car washing, pools, etc.)
☒	Adopt an Outdoor Lawn Irrigation Ordinance: Eliminate day time watering (proposed).
☐	Adopt a Private well Ordinance (private wells in a city must comply with water restrictions)
☐	Implement a Stormwater Management Program
☐	Adopt Non-Zoning Wetlands Ordinance (can further protect wetlands beyond state/federal laws-for vernal pools, buffer areas, restrictions on filling or alterations)
☐	Adopt a Water Offset Program (primarily for new development or expansion)
☐	Implement a Water Conservation Outreach Program
☐	Hire a Water Conservation Coordinator (part-time)
☐	Implement a Rebate program for water efficient appliances, fixtures, or outdoor water management
☒	Other: No new private wells within the City urban service area and once municipal water service is available private wells no longer allowed for domestic use (Ordinance 25). Well sealing: Carver County operates a well sealing cost share program that provides up to \$750 to seal abandoned, unsealed wells that meet the eligibility criteria.

Objective 8: Tracking Success: How will you track or measure success through the next ten years?

The City of Chaska will track per capita water demand on a regular basis to confirm the conservation trend and if needed, strength conservation practices.

Tip: The process to monitor demand reduction and/or a rate structure includes:

- The DNR District Hydrologist or Groundwater Appropriation Hydrologist will call or visit the community the first 1-3 years after the water supply plan is completed.
- They will discuss what activities the community is doing to conserve water and if they feel their actions are successful. The Water Supply Plan, Part 3 tables and responses will guide the discussion. For example, they will discuss efforts to reduce unaccounted for water loss if that is a problem, or go through Tables 33, 34 and 35 to discuss new initiatives.
- The city representative and the hydrologist will discuss total per capita water use, residential per capita water use, and business/industry use. They will note trends.
- They will also discuss options for improvement and/or collect case studies of success stories to share with other communities. One option may be to change the rate structure, but there are many other paths to successful water conservation.
- If appropriate, they will cooperatively develop a simple work plan for the next few years, targeting a couple areas where the city might focus efforts.

C. Regulation

Complete Table 29 by selecting which regulations are used to reduce demand and improve water efficiencies. Add additional rows as needed.

Copies of adopted regulations or proposed restrictions or should be included in **Appendix 10** (a list with hyperlinks is acceptable).

Table 29. Regulations for short-term reductions in demand and long-term improvements in water efficiencies

Regulations Utilized	When is it applied (in effect)?
☒ Rainfall sensors required on landscape irrigation systems MN State Statue 103G.298	☒ Ongoing ☐ Seasonal ☐ Only during declared Emergencies
☒ Water efficient plumbing fixtures required 1992 Federal Energy Policy Act	☒ New Development ☒ Replacement ☐ Rebate Programs
☒ Critical/Emergency Water Deficiency ordinance	☒ Only during declared Emergencies
☒ Watering restriction requirements (time of day, allowable days, etc.)	☒ Odd/Even ☐ 2 days/week ☐ Only during declared Emergencies
☐ Water waste prohibited (for example, having a fine for irrigators spraying on the street)	☐ -Ongoing ☐ Seasonal ☐ Only during declared Emergencies
☐ Limitations on turf areas (requiring lots to have 10% - 25% of the space in natural areas)	☐ New Development ☐ Shoreland/zoning ☐ Other
☒ Soil preparation requirements (after construction, requiring topsoil to be applied to promote good root growth): Carver County requires a minimum of 6" of topsoil and standards for topsoil borrow.	☒ New Development ☐ Construction Projects ☐ Other
☐ Tree ratios (requiring a certain number of trees per square foot of lawn)	☐ New development ☐ Shoreland/zoning ☐ Other
☐ Permit to fill swimming pool and/or requiring pools to be covered (to prevent evaporation)	☐ Ongoing ☐ Seasonal ☐ Only during declared Emergencies
☐ Ordinances that permit stormwater irrigation, reuse of water, or other alternative water use (Note: be sure to check current plumbing codes for updates)	☐ Describe

D. Retrofitting Programs

Education and incentive programs aimed at replacing inefficient plumbing fixtures and appliances can help reduce per capita water use, as well as energy costs. It is recommended that municipal water suppliers develop a long-term plan to retrofit public buildings with water efficient plumbing fixtures and appliances. Some water suppliers have developed partnerships with organizations having similar conservation goals, such as electric or gas suppliers, to develop cooperative rebate and retrofit programs.

A study by the AWWA Research Foundation (Residential End Uses of Water, 1999) found that the average indoor water use for a non-conserving home is 69.3 gallons per capita per day (gpcd). The average indoor water use in a conserving home is 45.2 gpcd and most of the decrease in water use is related to water efficient plumbing fixtures and appliances that can reduce water, sewer and energy costs. In Minnesota, certain electric and gas providers are required (Minnesota Statute 216B.241) to fund programs that will conserve energy resources and some utilities have distributed water efficient showerheads to customers to help reduce energy demands required to supply hot water.

Retrofitting Programs

Complete Table 30 by checking which water uses are targeted, the outreach methods used, the measures used to identify success, and any participating partners.

Table 30. Retrofitting programs (Select all that apply)

Water Use Targets	Outreach Methods	Partners
☐ low flush toilets, ☐ toilet leak tablets, ☐ low flow showerheads, ☐ faucet aerators;	☐ Education about ☐ free distribution of ☐ rebate for ☐ other	☐ Gas company ☐ Electric company ☐ Watershed organization
☐ water conserving washing machines, ☐ dish washers, ☐ water softeners;	☐ Education about ☐ free distribution of ☐ rebate for ☐ other	☐ Gas company ☐ Electric company ☐ Watershed organization
☐ rain gardens, ☐ rain barrels, ☐ Native/drought tolerant landscaping, etc.	☐ Education about ☐ free distribution of ☐ rebate for ☐ other	☐ Gas company ☐ Electric company ☐ Watershed organization

Briefly discuss measures of success from the above table (e.g. number of items distributed, dollar value of rebates, gallons of water conserved, etc.):

No retrofitting programs completed to date.

E. Education and Information Programs

Customer education should take place in three different circumstances. First, customers should be provided information on how to conserve water and improve water use efficiencies. Second, information should be provided at appropriate times to address peak demands. Third, emergency notices and educational materials about how to reduce water use should be available for quick distribution during an emergency.

Proposed Education Programs

Complete Table 31 by selecting which methods are used to provide water conservation and information, including the frequency of program components. Select all that apply and add additional lines as needed.

Table 31. Current and Proposed Education Programs

Education Methods	General summary of topics	#/Year	Frequency
Billing inserts or tips printed on the actual bill	Odd/Even Watering requirement; includes fine amount for violations	2	☐ Ongoing ☒ Seasonal ☐ During declared emergencies
Consumer Confidence Reports	Odd/Even Watering requirement; includes fine amount for violations	1	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Press releases to traditional local news outlets (e.g., newspapers, radio and TV)	Demand reduction	-	☐ Ongoing ☐ Seasonal ☒ During declared emergencies
Social media distribution (e.g., emails, Facebook, Twitter)	Emergency notifications Conservation information	-	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Paid advertisements (e.g., billboards, print media, TV, radio, web sites, etc.)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Presentations to community groups			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Staff training	Education on conservation to pass on to customers as needed.	-	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Facility tours	Education and Conservation	2	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Displays and exhibits			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Marketing rebate programs (e.g., indoor fixtures & appliances and outdoor practices)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Community news letters			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Direct mailings (water audit/retrofit kits, showerheads, brochures)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Information kiosk at utility and public buildings	Conservation	-	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Public Service Announcements			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Cable TV Programs			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Demonstration projects (landscaping or plumbing)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies

Education Methods	General summary of topics	#/Year	Frequency
K-12 Education programs (Project Wet, Drinking Water Institute, presentations)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Community Events (children's water festivals, environmental fairs)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Community education classes			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Water Week promotions			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Website (include address: ChaskaMN.com)	Leak identification information.	24/7	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Targeted efforts (large volume users, users with large increases)			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Notices of ordinances			☐ Ongoing ☐ Seasonal ☐ During declared emergencies
Emergency conservation notices	Draft documents ahead of time.	-	☐ Ongoing ☐ Seasonal ☒ During declared emergencies
Smart Meter Alert Program	Identify leaks and notify customer immediately.	24/7	☒ Ongoing ☐ Seasonal ☐ During declared emergencies
Other:			☐ Ongoing ☐ Seasonal ☐ During declared emergencies

Briefly discuss what future education and information activities your community is considering in the future:

The City of Chaska will increase the amount of social media posts to increase conservation education.

Develop emergency conservation notices ahead of emergency so documents are ready for distribution in an emergency.

Add water conservation information to the City website to make it available to customers all the time.

Bundle conservation materials and have available for when customers request information on conservation or how to reduce their water bill.



PART 4. ITEMS FOR METROPOLITAN AREA COMMUNITIES

Minnesota Statute 473.859 requires WSPs to be completed for all local units of government in the seven-county Metropolitan Area as part of the local comprehensive planning process.

Much of the information in Parts 1-3 addresses water demand for the next 10 years. However, additional information is needed to address water demand through 2040, which will make the WSP consistent with the Metropolitan Land Use Planning Act, upon which the local comprehensive plans are based.

This Part 4 provides guidance to complete the WSP in a way that addresses plans for water supply through 2040.

A. Water Demand Projections through 2040

Complete Table 7 in Part 1D by filling in information about long-term water demand projections through 2040. Total Community Population projections should be consistent with the community's system statement, which can be found on the Metropolitan Council's website and which was sent to the community in September 2015.

Projected Average Day, Maximum Day, and Annual Water Demands may either be calculated using the method outlined in *Appendix 2* of the *2015 Master Water Supply Plan* or by a method developed by the individual water supplier.

B. Potential Water Supply Issues

Complete Table 10 in Part 1E by providing information about the potential water supply issues in your community, including those that might occur due to 2040 projected water use.

The *Master Water Supply Plan* provides information about potential issues for your community in *Appendix 1 (Water Supply Profiles)*. This resource may be useful in completing Table 10.

You may document results of local work done to evaluate impact of planned uses by attaching a feasibility assessment or providing a citation and link to where the plan is available electronically.

C. Proposed Alternative Approaches to Meet Extended Water Demand Projections

Complete Table 12 in Part 1F with information about potential water supply infrastructure impacts (such as replacements, expansions or additions to wells/intakes, water storage and treatment capacity, distribution systems, and emergency interconnections) of extended plans for development and redevelopment, in 10-year increments through 2040. It may be useful to refer to information in the community's local Land Use Plan, if available.

Complete Table 14 in Part 1F by checking each approach your community is considering to meet future demand. For each approach your community is considering, provide information about the amount of future water demand to be met using that approach, the timeframe to implement the approach, potential partners, and current understanding of the key benefits and challenges of the approach.

As challenges are being discussed, consider the need for: evaluation of geologic conditions (mapping, aquifer tests, modeling), identification of areas where domestic wells could be impacted, measurement and analysis of water levels & pumping rates, triggers & associated actions to protect water levels, etc.

D. Value-Added Water Supply Planning Efforts (Optional)

The following information is not required to be completed as part of the local water supply plan, but completing this can help strengthen source water protection throughout the region and help Metropolitan Council and partners in the region to better support local efforts.

Source Water Protection Strategies

Does a Drinking Water Supply Management Area for a neighboring public water supplier overlap your community? ☐ Yes ☒ No

If you answered no, skip this section. If you answered yes, please complete Table 32 with information about new water demand or land use planning-related local controls that are being considered to provide additional protection in this area.

Table 32. Local controls and schedule to protect Drinking Water Supply Management Areas

Local Control	Schedule to Implement	Potential Partners
☐ None at this time		
☐ Comprehensive planning that guides development in vulnerable drinking water supply management areas		
☐ Zoning overlay		
☐ Other:		

Technical assistance

From your community's perspective, what are the most important topics for the Metropolitan Council to address, guided by the region's Metropolitan Area Water Supply Advisory Committee and Technical Advisory Committee, as part of its ongoing water supply planning role?

- ☒ Coordination of state, regional and local water supply planning roles
- ☐ Regional water use goals
- ☒ Water use reporting standards
- ☐ Regional and sub-regional partnership opportunities
- ☐ Identifying and prioritizing data gaps and input for regional and sub-regional analyses
- ☐ Others: _____

GLOSSARY

Agricultural/Irrigation Water Use - Water used for crop and non-crop irrigation, livestock watering, chemigation, golf course irrigation, landscape and athletic field irrigation.

Average Daily Demand - The total water pumped during the year divided by 365 days.

Calcareous Fen - Calcareous fens are rare and distinctive wetlands dependent on a constant supply of cold groundwater. Because they are dependent on groundwater and are one of the rarest natural communities in the United States, they are a protected resource in MN. Approximately 200 have been located in Minnesota. They may not be filled, drained or otherwise degraded.

Commercial/Institutional Water Use - Water used by motels, hotels, restaurants, office buildings, commercial facilities and institutions (both civilian and military). Consider maintaining separate institutional water use records for emergency planning and allocation purposes. Water used by multi-family dwellings, apartment buildings, senior housing complexes, and mobile home parks should be reported as Residential Water Use.

Commercial/Institutional/Industrial (C/I/I) Water Sold - The sum of water delivered for commercial/institutional or industrial purposes.

Conservation Rate Structure - A rate structure that encourages conservation and may include increasing block rates, seasonal rates, time of use rates, individualized goal rates, or excess use rates. If a conservation rate is applied to multifamily dwellings, the rate structure must consider each residential unit as an individual user. A community may have a separate conservation rate that only goes into effect when the community or governor declares a drought emergency. These higher rates can help to protect the city budgets during times of significantly less water usage.

Date of Maximum Daily Demand - The date of the maximum (highest) water demand. Typically this is a day in July or August.

Declining Rate Structure - Under a declining block rate structure, a consumer pays less per additional unit of water as usage increases. This rate structure does not promote water conservation.

Distribution System - Water distribution systems consist of an interconnected series of pipes, valves, storage facilities (water tanks, water towers, reservoirs), water purification facilities, pumping stations, flushing hydrants, and components that convey drinking water and meeting fire protection needs for cities, homes, schools, hospitals, businesses, industries and other facilities.

Flat Rate Structure - Flat fee rates do not vary by customer characteristics or water usage. This rate structure does not promote water conservation.

Industrial Water Use - Water used for thermonuclear power (electric utility generation) and other industrial use such as steel, chemical and allied products, paper and allied products, mining, and petroleum refining.

Low Flow Fixtures/Appliances - Plumbing fixtures and appliances that significantly reduce the amount of water released per use are labeled “low flow”. These fixtures and appliances use just enough water to be effective, saving excess, clean drinking water that usually goes down the drain.

Maximum Daily Demand - The maximum (highest) amount of water used in one day.

Metered Residential Connections - The number of residential connections to the water system that have meters. For multifamily dwellings, report each residential unit as an individual user.

Percent Unmetered/Unaccounted For - Unaccounted for water use is the volume of water withdrawn from all sources minus the volume of water delivered. This value represents water “lost” by miscalculated water use due to inaccurate meters, water lost through leaks, or water that is used but unmetered or otherwise undocumented. Water used for public services such as hydrant flushing, ice skating rinks, and public swimming pools should be reported under the category “Water Supplier Services”.

Population Served - The number of people who are served by the community’s public water supply system. This includes the number of people in the community who are connected to the public water supply system, as well as people in neighboring communities who use water supplied by the community’s public water supply system. It should not include residents in the community who have private wells or get their water from neighboring water supply.

Residential Connections - The total number of residential connections to the water system. For multifamily dwellings, report each residential unit as an individual user.

Residential Per Capita Demand - The total residential water delivered during the year divided by the population served divided by 365 days.

Residential Water Use - Water used for normal household purposes such as drinking, food preparation, bathing, washing clothes and dishes, flushing toilets, and watering lawns and gardens. Should include all water delivered to single family private residences, multi-family dwellings, apartment buildings, senior housing complexes, mobile home parks, etc.

Smart Meter - Smart meters can be used by municipalities or by individual homeowners. Smart metering generally indicates the presence of one or more of the following:

- Smart irrigation water meters are controllers that look at factors such as weather, soil, slope, etc. and adjust watering time up or down based on data. Smart controllers in a typical summer will reduce water use by 30%-50%. Just changing the spray nozzle to new efficient models can reduce water use by 40%.
- Smart Meters on customer premises that measure consumption during specific time periods and communicate it to the utility, often on a daily basis.
- A communication channel that permits the utility, at a minimum, to obtain meter reads on demand, to ascertain whether water has recently been flowing through the meter and onto the premises, and to issue commands to the meter to perform specific tasks such as disconnecting or restricting water flow.

Total Connections - The number of connections to the public water supply system.

Total Per Capita Demand - The total amount of water withdrawn from all water supply sources during the year divided by the population served divided by 365 days.

Total Water Pumped - The cumulative amount of water withdrawn from all water supply sources during the year.

Total Water Delivered - The sum of residential, commercial, industrial, institutional, water supplier services, wholesale and other water delivered.

Ultimate (Full Build-Out) - Time period representing the community's estimated total amount and location of potential development, or when the community is fully built out at the final planned density.

Unaccounted (Non-revenue) Loss - See definitions for "percent unmetered/unaccounted for loss".

Uniform Rate Structure - A uniform rate structure charges the same price-per-unit for water usage beyond the fixed customer charge, which covers some fixed costs. The rate sends a price signal to the customer because the water bill will vary by usage. Uniform rates by class charge the same price-per-unit for all customers within a customer class (e.g. residential or non-residential). This price structure is generally considered less effective in encouraging water conservation.

Water Supplier Services - Water used for public services such as hydrant flushing, ice skating rinks, public swimming pools, city park irrigation, back-flushing at water treatment facilities, and/or other uses.

Water Used for Nonessential Purposes - Water used for lawn irrigation, golf course and park irrigation, car washes, ornamental fountains, and other non-essential uses.

Wholesale Deliveries - The amount of water delivered in bulk to other public water suppliers.

Acronyms and Initialisms

AWWA – American Water Works Association

C/I/I – Commercial/Institutional/Industrial

CIP – Capital Improvement Plan

GIS – Geographic Information System

GPCD – Gallons per capita per day

GWMA – Groundwater Management Area – North and East Metro, Straight River, Bonanza,

MDH – Minnesota Department of Health

MGD – Million gallons per day

MG – Million gallons

MGL – Maximum Contaminant Level

MnTAP – Minnesota Technical Assistance Program (University of Minnesota)

MPARS – MN/DNR Permitting and Reporting System (new electronic permitting system)

MRWA – Minnesota Rural Waters Association

SWP – Source Water Protection

WHP – Wellhead Protection

APPENDICES TO BE SUBMITTED BY THE WATER SUPPLIER

Appendix 1: Well records and maintenance summaries – see Part 1C

Appendix 2: Water level monitoring plan – see Part 1E

Appendix 3: Water level graphs for each water supply well – see Part 1E

Appendix 4: Capital Improvement Plan – see Part 1E

Appendix 5: Emergency Telephone List – see Part 2C

Appendix 6: Cooperative Agreements for Emergency Services – see Part 2C

Appendix 7: Municipal Critical Water Deficiency Ordinance – see Part 2C

Appendix 8: Graph showing annual per capita water demand for each customer category during the last ten-years – see Part 3 Objective 4

Appendix 9: Water Rate Structure – see Part 3 Objective 6

Appendix 10: Adopted or proposed regulations to reduce demand or improve water efficiency – see Part 3 Objective 7

Appendix 11: Implementation Checklist – summary of all the actions that a community is doing, or proposes to do, including estimated implementation dates

APPENDIX 1: WELL RECORDS AND MAINTENANCE SUMMARIES

WELL DATA:

DRILLER: HYDRO ENGINEERING, INC.
DRILLING DATE: JUNE 1972
STATIC WATER LEVEL: 151 FT
PUMPING LEVEL: 244 FT AT 1800 GPM
ORIGINAL CASING EL.: 895.44

PUMP DATA

INSTALLER: KEYS WELL DRILLING
INSTALLATION DATE: JUNE 2006
CAPACITY: 1800 GPM, 366 FT, 1778 RPM
POWER: 460 VOLTS 3 PHASE
2006 STATIC W.L. 282 FT

WELL LOG:

DEPTH IN FEET

0 CASING EL. 892.0

GRAY CLAY

135

GRAY CLAY
& SAND

222

YELLOW SANDROCK

292 PINK & GREEN
SANDROCK

312 GREEN SHALE

322 PINK & GREEN
SANDROCK

LIGHT GREEN
SANDROCK & SHALE

500

WHITE SANDROCK

580

BROWN & GREEN SHALE

622

BROWN SANDROCK

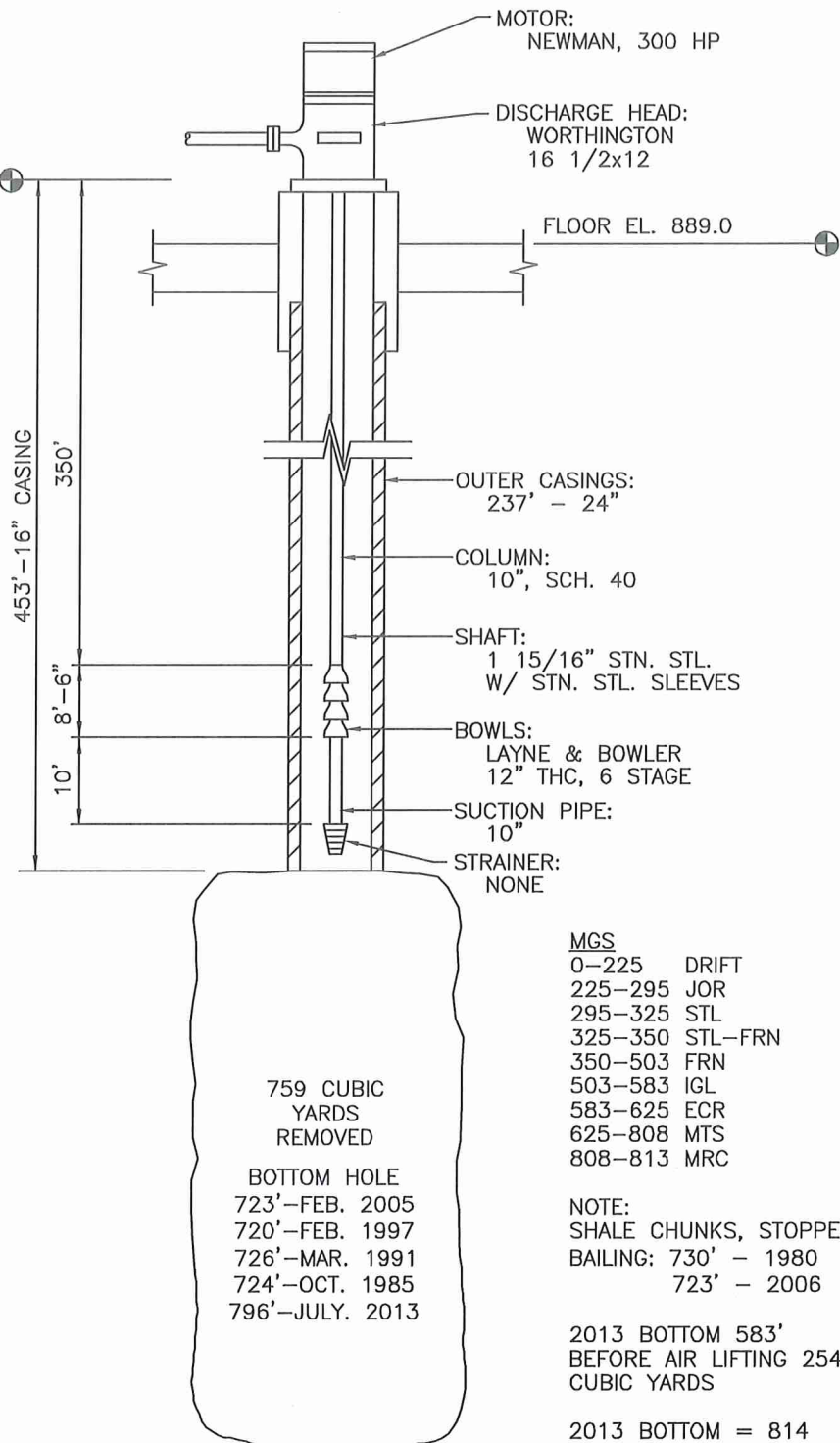
655

671 SANDROCK & SHALE

LIGHT BROWN SANDROCK

805

811 RED SHALE



MCS

0-225 DRIFT
225-295 JOR
295-325 STL
325-350 STL-FRN
350-503 FRN
503-583 IGL
583-625 ECR
625-808 MTS
808-813 MRC

NOTE:

SHALE CHUNKS, STOPPED
BAILING: 730' - 1980
723' - 2006

2013 BOTTOM 583'
BEFORE AIR LIFTING 254
CUBIC YARDS

2013 BOTTOM = 814

9204161BW01.DWG



UNIQUE WELL No.: 200809
INSTALLED: 1973
REPAIRED:
1997-MOST COL, S.S. SHAFT, REPAIR BOWL
& MOTOR, LEVEL MONITOR
2005-235' COLUMN, BOWL REBUILD,
BRUSHY TV, BAIL
2013 - MOTOR REPAIRED, BOWL REBUILD
REPLACE 4-10' COLUMN, 1-5'
COLUMN

WELL & PUMP NO. 4
CHASKA, MINNESOTA
RECORD PLAN

JANUARY 2014

FILE NO. 193802345

WELL DATA:

DRILLER: LAYNE MINNESOTA CO.
DRILLING DATE: AUG. 25, 1975
STATIC WATER LEVEL: 148 FT.
PUMPING LEVEL: 323 FT. AT 1800 GPM
ORIGINAL CASING EL.: 895 ASSUMED

PUMP DATA

INSTALLER: KEYS WELL DRILLING
INSTALLATION DATE: APRIL 2005
CAPACITY: 1800 GPM, 427 FT, 1760 RPM
DESIGN PUMPING LEVEL: 362 FT
POWER: 460 VOLTS 3 PHASE
4/19/05 STATIC W.L. 161 FT

WELL LOG:

DEPTH IN FEET

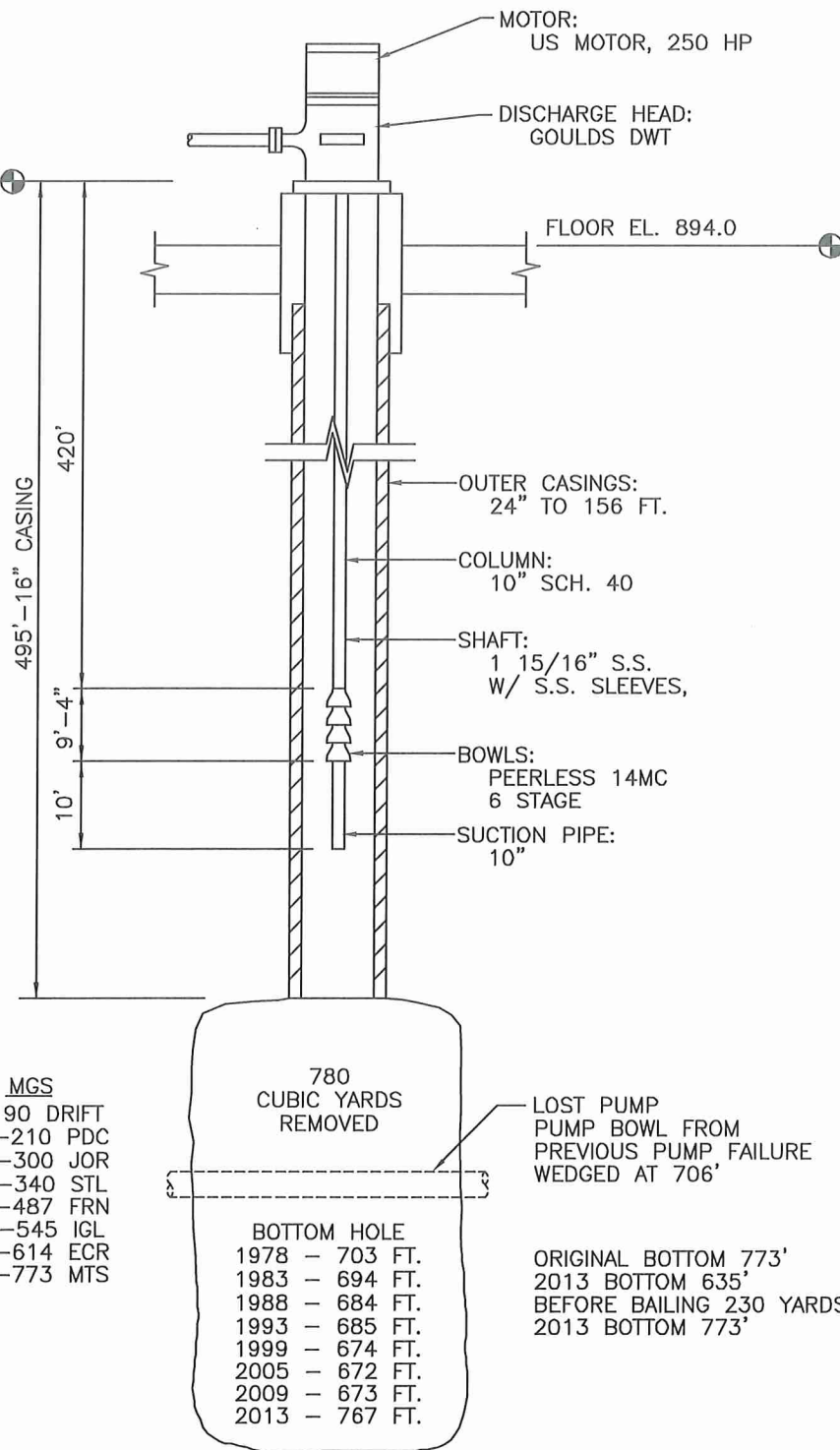
0 CASING EL. 895.2

CLAY
56
BLUE SHALE, SAND
105
SHAPE, ROCKS, GRAVEL
180
190 SHALE, SAND
217 LIMESTONE, GRAVEL
225 BLUE SHALE, SAND
REDDISH SANDSTONE
287
ST. LAWRENCE
390
GREEN SHALE
487

SANDSTONE
588
GREEN SHALE
614
RED SHALE
655

REDDISH SANDSTONE

773



MGS
0-190 DRIFT
190-210 PDC
210-300 JOR
300-340 STL
340-487 FRN
487-545 IGL
545-614 ECR
614-773 MTS

780
CUBIC YARDS
REMOVED

BOTTOM HOLE
1978 - 703 FT.
1983 - 694 FT.
1988 - 684 FT.
1993 - 685 FT.
1999 - 674 FT.
2005 - 672 FT.
2009 - 673 FT.
2013 - 767 FT.

LOST PUMP
PUMP BOWL FROM
PREVIOUS PUMP FAILURE
WEDGED AT 706'

ORIGINAL BOTTOM 773'
2013 BOTTOM 635'
BEFORE BAILING 230 YARDS
2013 BOTTOM 773'

193802460W5.dwg



UNIQUE WELL No.: 110453 INSTALLED: 1976
REPAIRED: 1978 - NEW BOWL
1983 - ALL COLUMN, MOST SHAFT
1988 - NEW BOWL, MOST COL., SOME SHAFT
1993 - MOST COL., SS SHAFT
1999 - MOST COL., MOTOR REPAIR, LEVEL
MONITOR, TELEVIEW
2005 - NEW MOTOR, 295' COL., REPAIR BOWL
REPLACED BOWL ASSEMBLY
2013 - REPAIRED MOTOR AND BOWL
AIRLIFTED 230 CUBIC YARDS

WELL & PUMP NO. 5 CHASKA, MINNESOTA RECORD PLAN

JANUARY, 2014

FILE NO. 193802460

WELL DATA:

DRILLER: BERGERSON-CASWELL, INC.
DRILLING DATE: JUNE 29, 1984
STATIC WATER LEVEL: 190'
PUMPING LEVEL: 268 FT. AT 1800 GPM
ORIGINAL CASING EL.: 900.69

PUMP DATA

INSTALLER: KEYS WELL DRILLING
INSTALLATION DATE: JANUARY 2005
CAPACITY: 1800 GPM, 412', 1770 RPM
DESIGN PUMPING LEVEL: 321 FT.
POWER: 460 VOLTS, 3 PHASE
4/27/99 STATIC W.L. 229 FT.

WELL LOG:

DEPTH IN FEET

0 CASING EL 900.69

CLAY
180—
LIMESTONE
230—
JORDAN SANDSTONE
300—
ST. LAWRENCE
335—

FRANCONIA

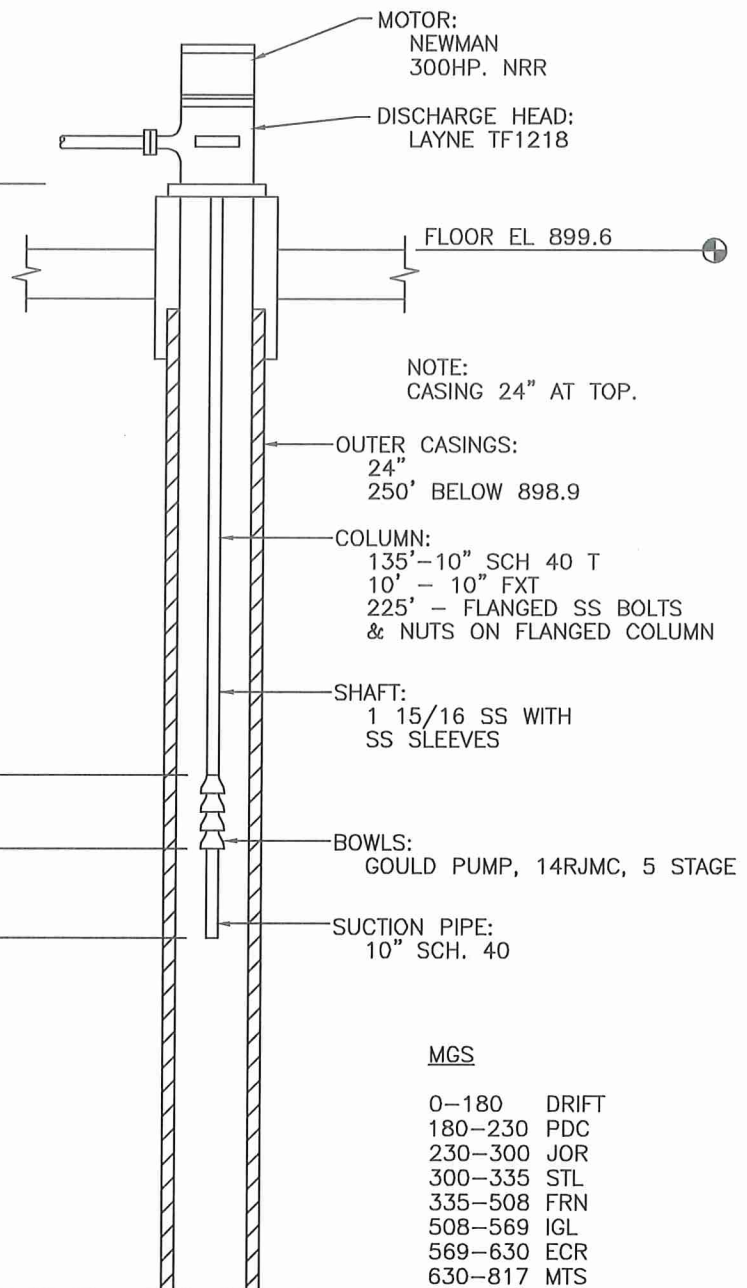
508—
IRONTON —
GALESVILLE
569—

EAU CLAIRE

672—

MT. SIMON — HINCKLEY

817—



MGS

0-180 DRIFT
180-230 PDC
230-300 JOR
300-335 STL
335-508 FRN
508-569 IGL
569-630 ECR
630-817 MTS

698
CUBIC YARDS REMOVED
BOTTOM WELL
803 FT - 1991
799.5 FT - 1999
798 FT - 2004
796 FT - 2009
791.1 FT - 2013

193802345W6.dwg



UNIQUE WELL No.: 161435 INSTALLED: 1985

REPAIRED:

1999 - REPLACE 60% COLUMN
REPLACE STEEL SHAFT
REPLACE DI RETAINER
BOWL & MOTOR REPAIR

2005 - REPAIR BOWL & MOTOR

2009 - REPLACE 120\"/>

REPLACE 37 RUBBER BEARING

2013 - REPAIR MOTOR, REPLACE PUMP

WELL & PUMP NO. 6
CHASKA, MINNESOTA
RECORD PLAN

JANUARY, 2014

FILE NO. 193802345

WELL DATA:

DRILLER: LTP ENTERPRISES
DRILLING DATE: SEPTEMBER 1995
STATIC WATER LEVEL: 170 FT
PUMPING LEVEL: 195 FT. @ 1700 GPM
ORIGINAL CASING ELEV.: X

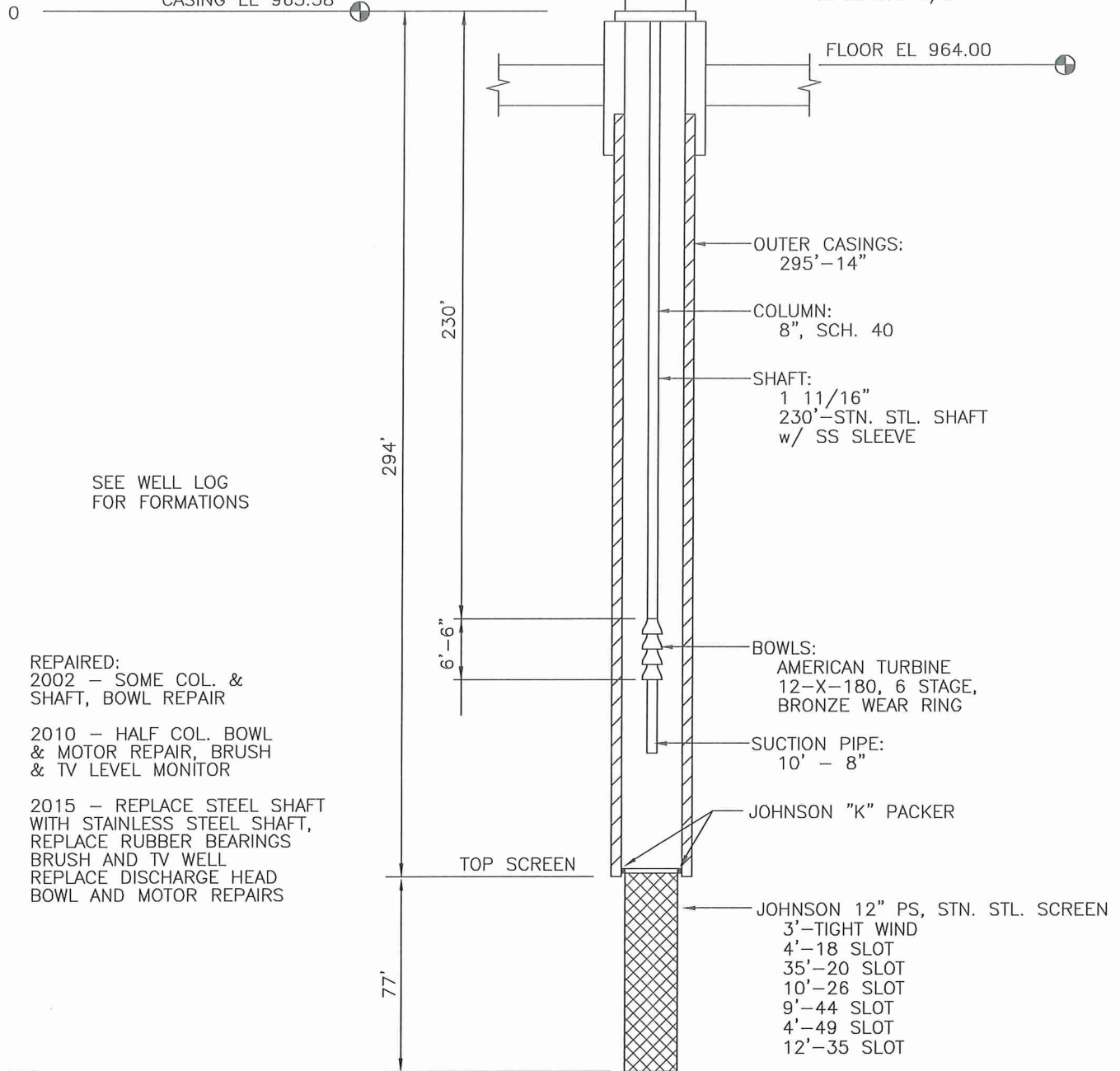
PUMP DATA

INSTALLER: KEYS WELL DRILLING
INSTALLATION DATE: MAY 2010
CAPACITY: 1700 GPM, 360 FT, 1800 RPM
DESIGN PUMPING LEVEL: 195 FT
POWER: 460 VOLTS 3 PHASE
2010 STATIC W.L. 178 FT

WELL LOG:

DEPTH IN FEET

0 CASING EL 965.38



SEE WELL LOG
FOR FORMATIONS

REPAIRED:
2002 - SOME COL. &
SHAFT, BOWL REPAIR

2010 - HALF COL. BOWL
& MOTOR REPAIR, BRUSH
& TV LEVEL MONITOR

2015 - REPLACE STEEL SHAFT
WITH STAINLESS STEEL SHAFT,
REPLACE RUBBER BEARINGS
BRUSH AND TV WELL
REPLACE DISCHARGE HEAD
BOWL AND MOTOR REPAIRS

UNIQUE WELL No.: 557822
INSTALLED: 1996

WELL & PUMP NO. 7
CHASKA, MINNESOTA
RECORD PLAN

MAY, 2015

FILE NO. 193803092



2335 Highway 36 W
St. Paul, MN 55113

WELL DATA:

DRILLER: TRAUT WELLS INC.
DRILLING DATE: APRIL 2002
STATIC WATER LEVEL: 126 FT 198 FT
PUMPING LEVEL: 211 FT @ 723 GPM
ORIGINAL CASING EL.: 903.74

5-1-14

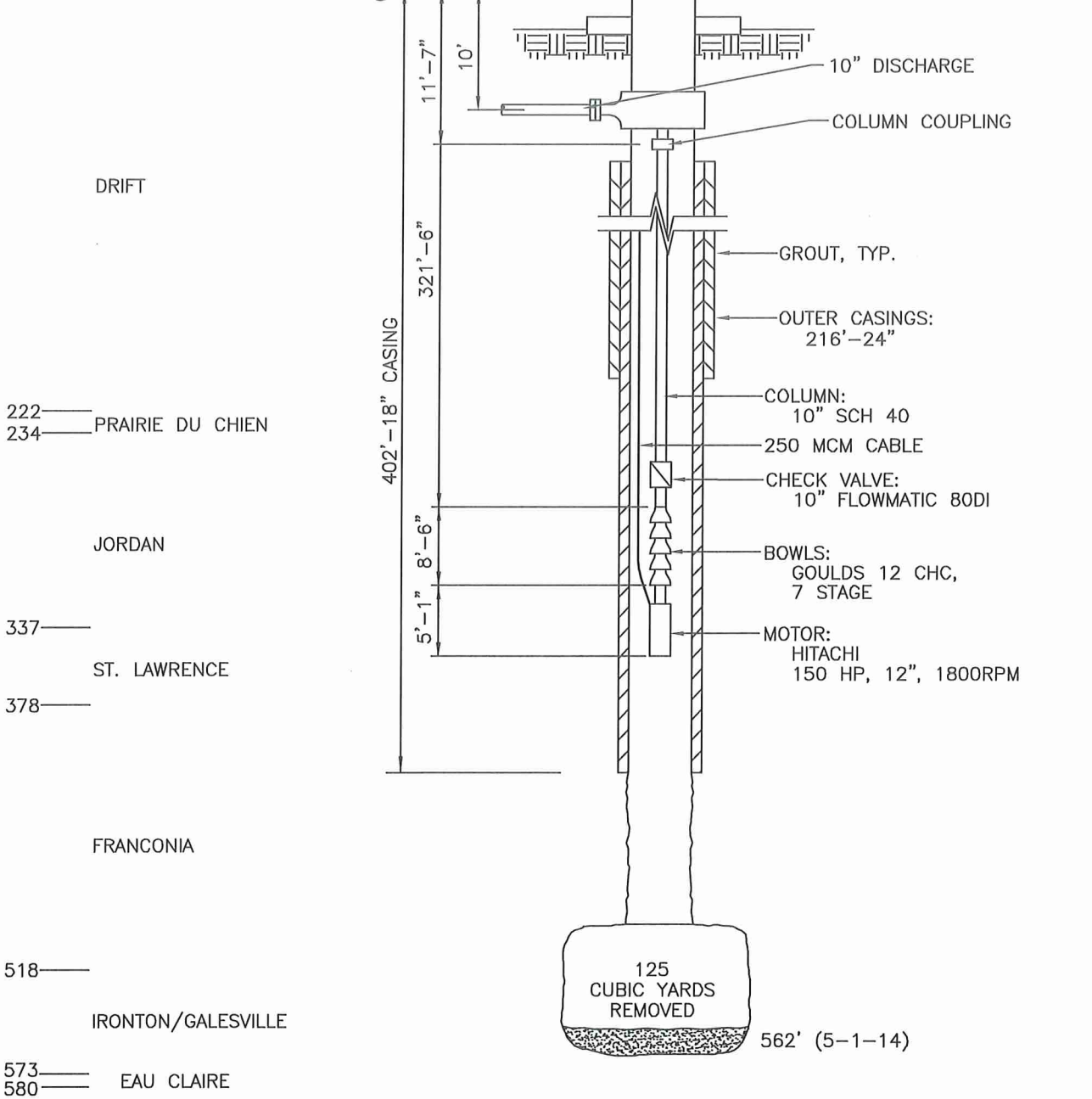
PUMP DATA

INSTALLER: TRAUT WELLS INC.
INSTALLATION DATE: APRIL 3, 2003
CAPACITY: 1200 GPM, 300 FT, 1570 RPM
CAPACITY: 860 GPM, 472 FT, 1700 RPM
DESIGN PUMPING LEVEL 295 FT, FUTURE 333 FT
POWER: 460 VOLTS 3 PHASE

WELL LOG:

DEPTH IN FEET

0 PITLESS EL 906.17'



193802683W01.DWG



UNIQUE WELL No.: 674318 INSTALLED:
2003
REPAIRED: 2006 NEW MOTOR
REPAIRED: 2009 NEW COLUMN,
REPAIRED BOWLS & MOTOR
REPAIRED: 2014 NEW COLUMN (EPOXY)
COATED) REPAIRED BOWLS, & ADDED
2014 PUMP SETTING

WELL & PUMP NO. 8
CHASKA, MINNESOTA
RECORD PLAN

MAY 2014

FILE NO. 193802683

WELL DATA:

DRILLER: TRAUT WELLS INC.
DRILLING DATE: JUNE 2002
STATIC WATER LEVEL: 117'
PUMPING LEVEL: 181 FT. @ 1000 GPM
ORIGINAL CASING EL.: 903.01

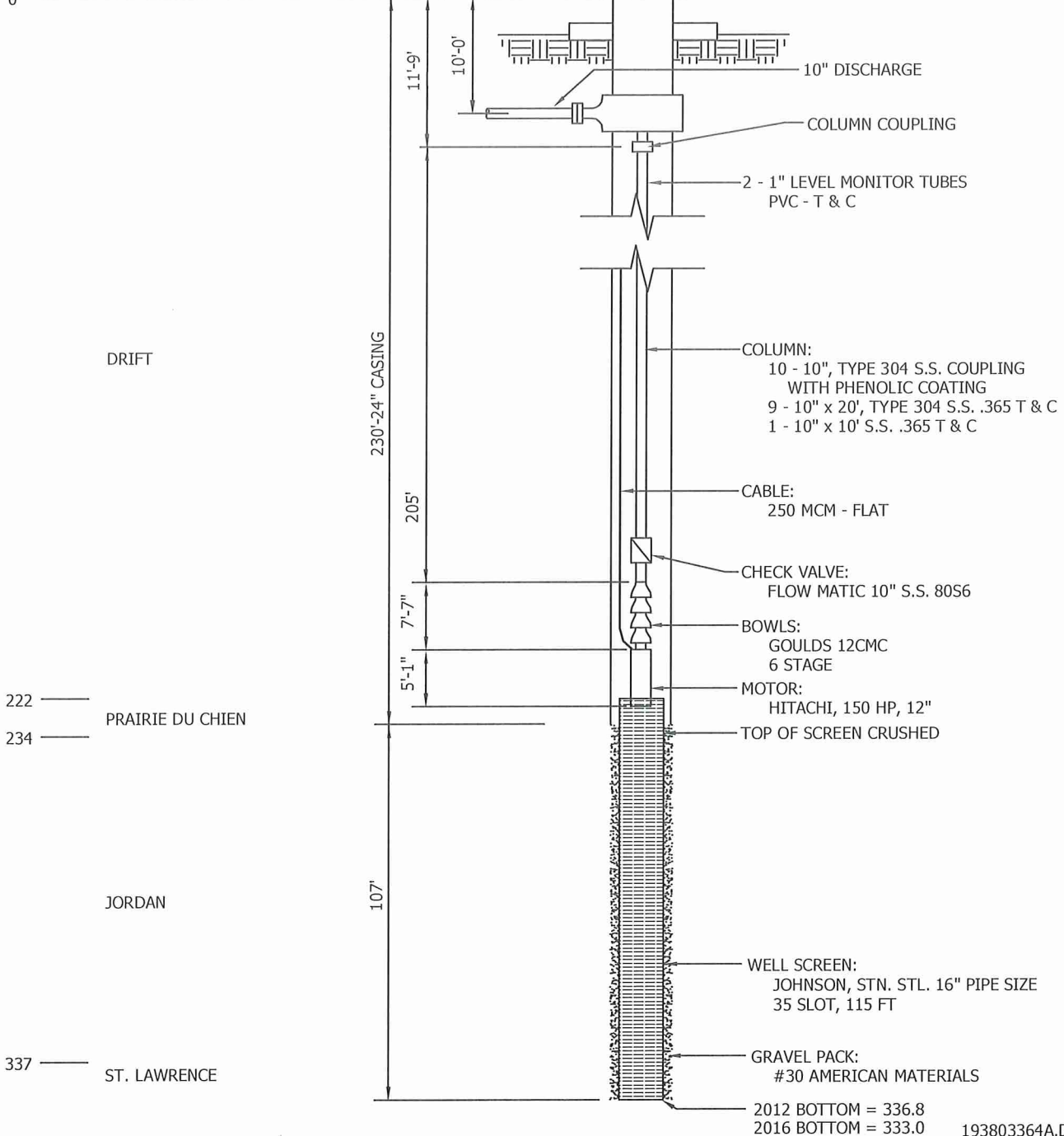
PUMP DATA

INSTALLER: TRAUT WELLS INC.
INSTALLATION DATE: APRIL 2, 2003
CAPACITY: 1000 GPM, 232 FT, 1440 RPM
CAPACITY: 1000 GPM, 397 FT, 1720 RPM
DESIGN PUMPING LEVEL: FUTURE 214 FT
POWER: 460 VOLTS 3 PHASE

WELL LOG:

DEPTH IN FEET

0 PITLESS ELEV. 906.17



2335 Highway 36 W
St. Paul, MN 55113
www.stantec.com

UNIQUE WELL No.: 677176
INSTALLED: 4/2/2003
REPAIRED: 2/16/2012
2012 NEW COLUMN, NEW BOWL

REPAIRED 6/30/2016
2016 NEW COLUMN, NEW BOWL
STAINLESS STEEL CHECK VALVE

WELL & PUMP NO. 9
CHASKA, MINNESOTA
RECORD PLAN

JUNE, 2016

FILE NO. 193803364

2006 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-06	0	22,615,000	19,626,000	1,031,000	9,945,000	9,107,000	62,324,000	219,200	62,104,800
Feb-06	0	16,847,000	17,071,000	4,097,000	10,683,000	7,984,000	56,682,000	107,400	56,574,600
Mar-06	9,164,000	19,316,000	9,740,000	2,392,000	9,642,000	10,316,000	60,570,000	57,129	60,512,871
Apr-06	14,601,000	12,523,000	16,276,000	3,779,000	15,496,000	8,483,000	71,158,000	505,570	70,652,430
May-06	19,318,000	35,521,000	24,649,000	2,707,000	510,000	27,767,000	110,472,000	86,755	110,385,245
Jun-06	31,358,000	52,109,000	34,066,000	15,625,000	17,056,000	21,467,000	171,681,000	113,441	171,567,559
Jul-06	32,861,000	48,798,000	54,536,000	15,807,000	32,453,000	26,521,000	210,976,000	212,598	210,763,402
Aug-06	25,086,000	40,817,000	31,447,000	2,236,000	24,980,000	21,928,000	146,494,000	184,839	146,309,161
Sep-06	14,936,000	26,520,000	16,511,000	2,686,000	15,558,000	16,028,000	92,239,000	412,999	91,826,001
Oct-06	27,247,000	5,008,000	21,874,000	1,180,000	18,415,000	9,926,000	83,650,000	261,991	83,388,009
Nov-06	16,983,000	14,563,000	9,600,000	1,166,000	12,722,000	7,919,000	62,953,000	66,369	62,886,631
Dec-06	10,433,000	13,726,000	15,500,000	1,666,000	12,672,000	6,568,000	60,565,000	56,612	60,508,388
Total	201,987,000	308,363,000	270,896,000	54,372,000	180,132,000	174,014,000	1,189,764,000	2,284,903	
1,187,479,097									
Total to System									

Month Jan-07 Feb-07 Mar-07 Apr-07 May-07 Jun-07 Jul-07 Aug-07

Month Jan-07 Feb-07 Mar-07 Apr-07 May-07 Jun-07 Jul-07 Aug-07

2008 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System				
Jan-08	14,955,000	15,086,000	11,798,000	1,306,000	10,619,000	10,910,000	64,674,000	123,149	64,550,851				
Feb-08	14,332,000	8,651,000	14,525,000	1,098,000	10,450,000	9,032,000	58,088,000	88,579	57,999,421				
Mar-08	7,200,000	17,495,000	13,377,000	416,000	10,813,000	9,807,000	59,108,000	143,871	58,964,129				
Apr-08	19,106,000	12,376,000	14,083,000	797,000	19,531,000	2,836,000	68,729,000	196,437	68,532,563				
May-08	21,402,000	28,584,000	25,201,000	352,000	27,800,000	0	103,339,000	261,525	103,077,475				
Jun-08	28,519,000	28,582,000	31,364,000	1,868,000	26,776,000	14,406,000	131,515,000	201,124	131,313,876				
Jul-08	30,214,000	41,164,000	40,877,000	11,217,000	28,925,000	27,144,000	179,541,000	288,289	179,252,711				
Aug-08	36,161,000	28,747,000	36,985,000	7,732,000	30,154,000	26,595,000	166,374,000	214,288	166,159,712				
Sep-08	23,862,000	17,774,000	27,531,000	878,000	23,205,000	17,684,000	110,934,000	150,760	110,783,240				
Oct-08	22,362,000	9,540,000	14,072,000	252,000	13,766,000	16,978,000	76,970,000	170,935	76,799,065				
Nov-08	7,545,000	14,818,000	10,517,000	1,807,000	13,022,000	12,706,000	60,415,000	140,528	60,274,472				
Dec-08	14,199,000	4,184,000	15,996,000	0	14,105,000	11,825,000	60,309,000	187,931	60,121,069				
Total	239,857,000	227,001,000	256,326,000	27,723,000	229,166,000	159,923,000	1,139,996,000	2,167,416					
										1,137,828,584			
										Total Wells Backwash			

Working on Well #9 in May
Well #5 went down in December

2009 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-09	22,551,000	0	14,752,000	607,000	12,761,000	13,360,000	64,031,000	70,729	63,960,271
Feb-09	16,269,000	1,000	15,130,000	297,000	13,442,000	11,180,000	56,319,000	40,078	56,278,922
Mar-09	17,549,000	12,509,000	6,328,000	902,000	13,748,000	10,561,000	61,597,000	210,955	61,386,045
Apr-09	3,674,000	46,949,000	0	2,105,000	17,645,000	11,897,000	82,270,000	329,723	81,940,277
May-09	18,318,000	50,069,000	33,037,000	3,191,000	733,000	26,966,000	132,314,000	57,834	132,256,166
Jun-09	38,900,000	41,096,000	36,350,000	5,868,000	0	28,407,000	150,621,000	102,320	150,518,680
Jul-09	19,543,000	40,262,000	53,089,000	19,102,000	8,817,000	31,717,000	172,530,000	47,889	172,482,111
Aug-09	1,082,000	10,259,000	56,326,000	7,304,000	15,220,000	27,821,000	118,012,000	106,033	117,905,967
Sep-09	27,466,000	27,802,000	18,412,000	4,872,000	28,068,000	21,729,000	128,349,000	47,563	128,301,437
Oct-09	22,784,000	17,697,000	4,361,000	0	10,894,000	13,115,000	68,851,000	12,894,000	55,957,000
Nov-09	23,688,000	9,316,000	6,772,000	436,000	10,676,000	9,134,000	60,022,000	34,465	59,987,535
Dec-09	11,645,000	13,405,000	15,006,000	268,000	9,301,000	11,464,000	61,089,000	35,900	61,053,100
Total	223,469,000	269,365,000	259,563,000	44,952,000	141,305,000	217,351,000	1,156,005,000	13,977,489	
Well # 5 went down in December 2008									1,142,027,511
Well # 6 Maintenance work March, April 2009									Total Wells Backwash
Well # 8 Maintenance work May 2009									

2010 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-10	15,726,000	9,611,000	13,409,000	469,000	9,817,000	12,884,000	61,916,000	17,766	61,898,234
Feb-10	6,898,000	17,511,000	13,720,000	493,000	10,393,000	9,840,000	58,855,000	53,959	58,801,041
Mar-10	0	14,869,000	30,357,000	0	7,217,000	14,546,000	66,989,000	13,383	66,975,617
Apr-10	1,717,000	35,406,000	22,356,000	498,000	18,751,000	12,371,000	91,099,000	38,465	91,060,535
May-10	27,236,000	27,281,000	16,782,000	1,291,000	21,608,000	15,692,000	109,890,000	123,315	109,766,685
Jun-10	16,247,000	28,675,000	20,000,000	217,000	24,992,000	13,076,000	103,207,000	53,051	103,153,949
Jul-10	34,012,000	32,414,000	18,324,000	462,000	28,448,000	21,065,000	134,725,000	96,146	134,628,854
Aug-10	21,385,000	30,847,000	31,872,000	576,000	28,660,000	21,212,000	134,552,000	65,273	134,486,727
Sep-10	27,905,000	17,402,000	16,006,000	142,000	20,683,000	12,797,000	94,935,000	56,685	94,878,315
Oct-10	15,962,000	16,354,000	20,318,000	189,000	14,290,000	13,347,000	80,460,000	37,322	80,422,678
Nov-10	13,140,000	8,868,000	16,614,000	198,000	14,886,000	7,092,000	60,798,000	21,962	60,776,038
Dec-10	12,865,000	14,344,000	14,268,000	0	12,588,000	9,009,000	63,074,000	112,031	62,961,969
Total	193,093,000	253,582,000	234,026,000	4,535,000	212,333,000	162,931,000	1,060,500,000	689,358	
									1,059,810,642
									Total Wells Backwash

Well #4 Maintenance work done in March by Keys Well Drilling

2011 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-11	10,935,000	16,698,000	15,594,000	177,000	14,591,000	8,824,000	66,819,000	141,283	66,677,717
Feb-11	14,282,000	9,540,000	16,529,000	292,000	9,522,000	9,950,000	60,115,000	27,742	60,087,258
Mar-11	15,201,000	18,624,000	8,636,000	129,000	12,997,000	8,430,000	64,017,000	73,366	63,943,634
Apr-11	15,881,000	14,422,000	14,983,000	129,000	14,190,000	11,393,000	70,998,000	682,612	70,315,388
May-11	12,413,000	22,422,000	17,337,000	166,000	13,086,000	12,451,000	77,875,000	336	77,874,664
Jun-11	24,054,000	22,599,000	21,075,000	2,394,000	22,630,000	19,713,000	112,465,000	89,085	112,375,915
Jul-11	21,514,000	32,165,000	28,440,000	296,000	30,949,000	26,570,000	139,934,000	62,470	139,871,530
Aug-11	30,396,000	23,260,000	24,490,000	61,000	33,648,000	27,061,000	138,916,000	53,205	138,862,795
Sep-11	27,203,000	31,048,000	30,275,000	5,515,000	25,911,000	23,298,000	143,250,000	109,416	143,140,584
Oct-11	22,731,000	30,156,000	13,794,000	1,752,000	19,289,000	16,106,000	103,828,000	37,796	103,790,204
Nov-11	7,364,000	15,407,000	19,608,000	0	10,342,000	9,983,000	62,704,000	15,485	62,688,515
Dec-11	12,727,000	19,532,000	11,543,000	0	12,063,000	9,719,000	65,584,000	49,827	65,534,173
Total	214,701,000	255,873,000	222,304,000	10,911,000	219,218,000	183,498,000	1,106,505,000	1,342,623	
1,105,162,377									
Total Wells Backwash									

April - sludge was high due to filter media added

2012 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-12	14,343,000	10,732,000	16,429,000	117,000	8,594,000	11,914,000	62,129,000	51,294	62,077,706
Feb-12	10,815,000	21,411,000	6,848,000	187,000	14,908,000	4,578,000	58,747,000	327	58,746,673
Mar-12	11,715,000	10,477,000	19,082,000	745,000	22,147,000	0	64,166,000	466,790	63,699,210
Apr-12	19,091,000	15,182,000	11,595,000	449,000	16,726,000	9,137,000	72,180,000	185,847	71,994,153
May-12	14,100,000	23,225,000	25,241,000	639,000	22,583,000	15,202,000	100,990,000	62,565	100,927,435
Jun-12	33,151,000	28,834,000	21,071,000	2,650,000	24,008,000	22,467,000	132,181,000	51,912	132,129,088
Jul-12	46,709,000	19,703,000	53,269,000	16,368,000	22,286,000	28,936,000	187,271,000	150,797	187,120,203
Aug-12	50,327,000	27,401,000	19,881,000	2,144,000	24,608,000	29,098,000	153,459,000	82,575	153,376,425
Sep-12	51,916,000	35,592,000	12,764,000	394,000	30,101,000	23,988,000	154,755,000	100,093	154,654,907
Oct-12	14,914,000	21,662,000	18,642,000	483,000	25,477,000	18,092,000	99,270,000	68,557	99,201,443
Nov-12	16,522,000	10,410,000	9,319,000	109,000	17,355,000	10,108,000	63,823,000	42,009	63,780,991
Dec-12	16,319,000	16,023,000	8,394,000	262,000	19,129,000	3,275,000	63,402,000	40,326	63,361,674
Total	299,922,000	240,652,000	222,535,000	24,547,000	247,922,000	176,795,000	1,212,373,000	1,303,092	
									1,211,069,908
									Total Wells Backwash

Well #9 went down for 5yr maintenance on 02/13/12

2013 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-13	11,321,000	12,894,000	18,896,000	403,000	19,866,000	0	63,380,000	42386	63,337,614
Feb-13	2,132,000	14,888,000	16,002,000	441,000	13,171,000	10,010,000	56,644,000	10222	56,633,778
Mar-13	17,573,000	9,396,000	6,986,000	0	18,286,000	11,114,000	63,355,000	92559	63,262,441
Apr-13	7,064,000	34,020,000	0	328,000	14,519,000	15,195,000	71,126,000	62437	71,063,563
May-13	0	23,505,000	20,995,000	285,000	20,487,000	14,579,000	79,851,000	42962	79,808,038
Jun-13	0	22,733,000	24,289,000	295,000	19,660,000	17,200,000	84,177,000	84081	84,092,919
Jul-13	0	48,338,000	41,678,000	6,446,000	30,147,000	27,013,000	153,622,000	47621	153,574,379
Aug-13	44,025,000	31,304,000	26,014,000	6,834,000	28,383,000	25,420,000	161,980,000	66699	161,913,301
Sep-13	50,844,000	22,812,000	16,690,000	3,977,000	24,937,000	24,646,000	143,906,000	55297	143,850,703
Oct-13	23,220,000	1,806,000	18,687,000	125,000	20,545,000	16,140,000	80,523,000	62406	80,460,594
Nov-13	16,695,000	0	19,226,000	177,000	17,448,000	9,215,000	62,761,000	1963	62,759,037
Dec-13	17,874,000	0	21,143,000	390,000	16,480,000	11,922,000	67,809,000	81784.00	67,727,216
Total	190,748,000	221,696,000	230,606,000	19,701,000	243,929,000	182,454,000	1,089,134,000	650,417	
1,088,483,583									
Total Wells Backwash									

Well 9 transducer replaced Jan 2013

Well 4 draw down concerns impacting usage ~ started Apr 25, 2013 ~Completed Aug. 7th 2013

Well 6 down for 4 year Maintenance starts March 2013~ Started back up in May 2013

Well 5 down for 4 year Maintenance starts October 2013

2014 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-14	14,917,000	20,739,000	6,052,000	315,000	20,638,000	8,411,000	71,072,000	205000	70,867,000
Feb-14	22,268,000	4,446,000	12,187,000	138,000	16,096,000	11,291,000	66,426,000	246384	66,179,616
Mar-14	16,511,000	21,838,000	11,081,000	0	6,922,000	9,644,000	65,996,000	73151	65,922,849
Apr-14	20,671,000	20,964,000	23,400,000	101,000	0	5,427,000	70,563,000	157182	70,405,818
May-14	21,760,000	17,468,000	15,156,000	21,000	16,316,000	15,140,000	85,861,000	103156	85,757,844
Jun-14	16,444,000	13,910,000	20,754,000	0	23,023,000	15,273,000	89,404,000	74694	89,329,306
Jul-14	25,209,000	22,011,000	30,810,000	6,470,000	25,680,000	21,535,000	131,715,000	150029	131,564,971
Aug-14	36,471,000	30,235,000	23,092,000	5,653,000	29,707,000	24,211,000	149,369,000	166872	149,202,128
Sep-14	22,239,000	21,508,000	13,666,000	39,000	25,223,000	20,538,000	103,213,000	130863	103,082,137
Oct-14	11,926,000	12,211,000	19,449,000	0	18,789,000	16,660,000	79,035,000	128597	78,906,403
Nov-14	0	19,033,000	15,855,000	0	16,150,000	9,976,000	61,014,000	78590	60,935,410
Dec-14	0	22,031,000	13,052,000	131,000	15,833,000	11,609,000	62,656,000	81146.00	62,574,854
Total	208,416,000	226,394,000	204,554,000	12,868,000	214,377,000	169,715,000	1,036,324,000	1,595,664	
1,034,728,336									
Total Wells Backwash									

** Well #8 Rehab 4/1/14 **

**Well #4 out of service 10/22/14

2015 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-15	0	15,910,000	21,877,000	0	15,346,000	11,389,000	64,522,000	138530	64,383,470
Feb-15	71,000	18,215,000	18,799,000	0	14,177,000	9,079,000	60,341,000	112330	60,228,670
Mar-15	12,584,000	20,989,000	11,172,000	51,000	11,240,000	12,966,000	69,002,000	96699	68,905,301
Apr-15	9,613,000	21,884,000	15,636,000	0	16,926,000	14,353,000	78,412,000	145867	78,266,133
May-15	21,926,000	18,240,000	11,703,000	72,000	22,778,000	16,264,000	90,983,000	72104	90,910,896
Jun-15	21,181,000	23,261,000	23,599,000	313,000	25,229,000	15,410,000	108,993,000	141551	108,851,449
Jul-15	18,076,000	28,082,000	31,982,000	2,920,000	23,331,000	15,117,000	119,508,000	143,592	119,364,408
Aug-15	29,983,000	28,351,000	27,873,000	62,000	21,582,000	19,307,000	127,158,000	146227	127,011,773
Sep-15	22,236,000	28,335,000	17,613,000	0	18,173,000	15,786,000	102,143,000	129154	102,013,846
Oct-15	14,369,000	21,331,000	19,340,000		14,790,000	13,194,000	83,024,000	92299	82,931,701
Nov-15	11,158,000	13,108,000	17,191,000	0	10,821,000	10,191,000	62,469,000	74959	62,394,041
Dec-15	10,806,000	19,039,000	9,422,000	18,000	13,176,000	11,502,000	63,963,000	128000.00	63,835,000
Total	172,003,000	256,745,000	226,207,000	3,436,000	207,569,000	164,558,000	1,030,518,000	1,421,312	
								1,029,096,688	
								Total Wells Backwash	

**Well #4 out of service 10/22/14

**Well #7, out of service for rehab March 2015

2016 Water Pumping Report

Month	Well #4	Well #5	Well #6	Well #7	Well #8	Well #9	Total all Wells	Sludge to Sanitary Sewer	Total to System
Jan-16	12,545,000	17,123,000	8,836,000	0	14,422,000	12,244,000	65,170,000	104336	65,065,664
Feb-16	14,461,000	11,364,000	13,907,000	48,000	15,224,000	5,402,000	60,406,000	79303	60,326,697
Mar-16	15,552,000	18,280,000	11,193,000	0	17,332,000	0	62,357,000	115515	62,241,485
Apr-16	21,936,000	17,312,000	15,177,000	0	18,503,000	0	72,928,000	144472	72,783,528
May-16	23,067,000	28,410,000	25,795,000	0	23,515,000	0	100,787,000	75859	100,711,141
Jun-16	34,121,000	28,163,000	38,529,000	698,000	26,766,000	1,468,000	129,745,000	179569	129,565,431
Jul-16	28,786,000	39,190,000	32,489,000	4,723,000	26,869,000	23,400,000	155,457,000	206,353	155,250,647
Aug-16	25,373,000	18,740,000	29,700,000	564,000	22,145,000	18,828,000	115,350,000	152759	115,197,241
Sep-16									
Oct-16									
Nov-16									
Dec-16									
Total	175,841,000	178,582,000	175,626,000	6,033,000	164,776,000	61,342,000	762,200,000	1,058,166	
									761,141,834
									Total Wells Backwash

Well 9 down for rehab 02/24/16 2016 - 06/29/16

APPENDIX 2: WATER LEVEL MONITORING PLAN

CITY OF CHASKA – WATER LEVEL MONITORING PLAN

This plan summarizes the existing groundwater level monitoring efforts that the City undertakes and outlines an expansion of the data collection effort to cover the lifetime of the current amended Water Supply Plan.

Existing Monitoring Program

The City of Chaska currently collects continuous water level monitoring data from all of the active municipal water supply wells. The table below provides information for each well being monitored.

Well Name	Unique Number	Aquifer	Well Depth (feet)	Monitoring Equipment	Monitoring Frequency
Well 4	200809	Tunnel City-Mt. Simon	813	Pressure transducer and SCADA	Hourly
Well 5	110453	Wonewoc-Mt. Simon	773	Pressure transducer and SCADA	Hourly
Well 6	161435	Mt. Simon	817	Pressure transducer and SCADA	Hourly
Well 7	557822	Drift	368	Pressure transducer and SCADA	Hourly
Well 8	674319	Tunnel City-Wonewoc	576	Pressure transducer and SCADA	Hourly
Well 9	677176	Jordan	333	Pressure transducer and SCADA	Hourly

Water level measurements are collected hourly from each well, using the City's SCADA system to record the measurements. At the end of each month, measurements are compiled into a CSV-formatted spreadsheet and submitted to the Minnesota Department of Natural Resources (DNR). A sample of a small portion of one monthly submitted is attached for reference, showing the reporting format utilized for submittal.

Proposed Monitoring Program Additions

The City of Chaska has been working with the DNR to expand the monitoring network to construct dedicated monitoring wells which will supplement the data already being collected in the municipal water supply wells. This is being done as a condition for expansion of the City's well field to add Well 10 to the Tunnel City-Wonewoc aquifer. Chaska staff met with the DNR on September 8, 2016 to identify the locations for future monitoring points. The results of the meeting are outlined in the attached letter, submitted by Chaska to DNR staff on October 3, 2016.

The current plan is to drill three new dedicated monitoring wells, one each in the Drift, Jordan, and Tunnel City aquifers. An existing test well (unique number 674317) completed in the Tunnel City

formation will also be converted as a dedicated monitoring well. Construction of these wells is planned to be completed in 2017, with monitoring set to begin on or before January 2018. A map showing the proposed well locations is included in the October 3, 2016 letter.

These proposed monitoring wells will all be outfitted with similar water level measuring probes that the municipal wells utilize and the wells will use telemetry to relay water level readings, on an hourly basis, to the City's SCADA system. Formatting and reporting of water level data will take place on the same schedule as the municipal water supply wells, with data bundled together as one overall monthly submittal.

The water level monitoring efforts from the municipal water supply wells and dedicated monitoring wells is proposed to occur throughout the 10-year lifetime of the City's amended Water Supply Plan. When the plan is next updated in 2026, monitoring requirements will be reviewed and it will be determined if modifications to the monitoring program are necessary.

date_time	MDH_Well_ID	Volume_HR_MGH	Runtime_HR	Est_Pump_Rate_GPM	Depth_to_Water_FT
10/1/2016 0:04	200809	0.000	0.00	0	217.40
10/1/2016 1:04	200809	0.000	0.00	0	214.10
10/1/2016 2:04	200809	0.000	0.00	0	212.00
10/1/2016 3:04	200809	0.000	0.00	0	210.50
10/1/2016 4:04	200809	0.000	0.00	0	209.20
10/1/2016 5:04	200809	0.000	0.00	0	238.70
10/1/2016 6:04	200809	0.107	0.90	1981	257.30
10/1/2016 7:04	200809	0.107	1.00	1783	271.40
10/1/2016 8:04	200809	0.105	1.00	1750	276.80
10/1/2016 9:04	200809	0.104	1.00	1733	278.10
10/1/2016 10:04	200809	0.041	0.40	1707	227.80
10/1/2016 11:04	200809	0.000	0.00	0	220.10
10/1/2016 12:04	200809	0.000	0.00	0	216.10
10/1/2016 13:04	200809	0.000	0.00	0	213.50
10/1/2016 14:04	200809	0.000	0.00	0	211.60
10/1/2016 15:04	200809	0.051	0.50	1700	252.10
10/1/2016 16:04	200809	0.110	1.00	1833	257.40
10/1/2016 17:04	200809	0.110	1.00	1833	260.00
10/1/2016 18:04	200809	0.108	1.00	1800	261.50
10/1/2016 19:04	200809	0.109	1.00	1817	262.50
10/1/2016 20:04	200809	0.108	1.00	1800	263.30
10/1/2016 21:04	200809	0.108	1.00	1800	264.00
10/1/2016 22:04	200809	0.047	0.50	1567	222.70
10/1/2016 23:04	200809	0.000	0.00	0	216.90
10/2/2016 0:04	200809	0.000	0.00	0	213.90
10/2/2016 1:04	200809	0.000	0.00	0	211.80
10/2/2016 2:04	200809	0.000	0.00	0	210.20
10/2/2016 3:04	200809	0.000	0.00	0	229.30
10/2/2016 4:04	200809	0.097	0.80	2019	253.70
10/2/2016 5:04	200809	0.110	1.00	1833	257.50
10/2/2016 6:04	200809	0.109	1.00	1817	259.50
10/2/2016 7:04	200809	0.109	1.00	1817	261.20
10/2/2016 8:04	200809	0.109	1.00	1817	262.30
10/2/2016 9:04	200809	0.108	1.00	1800	262.60
10/2/2016 10:04	200809	0.108	1.00	1800	263.30
10/2/2016 11:04	200809	0.107	1.00	1783	263.90
10/2/2016 12:04	200809	0.108	1.00	1800	264.60
10/2/2016 13:04	200809	0.107	1.00	1783	242.40
10/2/2016 14:04	200809	0.014	0.20	1171	221.10
10/2/2016 15:04	200809	0.000	0.00	0	216.50
10/2/2016 16:04	200809	0.000	0.00	0	213.70
10/2/2016 17:04	200809	0.000	0.00	0	211.70
10/2/2016 18:04	200809	0.000	0.00	0	223.50
10/2/2016 19:04	200809	0.094	0.80	1956	254.50
10/2/2016 20:04	200809	0.110	1.00	1833	258.20
10/2/2016 21:04	200809	0.109	1.00	1817	260.20
10/2/2016 22:04	200809	0.109	1.00	1817	261.70
10/2/2016 23:04	200809	0.108	1.00	1800	262.70
10/3/2016 0:04	200809	0.108	1.00	1800	263.50
10/3/2016 1:04	200809	0.108	1.00	1800	263.90



Municipal Services Building
City of Chaska, Water & Sewer Department
660 Victoria Drive
Chaska, MN 55318
Ph: 952-448-4335 Fax: 952-448-7356

October 3, 2016

Mr. Joe Richter
District Appropriations Hydrologist
Minnesota Department of Natural Resources
1200 Warner Road
Saint Paul, MN 55106

Re: Letter of Understanding following September 8, 2016 meeting

Dear Mr. Richter:

We appreciate you meeting with us on September 8, 2016 to discuss potential changes to Chaska's water supply system and to review proposed monitoring well locations to help support the growth of our well fields. The purpose of this letter is to articulate our understanding of the meeting's outcome and to lay out the proposed scenario for the water system expansion over the next several years.

Future Municipal Wells

At the time that our previous Water Supply Plan was developed, it was anticipated that the municipal wells would be added in the existing Victoria Well Field (which currently contains Wells 4, 5, 6, 8, and 9). We were planning that the next wells would either be completed in the Jordan aquifer or in the Tunnel City-Wonewoc (TCW) aquifer, formerly known as the Franconia-Ironton-Galesville (FIG) aquifer. One advantage of this scenario was to place the wells in close proximity to our water treatment plant, so that we could streamline the number of raw water mains needed to carry well water to the plant.

Recently, however, the City has decided on an alternate approach. The current plan is to utilize Well No. 7 to a greater amount. Well No. 7 is completed in the drift aquifer and is a highly productive well, but the current manganese levels of the raw water produces widespread complaints from businesses and residents. We are in the process of considering adding a second water treatment plant near Well No. 7. In order to make it feasible to construct a new water treatment plant the City needs to construct a backup well in order to maintain a firm capacity at the plant. This backup well would most likely be completed in the TCW aquifer.

At some point in the future, additional growth or expansion will likely take place in the Victoria Well Field, if population trends continue as expected. But for the near future, no additional growth is expected in this well field.

Monitoring Well Requirements

In November 2009, Evan Drivas provided a memo to Jack Gleason outlining his requirements for a monitoring well network to accommodate the expected growth of Chaska's well field. At that time, it was believed that four new municipal wells would be drilled by the year 2015. To date, no additional municipal wells have been drilled since that memo was written, because water demands haven't increased to the extent that were originally predicted.

The purpose of the monitoring wells was to establish whether pumping from the aquifer(s) that serve the Victoria Well Field would have an impact on groundwater-dependent natural resources in the area. In particular, the primary concern dealt with possible impacts to the Seminary Fen, located approximately 2.25 miles east of the Victoria Well Field (as seen in Figure 1). At that time, Mr. Drivas noted a need for three monitoring wells:

1. One Jordan aquifer well near the north end of the Victoria Well Field, where future Jordan aquifer production wells were expected to be drilled.
2. A nest of two monitoring wells roughly halfway between the Victoria Well Field and the Seminary Fen. These wells were to be completed in both the TCW aquifer and the Jordan aquifer. If the Jordan aquifer was absent at the location indicated in the memo, then a drift aquifer well completed at roughly the same elevation as where the Jordan aquifer is present elsewhere in the City.

Proposed New Monitoring Well Locations

The purpose of our September 8, 2016 meeting was to review the 2009 memo and determine what the optimal monitoring well locations currently are, considering the revised plans to expand Chaska's water supply system. Scott Pearson, a professional geologist from the DNR, was also in attendance to provide guidance to determine the optimal location for these monitoring wells.

The original approach of installing monitoring wells between the well fields and the fen was still considered to be essential. Aquifers to be monitored include the TCW aquifer, the Jordan aquifer, and the drift aquifer where the Jordan is expected to be absent. The attached Figure 1 shows the newly proposed locations of the monitoring wells. At completion, the City is expecting to have four dedicated monitoring wells. These wells include:

1. Existing Well 674317, which is a TCW aquifer test well completed on the Fire Station property. This test well is currently not being regularly used for other purposes, so it could easily be converted to serve as a dedicated monitoring well. The intended purpose of this monitoring well will be to observe drawdown interference from the nearby Victoria Well Field.
2. A Jordan aquifer monitoring well is proposed to be installed next to well 674317 described above. Since the drilling log for the existing well showed that the Jordan aquifer is present in this location, this is expected to be a good location to observe drawdown interference in the Jordan aquifer which results from pumping the Victoria Well Field.
3. A nest of two eastern monitoring wells would be drilled between Mabel Court and Audubon Road, as indicated on Figure 1. This nest would consist of a drift aquifer well, completed at roughly the same elevation of the Jordan aquifer (which is absent at this location) and a TCW aquifer well. The purpose of this well nest would be to look for possible impacts from pumping at municipal Well No. 7 and the proposed future Well No. 10, helping to obtain the information necessary to amend the appropriation permit for these wells. Additionally, if any far

reaching impacts from the Victoria Well Field are present at this location, it is expected that these monitoring wells would also help to observe and quantify those impacts.

The potentiometric surface of the drift and TCW aquifers at these proposed monitoring well locations is expected to be above the elevation of 770 feet. This is the elevation at which seeps in the Seminary Fen have been observed, so it is important that the monitoring wells are higher in elevation than the observed seeps.

As part of the monitoring well construction effort, the City of Chaska will install continuous water level measuring devices in these wells that are connected to our SCADA system. Water levels measurements from these wells will be reported to the DNR at the same frequency that water level data from the municipal wells are currently being reported. The same data formatting structure would be used for all water level measurements to ensure consistency.

Proposed Next Steps

Assuming the above proposed sites meet with DNR approval, the City of Chaska is proposing to move forward with monitoring well construction in the year 2017, in advance of drilling future municipal Well No. 10. During the process of drilling the eastern nest of monitoring wells, the City will remain in close contact with DNR staff to ensure the completed locations and elevations of the wells meet with your expectations. We propose to drill the deeper TCW well first, since the elevation of that aquifer is fairly well understood. During the drilling process, we will document the drift aquifer layers that are present at the well site. A gamma log is also proposed to help differentiate the drift layers. In cooperation with DNR staff, the optimal depth to complete the drift aquifer monitoring well will be determined.

By working closely with you to determine the best depth and locations for these monitoring wells, the expectations are that wells will be optimally situated to provide the data required to make amendments to the City's water appropriation permit to accommodate proposed Well No. 10. We understand that any permitting effort for Well No. 10 may also include an aquifer pumping test, where additional data measurements and increased measuring frequency may be required.

At your earliest convenience, please verify whether the information in this letter accurately reflects the results of our September 8, 2016 meeting and outlines an acceptable plan for developing our monitoring well network. With your approval of this plan, the City will begin the process to solicit bids from contractors to move forward with well construction in the coming year.

Sincerely,



Matt Haefner
Water and Sewer Superintendent
City of Chaska

Cc. Scott Pearson, Minnesota Department of Natural Resources
Mary Coburn, Minnesota Department of Natural Resources
Bill Monk, City of Chaska - Engineering
Matt Clark, City of Chaska - Engineering
Mark Rolfs, Stantec Consulting Services Inc.
Mark Janovec, Stantec Consulting Services Inc.

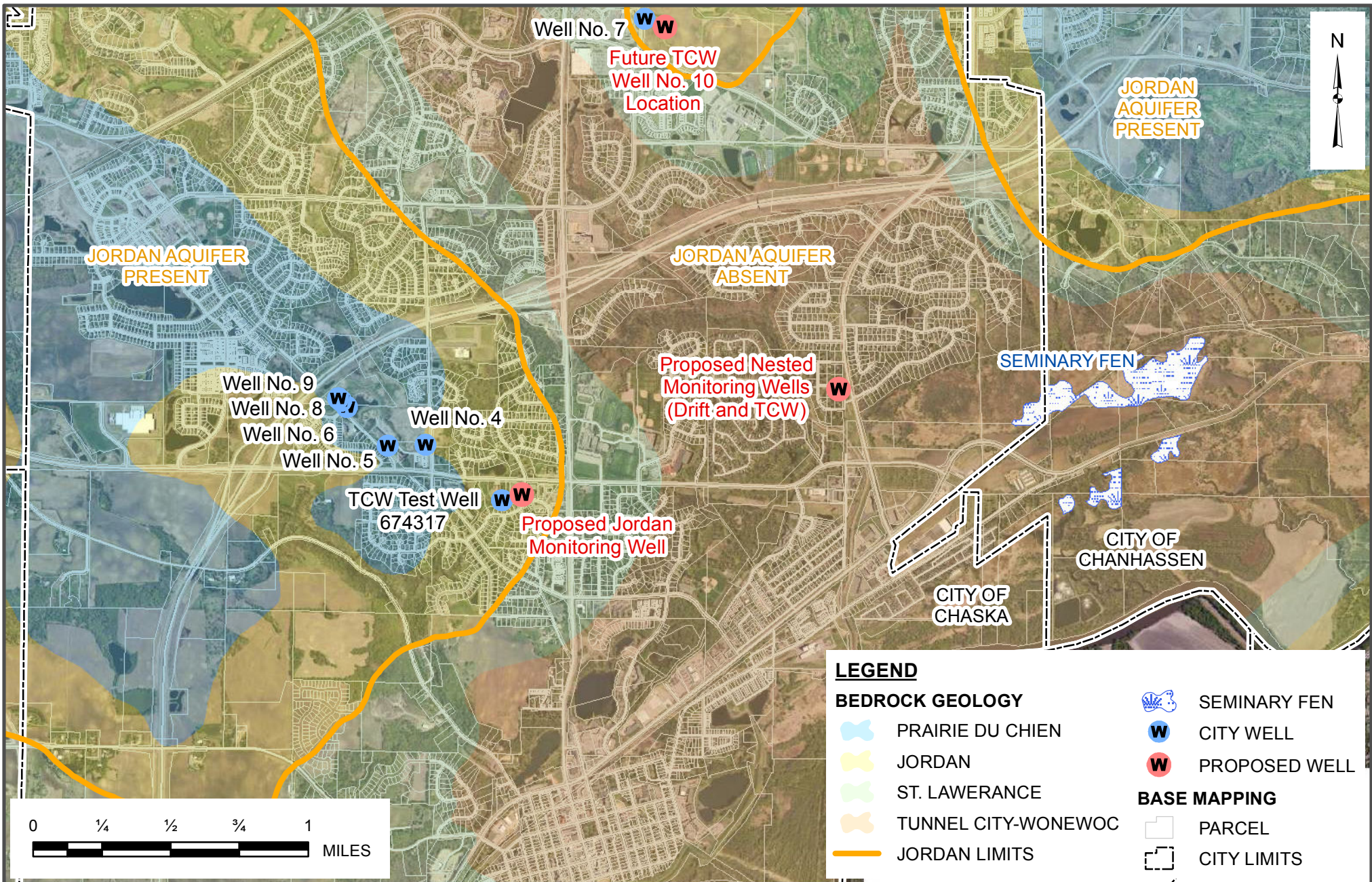


FIGURE 1 - PROPOSED MONITORING WELL LOCATIONS

The information on this map has been compiled by Stantec staff from a variety of sources and is subject to change without notice. Stantec makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information.

APPENDIX 3: WATER LEVEL GRAPHS FOR EACH WATER SUPPLY WELL

Chaska, MN SCADA System Main Screen

CHASKA-1

Print Screen

System Information

Water Plant

Towers/Wells/Boosters

Trends

Lift Stations

Storm Stations

Alarms & Reports

LS 2

LS 3

LS 4

LS 5

LS 8

LS 9

Wells Flow

Wells DD

Wells Temp

Elevated Tanks

Booster Station

WTP Flows

Filter Levels

Chemical Levels

CL2 Residual

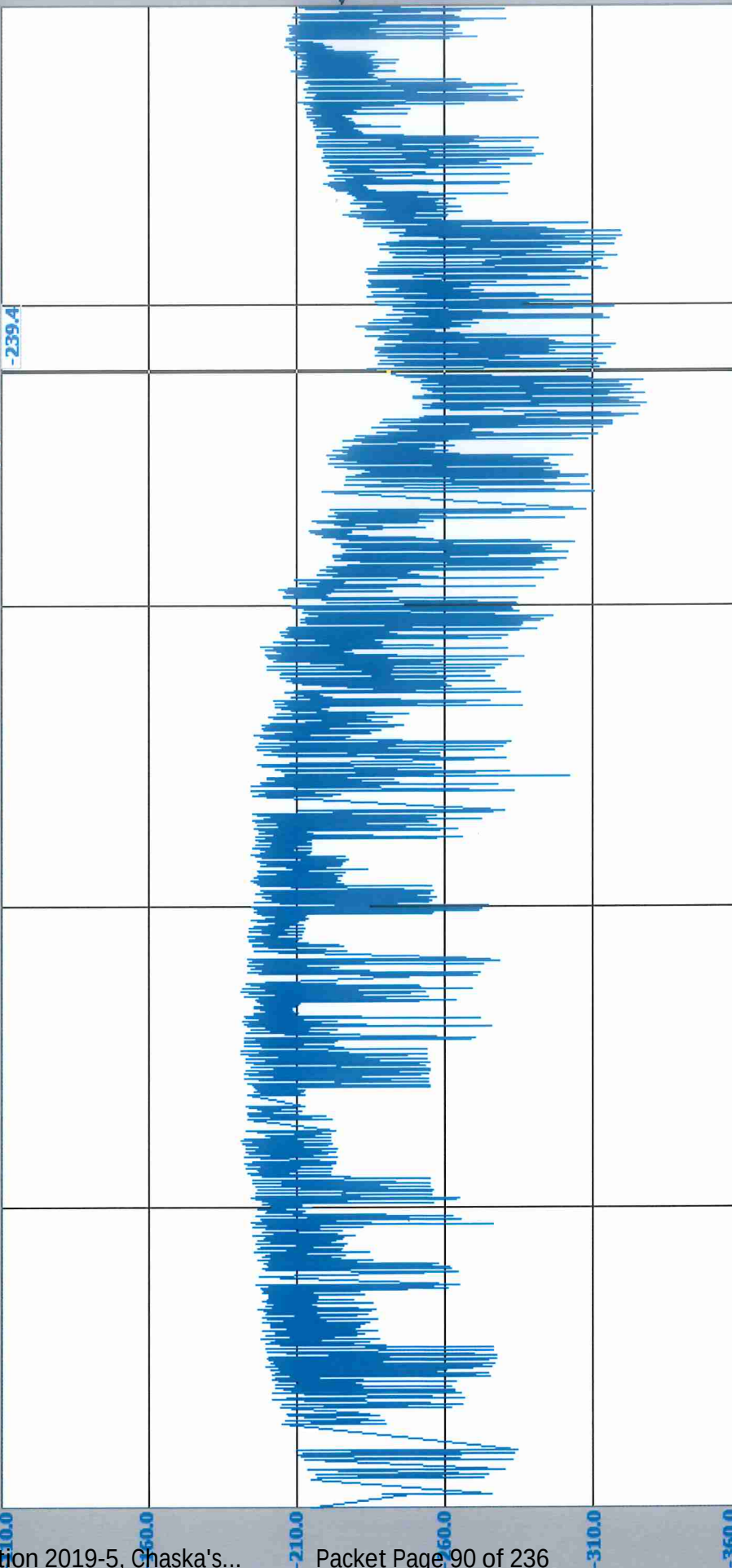
BW Tanks

HS Pump Chambers

X

Wells Drawdown Trend Monday, October 05, 2015 - Tuesday, October 04, 2016

7/7/2016 10:29:33 AM



9:15:51 AM 10/5/2015 8:15:51 12/17/2015 9:15:52 5/11/2016 9:15:53 7/23/2016 9:15:51 AM 10/4/2016

Units

Well 4 - Drawdown Inverted Level -225.1 -360.0 -110.0 Feet

Active Alarms

Station Time & Date: Monday, October 03, 2016 3:25:10 PM

Logged In: Default

Idle in 15:00

Login

Logout

Alm: 0, Sup: 0

ScreenPrint

Clear

Clear All

Chaska, MN SCADA System Main Screen

Print Screen

System Information

Water Plant

Towers/Wells/Boosters

Trends

Lift Stations

Storm Stations

Alarms & Reports

LS 1

LS 2

LS 3

LS 4

LS 5

LS 8

LS 9

Wells Flow

Wells DD

Wells Temp

Elevated Tanks

Booster Station

WTP Flows

Filter Levels

Chemical Levels

CL2 Residual

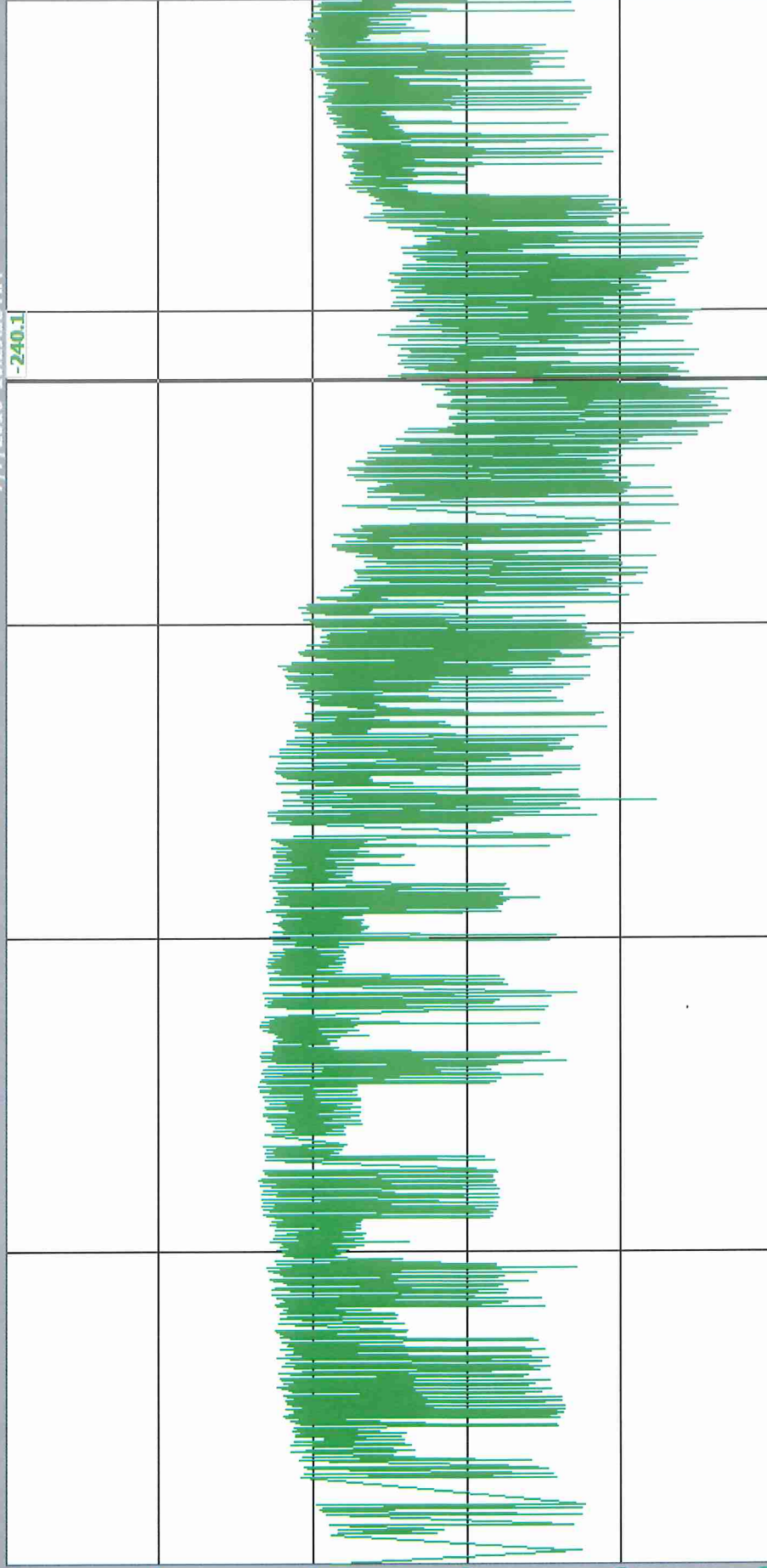
BW Tanks

HS Pump Chambers

X

Wells Drawdown Trend Monday, October 05, 2015 - Tuesday, October 04, 2016

7/7/2016 10:29:33 AM



9:15:51 AM 10/5/2015 8:15:51 12/17/2015 9:15:51 8/15/51 9:15:51 9:15:51 AM 10/4/2016

Units

Well 5 - Drawdown Inverted Level -225.5 -360.0 -110.0 Feet

Acknowledge All Alarms

Active Alarms

Station Time & Date: Monday, October 05, 2016 3:28:01 PM

Logged In: Default

Idle in 15:00

Login

Logout

Alm: 0, Sup: 0

ScreenPrint

Clear

Clear All

Chaska, MN SCADA System Main Screen

Print Screen

System Information

Water Plant

Towers/Wells/Boosters

Trends

Lift Stations

Storm Stations

Alarms & Reports

LS 1

LS 2

LS 3

LS 4

LS 5

LS 8

LS 9

Wells Flow

Wells DD

Wells Temp

Elevated Tanks

Booster Station

WTP Flows

Filter Levels

Chemical Levels

CL2 Residual

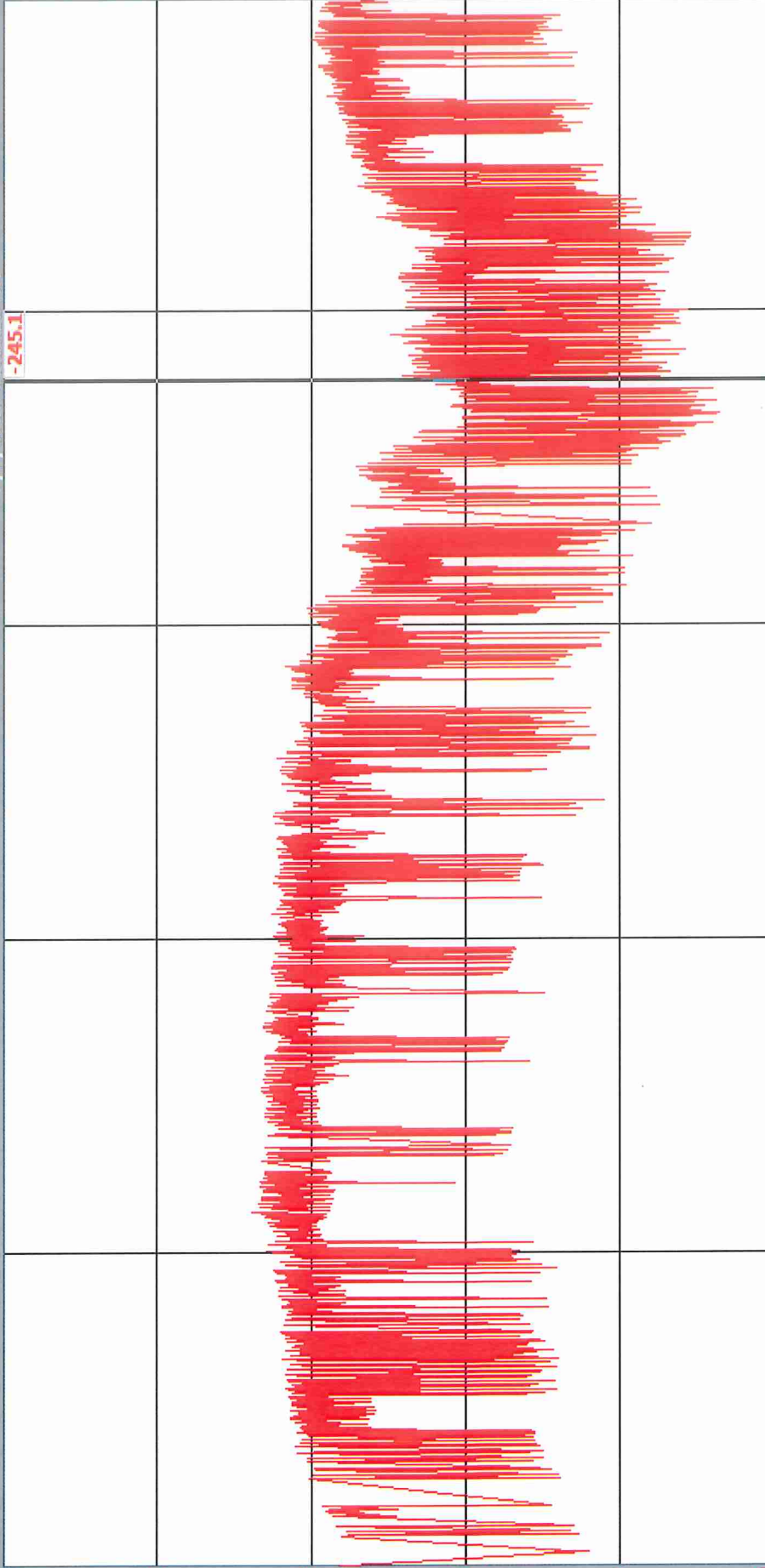
BW Tanks

HS Pump Chambers

X

Wells Drawdown Trend Monday, October 05, 2015 - Tuesday, October 04, 2016

7/7/2016 10:29:33 AM



9:15:51 AM
10/5/2015

8:15:51
12/17/2015

8:15:52
2/28/2016

9:15:52
5/11/2016

9:15:53
7/23/2016

9:15:51 AM
10/4/2016

Caption

Well 6 - Drawdown Inverted Level

Min Max

-224.7 -360.0 -110.0 Feet

Units

Acknowledge All Alarms

Active Alarms

Station Time & Date: Monday, October 03, 2016 3:57:29 PM

Logged In: Default

Idle in 15:00

Login

Logout

Alm: 0, Sup: 0

ScreenPrint

Clear

Clear All

Chaska, MN SCADA System Main Screen

MS-SCADA-1

Print Screen

Alarms & Reports

Storm Stations

Lift Stations

Trends

Towers/Wells/Boosters

Water Plant

System Information

LS 1

LS 2

LS 3

LS 4

LS 5

LS 8

LS 9

Wells Flow

Wells DD

Wells Temp

Elevated Tanks

Booster Station

WTP Flows

Filter Levels

Chemical Levels

CL2 Residual

BW Tanks

HS Pump Chambers

Wells Drawdown Trend

Sunday, October 04, 2015 - Monday, October 03, 2016

7:33:05 AM 10/4/2015

6:33:05 12/16/2015

7:33:05 7/10/2016

7:33:07 7/22/2016

7:33:05 AM 10/3/2016

7:35:48 AM

2/27/2016

5/10/2016

7/22/2016

10/3/2016

7:33:05 AM

6:33:05 12/16/2015

7:33:05 7/10/2016

7:33:07 7/22/2016

7:33:05 AM 10/3/2016

Well 7 - Drawdown Inverted Level

Units

Min

Max

-177.5

-309.9

-59.9

Feet

Active Alarms

Station Time & Date: Tuesday, October 04, 2016 7:35:47 AM

Alm: 0, Sup: 0

Clear

Clear All

Packet Page 93 of 236

Chaska, MN SCADA System Main Screen

Print Screen

System Information

Water Plant

Towers/Wells/Boosters

Trends

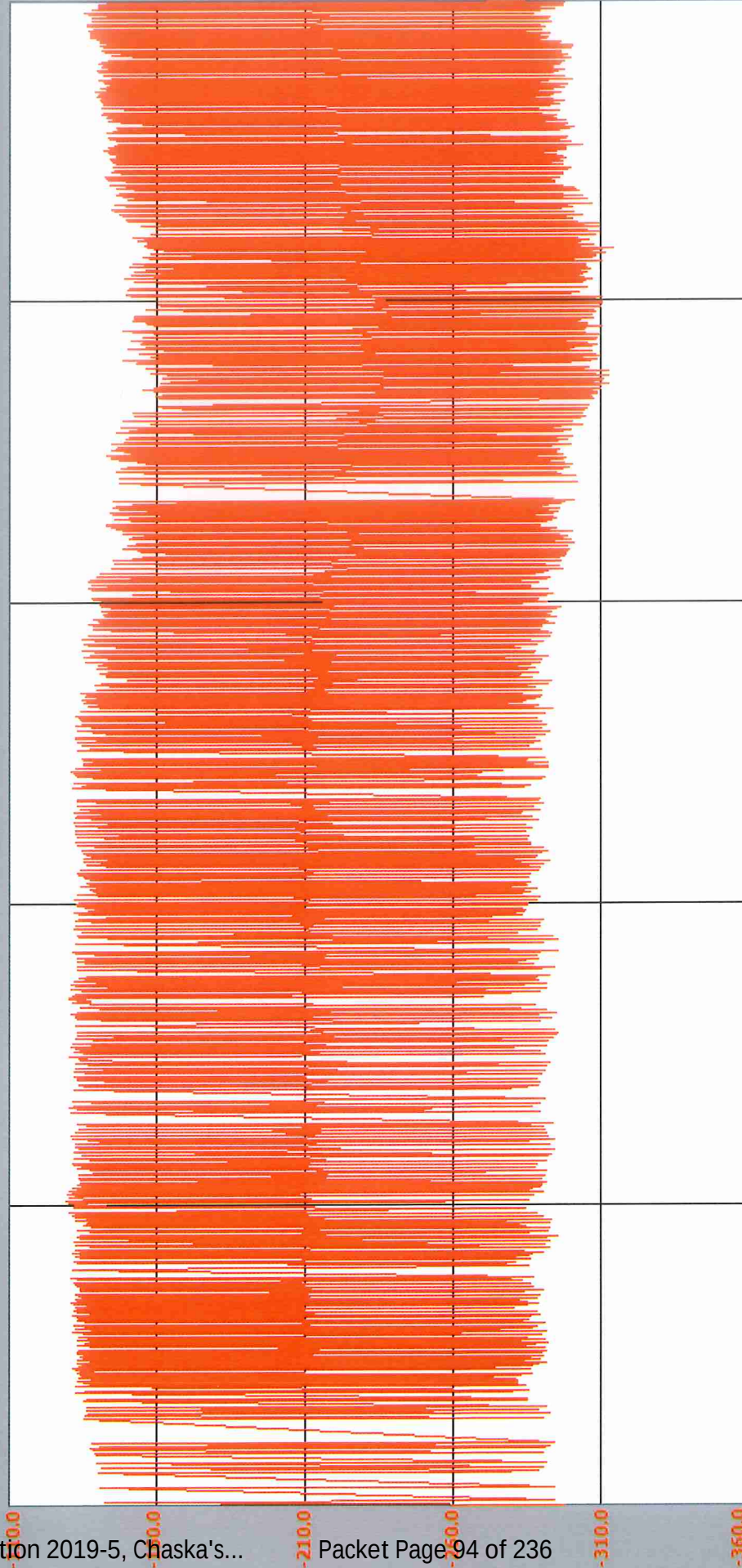
Lift Stations

Storm Stations

Alarms & Reports

LS 1	LS 2	LS 3	LS 4	LS 5	LS 8	LS 9	Wells Flow	Wells DD	Wells Temp	Elevated Tanks	Booster Station	WTP Flows	Filter Levels	Chemical Levels	CL2 Residual	BW Tanks	HS Pump Chambers
------	------	------	------	------	------	------	------------	----------	------------	----------------	-----------------	-----------	---------------	-----------------	--------------	----------	------------------

Wells Drawdown Trend Sunday, October 04, 2015 - Monday, October 05, 2016



7:33:05 AM 10/4/2015

6:33:05 12/16/2015

6:33:06 2/27/2016

7:33:06 5/10/2016

7:33:07 7/22/2016

7:33:05 AM 10/3/2016

7:38:25 AM

Min

Max

Well 8 - Drawdown Inverted Level

-283.0

-360.0

-110.0

Feet

Units

Active Alarms

Station Time & Date: Tuesday, October 04, 2016 7:38:25 AM

Logged In: Default

Idle in 15:00

Login

Logout

Alm: 0, Sup: 0

Chaska, MN SCADA System Main Screen

Chaska, MN SCADA-1

System Information

Water Plant

Towers/Wells/Boosters

Trends

Lift Stations

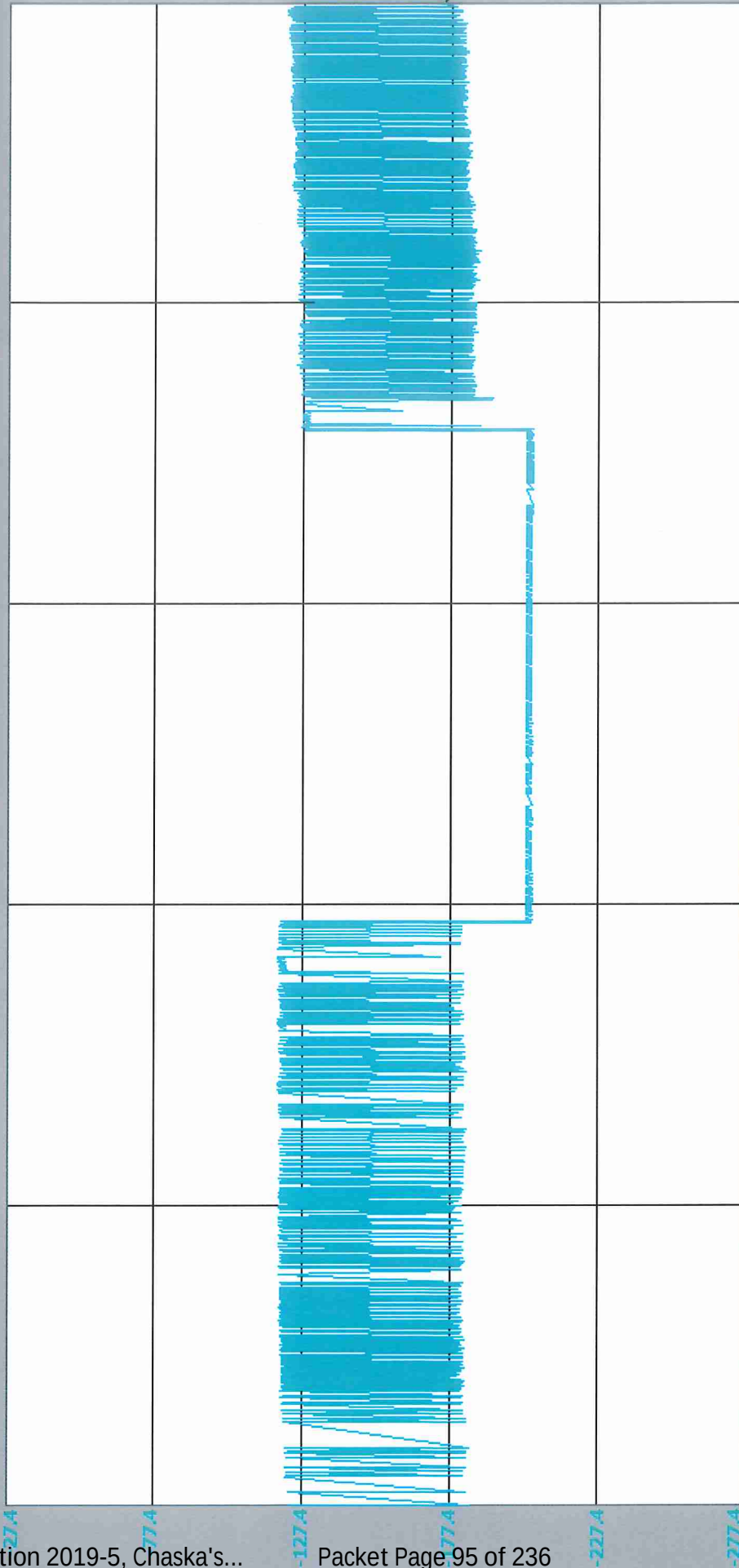
Storm Stations

Print Screen

Alarms & Reports

LS 2	LS 3	LS 4	LS 5	LS 8	LS 9	Wells Flow	Wells DD	Wells Temp	Elevated Tanks	Booster Station	WTP Flows	Filter Levels	Chemical Levels	CL2 Residual	BW Tanks	HS Pump Chambers
☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒

Wells Drawdown Trend Monday, October 05, 2015 - Tuesday, October 04, 2016



7:38:34 AM 10/5/2015 6:38:34 12/17/2015 7:38:35 5/11/2016 7:38:36 7/23/2016 7:38:34 AM 10/4/2016

Units

Well 9 - Drawdown Inverted Level -174.8 -277.4 -277.4 Feet

Logged In: Default

Station Time & Date: Tuesday, October 04, 2016 7:40:59 AM

Active Alarms

Acknowledge All Alarms

Idle in 15:00

Login

Logout

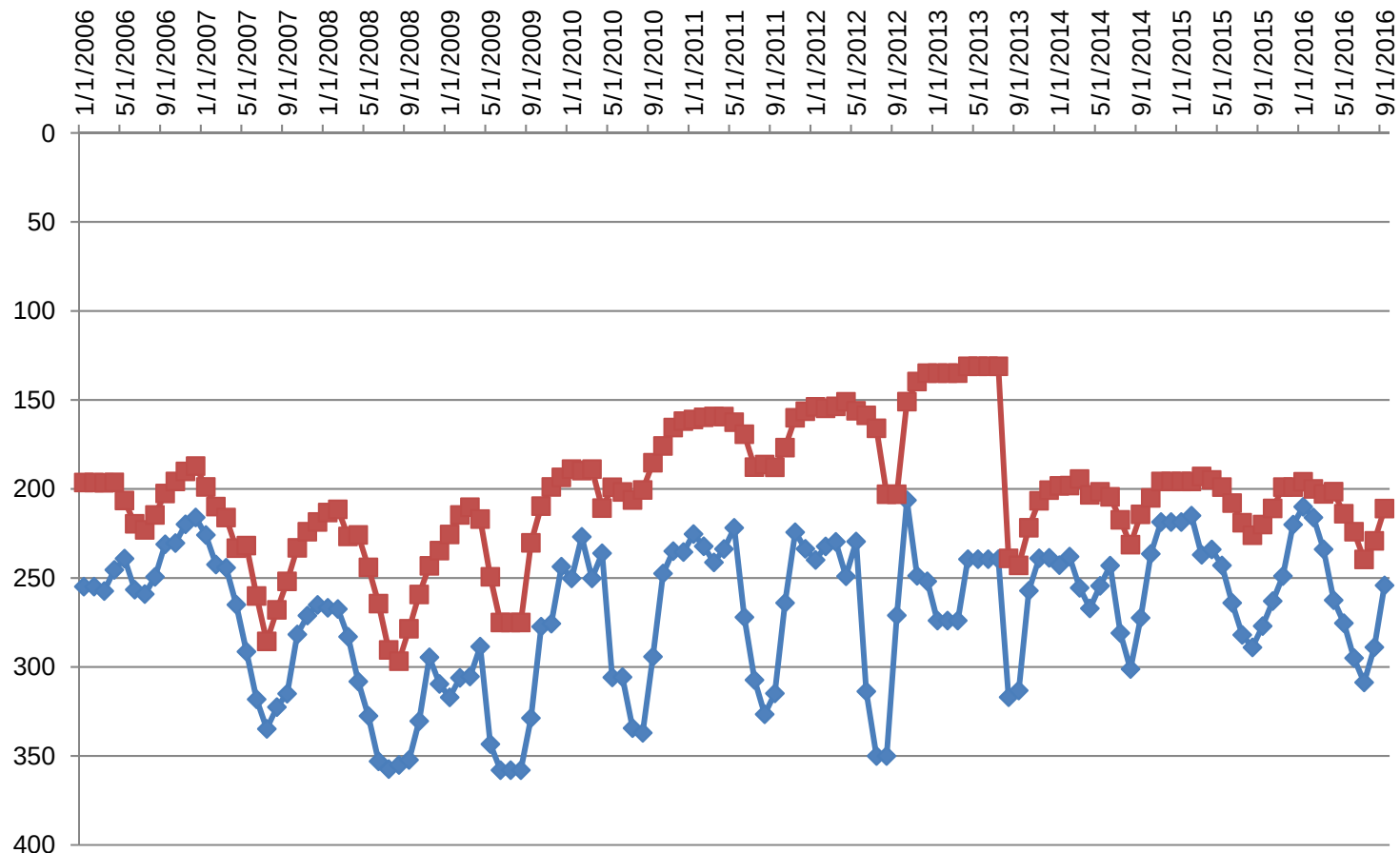
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ScreenPrint

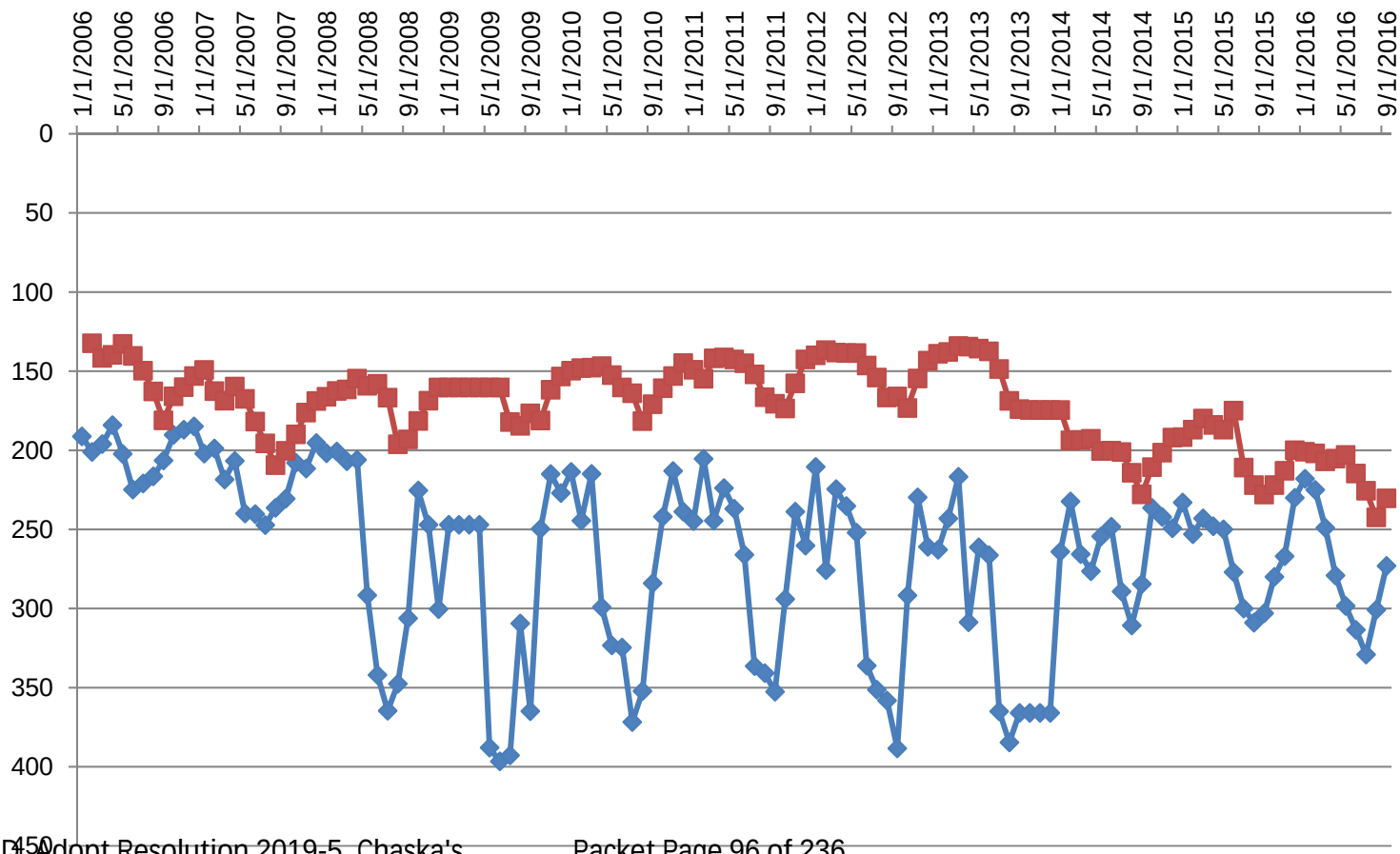
Clear

Clear All

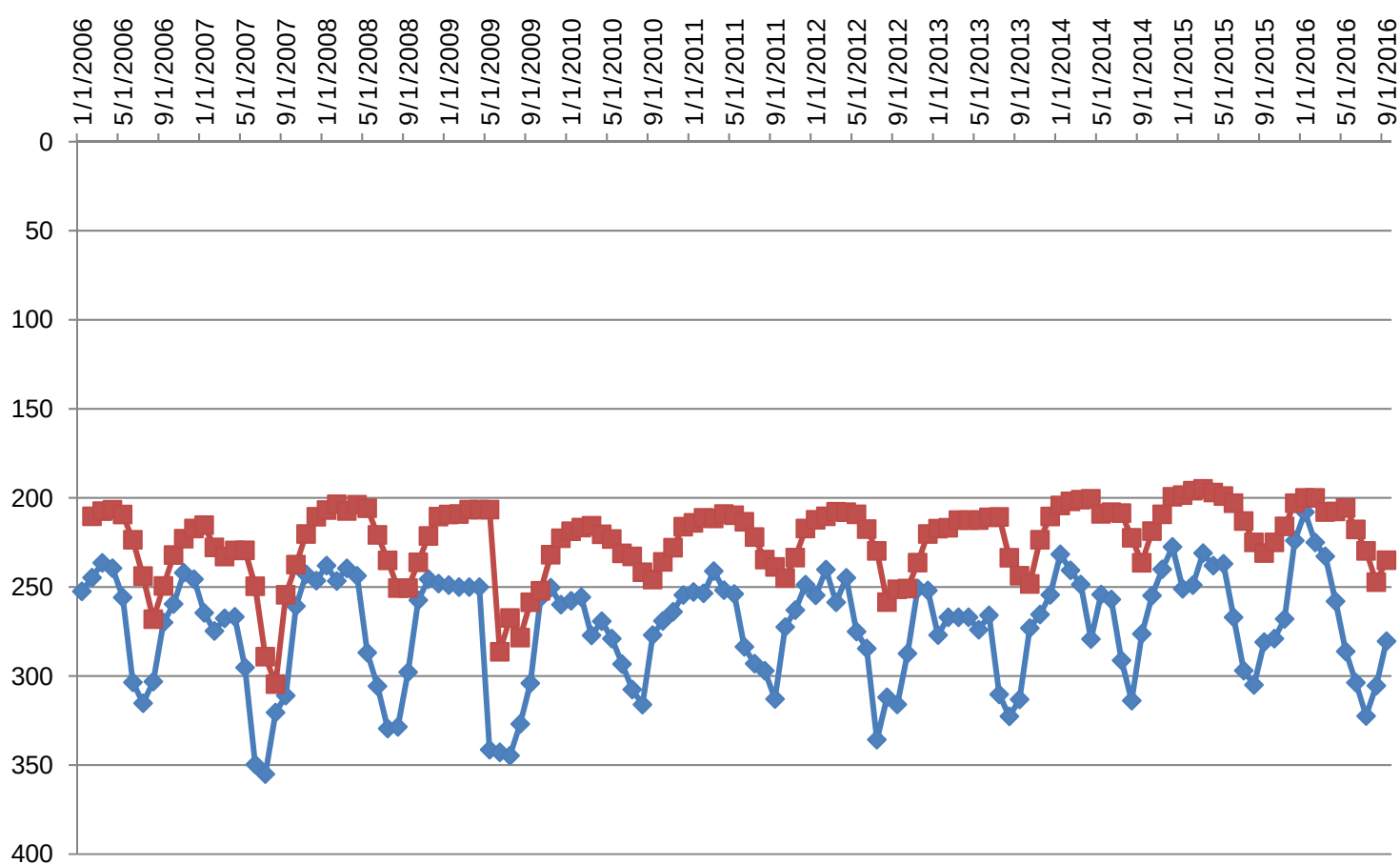
WELL 4



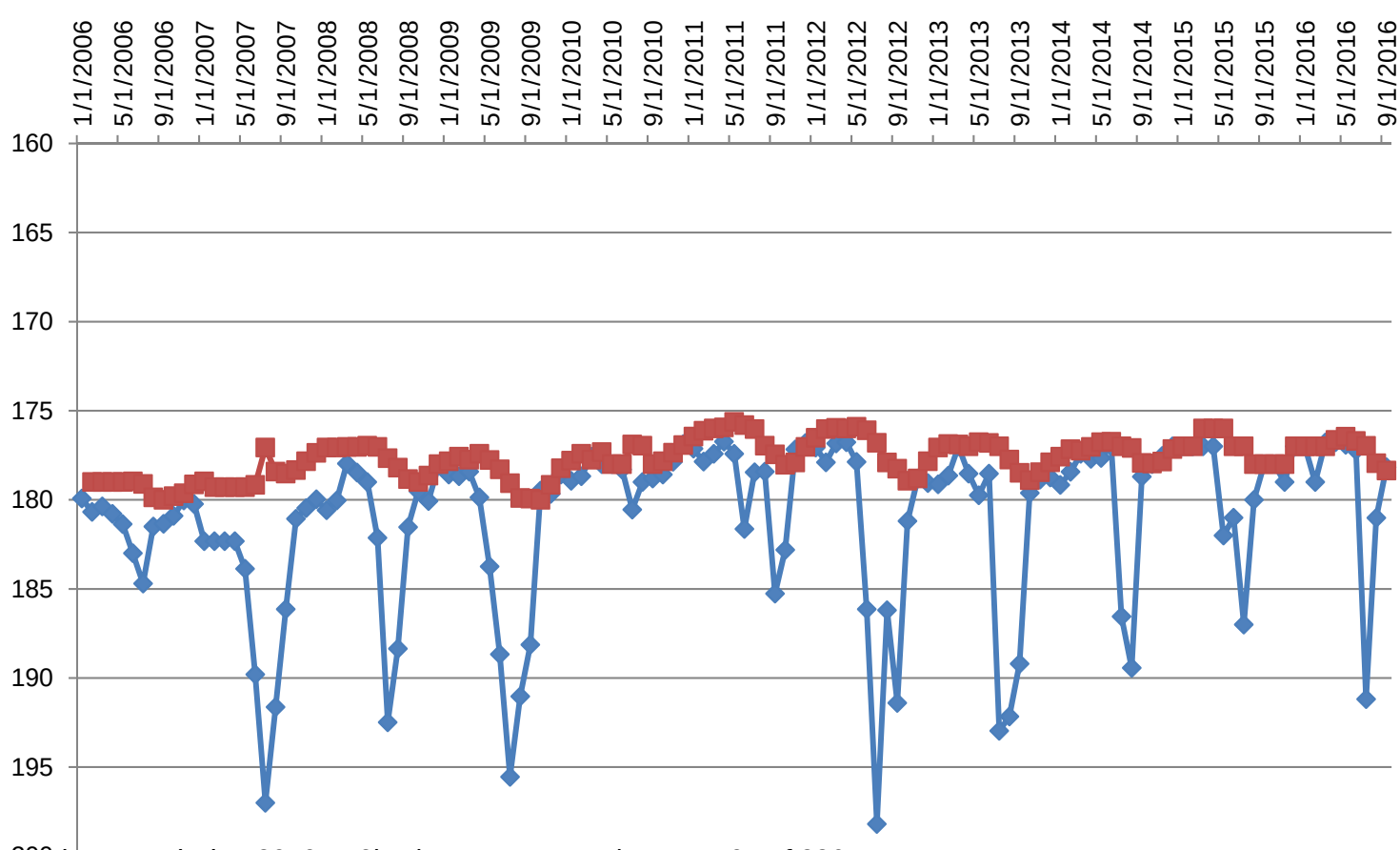
WELL 5



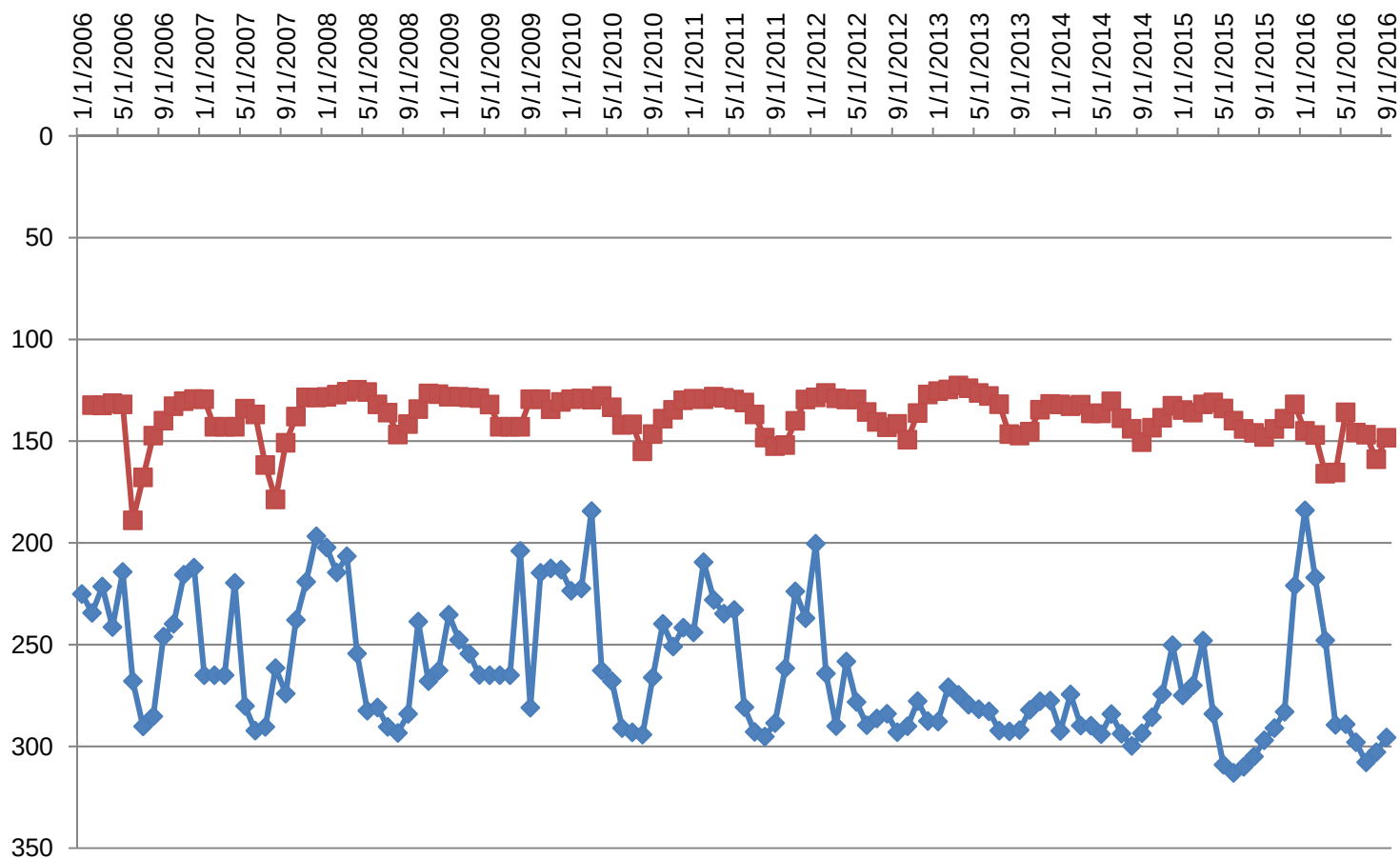
WELL 6



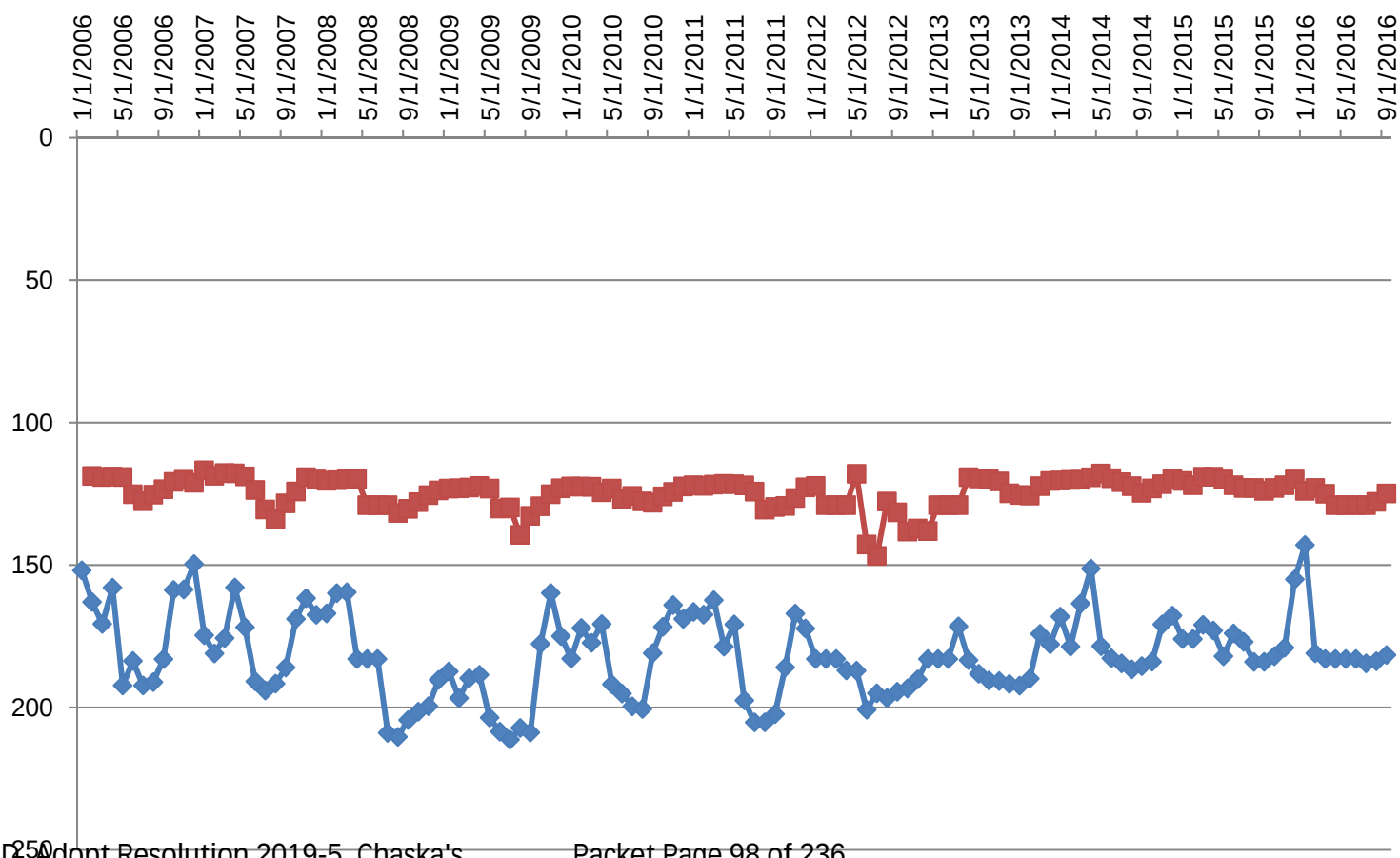
WELL 7



WELL 8



WELL 9



APPENDIX 4: CAPITAL IMPROVEMENT PLAN

2017 OPERATIONS & CIP MASTER WORKSHEET														
WATER & SEWER	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	Future
Additional Personnel		\$25,000							\$60,000					\$75,000
WATER														
CIP (Trunk Funded)														
Brickyard Water Connection to Highland Drive w/ PR Sta		\$250,000		\$75,000										
Well # 10											\$750,000		"1"	
Chaska Southwest Water Tower										\$3,000,000	"1"			
Wells #11 & #12														\$3,000,000
Kelzer Industrial Watermain						\$50,000	\$50,000	"2"						
Frey Industrial Watermain						\$75,000	\$75,000	"2"						
Chaska Heights North Watermain			\$75,000			\$87,500	\$87,500	"3"						
Chaska Heights South Watermain			\$75,000		\$250,000	"3"								
Hammers Watermain Oversizing								\$90,000	"2"					
Hammers/SW Chaska Watermain Connection								\$250,000						
Hammers Pressure Reducing Stations (2)								\$110,000	"2"					
Brose & Glock Farms Watermain														\$1,250,000
Webber/North Chaska Watermain														\$750,000
Lano & Frenz Watermain														\$1,500,000
Raser & Kloos Farms Watermain								\$350,000						
North Side Hwy 212 Loop (Bavaria to HWY 41)														\$600,000
Stoughton Ave. Trunk Loop						\$350,000	"1"							
Zone 4 Connection Bavaria Tower to Arbor Park Trunk										\$2,000,000			"1"	
New Tunnel City Well Near Well 7									\$1,000,000					
Well No. 7 Treatment									\$5,000,000	"1"				
Street Reconstruction	\$448,000	\$451,000	\$559,500	\$500,000	\$500,000	\$500,000	\$500,000	\$500,000						
CIP Totals	\$448,000	\$701,000	\$709,500	\$575,000	\$750,000	\$1,062,500	\$712,500	\$1,300,000	\$6,000,000	\$5,000,000	\$750,000	\$0	\$0	\$7,100,000

APPENDIX 5: EMERGENCY TELEPHONE LIST

Attachment

Emergency Telephone List

Emergency Response Team	Name	Work Telephone	Alternate Telephone
Emergency Response Lead	Matt Haefner	952-227-7733	952-448-4335
Alternate Emergency Response Lead	Brad Doerr	952-227-7705	952-448-4335
Leadman/Lead Operator	Steve Latzke	952-448-4335	
On-Call Operator	After Hours Emergencies	952-448-4335	
Public Communications	Matt Podhradsky	952-448-9200	

State and Local Emergency Response Contacts	Name	Work Telephone	Alternate Telephone
State Incident Duty Officer	Minnesota Duty Officer	800/422-0798 Out State	651-649-5451 Metro
County Emergency Director	Deb Paige	952-361-1292	
National Guard	Minnesota Duty Officer	800/422-0798 Out State	651-649-5451 Metro
Mayor	Mark Windschitl	952-448-9200	612-237-4188
Fire Chief	Tim Wiebe	952-448-2990	952-227-7457
Sheriff	Jim Olson	952-361-1212	952-361-1231
Police Chief	Scott Knight	952-448-4200	952-361-1231
Ambulance	Ridgeview	952-442-4222	952-361-1231
Hospital	Ridgeview Medical Center	952-442-2191	
Doctor or Medical Facility	Two Twelve Medical Center	952-361-2447	

State and Local Agencies	Name	Work Telephone	Alternate Telephone
MDH District Engineer	Amy Lynch	507-344-2713	
MDH	Drinking Water Protection	651-201-4700	
State Testing Laboratory	Minnesota Duty Officer	800/422-0798 Out State	651-649-5451 Metro
MPCA	MPCA	1-800-422-0798	1-800-657-3864
DNR Area Hydrologist	Jennie Skancke	651-259-5790	651-259-5800
County Water Planner	Paul Moline	952-361-1828	

Utilities	Name	Work Telephone	Alternate Telephone
Electric Company	City of Chaska	952-448-4335	612-490-9238
Gas Company	CenterPoint Energy	612-372-5050	612-332-5133
Telephone Company	CenturyLink	800-788-3600	952-442-2111
Gopher State One Call	Utility Locations	800-252-1166	651-454-0002
Highway Department	MNDot	952-905-7900	651-234-7840

Mutual Aid Agreements	Name	Work Telephone	Alternate Telephone
Neighboring Water System			
Emergency Water Connection	City of Chanhassen	952-227-1300	952-917-9345
Emergency Water Connection	City of Victoria	952-443-4210	
MNWARN Member	MNWARN	800-367-6792	651-649-5451

Technical/Contracted Services/Supplies	Name	Work Telephone	Alternate Telephone
MRWA Technical Services	MN Rural Water Association	800-367-6792	
Well Driller/Repair			
Pump Repair			
Electrician	Kloos Electric	952-448-6819	
Plumber	Diversified Plumbing	763-221-5441	
Backhoe	City of Chaska	952-448-4335	
Chemical Feed	City of Chaska	952-448-4335	

Meter Repair	City of Chaska	952-448-4335	
Generator	City of Chaska	952-448-4335	
Valves	City of Chaska	952-448-4335	
Pipe & Fittings	City of Chaska	952-448-4335	
Water Storage	City of Chaska	952-448-4335	
Laboratory	Twin City Water	952-935-3556	
Engineering firm	Stantec	651-636-4600	

Communications	Name	Work Telephone	Alternate Telephone
News Paper	Chaska Herald	952-445-3333	
Radio Station	WCCO	612-370-0611	651-989-9226
School Superintendent	Jim Bauck	952-556-6110	
Property & Casualty Insurance	LMNCIT	651-268-6993	

Critical Water Users	Name	Work Telephone	Alternate Telephone
Hospital Critical Use:	Two Twelve Medical Center	952-361-2447	
Nursing Home Critical Use:	Auburn Manor	952-448-9303	
Public Shelter Critical Use:			

APPENDIX 6: COOPERATIVE AGREEMENTS FOR EMERGENCY SERVICES

No written cooperative agreements exist for potential emergency water services.

APPENDIX 7: MUNICIPAL CRITICAL WATER DEFICIENCY ORDINANCE

Section 08. Turning on water.

No person except an authorized City employee, shall turn on any water supply at any valve or stop box without a permit from the Public Utilities Department. (Ord. No. 211, Sec. 3, 4/16/73)

Section 09. Deficiency in supply of water and shutting off water.

The City is not liable for any deficiency or failure in the supply of water to consumers, whether occasioned by shutting the water off for the purpose of making repairs or connections, or from any other cause whatsoever. In case of fire, or alarm of fire, water may be shut off to insure a supply for fire fighting, or in making repairs of construction of new works, water may be shut off at any time and kept shut off so long as necessary. (Ord. No. 211, Sec. 3, 4/16/73)

Section 10. Restricted hours of use of water.

Use of the City water supply system for lawn and garden sprinkling, irrigation, car washing or other non-potable uses shall be limited to an odd/even schedule corresponding to property address effective each year from May 1 to September 30. Whenever the City Council shall determine that a shortage of water threatens the City, it may, by Resolution, limit the times and hours during which water may be used from the City water supply; said Resolution shall state the date upon which it shall become effective, and shall be made public through whatever means of communication the Council deems appropriate and reasonable. The Public Utilities Superintendent may, on a temporary basis, issue a total ban on above water uses, without prior approval from the City Council, after contacting the City Administrator. Twenty-four (24) hours after said Resolution becomes effective any water customer who shall cause or permit water to be used in violation of said resolution shall be deemed in violation of this section and shall be subject to the penalties as set forth in Section 08 of Chapter 1. Each day said violation continues shall be considered a separate and distinct violation hereof; continued violation is hereby prohibited and shall be cause of discontinuance of water service. Special permit consideration will be given for those property owners with new seed or sod. (Ord. No. 588, Sec 1, 11-20-95)

Section 11. Connection beyond City boundaries.

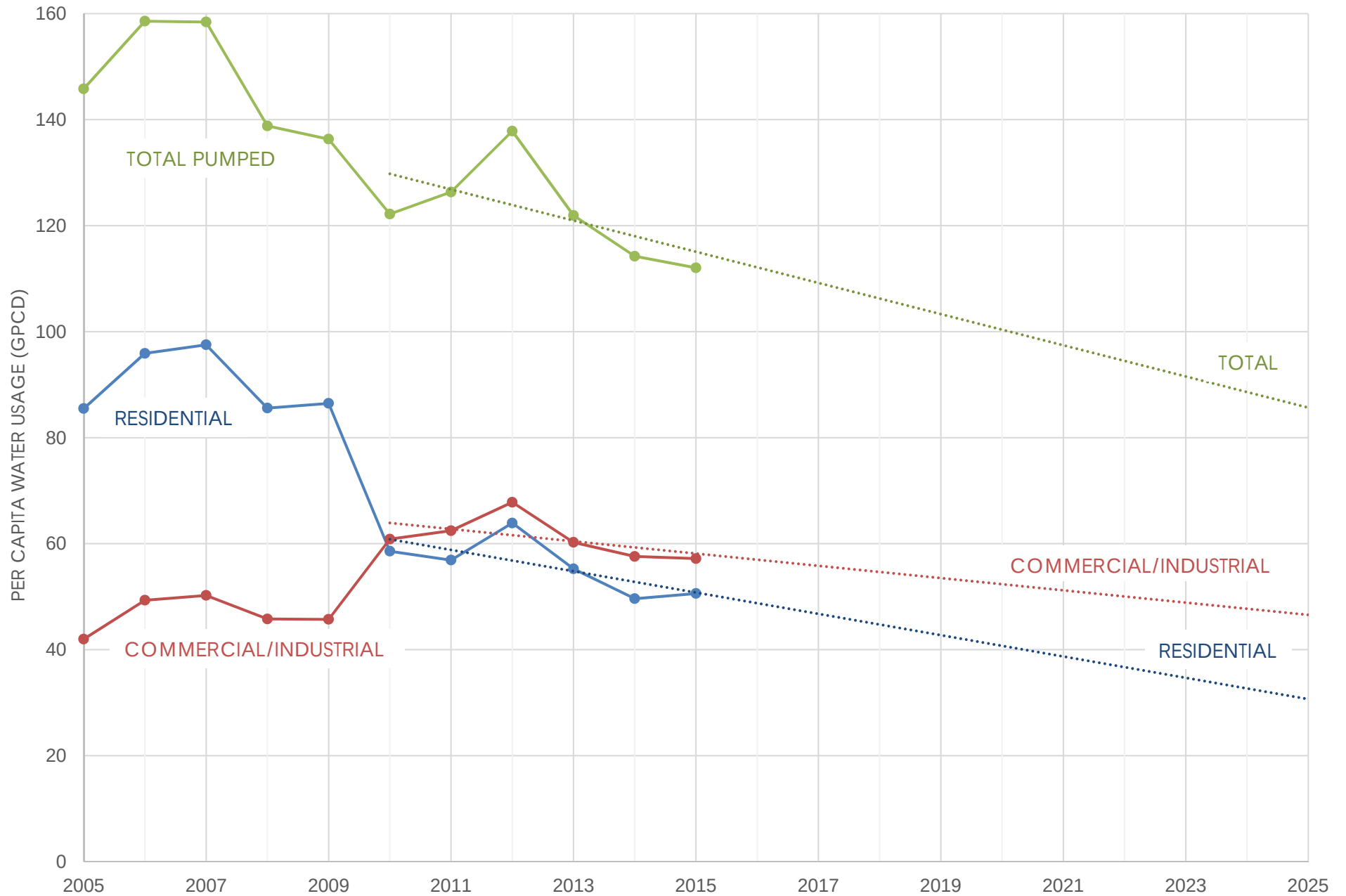
Any and all connections located outside the City to the municipal water system made pursuant to agreement with the appropriate governing bodies shall be made in accordance with the applicable ordinance of the City. (Ord. No. 211, Sec. 3, 04-16-73)

Section 12. Time for connection.

If, for any cause, the plumber laying the service pipe shall fail to have the connection made at the time specified in his application, notice shall be given the Public Utilities Department fixing another day on which he wishes to make the connection. The notice must be given at least two (2) days previous to the excavation for laying the service pipe, and the connection must be made before 4:00 p.m. except in special cases, and then the work shall be done only upon a written order for the Public Utilities Department. (Ord. No. 211, Sec. 4, 4/16/73)

**APPENDIX 8: GRAPH SHOWING ANNUAL PER CAPITA WATER DEMAND
FOR EACH CUSTOMER CATEGORY DURING THE LAST TEN-YEARS**

CITY OF CHASKA PER CAPITA WATER USAGE



APPENDIX 9: WATER RATE STRUCTURE

WATER UTILITY

The following is a synopsis of Water Utility rates and charges per Ordinance 910 adopted January 4, 2016.

BASIC WATER RATES (per billing period)

<u>Residential</u>	
<i>Consumption:</i>	
0 to 7,000 gallons	\$2.27 per thousand gallons
7,001 to 20,000 gallons	\$2.39 per thousand gallons
20,001 to 30,000 gallons	\$2.58 per thousand gallons
30,001 to 40,000 gallons	\$2.90 per thousand gallons
Above 40,001 gallons	\$3.43 per thousand gallons

<u>Commercial</u>	
<i>Consumption:</i>	
0 to 20,000 gallons	\$1.92 per thousand gallons
Above 20,001 gallons	\$2.05 per thousand gallons

<u>Industrial</u>	
<i>Consumption:</i>	
0 to 90,000 gallons	\$1.70 per thousand gallons
Above 90,001 gallons	\$1.84 per thousand gallons

<u>City of Chaska</u>	
<i>Consumption:</i>	
0 to 7,000 gallons	\$1.49 per thousand gallons
7,001 to 20,000 gallons	\$1.56 per thousand gallons
20,001 to 30,000 gallons	\$1.68 per thousand gallons
30,001 to 40,000 gallons	\$1.90 per thousand gallons
Above 40,001 gallons	\$2.23 per thousand gallons

<u>Irrigation Only Meters</u>	
<i>Consumption:</i>	
0 to 20,000 gallons	\$2.43 per thousand gallons
20,001 to 40,000 gallons	\$2.90 per thousand gallons
Above 40,001 gallons	\$3.43 per thousand gallons

MONTHLY FLAT CHARGES

<u>Meter Size</u>	<u>Monthly Flat Rate per Occupancy Unit</u>	<u>Flat Rate for Safe Drinking Water</u>
5/8 inch to 3/4 inch	\$2.65	\$0.53
1 inch	\$3.60	\$0.53
1 1/2 inch	\$4.50	\$0.53
2 inch	\$7.25	\$0.53
3 inch	\$27.50	\$0.53
4 inch	\$35.05	\$0.53
5 inch	\$43.75	\$0.53
6 inch	\$52.50	\$0.53

<u>Bulk Water (Hydrant)</u>	\$5.50 per thousand gallons
-----------------------------	-----------------------------

SEWER UTILITY

The following is a synopsis of Sewer Utility rates and charges per Ordinance 911 adopted January 4, 2016.

METERED SERVICE

All gallons per month-----\$3.89 per thousand gallons
(based on gallons of water used)

MINIMUM CHARGES

Residential-----\$8.95 per month
Commercial-----\$8.95 per month
Industrial-----\$38.60 per month
Sewer Rental Fee---\$20.50/month
Pumping Fee---\$6.65/month

MAXIMUM CHARGES

The sewer maximum charge shall be applied to all single family residential customers. The charge each month shall be based on the average number of gallons for the months of the previous December through and including April, adjusted to 105% of average, or the current month, whichever is less.

STORMWATER UTILITY

The following is a synopsis of Stormwater Utility charges per Resolution 16-02 adopted January 4, 2016.

RESIDENTIAL EQUIVALENCY FACTOR (REF)-----\$5.68

The Stormwater Utility charge for parcels other than single-family residential shall be calculated using the Classification of Land Use Residential Equivalency Factor (in accordance with Ordinance No. 853 adopted September 12, 2011); multiplied by the REF rate listed above, multiplied by the acreage of the parcel.

MINIMUM MONTHLY CHARGE-----\$1.00

**APPENDIX 10: ADOPTED OR PROPOSED REGULATIONS TO REDUCE
DEMAND OR IMPROVE WATER EFFICIENCY**

Section 08. Turning on water.

No person except an authorized City employee, shall turn on any water supply at any valve or stop box without a permit from the Public Utilities Department. (Ord. No. 211, Sec. 3, 4/16/73)

Section 09. Deficiency in supply of water and shutting off water.

The City is not liable for any deficiency or failure in the supply of water to consumers, whether occasioned by shutting the water off for the purpose of making repairs or connections, or from any other cause whatsoever. In case of fire, or alarm of fire, water may be shut off to insure a supply for fire fighting, or in making repairs of construction of new works, water may be shut off at any time and kept shut off so long as necessary. (Ord. No. 211, Sec. 3, 4/16/73)

Section 10. Restricted hours of use of water.

Use of the City water supply system for lawn and garden sprinkling, irrigation, car washing or other non-potable uses shall be limited to an odd/even schedule corresponding to property address effective each year from May 1 to September 30. Whenever the City Council shall determine that a shortage of water threatens the City, it may, by Resolution, limit the times and hours during which water may be used from the City water supply; said Resolution shall state the date upon which it shall become effective, and shall be made public through whatever means of communication the Council deems appropriate and reasonable. The Public Utilities Superintendent may, on a temporary basis, issue a total ban on above water uses, without prior approval from the City Council, after contacting the City Administrator. Twenty-four (24) hours after said Resolution becomes effective any water customer who shall cause or permit water to be used in violation of said resolution shall be deemed in violation of this section and shall be subject to the penalties as set forth in Section 08 of Chapter 1. Each day said violation continues shall be considered a separate and distinct violation hereof; continued violation is hereby prohibited and shall be cause of discontinuance of water service. Special permit consideration will be given for those property owners with new seed or sod. (Ord. No. 588, Sec 1, 11-20-95)

Section 11. Connection beyond City boundaries.

Any and all connections located outside the City to the municipal water system made pursuant to agreement with the appropriate governing bodies shall be made in accordance with the applicable ordinance of the City. (Ord. No. 211, Sec. 3, 04-16-73)

Section 12. Time for connection.

If, for any cause, the plumber laying the service pipe shall fail to have the connection made at the time specified in his application, notice shall be given the Public Utilities Department fixing another day on which he wishes to make the connection. The notice must be given at least two (2) days previous to the excavation for laying the service pipe, and the connection must be made before 4:00 p.m. except in special cases, and then the work shall be done only upon a written order for the Public Utilities Department. (Ord. No. 211, Sec. 4, 4/16/73)

APPENDIX 11: IMPLEMENTATION CHECKLIST

Appendix 11. Implementation Checklist

Water Supply Plan Section	Page	Water Supply Plan Action	Implementation Status/Date
Part 1E Appendix 2	10	Well Level Monitoring Plan for hourly data collection and planned monitoring wells as detailed in Appendix 2.	Ongoing
Part 1E	14	Complete ongoing update of Chaska Wellhead Protection Plan.	2017
Part 3 Part 3E	24 36	Continue Meter Leak Alert Program: Immediately notify customers of detected leak through automatic meter system.	Ongoing
Part 3B, Obj. 1	26	Maintain current low unaccounted for water percentage. Identify and repair leaks immediately.	Ongoing
Part 3B, Obj. 2	27	Revise water ordinance to limit irrigation. Eliminate day time irrigation (no watering between noon and 4 pm.	2017
Part 3B, Obj. 2	27	Infrastructure improvements to prevent water loss through preventative maintenance and proactive replacement of water system infrastructure.	Ongoing
Part 3B, Obj. 1 Part 3B, Obj. 2	28 28	Existing Meter Leak Alert Program to detect spikes in consumption at residential and nonresidential customers; daily response to alerts.	Ongoing
Part 3B, Obj. 3 Part 3E	28 35	Train Utility employees to provide conservation education to customers.	2017
Part 3B, Obj. 4	29	Existing per capita water demand trends are trending downward. Continue to monitor per capita demand.	Ongoing
Part 3B, Obj. 5	29	Monitor and maintain the maximum day demand to average day demand ratio below the DNR target of 2.6.	Ongoing
Part 3B, Obj. 6	30	City of Chaska water rate structure promotes conservation.	Ongoing
Part 3B, Obj. 7	32	No new private wells within the City USA and once municipal water service is available private wells not allowed for domestic use (Ordinance 25).	Ongoing
Part 3C	33	Water efficient plumbing fixtures and irrigation rainfall sensors required by existing Federal Law and State Statue, respectively.	Ongoing
Part 3C	33	Critical/Emergency Water Deficiency ordinance in place (Ordinance 25).	Ongoing
Part 3C	33	Water Restriction Requirements as detailed in Ordinance 25.	Ongoing
Part 3C	33	Soil preparation requirements: Carver County requires a minimum of 6" of topsoil and standards for topsoil borrow.	Ongoing
Part 3E	35	Billing inserts included seasonally to educate customers on irrigation restrictions and associated fines for violation.	Ongoing
Part 3E	35	Consumer confidence report to include water quality and water conservation topics for customer education.	Ongoing
Part 3E	35	Traditional press releases during declared emergencies.	During emergencies
Part 3E	35 36	Water conservation education, water restriction information, and emergency notices distributed through social media.	Ongoing
Part 3E	35	Providing water utility and water conservation education during facility tours for customers and general public.	Ongoing
Part 3E	35	General water conservation literature provided at Utility and City Hall.	Ongoing
Part 3E	36	Leak identification and water conservation topics on City website. www.chaskamn.com	Ongoing Expand in 2017
Part 3E	36	Develop emergency conservation notices ahead of emergency so documents are ready for distribution in an emergency.	Ongoing
Part 3E	36	Bundle conservation materials and have available for when customers request information on conservation or how to reduce their water bill.	2017



Division of Ecological and Water Resources
1200 Warner Road
St. Paul, MN 55106

January 9, 2019

Matt Haefner
Water and Sewer Superintendent
City of Chaska
660 Victoria Drive
Chaska, MN 55318

Dear Mr. Haefner,

The Department of Natural Resources (DNR) has completed the review of the City of the revised Chaska Water Supply Plan received on February 15, 2017, for the public water supply system authorized under DNR Water Appropriation Permit 1975-6124. I am pleased to inform you that in accordance with Minnesota Statutes, Section 103G.291, Subdivision 3, and on behalf of the Commissioner of the DNR, **I hereby approve the City of Chaska Water Supply Plan.** We encourage the City of Chaska to complete the attached "Certification of Adoption" form. Please upload the completed form to the MPARS – Water Supply Plan tab as soon as the City of Chaska officially adopts the City of Chaska Water Supply Plan.

Attached to this letter is a copy of a Water Supply Plan Review checklist containing comments by both the DNR and the Metropolitan Council. These comments should be used to improve the City of Chaska Water Supply Plan and improve the management of the City of Chaska Water Supply System.

The Metropolitan Council has requested that the following comments be sent to the City of Chaska concerning the City of Chaska Water Supply Plan:

- Please see the Metropolitan Council comments in Section 4D of the attached Local Water Supply Plan Approval Checklist regarding Table 32 and source water protection. This section could be improved by discussing a plan for source water protection coordination with neighboring communities.
- If changes are made to the City of Chaska Water Supply Plan resulting from DNRs' review of the plan, or from changes during the full comprehensive plan update – such as changes to forecasts – the City of Chaska will need to provide the Metropolitan Council and the DNR with the updated information when it submits its 2018 comprehensive plan.
- Within 30 days following the adoption of your community's local comprehensive plan, of which this local water supply plan is a part, please adopt and submit copies of the local controls identified in the plan to the Metropolitan Council as required by Minnesota Statutes 473.865.

- If you have any questions about the Metropolitan Council's review comments or process, please feel free to contact Ali Elhassan at (651) 602-1066, or John Clark at (651) 602-1452.

Table 12 of the City of Chaska Water Supply Plan indicates that the City of Chaska will construct a new well (Installation No. 10) within the next ten years. Table 7 of the City of Chaska Water Supply Plan indicates that the City of Chaska water use will exceed the currently authorized volume of DNR Water Appropriation Permit 1975-6124 of 1638 million gallons per year by the year 2040. Please note that approval of the City of Chaska Water Supply Plan is not a pre-approval of either the proposed well or the projected water use volume for 2040. Before constructing the new well, a well construction preliminary assessment must be submitted to the DNR. Within five years before exceeding the authorized volume of 1638 million gallons per year, the City of Chaska will need to apply for an amendment to DNR Water Appropriation Permit 1975-6124. The DNR will evaluate the well construction preliminary assessments and the permit amendment request against the most current laws, conservation information, and geologic information available at the time of the requests before making a decision on the requests.

We commend the City of Chaska for working pro-actively with the DNR in planning and constructing the observation wells that are required by DNR Water Appropriation Permit 1975-6124. The DNR Groundwater Specialist that reviewed the City of Chaska Water Supply Plan has requested that the DNR and City of Chaska should continue to partner on determining the location and aquifer of the new well (Installation No. 10).

Thank you for your efforts in planning for the future of the City of Chaska water supply and for conserving the water resources of the State of Minnesota. If you have any questions or need additional assistance with the City's appropriation permit, please contact Hydrologist Sara Mielke at (651) 259-5879 or Sara.Mielke@state.mn.us or me at (651) 259-5877.

Sincerely,



Joe Richter
District Appropriations Hydrologist
Minnesota Department of Natural Resources

CC: Raya Esmaeili, Metropolitan Council Reviews Coordinator
Ali Elhassan, Metropolitan Council
Carmelita Nelson, DNR Water Supply Plan Coordinator
Jeanne Daniels, EWR South District Manager
Jennie Skancke, EWR Area Hydrologist

Equal Opportunity Employer

CITY OF CHASKA
CARVER COUNTY, MINNESOTA
RESOLUTION

DATE: 1/28/2019 **RESOLUTION NO.** 2019-05

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

A Resolution Adopting
The Chaska Water Supply Plan

WHEREAS, by state statute all public water suppliers that serve more than 1000 people and/or all cities in the 7-county metro must have a water supply plan.

WHEREAS, Chaska's existing Water Supply Plan was approved in 2009.

WHEREAS, Chaska submitted its final and updated Water Supply Plan on February 15, 2017.

WHEREAS, Minnesota Department of Natural Resources approved the updated plan on January 9, 2019.

WHEREAS, a condition of final approval is formal adoption of the plan by the municipality.

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of Chaska, Minnesota, does hereby adopt the Chaska Water Supply Plan.

FURTHER, BE IT RESOLVED, that the Mayor and City Administrator are authorized to adopt the Chaska Water Supply Plan.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 28th day of January, 2019.

Mark Windschitl, Mayor

Attest _____
Chaska Deputy Clerk

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
01/28/2019**

Subject: Solicitor Permits for Shay Enterprises Inc.

Prepared By: Denise Wetzel, Senior Clerk

The following individuals have made application for individual solicitor permits on behalf Shay Enterprises Inc., a carpet cleaning business, located at 1084 Hwy 3 South, Northfield, Minnesota, 55057. The permits will allow them to go door-to-door in our residential neighborhoods to solicit carpet shampoo system services.

This is the first time they will be soliciting in our community. They have provided the required paperwork and paid the \$40 fee per individual.

Permit #	Name
19-01	Michael Sanchez
19-02	Travis Wilson

CITY COUNCIL ACTION REQUESTED

Motion to adopt Resolution, approving Solicitor Permit Nos. SOL.19-01 and SOL.19-02, for the above representatives of Shay Enterprises Inc., located at 1084 Hwy 3 South, Northfield, Minnesota, 55.57, for the period of January 28, 2019, through December 31, 2019.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE 01/28/2019 **RESOLUTION NO.** 2019-06

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**Resolution Approving Solicitor Permit for Michael Sanchez and Travis Wilson
of Shay Enterprises Inc.**

WHEREAS, Michael Sanchez and Travis Wilson representing Shay Enterprises Inc, 1084 Hwy 3 South, Northfield MN 55057, have made application for solicitor permits, pursuant to Chaska Ordinance No. 291;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Chaska, Minnesota, that the request for solicitor permits from Michael Sanchez and Travis Wilson of Shay Enterprises Inc., out of Northfield, Minnesota, allowing them to go door-to-door in the City Limits of Chaska soliciting business clients, effective January 28, 2019 and ending December 31, 2019, is hereby approved subject to the following conditions:

1. Failure to comply with any of the conditions of this license or the Chaska Code of Ordinances, Chapter 12, Article 11, Sections 31-42, shall result in immediate revocation of said permit.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 28th day of January, 2019.

Mark Windschitl, Mayor

Attest _____
Deputy Clerk

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
01/28/2019**

Subject: Transient Permit – Laura Engelby

Prepared By: Denise Wetzel, Senior Clerk

Laura Engelby, of 1065 Rosemary Ct, Chaska MN, 55318 has made application to sell smoothies and fruit juice bars at Hazeltine National Golf Course located at 1900 Hazeltine Blvd, Chaska. She has the permission of Jan Knudtson, Sales and Catering Director of Hazeltine and intends to conduct business on February 28, 2019.

The required paperwork and fee of \$40 per location has been processed.

CITY COUNCIL ACTION REQUESTED

Motion to adopt Resolution approving Transient Permit No. TRA.19-01 for Laura Engelby of 1065 Rosemary Ct, Chaska, 55318 to sell smoothies and fruit juice bars at Hazeltine National Golf Course, located at 1900 Hazeltine Blvd, Chaska on February 28, 2019.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE 01/28/2019 **RESOLUTION NO.** 2019-07

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**Resolution Approving Transient Permit for Laura Engelby of
Smooth Move**

WHEREAS, Laura Engelby of Smooth Move has made application for a transient permit, pursuant to Chaska Ordinance No. 291;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Chaska, Minnesota, that the request for a transient permit for Laura Engelby of Smooth Move of 1065 Rosemary Ct, Chaska, MN 55318, which would allow the vending of smoothies and fruit juice bars from Hazeltine National Golf Course for the day of February 28th is hereby approved subject to the following conditions:

1. Failure to comply with any of the conditions of this license or the Chaska Code of Ordinances, Chapter 12, Article 11, Sections 31-42, shall result in immediate revocation of said permit.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 28th day of January 2019.

Mark Windschitl, Mayor

Attest: _____
Deputy Clerk

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
01/28/2019**

Subject: Transient Permit – Amy Varab

Prepared By: Denise Wetzel, Senior Clerk

Amy Varab of 815 4th Ave. E, Shakopee MN, 55379 has made application to sell hot dog, kettle corn and misc. treats in the parking lot at Dolce Vita Wine Shop located at 3115 Chaska Blvd, Chaska. She has the permission of Dan Keyport, Owner of Dolce Vita Wine Shop and intends to conduct business throughout the year weather permitting.

The required paperwork and fee of \$40 per location has been processed.

CITY COUNCIL ACTION REQUESTED

Motion to adopt Resolution approving Transient Permit No. TRA.19-02 for Amy Varab of 815 4th Ave. East, Shakopee, 55379 to hot dogs, kettle corn and misc. treats in the parking lot at Dolce Vita Wine Shop, located at 3115 Chaska Blvd, Chaska throughout the year.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE 01/28/2019 **RESOLUTION NO.** 2019-08

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**Resolution Approving Transient Permit for Amy Verab of
The Weenie Wagon Kettle Kravings**

WHEREAS, Amy Verab of The Weenie Wagon Kettle Kravings has made application for a transient permit, pursuant to Chaska Ordinance No. 291;

NOW, THEREFORE, BE IT RESOLVED by the City Council of the City of Chaska, Minnesota, that the request for a transient permit for Amy Verab of The Weenie Wagon Kettle Kravings of 815 4th Ave. East, Shakopee, MN 55379, which would allow the vending of hot dogs, kettle corn and misc. treats from the parking lot of Dolce Vita Wine Shop throughout the year is hereby approved subject to the following conditions:

1. Failure to comply with any of the conditions of this license or the Chaska Code of Ordinances, Chapter 12, Article 11, Sections 31-42, shall result in immediate revocation of said permit.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 28th day of January 2019.

Mark Windschitl, Mayor

Attest: _____
Deputy Clerk

**REQUEST FOR ACTION
CHASKA CITY COUNCIL
01/28/2019**

Subject: Massage Therapy Registration – Gina Werremeyer

Prepared By: Denise Wetzel, Senior Clerk

Gina Werremeyer, 1242 Crystal Place East, Chaska, Minnesota has made application to register as a Massage Therapist which will allow her to work as a massage therapist out of Chaska Family Chiropractic at 103 W 2nd Street in Chaska. She has provided the necessary documentation and paid the fee.

Staff recommends approval of the registration application.

CITY COUNCIL ACTION REQUESTED

Motion to approve Massage Therapy Registration No. MTR-19-06 to allow Gina Werremeyer to practice Therapeutic Massage out of Chaska Family Chiropractic at 103 W 2nd Street.

REQUEST FOR ACTION CHASKA CITY COUNCIL January 28, 2019

Subject: **Appointment of Human Rights Commission Chair and Vice-Chair**

Prepared By: Nate Kabat, Assistant City Administrator

Background

City Ordinance states that the City Council is to appoint the Chairperson and Vice-Chairperson for the Human Rights Commission. The Council has historically relied on the members of the Human Rights Commission to recommend individuals for these two positions in order to make the appointments. For calendar year 2018, Jen Welvaert served as Chair and Judy Dunbar served as Vice-Chair.

On January 24, 2019 the Human Rights Commission voted to recommend Jen Welvaert as Chairperson and Sarah Carlson as Vice-Chairperson. The Human Rights Commission seeks Council approval of its recommendation.

CITY COUNCIL ACTION REQUESTED

Motion to appoint Jen Welvaert as Human Rights Commission Chairperson and to appoint Sarah Carlson as Human Rights Commission Vice-Chairperson.

REQUEST FOR ACTION CHASKA CITY COUNCIL 1/28/2019

Subject: **Ward 2 Vacancy**

Prepared By: Nate Kabat, Assistant City Administrator

Background

At the January 7, 2019 Council Meeting, Council adopted Resolution 2019-2 accepting the resignation of Councilmember Greg Boe and officially declaring a vacancy for the Ward 2 Council. Greg Boe needed to resign from the seat because he was elected State Representative and was sworn into that position on January 8th, 2019.

At the January 7th meeting Council received a request from residents to consider holding a Special Election as opposed to the appointment process defined in State Statute to fill the Ward 2 vacancy. This was related to the petition that was previously submitted to request a Special Election be held for Ward 2 and the previous Ward 4 vacancy. Responding to the request, City Council requested that Staff gather information on Special Elections vs Appointments of Council seats and report this information back to City Council in a Work Session to be held ahead of the January 28th Council Meeting.

Important to the context of the Ward 2 vacancy is that the Ward 4 Council Seat was officially declared vacant on October 3, 2018 as Jay Rohe needed to resign seat because of his move out of Ward 4. At that meeting, Council decided to go the route defined in State Statute to appoint a resident of Ward 4 to fill the vacancy until the next Election. To complete that process, the City advertised for a period of approximately 30 days to solicit applications of residents interested in the appointment. Four applications are received, with the City Council completing interviews and appointing Mike Huang to fill this vacancy at the November 19, 2018 Council Meeting. A petition was submitted at the November 19, 2018 Council Meeting by individuals requesting a Special Election be held for not only Ward 4, but also the upcoming Ward 2 vacancy as well.

Update

A Work Session will be held ahead of the January 28, 2019 Council Meeting to discuss the options of appointment versus special election for the Ward 2 vacancy. The attached Memo from the City Attorney's Office interprets state statute and other legal considerations as they relate to the options being considered for the Ward 2 vacancy.

Additionally, the City Administrator presented to the City Council to discuss the contents of the City Attorney's memo in addition to administrative considerations of the options being considered to fill the Ward 2 vacancy.

Recommendation

Based on the factors outlined in the City Attorney's memo and the City Administrator's presentation, Staff and Legal Counsel recommend utilizing an appointment process for filling the Ward 2 vacancy for the following reasons:

- An appointment is the clearly defined legal process prescribed in State Statute, and therefore has the least legal risks associated with it.
- An appointment is consistent with how the previous Council addressed the Ward 4 vacancy and how most vacancies, except for the 2010 Mayor's vacancy, have been dealt with by past Chaska City Councils
- An appointment avoids the logistical challenges and costs associated with a Special Election Process

If the Council decides to go forward with a Special Election, Staff and Legal Counsel recommend that both the Ward 2 and Ward 4 seats get included in this election process so that both vacancies are filled in a consistent manner

The City Attorney has determined that Council Member Huang would need to recuse himself from the decision on whether to hold a Special Election, as it has been determined he would have a conflict of interest.

CITY COUNCIL ACTION REQUESTED

Motion to fill the Ward 2 vacancy through an appointment process consistent with State Statute, and direct staff to advertise for candidates to interview in preparation for a February 25th appointment.

OR

Motion to:

- Fill the vacancies through a Special Election process, and direct staff to prepare an ordinance for Council to adopt on February 25th establishing a Special Election to be held on May 14, 2019 for Ward 2 and Ward 4.
- And direct staff to temporarily fill the Ward 2 vacancy through an appointment process consistent with State Statute, and direct staff to advertise for candidates to interview in preparation for a February 25th appointment.

REQUEST FOR ACTION CHASKA CITY COUNCIL 1/28/2019

**Subject: 2019 Street/Utility Reconstruction Project
Public Improvement Hearing**

Prepared By: Matt Clark, City Engineer

The attached feasibility report was accepted by Council on December 17, 2018, that details the street and utility improvements for the streets programmed for reconstruction in 2019. This year's proposed project plans to include the blocks shown in red on the attached map for the 2019 Downtown Reconstruction Project. The planned improvements are consistent with past projects in the downtown area and include removal and replacement of sanitary sewer, water main, utility services, storm sewer, concrete curb, street, sidewalk and boulevard restoration. The nature and scope of this work always proves disruptive and a challenge to staff in terms of managing that disruption at an acceptable level.

As with previous projects, a neighborhood meeting was held in January to discuss the overall project with those properties being affected by this year's project. City staff continues to work closely with Auburn Manor and St. Johns on the timing of streets around the school year. This year's project, as with previous, proposes assessments that follow City policy for those properties benefited by construction. The draft assessments were presented at the neighborhood information meeting and are included in this packet for informational purposes. The final assessment roll will be presented later in February for consideration at a future hearing.

CITY COUNCIL ACTION REQUESTED

Motion to Adopt a Resolution, Ordering the 2019 Street & Utility Reconstruction Project; directing the City Engineer to prepare construction documents, and further, scheduling a Public Assessment Hearing for February 25, 2019.

**CITY OF CHASKA
CARVER COUNTY, MINNESOTA**

RESOLUTION

DATE 1/28/2019 **RESOLUTION NO.** 2019-09

MOTION BY COUNCILMEMBER _____ **SECOND BY COUNCILMEMBER** _____

**A Resolution Ordering the 2019 Street & Utility Reconstruction Project,
Authorizing Preparation of Construction Documents
and Establishing a Date for the Public Assessment Hearing**

WHEREAS, the 2019 Street & Utility Reconstruction Project Feasibility Study was accepted by City Council on December 17, 2018, and a Public Improvement Hearing was scheduled for January 28, 2019;

WHEREAS, ten days mailed notice and two weeks published notice of the hearing was given, and the hearing was held on the 28th day of January 2019, at which all persons desiring to be heard were given an opportunity to be heard thereon;

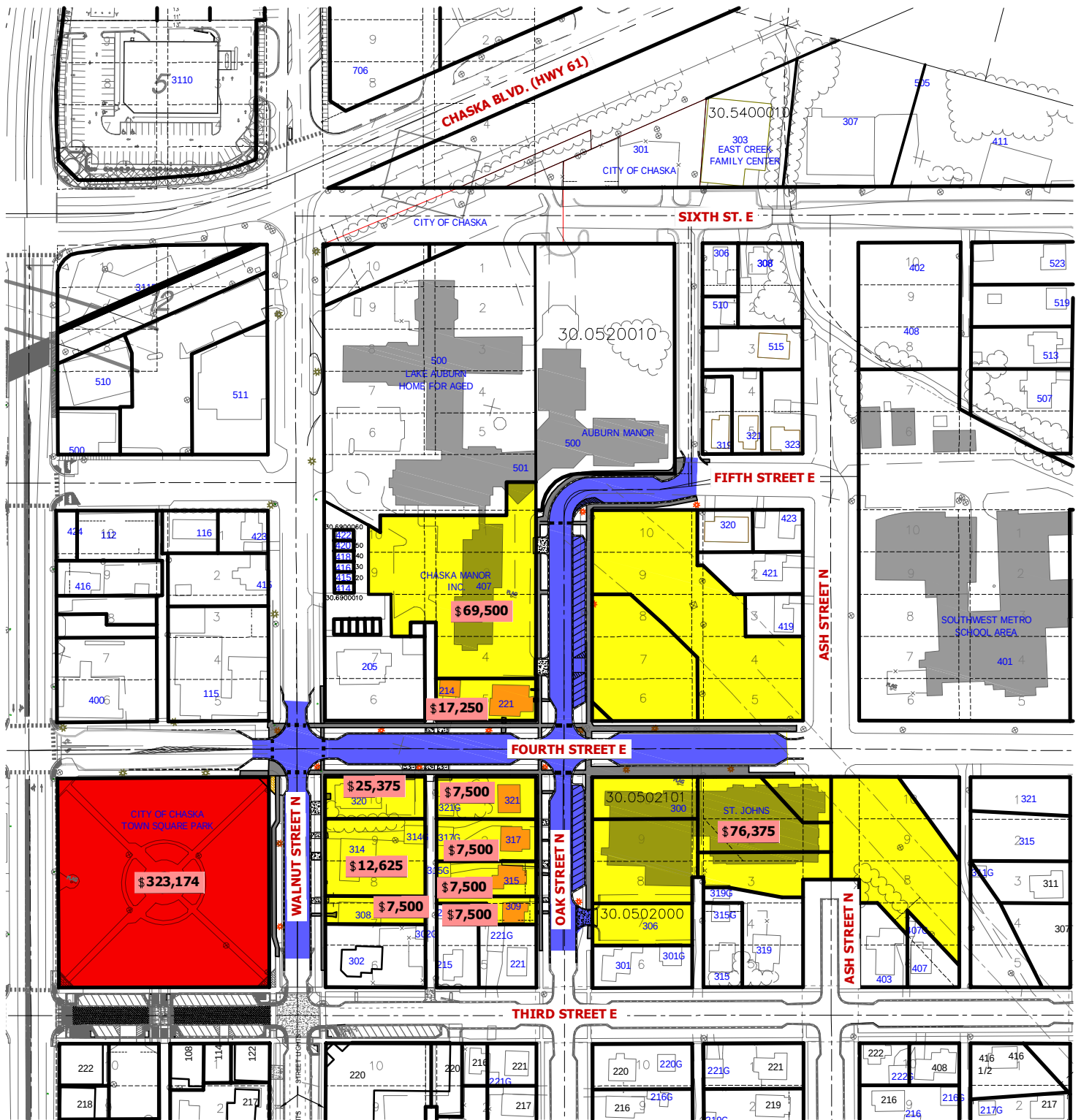
NOW, THEREFORE, BE IT RESOLVED, by the City Council of the City of Chaska, Minnesota, that said improvements are found to be necessary, cost-effective, and feasible and hereby orders said street improvements, and authorizes the City Engineer to prepare construction documents.

FURTHER BE IT RESOLVED, that a Public Assessment Hearing is scheduled for February 25, 2019, and the City Clerk is directed to mail and publish notices in accordance with provisions of Minnesota statutes.

Passed and adopted by the City Council of the City of Chaska, Minnesota, this 28th day of January 2019.

Mark Windschitl, Mayor

Attest _____
Deputy Clerk



- | | | | |
|---|-----------------------------|---|------------------------------|
|  | 2019 RESIDENTIAL ASSESSMENT |  | 2019 DOWNTOWN RECONSTRUCTION |
|  | 2019 COMMERCIAL ASSESSMENT |  | \$41,000 2019 ASSESSMENT |



0 100' 200'

2019 DOWNTOWN SPECIAL ASSESSMENTS EXHIBIT

CHASKA, MINNESOTA

FIGURE: 1



2335 Highway 36 W
St. Paul, MN 55113
www.stantec.com

2019 DOWNTOWN RECONSTRUCTION

Packet Page 132 of...



Report For

2019 Downtown Reconstruction Project

Prepared for:

City of Chaska, Minnesota



December 2018

Stantec Project No. 193804572



Stantec Consulting Services Inc.
2335 Highway 36 West, St. Paul MN 55113



December 12, 2018

Honorable Mayor and City Council
City of Chaska
One City Hall Plaza
Chaska, MN 55318

Re: 2019 Downtown Street Reconstruction Project
City of Chaska
Stantec Project No. 193804572

Dear Mayor and Council:

Enclosed please find our Report on the 2019 Downtown Street Reconstruction Project that will involve Oak, Walnut, Fourth Street and Fifth Streets for your review and comments. This report discusses the feasibility and economic impact of reconstruction of the streets and public utilities in this downtown Chaska neighborhood area.

We will be pleased to review this report with Staff and Council at any mutually convenient time.

Respectfully yours,

City of Chaska

Matthew Clark, P.E.
City Engineer

Stantec Consulting Services Inc.

Eric S. Lembke, P.E.
Project Manager

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.

Eric S. Lembke

Date: December 12, 2019 License No.: 42748

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Appendix A – 2019 Reconstruction Project – Project Costs

Appendix B – Typical Street Sections

Introduction

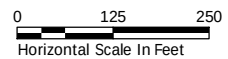
The City Council of Chaska has chosen to investigate the feasibility of reconstructing portions of Walnut, Oak, Fourth and Fifth Streets. Figure A-1 illustrates how the reconstruction program has progressed to date along with what streets in the program remain to be reconstructed. Figure A-2 shows the proposed streets to be improved this year as part of the 2019 Reconstruction Program. This neighborhood consists of single family residential, St. John's School & Church on Fourth and Oak, along with Auburn Manor Senior Living Campus on Oak Street.

All streets selected are a part of the City's Street Reconstruction Program that is part of Chaska's Comprehensive Pavement Management Program. Figure A-1 illustrates the past reconstruction projects completed in the downtown area.

The 2019 Reconstruction Project continues the order of the overall Downtown Street Reconstruction Program. The overall program is set up to reconstruct the streets from south to north as to follow the natural drainage patterns currently established for storm water and sanitary sewer in downtown.

The five blocks proposed to be reconstructed in 2019 serve multiple land uses. Walnut and Oak provides access to residential homes while Oak and Fourth provide service to St. John's Church & School along with Auburn Manor Senior Living Campus. All study area streets range in width from 44 to 55 feet wide with an 80 foot right of way. They all have concrete sidewalks along both sides with mature boulevard trees.

The roads in this 2019 project area are in very poor condition. This has led to significant annual maintenance costs for the City. Currently storm sewer does not exist in most of the project area. This lack of a conveyance and collection system has led to the further decline of the roadway surface. The sanitary sewer and water main in these areas have reached the end of what would be considered their typical design life. The sanitary sewer was installed nearly 100 years ago and the water main is over 80 years old. This holds true for the majority of Chaska's downtown water main sanitary sewer system. That is why utilities along the streets are scheduled to be replaced as part of the Chaska Capital Improvement Plan.



Project Elements

As part of the reconstruction of the 2019 project streets, there are some key project elements that need to be addressed. The following items will be reviewed and addressed in this report.

- Street Section/Layout
- Storm Sewer Improvements
- Water Main and Sanitary Sewer Improvements
- Water and Sanitary Sewer Service Improvements
- Sump Line Installation
- Street Lighting Improvements

Street Section

This section of the report will focus on upgrading the roadways from their existing condition to Chaska's 9-ton design section for Fourth Street and a 7-ton design section for the remaining streets. The existing conditions and proposed improvements are discussed in the following pages.

EXISTING STREET AND UTILITY CONDITIONS

Fourth Street is an existing designated State-Aid roadway in Chaska's State-Aid Program. All other proposed streets are classified as standard residential streets. Figure B-1 shows the existing conditions of the project streets and utilities. The five blocks of street range from 44 to 55 feet wide and serve various uses. Most of the streets have boulevards that contain concrete sidewalk along both sides with trees between the sidewalk and the street. A variety of landscaping items, including but not limited to trees, decorative landscaping, and carriage walks exist behind the curb. There are multiple private driveways that exist within the project limits. It is this project's intent to maintain access to the driveways for most of the construction period. There will be times when disruption of driveway access is unavoidable.

With limited garage and/or driveway parking available, residents use on-street parking along most streets in Downtown. On-street parking is not limited to overnight for residents. Parallel parking is present along all streets in the project area and is heavily relied upon throughout the day for school parking and visitor parking for Auburn Manor.

No major street improvements have occurred on any of the roadways south of Fourth Street and they are well beyond their design life. Patching the streets is no longer practical or cost effective. The existing street profiles are very inconsistent and contain locations where water does not drain. Storm water drainage pools in the existing roadway and along pavement edges as previously mentioned. This can be remedied with the construction of a consistent roadway profile and new curb and gutter to direct and convey storm water runoff.



Broken Sidewalks



Distressed Pavement

The existing boulevards contain sidewalk on both sides of the street throughout the entire project. The pedestrian ramp access at intersections do not meet current ADA standards and are in poor condition or non-existent throughout the majority of the streets. The concrete walk that does exist ranges from 4 feet to 5 feet in width. The sidewalk in many areas is uneven and cracked. This poses a safety hazard for pedestrians as well as a maintenance problem for residents as they shovel.

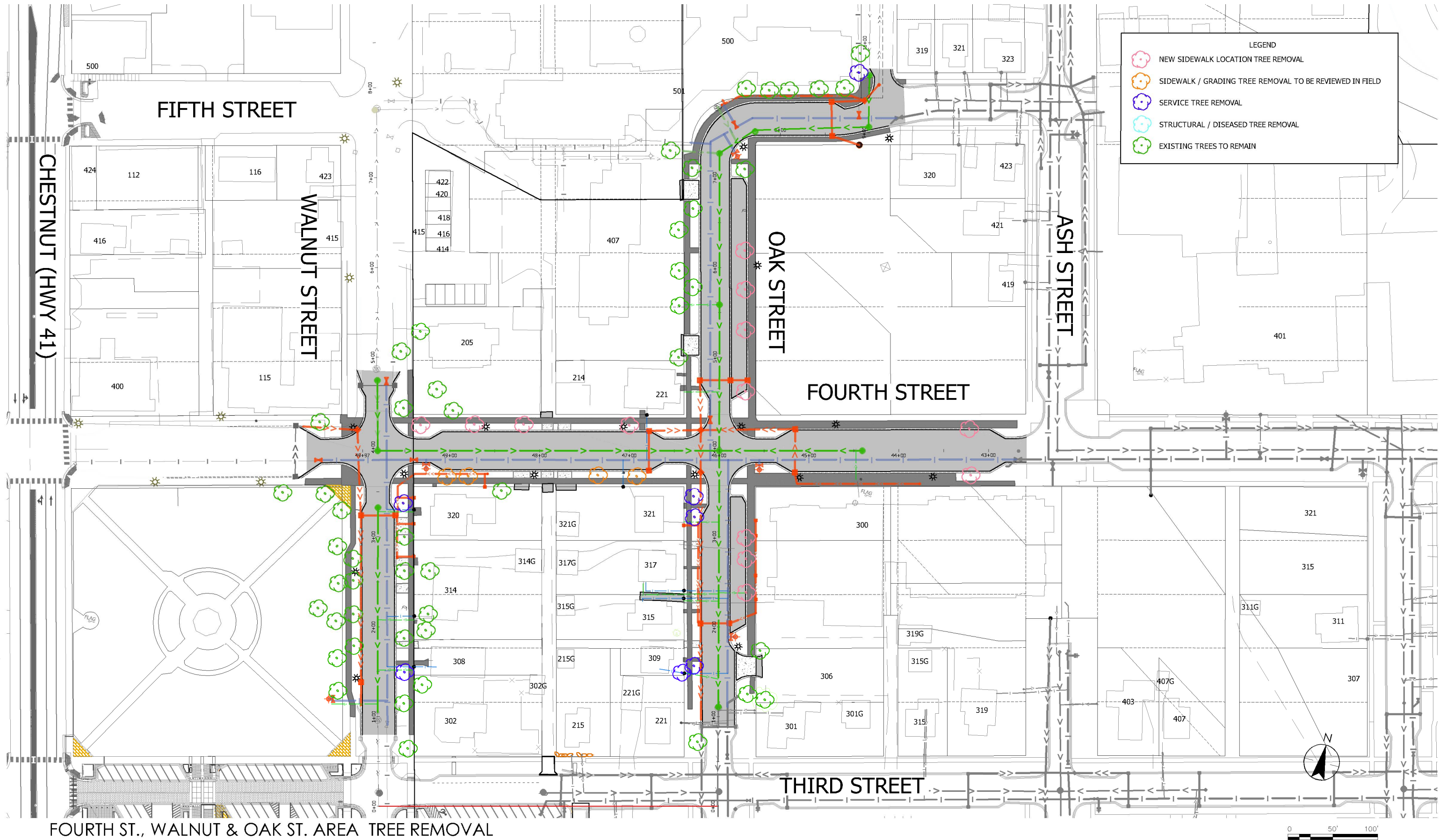


Non-compliant Pedestrian Ramps



Non-compliant Pedestrian Ramps

Figure C-1 illustrates the trees that will be impacted in some form by construction as well as those that may remain. Following approval of the design, City Staff will be working with residents along with St. John's Lutheran Church/School and Auburn Manor individually to identify the impacts of construction. The project is planned to have only select trees removed. Based on the final design and tree impacts, residents, the Church/ School, and Senior Living campus will be provided options for their boulevard and tree replacements.



CITY OF CHASKA, MINNESOTA

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FIGURE C-1

PROPOSED STREET SECTION LAYOUT IMPROVEMENTS

The following figures D-1 through D-6 show overall layouts of the proposed street improvements for the streets within each project area. Figures G-1 through G-3 which are in Appendix B at the end of the report show each planned street improvement in more detail. In general, the existing streets are being narrowed to match the concept of the 2012 Downtown Master Plan document that was previously adopted. On average Residential streets will narrow to 38' face to face while Commercial or Signature streets will remain very close to their present street width.

As previously mentioned, Fourth Street is designated as a State-Aid route from Beech to Hickory. In the City of Chaska's Downtown Master Plan, Second and Fourth Street are designated as Signature Streets. Signature Streets originally proposed a center median island to help with the character designation of the corridor. During the design process of the reconstruction of Second Street, it was decided to eliminate the center median concept and increase the street width section and improve and enhance the boulevard area instead. With Second and Fourth Street, both have institutional type uses along its corridor; it was proposed to increase the drive lane and parking lanes to improve safety. Traffic movements for the additional activity generated by these institutions, with drop off and pick up activities of cars and school busses activity, the decision was made to increase the width of the driving lanes and parking lanes to help accommodate that activity. By eliminating the center median, more space is devoted to the roadway function and still maintaining a sizable boulevard for landscaping purposes. For this project, Fourth Street is proposed to follow the same layout as completed for Second Street. Fourth Street, being designated as a State-Aid corridor, must also be designed to a 9-ton street section, which will require an additional inch of bituminous.

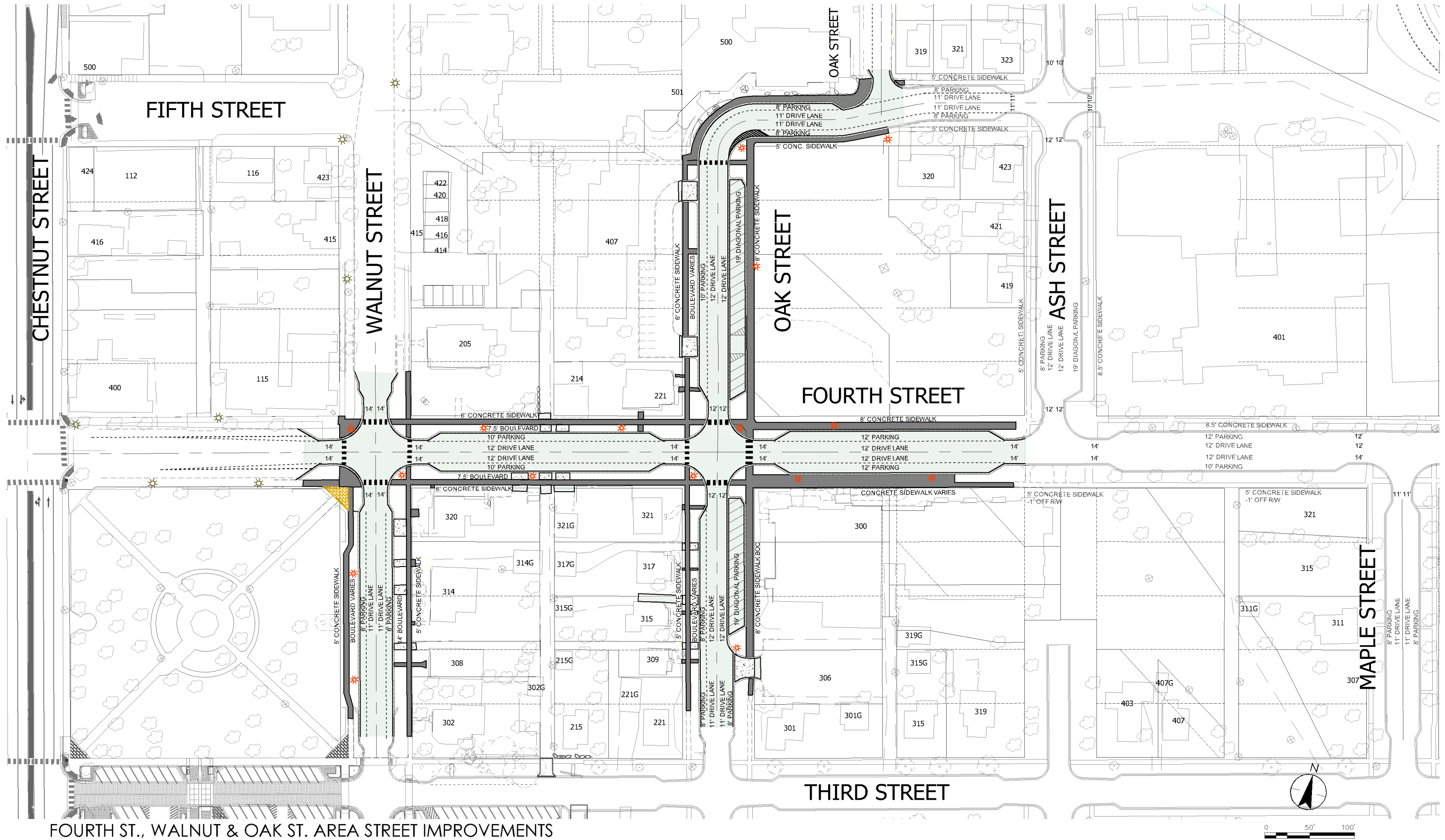
The City's standard 7-ton street section is proposed for all street types except Fourth Street within this project. The resulting section would contain 24 inches of select granular borrow (sand), 8 inches of compacted class 5 aggregate base, and 3½ inches of bituminous surfacing. The new street section will also include a geotextile fabric that will help keep the underlying subgrade separated from the new sand section. The fabric, along with the 2 feet of sand, will help stabilize the sub grade material and help to convey drainage under the road making it less susceptible to frost heaving.

Concrete curb is proposed for the edges of the streets. It will be barrier type, 6-inches tall, with the back dropped down at driveway locations. The curb will be type B612 modified park board, which contains an integral 12-inch wide concrete gutter. This type of curb has a wider top section of 12 inches in lieu of a 6-inch wide top in standard curb. In addition to the new curb and gutter, the proposed street grades will be modified to help promote better drainage along the road corridors. Currently, the profile grades of the roadways are very irregular, resulting in poor drainage during storm events. The water then tends to sit in the road and along the edges rather than flow to the few existing storm sewer systems, leading to additional deterioration of the pavement and curb, especially as the water freezes and thaws. In addition to the proposed curb along the edge of the street, it is proposed to install a valley gutter along all areas of angled parking on Oak Street. The valley gutter will serve several purposes. The valley gutter will help to define the edge of the travel lane for drivers as well as help convey storm water. In several areas, the boulevards opposite one another are at significantly different elevations from one another. The addition of a valley gutter will allow the travel lanes to maintain a consistent cross slope while the slope of the parking area will vary to match the differing boulevard elevations.

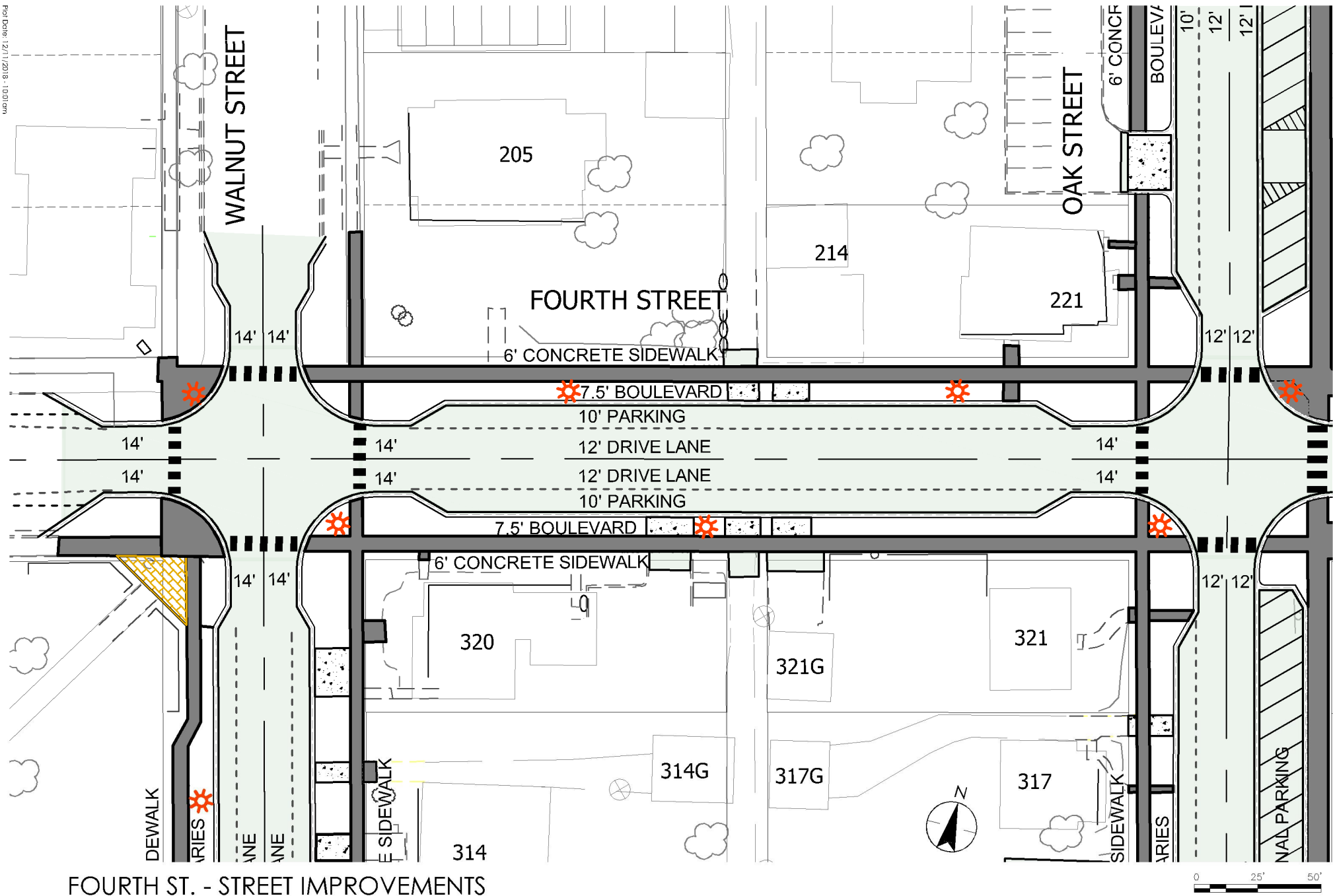
The proposed parking layout will include parallel parking for residents on Walnut and Fourth, and Diagonal parking for the Church and Senior Center along the East side of Oak street. The project will have concrete sidewalks with widths of 5 to 8-foot extended along each side of the roadways. The

location of the new sidewalks is planned to match as close to the existing location as possible to minimize impacts to trees except where the walk is currently outside the right of way. At these locations, it will be moved so that it is inside the road right of way. At the upcoming neighborhood meetings, staff proposes to discuss the final location of the new sidewalk considering the number of boulevard trees that need to be removed and replaced due to the utility conflicts, age, structural deficiencies and species issues. Given the scope of the tree replacement work, it is sometimes feasible to move the sidewalk toward the street, leave a reasonable boulevard area for planting and increase the amount of green space behind the sidewalk for front yard area. Regardless of the sidewalk placement, project costs will not be impacted

Subsurface drain pipes, referred to as drain tile, will be bedded in rock and placed in the sand layer along the edges of the road throughout the length of the project. Each drain tile pipe would be connected to the storm sewer system at a manhole or catch basin structure. The tiles promote improved subsurface drainage of the street bed and lower its risk of frost movement. By helping to minimize road movement due to frost, the addition of the tiles and sand section should significantly reduce the likelihood and amount of fatigue and transverse cracking that exists in the roads today. Consequently, this would extend the life of the proposed road section and help to minimize maintenance costs over the life of the road.



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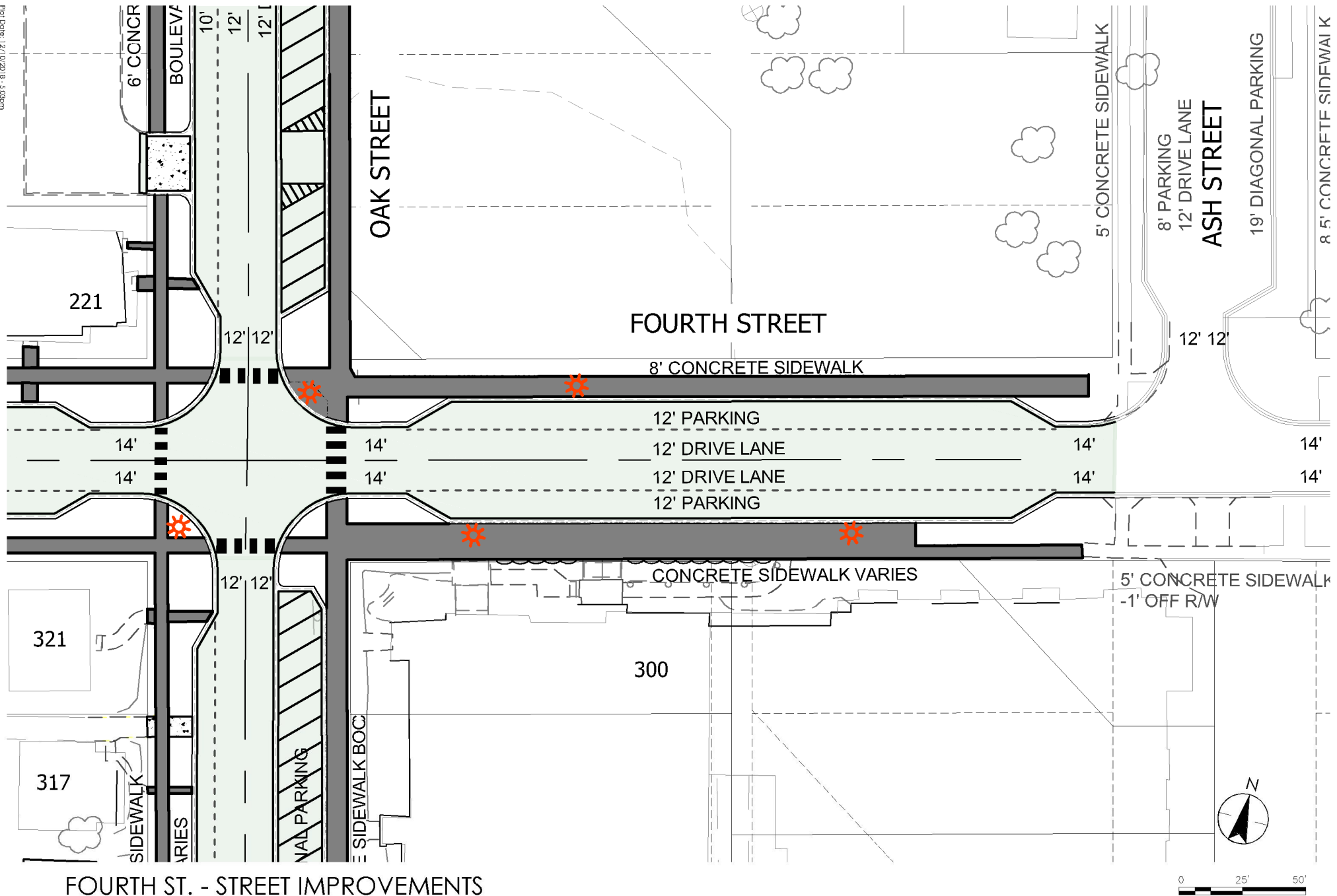
FIGURE D-2



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Plot Date: 12/10/2018 4:03pm
 Drawing name: V:\193804572\CAD\Drawings\193804572 - Street Improvements
 Xref: 193804572 - XSP, 193804572 - address numbers, 193804572 - topo, 193804572 - XSD, 193804572 - XST



FOURTH ST. - STREET IMPROVEMENTS

CITY OF CHASKA, MINNESOTA

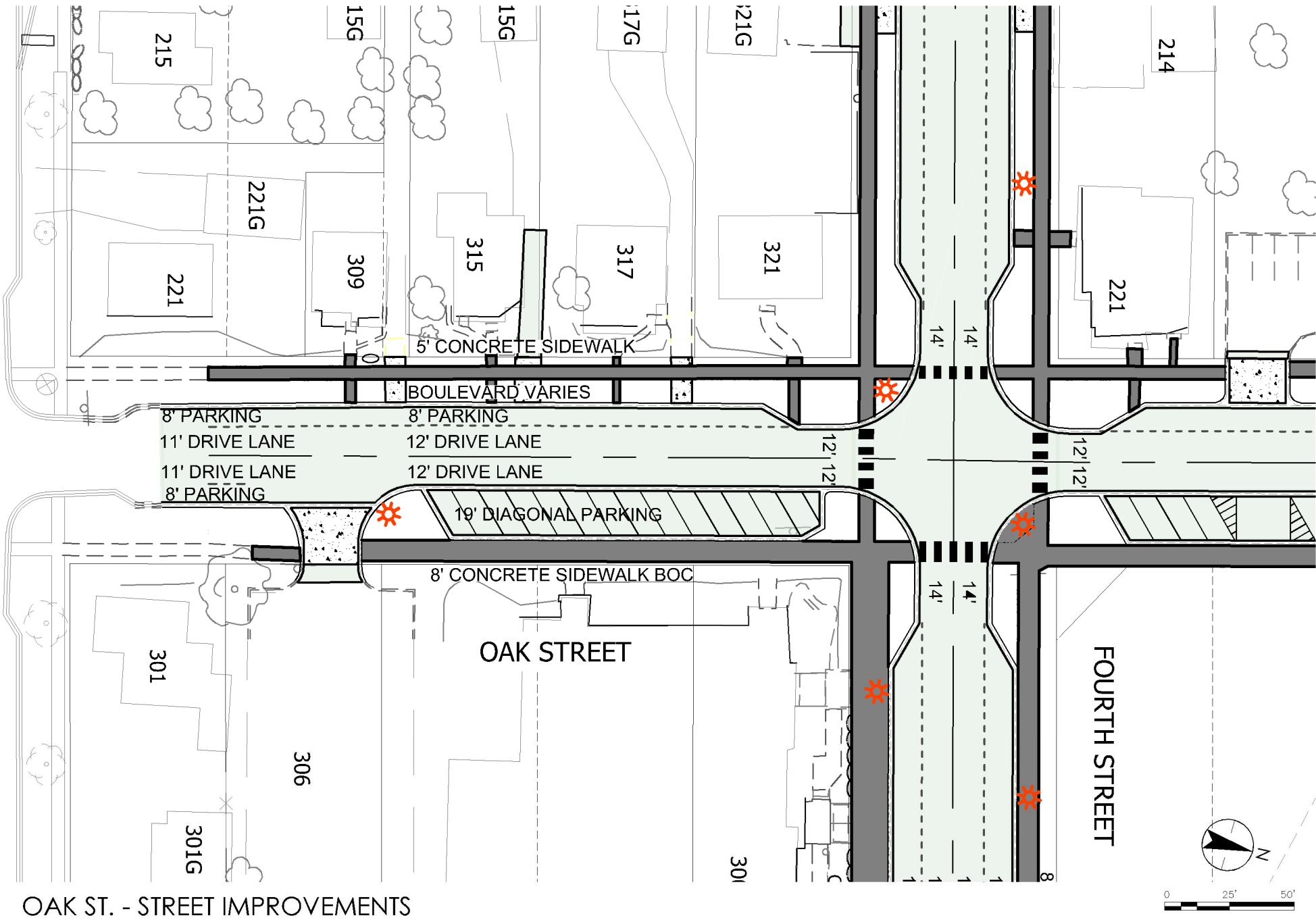
FIGURE D-3



2019 DOWNTOWN RECONSTRUCTION
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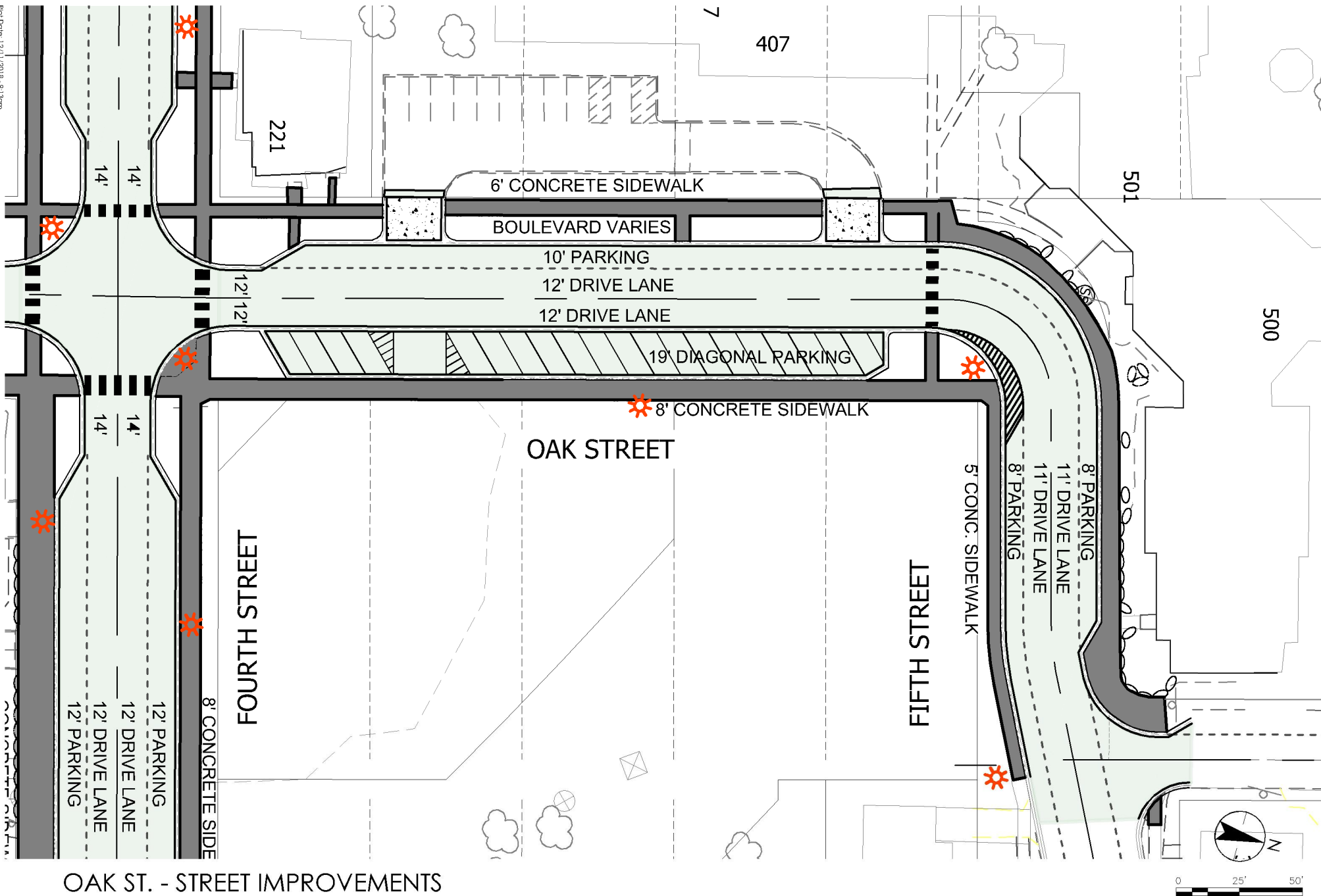
THIRD STREET



CITY OF CHASKA, MINNESOTA

FIGURE D-4





OAK ST. - STREET IMPROVEMENTS

CITY OF CHASKA, MINNESOTA

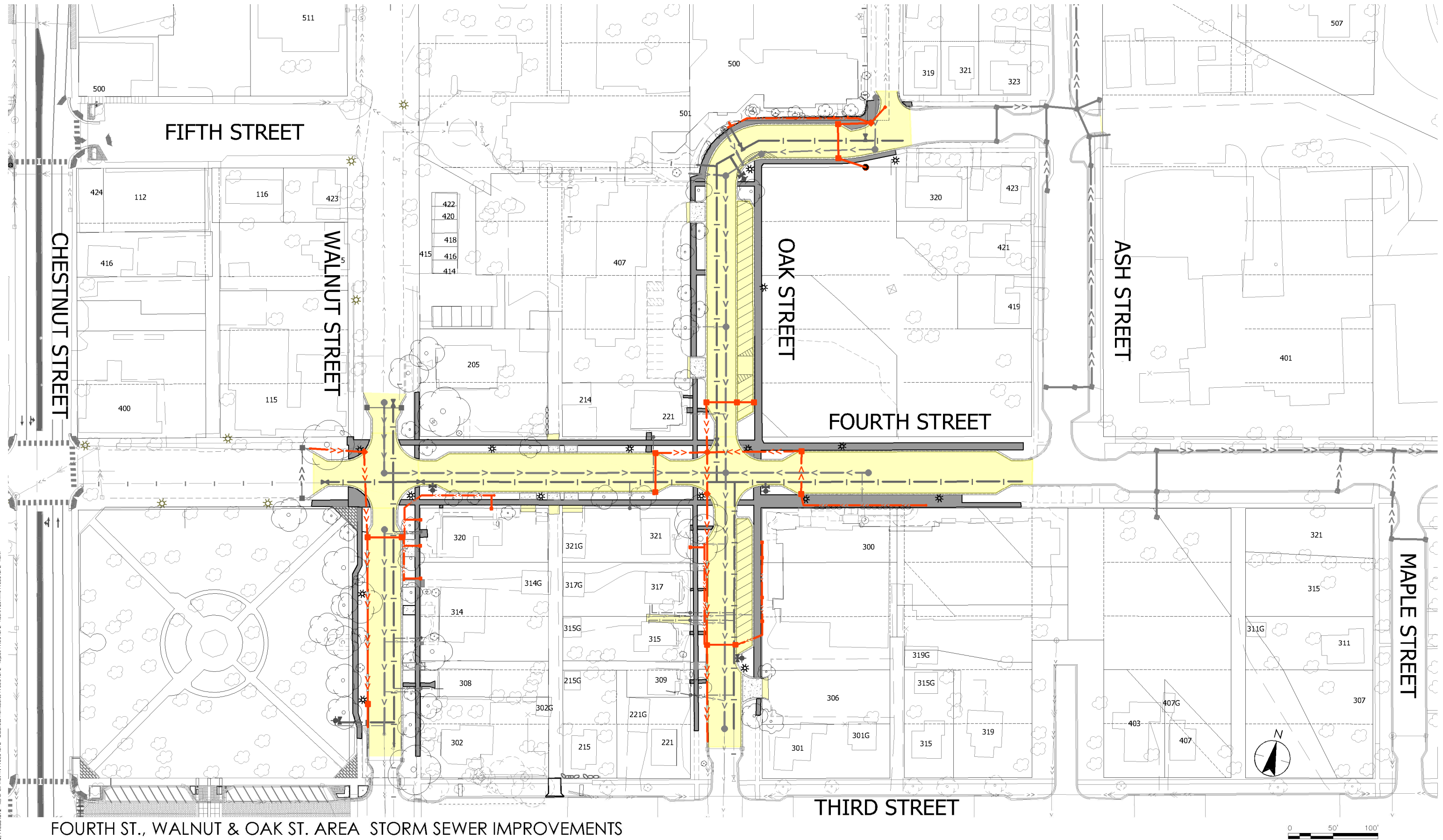
FIGURE D-5



Storm Sewer Improvements

Currently there is a limited underground storm sewer conveyance system in the project area along Fourth Street and no existing conveyance system along the Oak and Walnut Street corridors as indicated on Figure E-1. The system is currently undersized to handle the storm water runoff from its tributary area of approximately 10 acres.

Two separate storm sewer systems are proposed within this project. An extension of the conveyance system is proposed along Oak Street. This system will be designed to handle the run off created on Fourth Street and Oak Street south of 5th street. The Walnut Street system will be designed to tie into the existing system at Third and Walnut Street. Both systems will ultimately discharge into the storm sewer system along the existing levee.



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FIGURE E-1



Water Main and Sanitary Sewer Improvements

Currently the City's water main system in the project area consists mainly of 4 and 6-inch cast iron pipe. The pipes have reached the end of their service life. The pipe has corroded over time and is susceptible to breaks. It can no longer reliably supply the needed water volume and pressure. The proposed water main improvements are shown on Figure F-1. This will provide redundant paths of the water to flow which will provide maximum volume and pressure while also limiting the shutdown areas should a future problem arise.

The water main improvements on this project will involve removing all existing water main and installing a new line under the roadway. An 8" PVC pipe is proposed for installation on all streets with new epoxy coated ductile iron fittings. This follows the comprehensive water supply plan for the Downtown District.

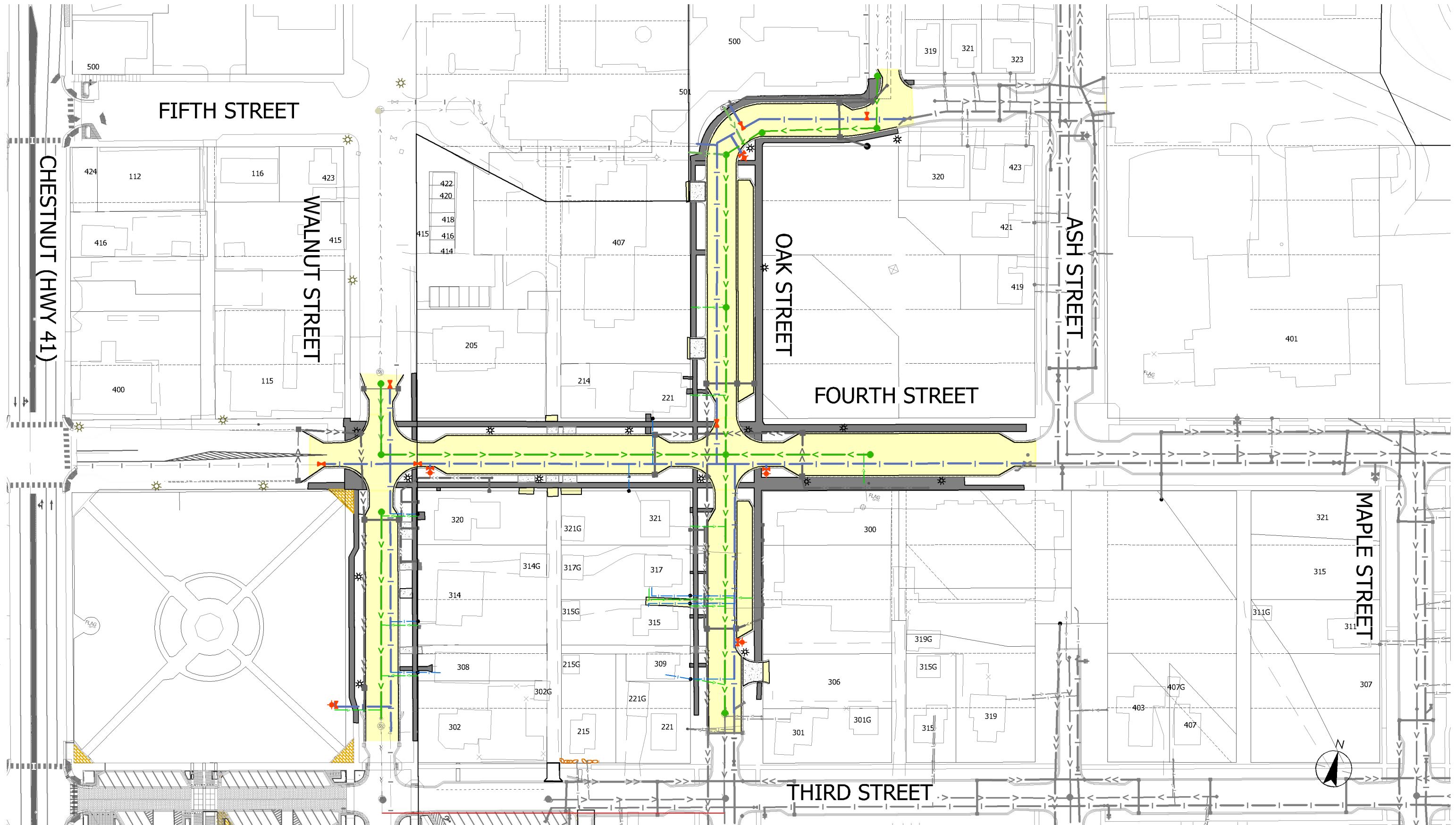
The water main system in the project area will connect to previously installed 8" systems. By replacing the water main systems within these streets while they are undergoing reconstruction, it will significantly reduce the risk of future costly repairs that would be associated with excavating to fix a water main break in the existing system. New hydrants and gate valves will also be installed on the project for fire protection. The additional hydrants will greatly increase the fire protection.

The existing sanitary sewer lines located within the project limits are all vitrified clay piping (VCP), with the exception of existing PVC piping on Oak Street. The system of pipes shown on Figure B-1 is approaching 100 years old. The City has evaluated the existing sanitary sewer lines and has found various deficiencies in the piping system. The sanitary system has infiltration through pipe joints, cracked pipe, and as well as through manholes. The City has been required to clean and jet the existing piping to eliminate blockages due to inconsistent pipe grades, pipe failures, and root growth inside the existing piping. The result of this has been very high maintenance costs by having to continually service the sanitary sewer system in this area of downtown Chaska. By replacing the sanitary sewer pipe and manholes the City will benefit by reducing overall infiltration rates and maintenance costs.

Chaska's existing downtown sanitary sewer system flows towards First Street. This area will connect to new infrastructure installed with the 2013 Reconstruction Project. The new pipes were installed at lower elevations and terminated at their respective project limits. This project will remove temporary manholes set with those projects and will continue to extend new sanitary sewer up each street as shown on Figure F-1. The proposed piping on Oak Street between 3rd to 4th street will be 12" PVC, and 10" PVC for the remainder to meet sizing and elevation requirements for future sanitary sewer north of CR-61. The remaining portion of the project on 4th and Walnut is proposed to be 8" PVC. The lower grade will allow improved pipe capacity and limited conflicts with other utilities as the streets are rebuilt.

The majority of sanitary sewer manholes that connect to the piping system in these streets are brick and mortar structures and have reached their service life. These structures are especially susceptible to infiltration due to the many joints in the manhole walls surrounding the perimeter of each brick. All of the sanitary manholes on the project will be removed and replaced with new precast concrete manhole sections. Precast manholes sections are the current industry standard as they minimize the amount of infiltration through having less joints and thus fewer entry points for groundwater.

To minimize sewer and water service disruption to the existing homes, Church/ School and Senior Living campus during construction, temporary water and sewer systems will need to be implemented. The temporary systems will be built and coordinated along with the progress of the new sewer and water installation. City staff along with Stantec staff will proactively meet with property owners to gain a better understanding of their needs to determine the best way to serve them temporary water during construction.



FOURTH ST., WALNUT & OAK ST. AREA SANITARY SEWER & WATER MAIN IMPROVEMENTS

CITY OF CHASKA, MINNESOTA
 2019 DOWNTOWN RECONSTRUCTION
 Adopt Resolution 2019-9, 2019...

FIGURE F-1



Project: 193804572 - 12/28/2018
 Drawing name: V:\193804572\193804572\193804572\193804572 - Sanitary & Water Main Improvements.dwg
 User: jkelly
 Date: 12/28/2018
 Time: 1:58:52 PM
 Plot name: V:\193804572\193804572\193804572 - XSD OPTION 1.dwg
 Plot date: 12/28/2018
 Plot time: 1:58:52 PM
 Plot user: jkelly
 Plot device: HP DesignJet T1200
 Plot scale: 1"=50'
 Plot orientation: Landscape
 Plot status: Success

Water and Sanitary Sewer Services

With all main line sanitary sewer and water main piping being replaced, the condition of existing utility services must also be addressed. For purposes of this report, sanitary sewer services impacted by construction are proposed to be replaced from the sewer main in the street to the property line of each existing house or business. Consistent with previous downtown reconstruction projects, each homeowner may elect to have their sanitary sewer replaced from the property line to their house or business. Additional costs will be incurred by the property owner for service work beyond the right of way. In efforts to maximize cost savings to residents and businesses, the sewer service work beyond the right of way is proposed to be included with the overall project pricing. The City along with our field construction staff will communicate to the homeowner or business owner what the condition of their sanitary sewer service line is along with the recommendation to replace it or not. They will be given an estimated cost and some time to decide whether or not to replace it. On previous downtown reconstruction projects, most sanitary service lines were found to be in very poor condition, and often contained cracked/collapsed pipe or significant tree root damage. Most property owners have elected to replace their services. The older pipe was almost always cast iron, clay, or Orangeburg. All new pipe installed is proposed to be PVC pipe that will match the pipe size of the existing service size.

The project water services are proposed to be replaced from the main to the property line, unless they are found to be a pipe material other than copper. Preliminary investigation by City staff has identified several properties in this area with lead water services. As with past projects, these services no longer meet current health and drinking water safety requirements. If an existing water service contains a pipe material other than copper, the service will be replaced with a trenchless installation technique from the main to the inside of the home at the current water meter location. It is proposed as part of the improvements along Fourth Street to extend 6" water services to Auburn Manor to provide water capacity for service demand and fire protection.

Sump Line Installation

The City of Chaska has implemented a sump pump drainage system policy as a part of their reconstruction program. Sump lines that discharge into the street create two main problems. First, they introduce more water to the existing street and curb, which can then lead to more rapid deterioration of the pavement and curb, specifically during the freeze/thaw cycles. Secondly, the sump lines can also become a safety hazard. In the summer water from sump lines can produce a green moss that can become extremely slippery. In the winter this same moisture can freeze, and also become extremely slippery. Additionally, some private residences have sump systems that connect to their sanitary sewer discharge lines. This results in additional drainage entering the sanitary sewer system if the sump pumps are running, which ultimately leads to additional treatment costs for the City.

Pre-project utility examinations of the homes and businesses were completed by City staff as part of this project. Several properties were identified in the project scope with active sump pumps. It is proposed to only extend sump pump connections to these homes as it is not likely that other existing homes would add them in the future. A 6" PVC sump line would be installed behind the curb on affected areas. At each residence with a current sump discharge, a 4" PVC pipe would be extended to the right-of-way to allow for a resident sump line connection to solve the problems caused by sump pumps. A "sump connection box" would be placed at the end of the 4" pipe on the right-of-way for each of these residents to allow for access to the sump line if cleaning becomes necessary.

Electrical and Street Lighting Improvements

The majority of the old downtown area is serviced by an overhead electric system. All intersections and mid-block areas are currently lit using cobra-head fixtures attached to wood poles. In the residential areas of Maple Street and Ash Street, it is proposed to replace all intersection and mid-block lights with single fiberglass or steel fixtures (as shown below), consistent with the current downtown residential standard. These fixtures though not decorative are aesthetically pleasing and consistent with the current style for the downtown residential district.

For purposes of this report, costs for system and lighting improvements to each respective area are included in the total cost of the project. These costs are a part of the Street Improvements line item in the project cost summary.



Existing Street Lighting



New Fiberglass Street Lighting

Construction Phasing

During a street reconstruction project, it is common to have periods of time that certain residents or businesses are not going to be able to access the street directly in front of their homes or business. No formal phasing plan has been proposed with this report. It is recommended that the City, Engineer, and Contractor work together to develop a construction phasing plan that is mutually beneficial to the City and Contractor that limits disruption to the affected residents, Auburn Manner, and St. John's Lutheran Church/School. The purpose of having a phasing plan in place is to help ensure that the limited access time is minimized, so that residents and the school are able to park vehicles as close as possible to their destinations during these time periods, and that the contractor is not impeded from doing their work as expeditiously as possible.

Special attention will need to be given to the Fourth Street corridor phasing as this is a vital transportation route to the City of Chaska. Additionally, project phasing will need to be carefully considered as it relates to water main construction. There is limited water main valving and hydrants in this area of Chaska. The Engineer will work closely with City staff and the Contractor to develop a plan to maintain uninterrupted water service and fire protection for area residents and businesses.

Consistent with Chaska Guidelines, working hours on this project are proposed to be Monday through Friday, 7 A.M. to 7 P.M., and Saturday, 9 A.M. to 5 P.M. Working on Holidays and Sundays is not permitted unless it is necessitated by an emergency situation and the Contractor is given approval by City Staff. Additionally, the City and Contractor would make every possible effort to provide residents with access to their driveway every night from 7 P.M. to 7 A.M. and on weekends. It is important to note that there are times when this will not be possible, especially during periods of concrete curb, driveway and sidewalk placement. During construction of these items residents are typically unable drive vehicles over the concrete for up to 7 days.

The City will remain in close contact with residents, Auburn Manor, and St. John's Lutheran Church/School throughout the project duration with mailings, handouts, on site resident meetings, and possible website postings. The meetings will primarily consist of an on-site meeting prior to the start of construction to allow impacted residents to meet the City construction personnel, learn more about the upcoming phase of construction and specifically how they will be impacted, and ask questions about the project. Residents will also be given contact information for individuals they can contact as questions or concerns come up during the course of the project.

Project Schedule

The 2019 Street Reconstruction Project is proposed to be constructed in 2019, with the exception of the final wear course paving and boulevard tree planting. The wear course paving and tree planting would be completed in 2020 along with any minor restoration work remaining. In order to perform the complete reconstruction of the street and utilities, it is necessary to start construction before schools begin summer vacation. This project is recommended to be phased such that the project does not interfere with access to Fourth Street during the regular school year and to be finished as school starts in the fall with only a minor amount of work occurring in the month of September.

Upon acceptance of the Feasibility Study for the 2019 Street Reconstruction Project, a public hearing will be scheduled to consider approval of the improvement project. A proposed schedule is as follows:

Council Accepts Feasibility Study / Order Public Hearing	December 17, 2018
Staff and Engineer Hold Neighborhood Meetings	January 7 –January 18, 2019
Public Improvement Hearing / Council Authorize Preparation of Construction Documents / Order Assessment Hearing	January 28, 2019
Council Approves Construction Documents / Authorizes Bidding	February 4, 2019
Public Assessment Hearing	February 25, 2019
State-Aid Approval	February 22, 2019
Receive Bids	March 1, 2019
Award Bid	April 15, 2019
Start Construction	May 13, 2019
2019 Construction Completion	October 31, 2019
Final Wear Course Paving	June 21, 2020

Project Costs

The following is a breakdown of estimated costs for various sections of the project proposed for Council consideration:

2019 Street Reconstruction Project Costs

Street Improvements.....	\$1,923,941.25
Storm Sewer Improvements.....	\$165,481.25
Water Main Improvements.....	\$223,368.75
Water Main Services.....	\$91,643.75
Sanitary Sewer Improvements.....	\$353,203.13
Sanitary Sewer Services	\$51,356.25
TOTAL ESTIMATED PROJECT COSTS	\$2,808,994.38

The total project cost is estimated at \$2,808,994.38. The estimated costs of the work presented in this report have been itemized in Appendix A. The cost estimates include construction, contingencies, design, inspection, and administration. No costs have been added for any acquisitions of right-of-way. The cost estimate is based on a bid date in early spring of 2019 and the majority of construction occurring in 2019.

Consistent with state statute and previous downtown projects, the City is proposing to assess a portion of the overall project costs. A separate special benefit analysis report will be prepared identifying those properties proposed to be assessed.

Recommendations and Conclusions

The work outlined in this report is feasible relative to engineering matters and is necessary and cost effective in addressing the utility needs and street reconstruction issues for the 2019 Downtown Street Reconstruction. Project financing will be handled by City Staff in a supplemental report. The following comments and recommendations are presented for consideration:

- It is recommended that the improvements include a Chaska Standard street section that incorporates both an urban 9-ton design and an urban 7-ton design with drain tile as outlined in this report.
- It is recommended to design Fourth Street to State-Aid Standards.
- It is recommended that all sanitary sewer facilities, water main facilities, and related appurtenances be replaced due to the overall age and service life of the existing utilities.
- It is recommended to replace all the existing sewer and water services as outlined in the report.
- It is recommended to construct the storm sewer facilities shown within this report.
- It is recommended to continue implementation of the new street light program for the downtown area and coordinate it with the improvements of this project.
- It is recommended to begin constructing the project as soon as the state lifts road restrictions in the Spring of 2019.
- It is proposed to place specific construction requirements on the construction of the downtown streets to allow for the best access possible for residents and Auburn Manor and St. John's Lutheran Church/School.

The total estimated cost of the recommended improvements is \$2,808,994.38. This is based on a bid date in the spring of 2019 and the majority of construction being completed in 2019.

Appendix A

2019 Reconstruction Project Construction and Project Costs

APPENDIX A - ESTIMATED PROJECT COSTS
2019 DOWNTOWN CHASKA RECONSTRUCTION PROJECT
PROJECT NO. 193804572
CHASKA, MINNESOTA
DECEMBER 2019

No.	Item	Units	Qty	Unit Price	Total Price
PART 1 - STREET IMPROVEMENTS					
1	MOBILIZATION	LS	1	\$110,000.00	\$110,000.00
2	TRAFFIC CONTROL	LS	1	\$10,000.00	\$10,000.00
3	TEMPORARY MAILBOX	LS	1	\$1,000.00	\$1,000.00
4	LIGHTING SYSTEM	LS	1	\$48,000.00	\$48,000.00
5	STREET SWEEPER WITH PICK UP BROOM WITH OPERATOR	HR	50	\$125.00	\$6,250.00
6	CLEAR AND GRUB	TREE	30	\$800.00	\$24,000.00
7	SAWING BITUMINOUS PAVEMENT	LF	400	\$4.50	\$1,800.00
8	SAWING CONCRETE PAVEMENT	LF	75	\$6.00	\$450.00
9	REMOVE BITUMINOUS PAVEMENT	SY	10000	\$4.00	\$40,000.00
10	REMOVE BITUMINOUS DRIVEWAY	SY	200	\$6.00	\$1,200.00
11	REMOVE CONCRETE DRIVEWAY PAVEMENT	SY	300	\$10.00	\$3,000.00
12	REMOVE CONCRETE SIDEWALK	SY	2900	\$7.50	\$21,750.00
13	REMOVE CONCRETE CURB AND GUTTER	LF	3800	\$3.75	\$14,250.00
14	REMOVE BRICK PAVERS	SF	300	\$1.50	\$450.00
15	REMOVE WATER MAIN	LF	1800	\$6.00	\$10,800.00
16	REMOVE SANITARY SEWER PIPE	LF	1525	\$3.00	\$4,575.00
17	REMOVE STORM SEWER PIPE	LF	125	\$10.00	\$1,250.00
18	REMOVE SANITARY SEWER MANHOLE	EA	9	\$500.00	\$4,500.00
19	REMOVE STORM SEWER MANHOLE OR CATCHBASIN	EA	4	\$500.00	\$2,000.00
20	REMOVE HYDRANT	EA	4	\$500.00	\$2,000.00
21	REMOVE SIGN	EA	20	\$50.00	\$1,000.00
22	SALVAGE AND REINSTALL BRICK PAVERS	SF	400	\$18.00	\$7,200.00
23	ADJUST VALVE BOX	EA	4	\$300.00	\$1,200.00

No.	Item	Units	Qty	Unit Price	Total Price
24	FURNISH AND INSTALL NEW CASTING FOR CURB BOX IN DRIVEWAY	EA	6	\$300.00	\$1,800.00
25	COMMON EXCAVATION (EV)	CY	10,500	\$17.00	\$178,500.00
26	SUBGRADE EXCAVATION (EV)	CY	1,500	\$17.00	\$25,500.00
27	ROCK EXCAVATION	CY	300	\$15.00	\$4,500.00
28	STOCKPILE ROCK	CY	300	\$15.00	\$4,500.00
29	SELECT GRANULAR BORROW (CV)	CY	8600	\$25.00	\$215,000.00
30	SELECT TOP SOIL BORROW (LV)	CY	900	\$25.00	\$22,500.00
31	GEOTEXTILE FABRIC, TYPE V	SY	10400	\$1.75	\$18,200.00
32	AGGREGATE BASE, CLASS 5, 100% CRUSHED	TN	4700	\$18.00	\$84,600.00
33	REPLACE GRAVEL DRIVEWAY, CLASS 5	TN	40	\$25.00	\$1,000.00
34	WATER FOR DUST CONTROL	1000 GAL	40	\$30.00	\$1,200.00
35	MILL BITUMINOUS PAVEMENT (VARIABLE DEPTH)	SY	150	\$11.00	\$1,650.00
36	TYPE SP 9.5 WEARING COURSE (2,C)	TN	2100	\$75.00	\$157,500.00
37	BITUMINOUS DRIVEWAY REPAIR	SF	1350	\$4.00	\$5,400.00
38	BITUMINOUS WEDGE FOR PLOW PROTECTION	TN	25	\$150.00	\$3,750.00
39	BITUMINOUS MATERIAL FOR TACK COAT	GAL	650	\$3.50	\$2,275.00
40	4" PERFORATED POLYETHYLENE PIPE	LF	4000	\$8.50	\$34,000.00
41	4" PERFORATED PVC DRAIN TILE, SCHEDULE SDR 26	LF	500	\$15.00	\$7,500.00
42	4" PVC SUMP LINE, SDR 35	LF	150	\$17.00	\$2,550.00
43	6" PVC SUMP LINE, SDR 35	LF	800	\$19.00	\$15,200.00
44	6" PVC CLEANOUT	EA	5	\$300.00	\$1,500.00
45	SUMP DRAIN CATCH BASIN	EA	12	\$600.00	\$7,200.00
46	1.25" NON-METALIC CONDUIT (INSTALL)	LF	2100	\$4.50	\$9,450.00
47	POTHOLE EXISTING UTILITY	EA	4	\$500.00	\$2,000.00
48	4" CONCRETE SIDEWALK	SF	23500	\$5.00	\$117,500.00
49	B612 MODIFIED PARK BOARD CONCRETE CURB AND GUTTER	LF	4050	\$16.00	\$64,800.00
50	24" CONCRETE VALLEY GUTTER	LF	500	\$20.00	\$10,000.00
51	8" CONCRETE "V" CURB	LF	100	\$25.00	\$2,500.00

No.	Item	Units	Qty	Unit Price	Total Price
52	REMOVE AND REPLACE CONCRETE CURB AND GUTTER	LF	125	\$35.00	\$4,375.00
53	CONCRETE STEPS	EA	15	\$550.00	\$8,250.00
54	6" CONCRETE DRIVEWAY REPAIR	SF	3050	\$7.00	\$21,350.00
55	7" CONCRETE COMERCIAL DRIVEWAY	SF	1025	\$8.50	\$8,712.50
56	CONCRETE PEDESTRIAN CURB RAMP	SF	1500	\$10.00	\$15,000.00
57	TRUNCATED DOME PANEL	SF	250	\$45.00	\$11,250.00
58	4" SOLID LINE, WHITE EPOXY	LF	1000	\$2.50	\$2,500.00
59	4" SOLID LINE, WHITE PAINT (TEMPORARY)	LF	1000	\$1.50	\$1,500.00
60	CROSSWALK MARKING - EPOXY	SF	750	\$4.50	\$3,375.00
61	CROSSWALK MARKING - PAINT (TEMPORARY)	SF	750	\$3.75	\$2,812.50
62	SIGN PANELS, TYPE C	SF	120	\$55.00	\$6,600.00
63	PROTECTION OF CATCH BASIN IN STREET (BEFORE CURB)	EA	15	\$100.00	\$1,500.00
64	PROTECTION OF CATCH BASIN IN STREET (AFTER CURB)	EA	25	\$100.00	\$2,500.00
65	SODDING, LAWN TYPE	SY	4000	\$4.00	\$16,000.00
66	WATER FOR TURF ESTABLISHMENT	1000 GAL	40	\$80.00	\$3,200.00
67	BIOLOG, TYPE WOOD FIBER	LF	250	\$2.50	\$625.00
68	ROCK DITCH CHECK	EA	10	\$200.00	\$2,000.00
69	SEED MIXTURE TYPE 25-151	AC	0.2	\$1,800.00	\$360.00
70	EROSION CONTROL BLANKETS, CATEGORY 0	SY	200	\$3.50	\$700.00
71	RAPID STABILIZATION, MEATHOD 4	SY	50	\$3.00	\$150.00
72	HYDRAULIC SOIL STABILIZER TYPE 6	SY	200	\$1.75	\$350.00
73	BOULEVARD TREE, 3" CAL. B&B	EA	60	\$400.00	\$24,000.00
74	SITE RESTORATION	LS	1	\$10,000.00	\$10,000.00
SUBTOTAL PART 1 - STREET IMPROVEMENTS					\$1,465,860.00
5% Contingency					\$73,293.00
TOTAL CONSTRUCTION PART 1 - STREET IMPROVEMENTS					\$1,539,153.00
25% Engineering, Administration, Legal					\$384,788.25
TOTAL PROJECT PART 1 - STREET IMPROVEMENTS					\$1,923,941.25

No.	Item	Units	Qty	Unit Price	Total Price
PART 2 - STORM SEWER IMPROVEMENTS					
75	15" RCP STORM SEWER, CLASS 5	LF	800	\$45.00	\$36,000.00
76	18" RCP STORM SEWER, CLASS 5	LF	210	\$50.00	\$10,500.00
77	21" RCP STORM SEWER, CLASS 3	LF	350	\$65.00	\$22,750.00
78	2' X 3' CB, INCL R-3067-V CSTG AND CONC ADJ RINGS	EA	5	\$2,000.00	\$10,000.00
	27" CB, INCL R-2390 CSTG AND CONC ADJ RINGS	EA	1	\$1,600.00	\$1,600.00
79	4' DIA STORM SEWER CBMH, INC R-3067 CSTG AND CONC ADJ RINGS	EA	12	\$2,500.00	\$30,000.00
80	4' DIA STORM SEWER STMH, INC R-1642 CSTG AND CONC ADJ RINGS	EA	1	\$2,500.00	\$2,500.00
81	5' DIA STORM SEWER CBMH, INC R-3067 CSTG AND CONC ADJ RINGS	EA	1	\$4,000.00	\$4,000.00
82	CONNECT TO EXISTING STORM PIPE	EA	3	\$1,000.00	\$3,000.00
SUBTOTAL PART 2 - STORM SEWER IMPROVEMENTS					\$120,350.00
	10% Contingency				\$12,035.00
TOTAL CONSTRUCTION PART 2 - STORM SEWER IMPROVEMENTS					\$132,385.00
	25% Engineering, Administration, Legal				\$33,096.25
TOTAL PROJECT PART 2 - STORM SEWER IMPROVEMENTS					\$165,481.25
PART 3 - WATER MAIN IMPROVEMENTS					
83	CONNECT TO EXISTING WATER MAIN	EA	7	\$2,000.00	\$14,000.00
84	INSTALL TEMPORARY HYDRANT	EA	1	\$4,000.00	\$4,000.00
85	INSTALL TEMPORARY GATE VALVE	EA	1	\$2,000.00	\$2,000.00
86	6" GATE VALVE AND BOX	EA	5	\$1,500.00	\$7,500.00
87	8" GATE VALVE AND BOX	EA	6	\$2,000.00	\$12,000.00
88	6" PVC WATER MAIN, C900	LF	150	\$35.00	\$5,250.00
89	8" PVC WATER MAIN, C900	LF	2050	\$40.00	\$82,000.00
90	INSULATION, 4" THICK	SY	50	\$40.00	\$2,000.00
91	HYDRANT	EA	5	\$4,200.00	\$21,000.00
92	DUCTILE IRON FITTINGS	LB	1600	\$7.00	\$11,200.00
93	IMPROVED PIPE FOUNDATION, PER 6" INCREMENT	LF	500	\$3.00	\$1,500.00
SUBTOTAL PART 3 - WATER MAIN IMPROVEMENTS					\$162,450.00

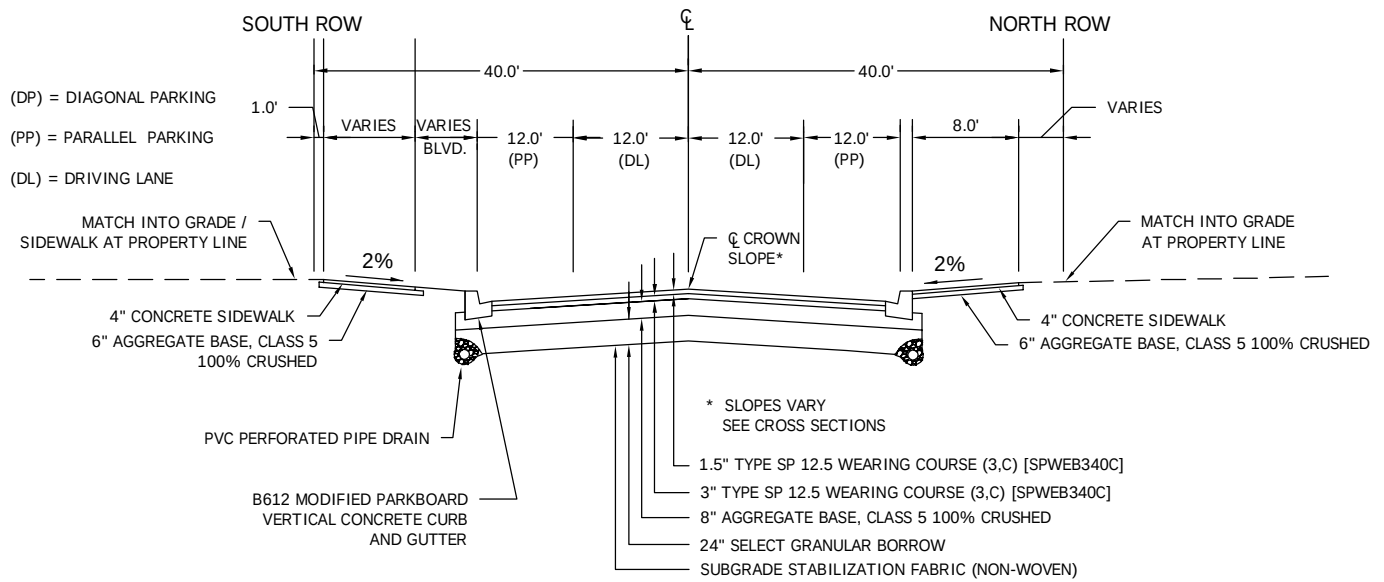
No.	Item	Units	Qty	Unit Price	Total Price
	10% Contingency				\$16,245.00
	TOTAL CONSTRUCTION PART 3 - WATER MAIN IMPROVEMENTS				\$178,695.00
	25% Engineering, Administration, Legal				\$44,673.75
	TOTAL PROJECT PART 3 - WATER MAIN IMPROVEMENTS				\$223,368.75
	 PART 4 - WATER SERVICE IMPROVEMENTS				
94	TEMPORARY WATER MAIN	LS	1	\$18,000.00	\$18,000.00
95	CONNECT TO EXISTING WATER SERVICE	EA	6	\$375.00	\$2,250.00
96	PLUMBED SERVICE CONNECTION	EA	4	\$3,500.00	\$14,000.00
97	1" CURB STOP AND BOX	EA	8	\$375.00	\$3,000.00
98	1" CORPORATION STOP WITH SERVICE SADDLE	EA	8	\$400.00	\$3,200.00
99	6" GATE VALVE AND BOX	EA	2	\$1,400.00	\$2,800.00
100	1" TYPE "K" COPPER WATER SERVICE	LF	350	\$30.00	\$10,500.00
101	1" TYPE PE WATER SERVICE (TRENCHLESS INSTALLATION)	LF	180	\$60.00	\$10,800.00
102	6" PVC WATERMAIN, C900	LF	60	\$35.00	\$2,100.00
	SUBTOTAL PART 4 - WATER SERVICES				\$66,650.00
	10% Contingency				\$6,665.00
	TOTAL CONSTRUCTION PART 4 - WATER SERVICES				\$73,315.00
	25% Engineering, Administration, Legal				\$18,328.75
	TOTAL PROJECT PART 4 - WATER SERVICES				\$91,643.75
	 PART 5 - SANITARY SEWER IMPROVEMENTS				
103	BYPASS PUMPING	LS	1	\$10,000.00	\$10,000.00
104	CONNECT TO EXISTING SANITARY SEWER PIPE	EA	3	\$2,500.00	\$7,500.00
105	RECONSTRUCT SANITARY MANHOLE	EA	1	\$3,000.00	\$3,000.00
106	4' DIAMETER SANITARY MH, INCL R-1642-B CSTG AND CONC ADJ RINGS	EA	11	\$5,000.00	\$55,000.00
107	4' DIAMETER SANITARY MANHOLE OVERDEPTH	LF	95	\$250.00	\$23,750.00
108	RISER PIPE FOR DROP SECTION	LF	20	\$500.00	\$10,000.00
109	8" PVC SANITARY SEWER, SDR 35	LF	400	\$65.00	\$26,000.00
110	8" PVC SANITARY SEWER, SDR 26	LF	560	\$70.00	\$39,200.00

No.	Item	Units	Qty	Unit Price	Total Price
111	10" PVC SANITARY SEWER, SDR 35	LF	200	\$75.00	\$15,000.00
112	10" PVC SANITARY SEWER, SDR 26	LF	380	\$80.00	\$30,400.00
113	12" PVC SANITARY SEWER, SDR 26	LF	290	\$85.00	\$24,650.00
114	8" X 4" PVC SEWER WYE	EA	2	\$250.00	\$500.00
115	8" X 6" PVC SEWER WYE	EA	3	\$325.00	\$975.00
116	10" X 4" PVC SEWER WYE	EA	1	\$325.00	\$325.00
117	12" X 4" PVC SEWER WYE	EA	5	\$425.00	\$2,125.00
118	12" X 6" PVC SEWER WYE	EA	1	\$450.00	\$450.00
119	IMPROVED PIPE FOUNDATION, PER 6" INCREMENT	LF	2000	\$4.00	\$8,000.00
SUBTOTAL PART 5 - SANITARY SEWER IMPROVEMENTS					\$256,875.00
	10% Contingency				\$25,687.50
TOTAL CONSTRUCTION PART 5 - SANITARY SEWER IMPROVEMENTS					\$282,562.50
	25% Engineering, Administration, Legal				\$70,640.63
TOTAL PROJECT PART 5 - SANITARY SEWER IMPROVEMENTS					\$353,203.13
 PART 6 - SANITARY SEWER SERVICES					
120	RECONNECT SANITARY SEWER SERVICE	EA	13	\$350.00	\$4,550.00
121	CLEANOUT	EA	2	\$300.00	\$600.00
122	4" PVC, SCH. 40 SERVICE PIPE	LF	300	\$30.00	\$9,000.00
123	4" PVC, SCH. 40 RISER PIPE	LF	40	\$30.00	\$1,200.00
124	4" SANITARY SEWER, DIRECTIONAL DRILLED	LF	100	\$75.00	\$7,500.00
125	PVC, SCH. 40 SERVICE PIPE (ROW TO HOUSE)	LF	75	\$80.00	\$6,000.00
126	6" PVC, SCH. 40 SERVICE PIPE	LF	230	\$35.00	\$8,050.00
127	6" PVC, SCH. 40 RISER PIPE	LF	15	\$30.00	\$450.00
SUBTOTAL PART 6 - SANITARY SEWER SERVICES					\$37,350.00
	10% Contingency				\$3,735.00
TOTAL CONSTRUCTION PART 6 - SANITARY SEWER SERVICES					\$41,085.00
	25% Engineering, Administration, Legal				\$10,271.25
TOTAL PROJECT PART 6 - SANITARY SEWER SERVICES					\$51,356.25

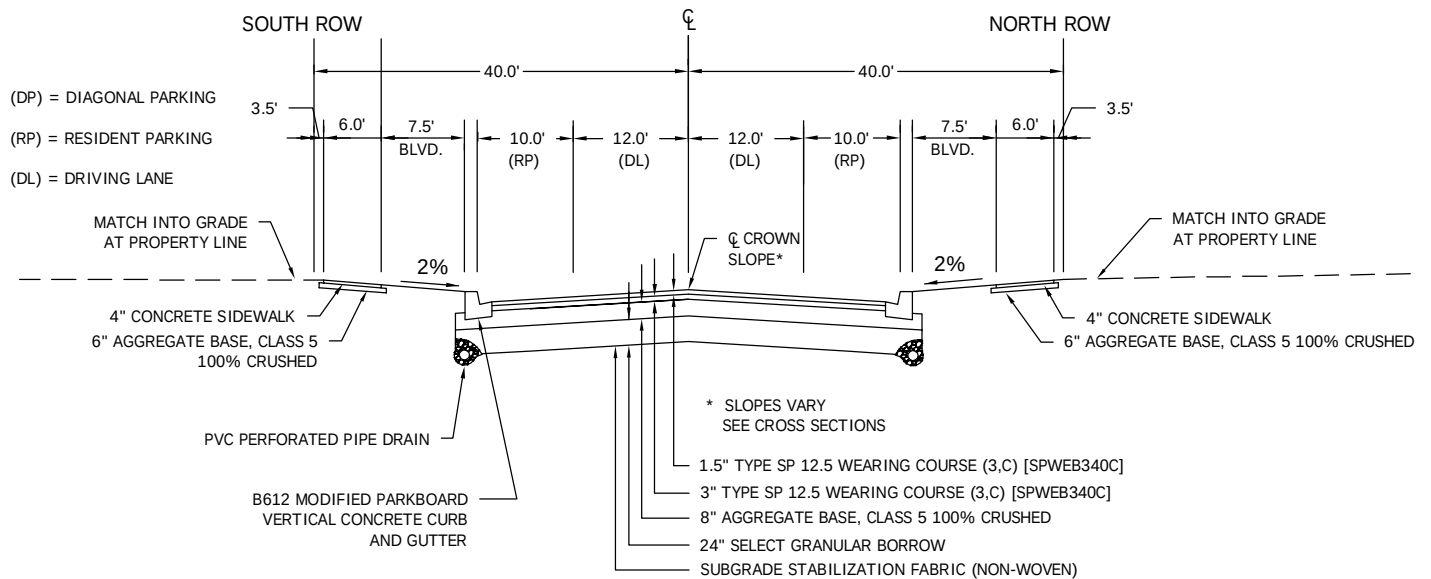
No.	Item	Units	Qty	Unit Price	Total Price
2019 CHASKA RECONSTRUCTION PROJECT					
	TOTAL PART 1 - STREET IMPROVEMENTS				\$1,923,941.25
	TOTAL PART 2 - STORM SEWER IMPROVEMENTS				\$165,481.25
	TOTAL PART 3 - WATER MAIN IMPROVEMENTS				\$223,368.75
	TOTAL PART 4 - WATER SERVICES				\$91,643.75
	TOTAL PART 5 - SANITARY SEWER IMPROVEMENTS				\$353,203.13
	TOTAL PART 6 - SANITARY SEWER SERVICES				\$51,356.25
	TOTAL ESTIMATED PROJECT COSTS				\$2,808,994.38

Appendix B

2019 Reconstruction Project Typical Sections of Streets



TYPICAL SECTION
FOURTH STREET (ASH TO OAK)



TYPICAL SECTION
FOURTH STREET (OAK TO WALNUT)

FOURTH STREET

CITY OF CHASKA, MINNESOTA

FIGURE: G-1

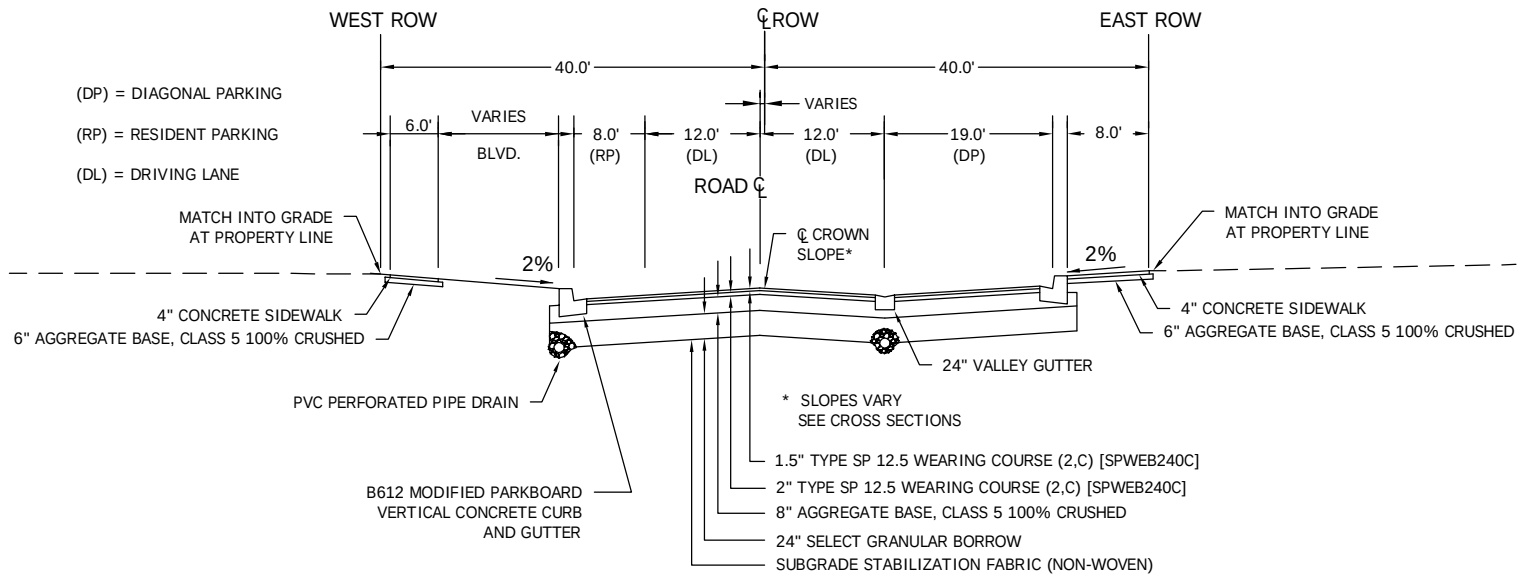


2335 Highway 36 W
St. Paul, MN 55113
www.stantec.com

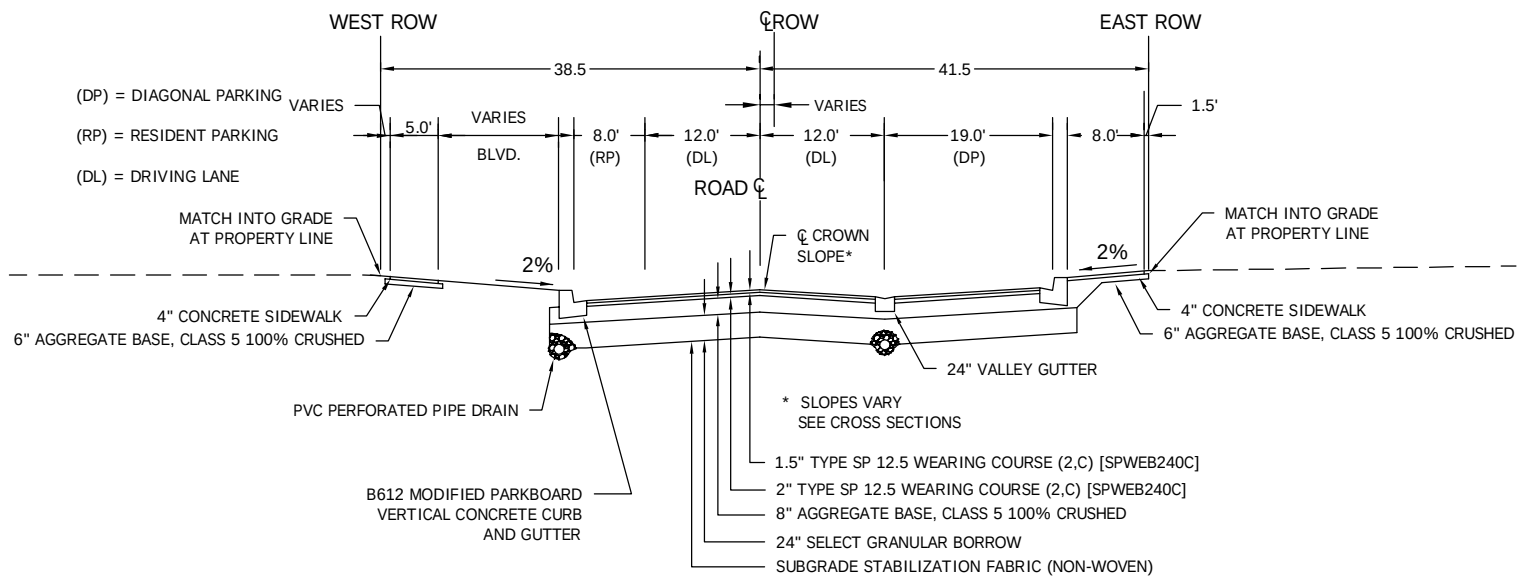
2019 DOWNTOWN RECONSTRUCTION

Packet Page 173 of...

DATE: DECEMBER, 2018 PROJ. NO.: 193804572



TYPICAL SECTION
OAK ST. (4TH TO 5TH)



TYPICAL SECTION
OAK ST. (3RD TO 4TH)

OAK STREET

CITY OF CHASKA, MINNESOTA

FIGURE: G-2

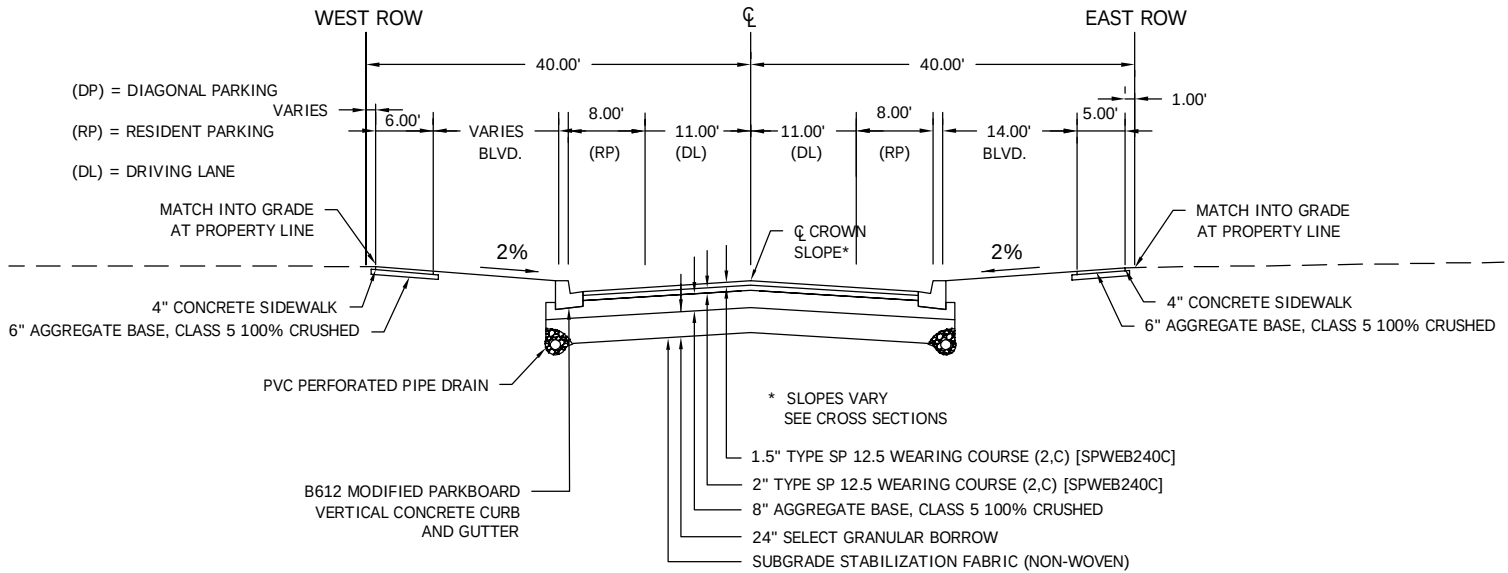


2335 Highway 36 W
St. Paul, MN 55113
www.stantec.com

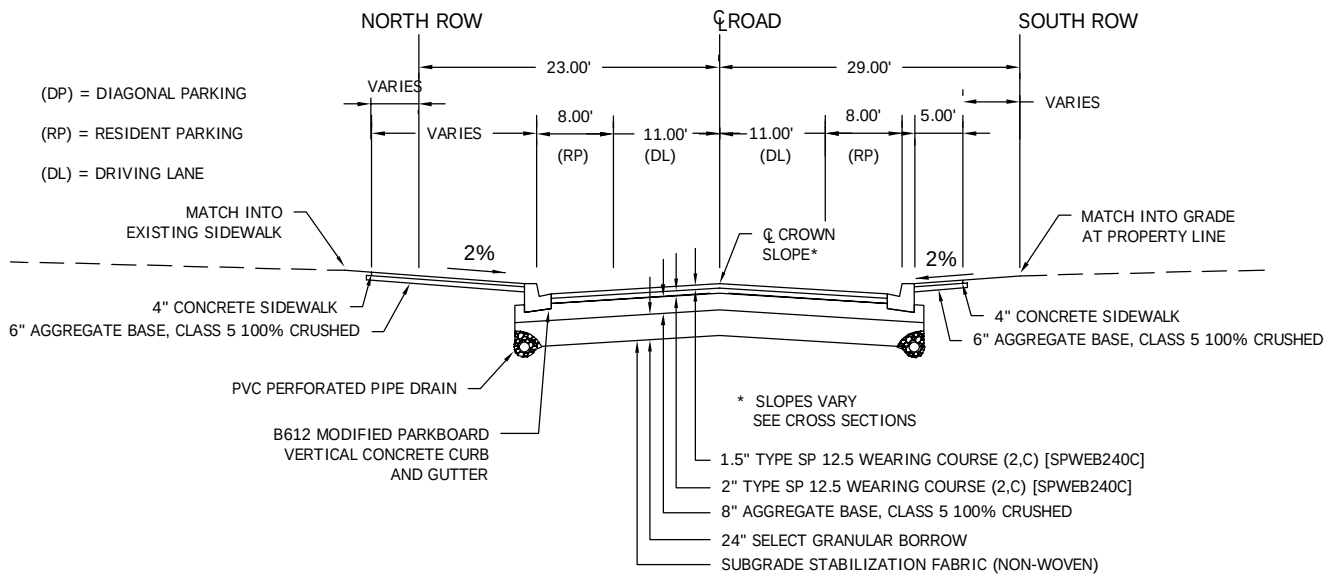
2019 DOWNTOWN RECONSTRUCTION

B. Adopt Resolution 2019-9, 2019...

Packet Page 174 of...



TYPICAL SECTION
WALNUT STREET (THIRD TO FOURTH)



TYPICAL SECTION
5TH STREET (OAK TO OAK)

WALNUT & FIFTH STREET

CITY OF CHASKA, MINNESOTA

FIGURE: G-3



2335 Highway 36 W
St. Paul, MN 55113
www.stantec.com

2019 DOWNTOWN RECONSTRUCTION

Packet Page 175 of...

CLAIMS ROSTER REPORT

FOR COUNCIL MEETING:

January 28, 2019

Paid and Unpaid Invoices:

Check #'s 326420-326651

\$867,682.02

Paid Electronic Invoices:

Wire #'s 1769-1792

\$5,747,320.07

Amount for Approval-Council Meeting:

January 28, 2019

\$6,615,002.09

Checks



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City of Chaska
VENDOR INVOICE LIST

P 1
apinvlst

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
100006 SCOTT A HUTNICK									
61910		12/31/2018	012919	326458	400.00	02/01/2019	INV	PD	Animal control
CHECK DATE: 01/29/2019									
100026 DENWIN INC									
K77727/2		01/09/2019	012919	326459	110.29	02/09/2019	INV	PD	supplies
CHECK DATE: 01/29/2019									
104595 AEM FINANCIAL SOLUTIONS LLC									
408493		12/31/2018	012919	326460	12,186.00	02/07/2019	INV	PD	DEC 2018 ACCOUNTING SVCS
CHECK DATE: 01/29/2019									
100843 AH HERMEL COMPANY									
748734		01/02/2019	012919	326461	661.57	02/01/2019	INV	PD	Vending Supplies
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749950		01/09/2019	012919	326461	340.89	02/08/2019	INV	PD	vending supplies
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					1,002.46				
100059 ALLINA HEALTH SYSTEM									
1110024922		12/31/2018	012919	326462	1,800.00	01/31/2019	INV	PD	EMT CLASS FOR FIREFIGHTER
CHECK DATE: 01/29/2019									
100072 ALTERNATIVE TECHNOLOGIES INC									
45499		12/31/2018	012919	326463	20.00	01/30/2019	INV	PD	OIL TESTING
CHECK DATE: 01/29/2019									
107351 AMCON CONSTRUCTION									
31325		01/14/2019	012919	326464	985.69	02/14/2019	INV	PD	HYDRANT PERMIT REFUND-BAV
CHECK DATE: 01/29/2019									
100077 AMERICAN CASTING & MANUFACTURING CORP									
303684		01/02/2019	012919	326465	103.13	02/02/2019	INV	PD	MEDICAL METER SEALS
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303952		01/08/2019	012919	326465	513.75	02/08/2019	INV	PD	METER SEALS
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City of Chaska
VENDOR INVOICE LIST

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apinvlst

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100089 AMERICAN PRESSURE INC					616.88				
105282		01/03/2019	012919	326466	107.64	02/03/2019	INV	PD	PRESSURE WASHER PARTS
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105403		01/10/2019	012919	326466	439.45	02/10/2019	INV	PD	GORILLA WASH
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100103 ANCOM TECHNICAL CENTER					547.09				
84559		01/03/2019	012919	326467	122.35	02/02/2019	INV	PD	Radio maintenance
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100122 ARAMARK REFRESHMENT SERVICES									
1349585		12/11/2018	012919	326468	104.92	01/11/2019	INV	PD	COFFEE
CHECK DATE: 01/29/2019									
1353188		01/10/2019	012919	326468	152.03	02/10/2019	INV	PD	FD COFFEE & SUPPLIES
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100146 ASPEN MILLS INC					256.95				
229153		12/28/2018	012919	326469	124.80	01/27/2019	INV	PD	FF DUTY UNIFORM-C PIERCE
CHECK DATE: 01/29/2019									
100155 AUBURN MANOR									
FEB 2019	190001	01/15/2019	012919	326470	200.00	02/01/2019	INV	PD	FEB 2019 SENIOR CITIZEN D
CHECK DATE: 01/29/2019									
JAN 2019	190001	01/07/2019	012919	326470	200.00	02/07/2019	INV	PD	JAN 2019 SENIOR CITIZEN D
CHECK DATE: 01/29/2019									
104288 PHILIP MERL AWKER JR					400.00				
1012		12/31/2018	012919	326471	360.00	01/31/2019	INV	PD	PLAN REVIEW FOR SPRINKLER
CHECK DATE: 01/29/2019									
104425 BAKKELUND TREE AND LANDSCAPE SERVICE LLC									
2451		01/07/2019	012919	326472	11,000.00	02/06/2019	INV	PD	REMOVAL OF HAZARD TREES B
CHECK DATE: 01/29/2019									



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City of Chaska
VENDOR INVOICE LIST

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apinvlst

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107381 NORMAN R BARNHART									
62295		10/05/2018	012919	326473	300.00	02/22/2019	INV	PD	Magician for Grandparents
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100172 BATTERIES PLUS #020									
020-P9215518		12/11/2018	012919	326474	133.71	01/14/2019	INV	PD	WTP SUPPLIES
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100174 BAUER BUILT TIRE AND BATTERY									
180241496		12/28/2018	012919	326475	176.61	01/28/2019	INV	PD	TOWN COURSE
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180242157		01/16/2019	012919	326475	474.36	02/16/2019	INV	PD	#87 WATER
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180242160		01/16/2019	012919	326475	562.50	02/15/2019	INV	PD	#709 ELECTRIC
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					1,213.47				
107340 RICHARD CLAUDE BEARDSLEY									
61936		12/03/2018	012919	326476	2,500.00	01/29/2019	INV	PD	Speaker fee - Dick Beards
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100201 BCBSM INC									
190103086598		01/03/2019	011519	326433	166,944.98	01/22/2019	INV	PD	FEB 2019 EMP MED INS PREM
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102279 BOLTON & MENK INC									
0227216		12/21/2018	012919	326477	1,960.00	01/21/2019	INV	PD	GUARDRAIL PROTECTION ON H
CHECK DATE: 01/29/2019									
100214 BORDER STATES INDUSTRIES INC									
916894665	190008	01/08/2019	012919	326478	7,567.75	02/25/2019	INV	PD	ARRESTER, CUTOUT, FUSE BA
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916903939	190007	01/09/2019	012919	326478	602.63	02/25/2019	INV	PD	CONNECT 4 COV #14 - #4
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916933555	190011	01/14/2019	012919	326478	1,176.27	02/25/2019	INV	PD	SPLICE 8425-8 COLD SHRINK
CHECK DATE: 01/29/2019									



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City of Chaska
VENDOR INVOICE LIST

P
apinvlst 4

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916951690	190012	01/16/2019	012919	326478	150.13	02/25/2019	INV	PD	CONNECT LUG MECH 350-6 AL
CHECK DATE: 01/29/2019									
					9,496.78				
100216 BOUND TREE MEDICAL LLC									
62831259		12/27/2018	012919	326479	602.69	01/27/2019	INV	PD	MCI BAGS - TO BE REIM. TH
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100220 BOYER FORD TRUCKS INC									
16774D		01/14/2019	012919	326480	425.76	02/14/2019	INV	PD	#328 FIRE NEW BATTERIES F
CHECK DATE: 01/29/2019									
102474 BUREAU OF CRIMINAL APPREHENSION									
00000520905		12/31/2018	012919	326481	270.00	01/30/2019	INV	PD	Data processing
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107346 BURKE, ANNETTE									
10005819		01/14/2019	012919	326482	61.60	02/14/2019	INV	PD	METER DEPOSIT REFUND-3363
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100304 CARBURETION & TURBO SYSTEMS INC									
174760		12/21/2018	012919	326483	100.00	01/20/2019	INV	PD	FORKLIFT EMMISIONS TESTIN
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100293 CARGILL INC									
2904508303		12/28/2018	012919	326484	8,292.53	01/27/2019	INV	PD	SALT
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107145 CARRS TREE SERVICE INC									
108921		12/31/2018	012919	326485	14,184.00	01/30/2019	INV	PD	TREE TRIMMING HWY 41 AND
CHECK DATE: 01/29/2019									
100285 CARVER COUNTY ATTORNEY									
61955		01/02/2019	012919	326486	18,341.94	02/02/2019	INV	PD	4TH QTR PROSECUTION FEES
CHECK DATE: 01/29/2019									
100311 CARVER COUNTY FIRE DEPT									

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City of Chaska
VENDOR INVOICE LIST



P 5
apinvlst

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FD201902		01/02/2019	012919	326487	250.00	02/02/2019	INV	PD	2019 ANNUAL DUES
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100314	CARVER COUNTY IS/GIS DEPT								
2180		01/09/2019	012919	326488	265.00	01/09/2019	INV	PD	JAN 2019 INTENET SERVICE
CHECK DATE:	01/29/2019								
CSER-561		12/31/2018	012919	326488	1,687.90	01/30/2019	INV	PD	4TH QTR 2018 SHARED GIS P
CHECK DATE:	01/29/2019								
100315	CARVER COUNTY				1,952.90				
62095		01/07/2019	012919	326489	96.00	01/31/2019	INV	PD	AOA Book Club Holocaust b
CHECK DATE:	01/29/2019								
100312	CHASKA/CHAN HOCKEY ASSOCIATION								
DEC 18		01/10/2019	012919	326490	5,583.62	02/10/2019	INV	PD	DEC ARENA CONCESSIONS PAY
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100323	CDW GOVERNMENT INC								
QMC5722		12/21/2018	012919	326491	236.61	01/20/2019	INV	PD	PUBLIC WORKS SURFACE PRO
CHECK DATE:	01/29/2019								
QMJ8496		12/26/2018	012919	326491	729.70	01/25/2019	INV	PD	GOLF RECEIPT PRINTERS
CHECK DATE:	01/29/2019								
QMP7795		12/27/2018	012919	326491	563.94	01/26/2019	INV	PD	UPS
CHECK DATE:	01/29/2019								
QNC7046		12/31/2018	012919	326491	1,807.94	01/30/2019	INV	PD	PUBLIC WORKS SURFACE PRO
CHECK DATE:	01/29/2019								
QND6730		12/31/2018	012919	326491	-21.78	01/31/2019	CRM	PD	AP CLIPS
CHECK DATE:	01/29/2019								
QPH2644		01/07/2019	012919	326491	50.85	02/06/2019	INV	PD	CABLES
CHECK DATE:	01/29/2019								
QPM2307		01/08/2019	012919	326491	21.78	02/07/2019	INV	PD	AP BRACKET
CHECK DATE:	01/29/2019								
ZR00079419		12/28/2018	012919	326491	49.00	01/27/2019	INV	PD	WEBEX LICENSE
CHECK DATE:	01/29/2019								
100337	QWEST CORPORATION				3,438.04				



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE	DESCRIPTION
313692512/JAN19 CHECK DATE: 01/15/2019		01/01/2019	011519	326434	252.80	01/28/2019	INV	PD	JAN 2019	TC CLUBHS LOC PH
313773369/JAN19 CHECK DATE: 01/15/2019		01/01/2019	011519	326434	80.73	01/28/2019	INV	PD	JAN 2019	CCC BURGLAR ALAR
					333.53					
100338 QWEST CORPORATION										
202000790/DEC18 CHECK DATE: 01/09/2019		12/21/2018	010919	326427	3,531.40	01/15/2019	INV	PD	DEC 2018	PHN/LONG DIST SV
100374 CHANHASSEN, CITY OF										
61863 CHECK DATE: 01/29/2019		01/02/2019	012919	326492	32.59	01/23/2019	INV	PD	DEC 2018	TH41/82ND ST SIG
100347 CHAPPELL CENTRAL INC										
00006175 CHECK DATE: 01/29/2019		12/31/2018	012919	326493	1,029.68	01/30/2019	INV	PD	WTP	
00006223 CHECK DATE: 01/29/2019		12/31/2018	012919	326493	108.00	01/30/2019	INV	PD	WELL #4	
00006226 CHECK DATE: 01/29/2019		12/31/2018	012919	326493	1,283.28	01/30/2019	INV	PD	WTP	
					2,420.96					
100363 CHASKA HISTORICAL SOCIETY										
62138 CHECK DATE: 01/29/2019		01/07/2019	012919	326494	50.00	01/31/2019	INV	PD	Purchase of Chaska MN Riv	
100377 CHASKA ROTARY CLUB										
4282 CHECK DATE: 01/29/2019		10/04/2018	012919	326495	179.00	02/03/2019	INV	PD	Rotary dues and breakfast	
4506 CHECK DATE: 01/29/2019		01/03/2019	012919	326495	191.00	02/03/2019	INV	PD	Rotary dues-Knight	
4516 CHECK DATE: 01/29/2019		01/03/2019	012919	326496	191.00	02/03/2019	INV	PD	QUARTERLY DUES, MEALS-M P	
					561.00					
100379 CHANHASSEN SENIOR CENTER										



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
62149		01/09/2019	012919	326497	928.20	02/04/2019	INV	PD	You Smell Barn- Admission
CHECK DATE: 01/29/2019									
102659 ICON ENTERPRISES INC									
181349		12/31/2018	012919	326498	2,490.00	01/30/2019	INV	PD	CITY INTRANET SETUP & HOS
CHECK DATE: 01/29/2019									
100418 CLEARSOFT INC									
111-318		01/01/2019	012419	326448	75.00	02/01/2019	INV	PD	JAN 2019 WATER SOFTENER R
CHECK DATE: 01/24/2019									
12/20/18		12/20/2018	011519	326435	1,193.64	01/20/2019	INV	PD	CCC salt
CHECK DATE: 01/15/2019									
					1,268.64				
100416 ROGER CLEVELAND GOLF CO INC									
5414761 NN		06/19/2018	012919	326499	-228.00	07/19/2018	CRM	PD	resale credit wedge net d
CHECK DATE: 01/29/2019									
5463511 SO		08/30/2018	012919	326499	2,176.08	04/15/2019	INV	PD	2019 resale
CHECK DATE: 01/29/2019									
5463512 SO		08/30/2018	012919	326499	967.20	06/15/2019	INV	PD	2019 resale
CHECK DATE: 01/29/2019									
5468912 SZ		09/04/2018	012919	326499	769.06	04/15/2019	INV	PD	2019 demo/rentals
CHECK DATE: 01/29/2019									
5471534 SO		09/06/2018	012919	326499	739.97	04/15/2019	INV	PD	2019 resale
CHECK DATE: 01/29/2019									
5472789 SZ		09/09/2018	012919	326499	271.00	04/15/2019	INV	PD	2019 Demo/Rentals
CHECK DATE: 01/29/2019									
5483940 SO		09/18/2018	012919	326499	644.80	06/15/2019	INV	PD	2019 resale
CHECK DATE: 01/29/2019									
5486175 N7		09/19/2018	012919	326499	-537.22	10/19/2018	CRM	PD	resale credit
CHECK DATE: 01/29/2019									
5487289 SO		09/20/2018	012919	326499	322.40	06/15/2019	INV	PD	2019 resale
CHECK DATE: 01/29/2019									
5536429 CA		11/29/2018	012919	326499	-1,626.30	12/29/2018	CRM	PD	resale credit returned cl
CHECK DATE: 01/29/2019									
5545286 CA		12/12/2018	012919	326499	-261.80	01/12/2019	CRM	PD	resale credit returned we
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
100419 CLOVER CONDOMINIUM ASSN					3,237.19				
1005000101-1/2019 CHECK DATE: 01/09/2019	190002	01/08/2019	010919	326428	291.90	01/15/2019	INV	PD	JAN 2019 COMMUNITY ROOM D
1005000101-2/2019 CHECK DATE: 01/29/2019	190002	01/15/2019	012919	326500	291.90	02/15/2019	INV	PD	FEB 2019 COMMUNITY ROOM D
100428 COBRA GOLF INC					583.80				
DC109997 CHECK DATE: 01/29/2019		09/11/2018	012919	326501	-72.00	10/11/2018	CRM	PD	resale credit returned sh
X346849 CHECK DATE: 01/29/2019		12/04/2018	012919	326501	529.18	02/02/2019	INV	PD	2019 Demo / Rentals
100436 COMCAST CORPORATION					457.18				
0033141Jan19CCC CHECK DATE: 01/15/2019		12/25/2018	011519	326436	42.01	01/19/2019	INV	PD	Jan CCC cable
0055482 JAN19 CHECK DATE: 01/24/2019		01/12/2019	012419	326449	13.53	02/06/2019	INV	PD	JAN FD CABLE
0318609Jan19Fitness CHECK DATE: 01/15/2019		12/23/2018	011519	326436	326.08	01/17/2019	INV	PD	Jan fitness cable
62215TC CHECK DATE: 01/24/2019		01/07/2019	012419	326449	153.86	02/01/2019	INV	PD	clubhouse cable
100429 COORDINATED BUSINESS SYSTEMS LTD					535.48				
CNIN298754 CHECK DATE: 01/29/2019		01/07/2019	012919	326505	355.28	01/17/2019	INV	PD	JAN 2019 PRINTER CONTRACT
CNIN298755 CHECK DATE: 01/29/2019		01/07/2019	012919	326503	38.52	02/07/2019	INV	PD	copier contract
CNIN298776 CHECK DATE: 01/29/2019		01/07/2019	012919	326502	37.43	02/07/2019	INV	PD	HP Color M452dw
CNIN298902 CHECK DATE: 01/29/2019		01/08/2019	012919	326504	750.13	02/08/2019	INV	PD	Maintenance contract
106301 CORE AND MAIN LP					1,181.36				



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
J947194 CHECK DATE: 01/29/2019		01/03/2019	012919	326506	136.56	02/03/2019	INV	PD	ATHLETIC PARK DRAINTILE
J978514 CHECK DATE: 01/29/2019	190009	01/03/2019	012919	326506	904.56	02/03/2019	INV	PD	WATER STOCK MEGALUG & UNI
K009677 CHECK DATE: 01/29/2019	190010	01/10/2019	012919	326506	231.67	02/10/2019	INV	PD	WATER STOCK DRAIN PLUNGER
					1,272.79				
100464 CREATIVE ARC INC 13739 CHECK DATE: 01/29/2019		01/01/2019	012919	326507	225.00	01/31/2019	INV	PD	Qtrly web hosting
107208 CREEKS RUN PHASE II LLC 61996 CHECK DATE: 01/29/2019		01/10/2019	012919	326508	3,504.11	02/10/2019	INV	PD	PAYGO NOTE PMT-CREEKS RUN
61997 CHECK DATE: 01/29/2019		01/10/2019	012919	326508	3,504.11	02/10/2019	INV	PD	PAYGO NOTE PMT-CREEKS RUN
					7,008.22				
100479 CULLIGAN-METRO BROOKLYN PARK 62116 CHECK DATE: 01/24/2019		12/31/2018	012419	326450	32.25	01/20/2019	INV	PD	COOLER RENT & WATER
103057 CUSTOMIZED FIRE RESCUE TRAINING INC 1379 CHECK DATE: 01/29/2019		12/30/2018	012919	326509	5,480.00	01/30/2019	INV	PD	FIRE SCHOOL-4 FIREFIGHTER
1405 CHECK DATE: 01/29/2019		12/28/2018	012919	326509	200.00	01/28/2019	INV	PD	TRAINING FOR INSTRUCTOR T
					5,680.00				
100517 DE LAGE LANDEN FINANCIAL SERVICES 61866191 CHECK DATE: 01/15/2019		12/22/2018	011519	326437	501.00	01/15/2019	INV	PD	Ricoh/MPC5503
101342 STATE OF MINNESOTA DEPT OF PUBLIC SAFETY 1003500562018M-97006 CHECK DATE: 01/29/2019		01/07/2019	012919	326510	25.00	02/06/2019	INV	PD	MN HAZARDOUS MATERIALS IN

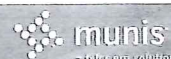


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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
103870 DIVERSIFIED PLUMBING AND HEATING INC									
24629		12/27/2018	012919	326511	192.20	12/27/2018	INV	PD	KITCHEN SINK REPAIR
CHECK DATE: 01/29/2019									
105629 DICKS SANITATION SERVICE INC									
DT0002437039		12/31/2018	012919	326512	596.99	01/31/2019	INV	PD	JAN CCC TRASH PICKUP
CHECK DATE: 01/29/2019									
100567 DVS RENEWAL									
62304		01/23/2019	012919	326513	11.00	01/31/2019	INV	PD	Registration for Sqaud 11
CHECK DATE: 01/29/2019									
62313		01/23/2019	012919	326513	11.00	02/28/2019	INV	PD	Registration for sqaud 11
CHECK DATE: 01/29/2019									
					22.00				
104093 ELAVON INC									
FODE439D		12/19/2018	012919	326514	384.77	01/19/2019	INV	PD	2 magtek card readers for
CHECK DATE: 01/29/2019									
107348 ELMI, SHAMIS									
30914		01/14/2019	012919	326515	64.29	02/14/2019	INV	PD	METER DEPOSIT REFUND-2912
CHECK DATE: 01/29/2019									
102657 ENERGY MANAGEMENT SOLUTIONS INC									
9446		01/01/2019	012919	326516	6,803.85	02/05/2019	INV	PD	MONTHLY RETAINER JAN 2019
CHECK DATE: 01/29/2019									
105728 FIDELITY SECURITY LIFE INSURANCE COMPANY									
163746441		12/29/2018	010919	326429	600.07	01/29/2019	INV	PD	JAN 2019 EMP VISION INS P
CHECK DATE: 01/09/2019									
105908 FAMILY SUPPORT REGISTRY									
PR010419#10859189		01/04/2019	010719	326420	34.00	01/04/2019	INV	PD	010419 Payroll Child Supp
CHECK DATE: 01/07/2019									
PR01181910859189		01/18/2019	011819	326445	34.00	01/18/2019	INV	PD	011819 Payroll Child Supp
CHECK DATE: 01/18/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
					68.00				
100655 FERRELLGAS 7780961									
1103264581		10/31/2018	012919	326517	79.82	01/10/2019	INV	PD	PROPANE
CHECK DATE: 01/29/2019									
1104460929		01/07/2019	012919	326517	25.50	02/07/2019	INV	PD	PROPANE
CHECK DATE: 01/29/2019									
					105.32				
106319 CHAD JEREMY FIGG									
DEC 2018		01/04/2019	012919	326518	420.60	02/04/2019	INV	PD	DEC TAE KWON DO
CHECK DATE: 01/29/2019									
100673 FLEETPRIDE INC									
18056410		01/10/2019	012919	326519	36.61	02/10/2019	INV	PD	#327 TANKER PARK
CHECK DATE: 01/29/2019									
18057019		01/10/2019	012919	326519	866.88	02/10/2019	INV	PD	#311 FIRE TRUCK HEAD LIGH
CHECK DATE: 01/29/2019									
					903.49				
100680 FORCE AMERICA INC									
IN001-1305123		01/08/2019	012919	326520	479.40	02/08/2019	INV	PD	#116 STREET
CHECK DATE: 01/29/2019									
104338 FORD, MICHAEL									
DEC 18		12/31/2018	012919	326521	51.28	02/04/2019	INV	PD	DEC IS MILEAGE
CHECK DATE: 01/29/2019									
100693 FS3 INC									
51290		01/09/2019	012919	326522	118.82	02/08/2019	INV	PD	CHUTE
CHECK DATE: 01/29/2019									
51315		01/04/2019	012919	326522	1,486.87	02/03/2019	INV	PD	CONTINUOUS COUPLERS
CHECK DATE: 01/29/2019									
					1,605.69				
100708 GEAR WASH LLC									
14817		01/03/2019	012919	326523	655.66	02/02/2019	INV	PD	GEAR TESTING FOR FIREFIGH
CHECK DATE: 01/29/2019									

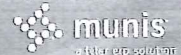


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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
100729 GILBERT MECHANICAL CONTRACTORS INC									
175231		01/02/2019	012919	326524	653.00	02/02/2019	INV	PD	HVAC SERVICE
CHECK DATE: 01/29/2019									
107343 GOMER, JOANN									
2004809.002		01/07/2019	011519	326438	24.57	02/07/2019	INV	PD	MEMBERSHIP TRANSFER TO AN
CHECK DATE: 01/15/2019									PAYEE: GOMER, JOANN
106901 INFLECTION.COM INC									
CIT02939006		12/31/2018	012919	326525	164.00	01/31/2019	INV	PD	BACKGROUND CHECKS
CHECK DATE: 01/29/2019									
101463 GOPHER STATE ONE CALL									
8120268		12/31/2018	012919	326526	135.00	01/28/2019	INV	PD	DECEMBER LOCATES
CHECK DATE: 01/29/2019									
9000270		01/15/2019	012919	326526	50.00	02/15/2019	INV	PD	2019 FACILITY OPERATOR FE
CHECK DATE: 01/29/2019									
100752 GPSI LEASING II - ACCORD LLC					185.00				
REP0006109		12/30/2018	012919	326527	215.00	01/30/2019	INV	PD	GPS repair
CHECK DATE: 01/29/2019									
REP0006256		01/10/2019	012919	326527	615.00	02/10/2019	INV	PD	GPS repair
CHECK DATE: 01/29/2019									
100759 GRAINGER					830.00				
9045864874		01/03/2019	012919	326528	117.36	02/02/2019	INV	PD	cleaning supplies
CHECK DATE: 01/29/2019									
9049636575		01/08/2019	012919	326528	326.43	02/07/2019	INV	PD	vending microwave
CHECK DATE: 01/29/2019									
100770 GREEN LIGHTS RECYCLING INC					443.79				
18-8434		12/19/2018	012919	326529	112.28	01/19/2019	INV	PD	RECYCLING OF LIGHT BULBS
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
100785 HACH COMPANY									
11282861		01/04/2019	012919	326530	457.55	02/04/2019	INV	PD	WTP CHEMICALS
CHECK DATE:	01/29/2019								
11284971		01/07/2019	012919	326530	40.69	02/07/2019	INV	PD	WTP CHEMICALS
CHECK DATE:	01/29/2019								
					498.24				
100810 HAWKINS INC									
4421525		12/28/2018	012919	326531	15.00	02/11/2019	INV	PD	DEMURRAGE
CHECK DATE:	01/29/2019								
4421639		12/28/2018	012919	326531	10.00	02/11/2019	INV	PD	DEMURRAGE
CHECK DATE:	01/29/2019								
					25.00				
100848 HIGH TECH CLEANING INC									
14452		01/02/2019	012919	326532	396.84	02/02/2019	INV	PD	FIRE STATION SUPPLIES
CHECK DATE:	01/29/2019								
14464		01/01/2019	012919	326532	485.16	02/01/2019	INV	PD	COMMUNITY ROOM - CLOVER R
CHECK DATE:	01/29/2019								
14465		01/01/2019	012919	326532	1,495.91	02/01/2019	INV	PD	FIRE STATION
CHECK DATE:	01/29/2019								
14466		01/01/2019	012919	326532	1,140.83	02/01/2019	INV	PD	HISTORY CENTER
CHECK DATE:	01/29/2019								
14467		01/01/2019	012919	326532	202.15	02/01/2019	INV	PD	IT DEPARTMENT
CHECK DATE:	01/29/2019								
14468		01/01/2019	012919	326532	1,971.55	02/01/2019	INV	PD	MSB
CHECK DATE:	01/29/2019								
14469		01/01/2019	012919	326532	161.72	02/01/2019	INV	PD	STANTEC BUILDING
CHECK DATE:	01/29/2019								
14470		01/01/2019	012919	326532	625.00	02/01/2019	INV	PD	WTP
CHECK DATE:	01/29/2019								
14510		01/17/2019	012919	326532	84.68	02/17/2019	INV	PD	CITY HALL SUPPLIES
CHECK DATE:	01/29/2019								
14663		01/01/2019	012919	326532	3,092.25	02/01/2019	INV	PD	CITY HALL
CHECK DATE:	01/29/2019								
					9,656.09				
103546 HINTZE, ROBERT									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
DEC 18 CHECK DATE: 01/29/2019		12/31/2018	012919	326533	12.68	02/04/2019	INV	PD	DEC IS MILEAGE
107209 LAWRENCE K HO									
CCH-20190104 CHECK DATE: 01/29/2019		01/04/2019	012919	326534	170.17	02/04/2019	INV	PD	CITY HALL INTERPRETATION
100859 HOISINGTON KOEGLER GROUP INC									
017-038-14 CHECK DATE: 01/29/2019		01/10/2019	012919	326535	9,897.62	02/10/2019	INV	PD	CITY SQUARE WEST-DEC
018-003-3 CHECK DATE: 01/29/2019		12/09/2018	012919	326535	3,777.50	01/09/2019	INV	PD	BRICKYARD WALL DESIGN
018-003-4 CHECK DATE: 01/29/2019		01/09/2019	012919	326535	3,717.06	02/09/2019	INV	PD	BRICKYARD WALL DESIGN FOR
					17,392.18				
106151 HOLT TOUR AND CHARTER INC									
42557 CHECK DATE: 01/29/2019		01/15/2019	012919	326536	600.00	02/15/2019	INV	PD	Transportation to Ames Ce
100878 HUEBSCH									
84178/DEC2018 CHECK DATE: 01/29/2019		12/31/2018	012919	326537	944.57	01/10/2019	INV	PD	DEC 2018 RUG/MAT SVC
104063 HYDRO-KLEAN LLC									
61438 CHECK DATE: 01/29/2019		12/31/2018	012919	326538	56.53	01/30/2019	INV	PD	AIR FLOW SWITCH
100889 INTERNATIONAL CITY MGMT ASSN RETIREMENT CORP									
2019/0104-ICMA CHECK DATE: 01/07/2019		01/04/2019	010719	326421	3,257.73	01/04/2019	INV	PD	20190104 - Payroll 457 &
100896 IMAGE TREND INC									
114735 CHECK DATE: 01/29/2019		01/02/2019	012919	326539	247.20	02/02/2019	INV	PD	ANNUAL FEE-ELITE FIRE CAD
104751 IMPACT MAILING OF MINNESOTA INC									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
137632		12/28/2018	012919	326540	1,106.58	01/28/2019	INV	PD	Dec Reminder Notices 12/1
CHECK DATE: 01/29/2019									
137637		12/28/2018	012919	326540	259.00	01/28/2019	INV	PD	Dec Final bills 12/14/18
CHECK DATE: 01/29/2019									
137640		12/28/2018	012919	326540	8,476.32	01/28/2019	INV	PD	Dec Bills & ST Qtrly 12/2
CHECK DATE: 01/29/2019									
					9,841.90				
100920 IN TIME SERVICES INC									
9500		01/01/2019	012919	326541	3,000.00	02/01/2019	INV	PD	Patrol scheduling service
CHECK DATE: 01/29/2019									
100900 INDELCO PLASTICS CORPORATION									
INV089811		01/18/2019	012919	326542	95.07	02/17/2019	INV	PD	pipe fittings
CHECK DATE: 01/29/2019									
107327 BLAKE CHRISTENSON									
61968		01/07/2019	012919	326543	2,000.00	02/07/2019	INV	PD	FD FITNESS PROGRAM
CHECK DATE: 01/29/2019									
100943 JEFFERSON FIRE & SAFETY INC									
IN100647		12/15/2018	012919	326544	2,104.50	01/04/2019	INV	PD	FAN FOR LADDER TRUCK
CHECK DATE: 01/29/2019									
IN100649		12/15/2018	012919	326544	360.00	01/04/2019	INV	PD	HOODS FOR FIREFIGHTERS
CHECK DATE: 01/29/2019									
IN101441		12/31/2018	012919	326544	364.75	01/31/2019	INV	PD	LIGHTS FOR FIREFIGHTERS H
CHECK DATE: 01/29/2019									
IN101586		12/31/2018	012919	326544	1,949.90	01/31/2019	INV	PD	CARVER COUNTY EM W/REIMBU
CHECK DATE: 01/29/2019									
					4,779.15				
107347 JONES, JOSHUA									
10007990		01/14/2019	012919	326545	59.84	02/14/2019	INV	PD	METER DEPOSIT REFUND-1115
CHECK DATE: 01/29/2019									
106576 KLC OF WILLMAR INC									
45		01/03/2019	012919	326546	8,503.75	02/03/2019	INV	PD	CITY REGIONAL POND DESIGN

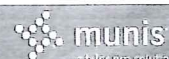


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City of Chaska
VENDOR INVOICE LIST

P 16
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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 01/29/2019									
100999 KLEBER, MIKE									
62195		01/16/2019	012919	326547	15.02	01/29/2019	INV	PD	Training supplies for the
CHECK DATE: 01/29/2019									
107342 KOSOVAN, OLGA									
2004790.002		01/04/2019	011519	326439	52.74	02/04/2019	INV	PD	MEMBERSHIP TRANSFER TO AN
CHECK DATE: 01/15/2019 PAYEE: KOSOVAN, OLGA									
101023 KUSSMAUL ELECTRONICS CO INC									
0000138178		01/08/2019	012919	326548	381.24	02/08/2019	INV	PD	#311 FIRE TRUCK REPAIR
CHECK DATE: 01/29/2019									
0000138344		01/09/2019	012919	326548	28.41	02/09/2019	INV	PD	#311 FIRE TRUCK REPAIR
CHECK DATE: 01/29/2019									
					409.65				
107349 LAMB, EARL									
31007		01/14/2019	012919	326549	60.77	02/14/2019	INV	PD	METER DEPOSIT REFUND-110
CHECK DATE: 01/29/2019									
101043 LANO EQUIPMENT INC									
01-628503		12/26/2018	012919	326550	-266.27	01/26/2019	CRM	PD	CREDIT PARK
CHECK DATE: 01/29/2019									
01-629064		12/28/2018	012919	326550	14.86	01/28/2019	INV	PD	BOBCAT BROOM SWEEPER PART
CHECK DATE: 01/29/2019									
01-629953		01/03/2019	012919	326550	12.16	01/30/2019	INV	PD	#167 BOBCAT SWEEPER
CHECK DATE: 01/29/2019									
01-641171		01/11/2019	012919	326550	85.59	02/11/2019	INV	PD	BOBCAT PARTS
CHECK DATE: 01/29/2019									
01-641195		01/11/2019	012919	326550	2,027.85	02/11/2019	INV	PD	CHAIN SAW
CHECK DATE: 01/29/2019									
					1,874.19				
107341 LARSON, DIANE									
2004782.002		01/03/2019	011519	326440	500.00	02/03/2019	INV	PD	DAMAGE DEPOSIT REFUND-12/
CHECK DATE: 01/15/2019 PAYEE: LARSON, DIANE									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101050 LAW ENFORCEMENT LABOR SERVICES INC									
January 2019		01/04/2019	010719	326422	1,122.00	01/04/2019	INV	PD	January 2019 Police Union
CHECK DATE: 01/07/2019									
101058 LEAGUE OF MINNESOTA CITIES									
286471		01/08/2019	012919	326551	2,340.00	02/08/2019	INV	PD	PATROL subscription for o
CHECK DATE: 01/29/2019									
101065 RANDALL K LEE									
31805		12/27/2018	012919	326552	221.50	01/27/2019	INV	PD	ICE MAKER REPAIR
CHECK DATE: 01/29/2019									
107009 TRITECH SOFTWARE SYSTEMS									
CA0000000516		01/01/2019	012919	326553	15,530.09	02/01/2019	INV	PD	Maintenance contract
CHECK DATE: 01/29/2019									
101080 BRUNSWICK CORPORATION									
5954282		12/20/2018	012919	326554	55.00	01/19/2019	INV	PD	bike T V repair
CHECK DATE: 01/29/2019									
5954808		12/20/2018	012919	326554	155.00	01/19/2019	INV	PD	step mill
CHECK DATE: 01/29/2019									
					210.00				
101093 LITTLE FALLS MACHINE INC									
353431		12/27/2018	012919	326555	567.53	01/26/2019	INV	PD	SNOW
CHECK DATE: 01/29/2019									
101097 LOCATORS & SUPPLIES INC									
0272503-IN		12/28/2018	012919	326556	1,382.55	01/28/2019	INV	PD	LOCATING FLAGS
CHECK DATE: 01/29/2019									
0272598-IN		01/04/2019	012919	326556	172.93	02/04/2019	INV	PD	RUBBER GLOVES
CHECK DATE: 01/29/2019									
					1,555.48				
103842 LOCAL GOVERNMENT INFORMATION SYSTEMS									
46337		12/31/2018	012919	326557	654.00	01/30/2019	INV	PD	DEC SA Support
CHECK DATE: 01/29/2019									

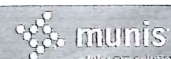


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City of Chaska
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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101102 LOUIS DEGIDIO SERVICES INC									
14209		01/08/2019	012919	326558	4,592.00	02/07/2019	INV	PD	CITY HALL BOILER REPLACEM
CHECK DATE: 01/29/2019									
105139 LUBE TECH AND PARTNERS LLC									
1300421		01/04/2019	012919	326559	749.70	02/03/2019	INV	PD	FUELS AND LUBRICANTS
CHECK DATE: 01/29/2019									
103449 MADDEN GALANTER HANSEN LLP									
62019		01/03/2019	012919	326560	432.00	02/03/2019	INV	PD	NOV LEGAL
CHECK DATE: 01/29/2019									
103176 MANSFIELD OIL COMPANY									
305415		01/15/2019	012919	326561	2,405.20	02/14/2019	INV	PD	DYED DIESEL
CHECK DATE: 01/29/2019									
107309 MATAN, HODAN									
10003401-A		01/14/2019	012919	326562	42.81	02/14/2019	INV	PD	CREDIT BALANCE REFUND-291
CHECK DATE: 01/29/2019									
107352 MCCANN, JANE									
32682		01/14/2019	012919	326563	80.44	02/14/2019	INV	PD	METER DEPOSIT REFUND-325
CHECK DATE: 01/29/2019									
101183 METROPOLITAN COUNCIL									
2018/1231-SAC		12/31/2018	012919	326564	29,521.80	01/31/2019	INV	PD	DEC 2018 SAC CHARGES
CHECK DATE: 01/29/2019									
101182 METROPOLITAN COUNCIL									
0001090803		01/09/2019	012919	326565	202,821.43	02/01/2019	INV	PD	FEB 2019 SEWER SERVICE FO
CHECK DATE: 01/29/2019									
101187 METRO SALES INC									
INV1246275		01/07/2019	012919	326566	197.00	02/06/2019	INV	PD	Contract invoice
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
107192 MEYER CONTRACTING									
32286-A		01/14/2019	012919	326567	60.00	02/14/2019	INV	PD	CREDIT BALANCE REFUND-110
CHECK DATE: 01/29/2019									
103672 MEYER, PAUL									
DEC 18		12/31/2018	012919	326568	58.81	02/09/2019	INV	PD	DEC IS MILEAGE
CHECK DATE: 01/29/2019									
101194 MIDWEST AQUA CARE INC									
61953		12/31/2018	012919	326569	2,330.00	01/30/2019	INV	PD	VEGETATION CONTROL ON THE
CHECK DATE: 01/29/2019									
105998 MILBANK WINWATER WORKS									
154489 00	180216	10/22/2018	012919	326570	7,050.00	02/17/2019	INV	PD	WATER STOCK HERSEY METERS
CHECK DATE: 01/29/2019									
101217 MINNESOTA CHILD SUPPORT PMT CTR									
PR010419#0014172152		01/04/2019	010719	326423	184.12	01/04/2019	INV	PD	010419 Payroll Child Supp
CHECK DATE: 01/07/2019									
PR010419001510208001		01/04/2019	010719	326424	373.66	01/04/2019	INV	PD	010419 Payroll Child Supp
CHECK DATE: 01/07/2019									
PR0118190014172152		01/18/2019	011819	326446	184.12	01/18/2019	INV	PD	011819 Payroll Child Supp
CHECK DATE: 01/18/2019									
PR011819001510208001		01/18/2019	011819	326447	373.66	01/18/2019	INV	PD	011819 Payroll Child Supp
CHECK DATE: 01/18/2019									
					1,115.56				
101222 MINNESOTA CLAY CO USA									
108085		01/05/2019	012919	326571	117.40	02/04/2019	INV	PD	Pottery Supplies
CHECK DATE: 01/29/2019									
101225 MINNESOTA CRIME PREVENTION ASSOCIATION									
61935		01/07/2019	012919	326572	50.00	02/07/2019	INV	PD	Membership dues-J Janke
CHECK DATE: 01/29/2019									
105532 MINNESOTA CURLING ASSOCIATION									

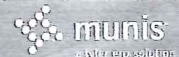


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City of Chaska
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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
61867		12/28/2018	012919	326573	2,895.00	01/28/2019	INV	PD	2018-2019 MCA curling due
CHECK DATE: 01/29/2019									
101211 MINNESOTA DEPT OF AGRICULTURE									
20020159-2019		01/14/2019	012919	326574	10.00	02/14/2019	INV	PD	MOERS-PESTICIDE LICENSE R
CHECK DATE: 01/29/2019									
20038929-2019		01/14/2019	012919	326574	10.00	02/14/2019	INV	PD	DELLWO-PESTICIDE LICENSE
CHECK DATE: 01/29/2019									
20039552-2019		01/14/2019	012919	326574	10.00	02/14/2019	INV	PD	HOLDEN-PESTICIDE LICENSE
CHECK DATE: 01/29/2019									
20126341-2019		01/14/2019	012919	326574	10.00	02/14/2019	INV	PD	GRAMITH-PESTICIDE LICENSE
CHECK DATE: 01/29/2019									
					40.00				
101226 MINNESOTA DEPARTMENT OF NATURAL RESOURCES									
1975-6124-2019		01/08/2019	012919	326575	13,435.79	02/15/2019	INV	PD	WATER USE AND SUMMER SURC
CHECK DATE: 01/29/2019									
101227 MINNESOTA ELEVATOR INC									
782371		01/02/2019	012919	326576	358.28	02/02/2019	INV	PD	JAN CCC ELEVATOR SERVICE
CHECK DATE: 01/29/2019									
101247 MINNESOTA MUNICIPAL UTILITIES ASSN									
52465		01/02/2019	012919	326577	620.00	02/01/2019	INV	PD	E. BRADY - FIRSTLINE SUPE
CHECK DATE: 01/29/2019									
52466		01/02/2019	012919	326577	620.00	02/01/2019	INV	PD	L. ROHLIK - FIRSTLINE SUP
CHECK DATE: 01/29/2019									
52550		01/04/2019	012919	326577	31,375.00	02/03/2019	INV	PD	2019 ELECTRIC UTILITY MEM
CHECK DATE: 01/29/2019									
52735		01/08/2019	012919	326577	1,350.00	02/07/2019	INV	PD	JOB TRAINING AND SAFETY P
CHECK DATE: 01/29/2019									
					33,965.00				
101303 MINNESOTA TEAMSTERS LOCAL #320									
January 2019		12/20/2018	010719	326425	3,375.00	01/04/2019	INV	PD	January 2019 Local #320 U
CHECK DATE: 01/07/2019									
101275 MINNESOTA UI FUND									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
4thQtr2018 CHECK DATE: 01/24/2019		01/08/2019	012419	326451	134.17	02/28/2019	INV	PD	4th Qtr MN UNemployment I
101276 MINNESOTA VALLEY ELECTRIC COOPERATIVE									
107050711/DEC18 CHECK DATE: 01/09/2019		12/27/2018	010919	326430	792.55	01/22/2019	INV	PD	DEC 2018 ST LITES-TOWN CO
107051510/DEC18 CHECK DATE: 01/09/2019		12/21/2018	010919	326430	67.78	01/16/2019	INV	PD	DEC 2018 82ND ST & HWY 41
778320601/DEC18 CHECK DATE: 01/09/2019		12/21/2018	010919	326430	98.64	01/16/2019	INV	PD	DEC 2018 CHEVALLE LIFT ST
778377500/DEC18 CHECK DATE: 01/24/2019		01/07/2019	012419	326452	74.45	02/02/2019	INV	PD	DEC 2018 12500 COUNTY RD
778377800/DEC18 CHECK DATE: 01/24/2019		01/07/2019	012419	326452	82.48	02/02/2019	INV	PD	DEC 2018 4250 ENGLER BLVD
778377900/DEC18 CHECK DATE: 01/24/2019		01/07/2019	012419	326452	72.60	02/02/2019	INV	PD	DEC 2018 4100 ENGLER BLVD
780272000/DEC18 CHECK DATE: 01/09/2019		12/21/2018	010919	326430	10.69	01/16/2019	INV	PD	DEC 2018 CHEVALLE IRRIGAT
					1,199.19				
101341 MINNESOTA DEPT OF LABOR & INDUSTRY									
2018/1231-SUR CHECK DATE: 01/29/2019		12/31/2018	012919	326578	2,266.34	01/31/2019	INV	PD	DECEMBER0190352018
101307 MOBILE MINI INC									
9005648980 CHECK DATE: 01/29/2019		01/11/2019	012919	326579	347.00	02/10/2019	INV	PD	CLOVER RIDGE WARMING HOUS
105995 MONEY MOVERS INC									
115035 CHECK DATE: 01/29/2019		01/02/2019	012919	326580	90.25	02/01/2019	INV	PD	Dec health ins reimburse
103236 MRA-THE MANAGEMENT ASSOCIATION									
09116993 CHECK DATE: 01/29/2019		01/07/2019	012919	326581	700.00	02/07/2019	INV	PD	DEC 2018 COMPENSATION SER
103088 SID TOOL CO INC									

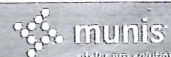


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City of Chaska
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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
2665707001 CHECK DATE: 01/29/2019		12/28/2018	012919	326582	53.43	01/27/2019	INV	PD	SHOP SUPPLIES
2665707002 CHECK DATE: 01/29/2019		12/31/2018	012919	326582	109.79	01/30/2019	INV	PD	SHOP STOCK
					163.22				
101354 MTI DISTRIBUTING INC #700767									
1197634-00 CHECK DATE: 01/29/2019		01/04/2019	012919	326583	212.08	02/04/2019	INV	PD	REPLACEMENT SUNSHIELD
1198186-00 CHECK DATE: 01/29/2019		01/03/2019	012919	326583	42.24	02/03/2019	INV	PD	REEL PARTS
					254.32				
102372 MWOA									
62063 CHECK DATE: 01/29/2019		01/14/2019	012919	326584	60.00	02/14/2019	INV	PD	M. HAEFNER MWOA DUES
101759 MY ALARM CENTER LLC									
11616469 CHECK DATE: 01/29/2019		01/01/2019	012919	326585	96.42	01/30/2019	INV	PD	CITY HALL MONITORING 1/1/
101365 NAPA AUTO PARTS CHASKA									
4472/DEC2018 CHECK DATE: 01/15/2019		12/31/2018	011519	326441	2,835.25	01/31/2019	INV	PD	DEC 2018 PARTS/SUPPLIES
101253 BUSINESS PLANNING CONCEPTS INC									
383600012019 CHECK DATE: 01/07/2019		12/21/2018	010719	326426	144.00	01/10/2019	INV	PD	Jan 19 PERA Life Premiums
105875 NETWORKFLEET INC									
OSV000001656584 CHECK DATE: 01/29/2019		01/01/2019	012919	326586	303.20	02/01/2019	INV	PD	Data processing GPS
101397 NEXTEL COMMUNICATIONS									
123473318-206 CHECK DATE: 01/29/2019		01/18/2019	012919	326587	169.27	02/13/2019	INV	PD	JAN 2019 PHONE SERVICE



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101425 NORTHERN SAFETY TECHNOLOGY INC									
47249		01/09/2019	012919	326588	445.11	02/08/2019	INV	PD	TANKER TRUCK
CHECK DATE:		01/29/2019							
101436 NUCO2 INC									
58038414		01/01/2019	012919	326589	156.83	02/01/2019	INV	PD	pool chemicals
CHECK DATE:		01/29/2019							
58414276		01/15/2019	012919	326589	157.39	02/15/2019	INV	PD	pool chemicals
CHECK DATE:		01/29/2019							
					314.22				
101470 O'REILLY AUTOMOTIVE STORES INC									
556275/DEC2018		12/28/2018	011519	326442	109.02	01/20/2019	INV	PD	DEC 2018 PARTS/SUPPLIES
CHECK DATE:		01/15/2019							
101445 OFFICE DEPOT									
249559956001		12/20/2018	012919	326590	143.98	01/25/2019	INV	PD	Paper, tape
CHECK DATE:		01/29/2019							
249560114001		12/27/2018	012919	326590	74.95	02/01/2019	INV	PD	Pads of paper
CHECK DATE:		01/29/2019							
252117847001		01/02/2019	012919	326590	22.60	02/19/2019	INV	PD	Kleenex
CHECK DATE:		01/29/2019							
252326505001		12/31/2018	012919	326590	28.48	01/19/2019	INV	PD	Portfolios, name badges -
CHECK DATE:		01/29/2019							
252573347001		12/31/2018	012919	326590	17.94	01/19/2019	INV	PD	Binder,dividers
CHECK DATE:		01/29/2019							
253335297001		01/03/2019	012919	326590	22.48	02/02/2019	INV	PD	Misc Office Supplies
CHECK DATE:		01/29/2019							
253379594001		01/03/2019	012919	326590	329.57	02/02/2019	INV	PD	Misc Office Supplies and
CHECK DATE:		01/29/2019							
253988296001		01/04/2019	012919	326590	28.99	02/08/2019	INV	PD	2019 Day Planer
CHECK DATE:		01/29/2019							
254095300001		01/04/2019	012919	326590	50.88	02/09/2019	INV	PD	OFFICE SUPPLIES
CHECK DATE:		01/29/2019							
254274678001		01/03/2019	012919	326590	-15.59	02/15/2019	CRM	PD	Misc Office Supplies
CHECK DATE:		01/29/2019							
254604488001		01/10/2019	012919	326590	12.07	02/15/2019	INV	PD	Pens

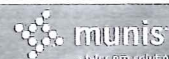


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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 01/29/2019									
255502619001		01/07/2019	012919	326590	5.67	02/09/2019	INV	PD	Wristrest
CHECK DATE: 01/29/2019									
255975982001		01/08/2019	012919	326590	22.49	02/08/2019	INV	PD	2019 day planner
CHECK DATE: 01/29/2019									
255976121001		01/08/2019	012919	326590	12.23	02/08/2019	INV	PD	Post it flags
CHECK DATE: 01/29/2019									
256895515001		01/10/2019	012919	326590	73.28	02/09/2019	INV	PD	Coffee Breakroom
CHECK DATE: 01/29/2019									
257023158001		01/10/2019	012919	326590	21.99	02/15/2019	INV	PD	Sanitizer for desks
CHECK DATE: 01/29/2019									
					852.01				
101465 ON SITE SANITATION INC									
0000709420		01/03/2019	012919	326591	115.00	02/02/2019	INV	PD	CLOVER RIDGE HOCKEY RINK
CHECK DATE: 01/29/2019									
0000709421		01/03/2019	012919	326591	115.00	02/02/2019	INV	PD	FIREMAN'S PARK ICE RINK
CHECK DATE: 01/29/2019									
					230.00				
101462 KIM LINETTE MAXWELL									
Chaska DD Ball 2018		11/16/2018	012919	326592	1,014.00	01/31/2019	INV	PD	Daddy Daughter Princess B
CHECK DATE: 01/29/2019									
106637 PARSONS XTREME GOLF LLC									
AR367289		01/04/2019	012919	326593	760.00	03/05/2019	INV	PD	resale
CHECK DATE: 01/29/2019									
AR367682		01/05/2019	012919	326593	23.57	03/06/2019	INV	PD	resale
CHECK DATE: 01/29/2019									
					783.57				
101489 PASS FENCING INC									
61771		12/20/2018	012919	326594	13,400.00	01/20/2019	INV	PD	LION'S PARK DOG PARK, FRO
CHECK DATE: 01/29/2019									
101491 PATCHIN MESSNER APPRAISALS INC									
21885		01/04/2019	012919	326595	5,990.00	02/04/2019	INV	PD	2019 DT ST RECONSTRUCTION
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101536 PITNEY BOWES GLOBAL FINANCIAL SERVICES LLC									
3102831642		12/31/2018	012919	326596	400.59	01/29/2019	INV	PD	Postage Meter Lease - 10/
CHECK DATE:	01/29/2019								
101543 PLUNKETTS PEST CONTROL INC									
6137697		12/03/2018	012919	326597	65.06	01/03/2019	INV	PD	PEST CONTROL
CHECK DATE:	01/29/2019								
6151679		01/01/2019	012919	326597	1,266.00	01/30/2019	INV	PD	CITY HALL ANNUAL PEST CON
CHECK DATE:	01/29/2019								
					1,331.06				
101557 POWER SYSTEM ENGINEERING INC									
9028927		01/10/2019	012919	326598	2,590.00	02/10/2019	INV	PD	WEST CREEK SUB BUS 2 - EN
CHECK DATE:	01/29/2019								
9028929		01/10/2019	012919	326598	13,458.98	02/10/2019	INV	PD	LAKE HAZELTINE SUB - ENG
CHECK DATE:	01/29/2019								
					16,048.98				
101571 PREMIUM WATERS INC									
417080-12-18		12/31/2018	012919	326599	19.24	01/30/2019	INV	PD	H2O
CHECK DATE:	01/29/2019								
101576 KENNETH F FORNER									
20184861		12/31/2018	012919	326600	539.50	01/24/2019	INV	PD	PATCH DECALS
CHECK DATE:	01/29/2019								
20184862		12/31/2018	012919	326600	285.00	01/31/2019	INV	PD	NAME PLATES FOR FF DESKS
CHECK DATE:	01/29/2019								
20184863		12/31/2018	012919	326600	360.00	01/31/2019	INV	PD	DECALS FOR TRUCKS
CHECK DATE:	01/29/2019								
20184864		12/31/2018	012919	326600	517.00	01/31/2019	INV	PD	DECALS FOR TRAINING ROOM
CHECK DATE:	01/29/2019								
					1,701.50				
103055 QUALITY PROPANE INC									
174071T		12/31/2018	012919	326601	81.39	01/30/2019	INV	PD	L P gas
CHECK DATE:	01/29/2019								



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
174284T		01/07/2019	012919	326601	129.29	02/06/2019	INV	PD	L P gas
CHECK DATE: 01/29/2019									
					210.68				
101600 QUILL CORPORATION									
3749449		12/27/2018	012919	326602	164.98	01/26/2019	INV	PD	BACK-UPS 650VA
CHECK DATE: 01/29/2019									
3888577		01/03/2019	012919	326602	99.59	02/02/2019	INV	PD	OFFICE SUPPLIES
CHECK DATE: 01/29/2019									
452879		01/08/2019	012919	326602	-32.20	02/08/2019	CRM	PD	RETURN (OFFICE SUPPLIES)
CHECK DATE: 01/29/2019									
					232.37				
101684 R & R SPECIALTIES OF WISCONSIN INC									
0066763-IN		12/31/2018	012919	326603	66.90	01/31/2019	INV	PD	blade sharpen
CHECK DATE: 01/29/2019									
0066894-IN		01/14/2019	012919	326603	66.90	02/14/2019	INV	PD	blade sharpen
CHECK DATE: 01/29/2019									
					133.80				
101617 REACH FOR RESOURCES INC									
6844043		11/30/2018	012919	326604	280.00	01/31/2019	INV	PD	Inclusion Hours for Recre
CHECK DATE: 01/29/2019									
6844045		12/31/2018	012919	326604	168.00	01/31/2019	INV	PD	Inclusion Contract Hours
CHECK DATE: 01/29/2019									
					448.00				
107356 REED, LORI									
31770		01/15/2019	012919	326605	100.54	02/15/2019	INV	PD	METER DEPOSIT REFUND/3100
CHECK DATE: 01/29/2019									
101642 RHOMAR INDUSTRIES INC									
93332		01/07/2019	012919	326606	6,075.55	02/06/2019	INV	PD	SIDEWALK DEICER FOR CITY
CHECK DATE: 01/29/2019									
101649 RIDGEVIEW MEDICAL CENTER									
62213		01/09/2019	012919	326607	56.14	02/09/2019	INV	PD	MEDICAL SUPPLIES FOR BAGS
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101652 RIES HEATING & A/C INC									
18869		01/07/2019	012919	326608	288.75	02/07/2019	INV	PD	REPAIRS TO CO RAY VAC HEA
CHECK DATE: 01/29/2019									
18879		01/10/2019	012919	326608	191.75	02/10/2019	INV	PD	REPAIRS TO CO RAY VAC HEA
CHECK DATE: 01/29/2019									
					480.50				
101662 KEVIN G SIEGLE									
16272		12/27/2018	012919	326609	51.00	01/26/2019	INV	PD	Business Cards - Kelly Gr
CHECK DATE: 01/29/2019									
101668 ROBBS ELECTRIC INC									
32017		01/10/2019	012919	326610	1,255.55	01/10/2019	INV	PD	PUT IN FANS/REWIRE TREAD
CHECK DATE: 01/29/2019									
101669 ROBERT HALF TECHNOLOGY									
52560408		01/07/2019	012919	326611	298.74	01/07/2019	INV	PD	CSR - Temp - Swanson - W/
CHECK DATE: 01/29/2019									
52627446		01/15/2019	012919	326611	561.40	02/15/2019	INV	PD	CSR TEMP - SWANSON - W/E
CHECK DATE: 01/29/2019									
52654279		01/21/2018	012919	326611	704.28	02/21/2018	INV	PD	CSR TEMP - SWANSON - W/E
CHECK DATE: 01/29/2019									
					1,564.42				
101703 SALVATION ARMY									
DEC/18 HS		01/08/2019	012919	326612	180.00	02/08/2019	INV	PD	DEC 2018 HEATSHARE CONTRI
CHECK DATE: 01/29/2019									
107350 SAMPICA, MICHAEL									
31203		01/14/2019	012919	326613	19.49	02/14/2019	INV	PD	METER DEPOSIT REFUND-1045
CHECK DATE: 01/29/2019									
107345 SAULSBERRY, ANNA									
2004825.002		01/11/2019	012419	326453	49.50	02/11/2019	INV	PD	DEPOSIT REFUND
CHECK DATE: 01/24/2019						PAYEE: SAULSBERRY, ANNA			
101738 SCHILLING SUPPLY COMPANY									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
696086-00 CHECK DATE: 01/29/2019		12/31/2018	012919	326614	744.64	01/31/2019	INV	PD	cleaning supplies
696087-00 CHECK DATE: 01/29/2019		12/31/2018	012919	326614	370.30	01/31/2019	INV	PD	cleaning supplies
698034-00 CHECK DATE: 01/29/2019		01/10/2019	012919	326614	929.89	02/09/2019	INV	PD	cleaning supplies
698254-00 CHECK DATE: 01/29/2019		01/10/2019	012919	326614	1,542.30	02/10/2019	INV	PD	cleaning supplies
					3,587.13				
107355 SCHRUPP, JACOB									
10009157 CHECK DATE: 01/29/2019		01/14/2019	012919	326615	46.50	02/14/2019	INV	PD	CREDIT BALANCE REFUND-501
101775 THE SHERWIN-WILLIAMS COMPANY-CHANHASSEN									
3797-0 CHECK DATE: 01/29/2019		01/03/2019	012919	326616	71.84	02/20/2019	INV	PD	Paint and painting suppli
7707-1 CHECK DATE: 01/29/2019		01/03/2019	012919	326616	159.24	02/20/2019	INV	PD	WELL #4
7721-2 CHECK DATE: 01/29/2019		01/03/2019	012919	326616	142.34	02/20/2019	INV	PD	WELL #4
					373.42				
104827 ROHN INDUSTRIES INC									
325625 CHECK DATE: 01/29/2019		12/28/2018	012919	326617	20.25	01/28/2019	INV	PD	Secure Document Shredding
101828 SOUTHWEST NEWS MEDIA									
154083-DEC18 CHECK DATE: 01/24/2019		12/31/2018	012419	326456	489.99	01/25/2019	INV	PD	CCC member sale in Holid
192578-DEC18 CHECK DATE: 01/24/2019		12/31/2018	012419	326455	1,270.20	01/25/2019	INV	PD	HOLIDAY SALE 12/6, 12/13;
2036833 CHECK DATE: 01/24/2019		12/13/2018	012419	326454	179.78	01/25/2019	INV	PD	COMMISSION OPENINGS
2037496 CHECK DATE: 01/24/2019		12/20/2018	012419	326454	179.78	01/25/2019	INV	PD	COMMISSION OPENINGS
2037497		12/20/2018	012419	326454	38.40	01/25/2019	INV	PD	SUMMARY OF ORDINANCES 956



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
CHECK DATE: 01/24/2019									
2038488		12/27/2018	012419	326454	150.40	01/25/2019	INV	PD	DEFINITIONS OF FLOOD PLAI
CHECK DATE: 01/24/2019									
2038489		12/27/2018	012419	326454	1,222.40	01/25/2019	INV	PD	AMEND FLOOD PLAIN ORD 956
CHECK DATE: 01/24/2019									
2038490		12/27/2018	012419	326454	76.80	01/25/2019	INV	PD	SEWER RATES
CHECK DATE: 01/24/2019									
2038491		12/27/2018	012419	326454	108.80	01/25/2019	INV	PD	WATER RATES
CHECK DATE: 01/24/2019									
2038492		12/27/2018	012419	326454	140.80	01/25/2019	INV	PD	ELECTRIC RATES
CHECK DATE: 01/24/2019									
					3,857.35				
101916 SOUTHWEST POWER EQUIPMENT									
1-518828		01/08/2019	012919	326618	244.13	02/07/2019	INV	PD	WELL #4
CHECK DATE: 01/29/2019									
101861 STATE SUPPLY COMPANY INC									
551605		01/08/2019	012919	326619	342.73	02/08/2019	INV	PD	pump repairs
CHECK DATE: 01/29/2019									
552170		01/15/2019	012919	326619	275.23	02/15/2019	INV	PD	boiler parts
CHECK DATE: 01/29/2019									
552271		01/15/2019	012919	326619	441.19	02/15/2019	INV	PD	water heater pump
CHECK DATE: 01/29/2019									
					1,059.15				
106630 STEINMETZ CORPORATION									
9325	180022	12/31/2018	012919	326620	9,275.00	01/30/2019	INV	PD	LAKE HAZELTINE SUB COMMIS
CHECK DATE: 01/29/2019									
107353 STEVENS, KATE									
32947		01/14/2019	012919	326621	63.69	02/14/2019	INV	PD	METER DEPOSIT REFUND-2958
CHECK DATE: 01/29/2019									
101884 STOP PROCESSING CENTER									
18053		12/31/2018	012919	326622	279.32	01/31/2019	INV	PD	Auto pay sign-ups 10-1-18
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
101887 ARMOR INC									
54225 CHECK DATE: 01/29/2019		01/10/2019	012919	326623	119.88	02/10/2019	INV	PD	METAL TO WELD ELECTRIC PO
101888 STREICHERS									
CM280610 CHECK DATE: 01/29/2019		09/24/2018	012919	326624	-84.00	01/29/2019	CRM	PD	Panning Initial Issue car
CM280792 CHECK DATE: 01/29/2019		10/15/2018	012919	326624	-54.99	01/29/2019	CRM	PD	Heitkamp Initial Issue eq
CM280819 CHECK DATE: 01/29/2019		10/18/2018	012919	326624	-59.98	01/29/2019	CRM	PD	Martin Initial Issue cuff
CM280820 CHECK DATE: 01/29/2019		10/18/2018	012919	326624	-40.99	01/29/2019	CRM	PD	Dulitz Initial Issue radi
I1338490 CHECK DATE: 01/29/2019		11/07/2018	012919	326624	129.99	02/15/2019	INV	PD	Holasek Initial Issue Hol
I1342366 CHECK DATE: 01/29/2019		12/05/2018	012919	326624	804.76	02/15/2019	INV	PD	Department practice ammo
					694.79				
105849 SUBURBAN ELEVATOR OF MN									
2161 CHECK DATE: 01/29/2019		01/01/2019	012919	326625	415.13	02/01/2019	INV	PD	1ST QTR FD ELEVATOR MAINT
101928 KEITH'S TARPS INC									
5545 CHECK DATE: 01/29/2019		01/15/2019	012919	326626	40.00	02/15/2019	INV	PD	#312 FIRE
101940 TEE JAY NORTH INC									
34285 CHECK DATE: 01/29/2019		01/11/2019	012919	326627	766.00	02/11/2019	INV	PD	PM ON ADA DOORS
101956 THE HARTFORD									
853416501210 CHECK DATE: 01/15/2019		01/04/2019	011519	326443	2,467.64	01/15/2019	INV	PD	JAN 2019 EMP LTD INS PREM
101954 THEIS CONSTRUCTION CO INC									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
18485		12/26/2018	012919	326628	3,468.00	12/26/2019	INV	PD	REPLACEMENT OF DECAYED ST
CHECK DATE: 01/29/2019									
101966 THYSSENKRUPP ELEVATOR CORPORATION									
3004315302		01/01/2019	012919	326629	547.92	01/30/2019	INV	PD	WTP MONITORING 1/1/19-03/
CHECK DATE: 01/29/2019									
104908 TIMESAVER OFF SITE SECRETARIAL INC									
M24367		12/28/2018	012919	326630	456.50	01/03/2019	INV	PD	Planning 12/12, Council 1
CHECK DATE: 01/29/2019									
101990 KANDI KOUNTRY EXPRESS LTD									
411299		12/31/2018	012919	326631	217.56	01/30/2019	INV	PD	SNOW BEARINGS
CHECK DATE: 01/29/2019									
411594		01/09/2019	012919	326631	415.23	02/08/2019	INV	PD	108 SANDER BEARINGS
CHECK DATE: 01/29/2019									
					632.79				
101995 TRANE									
39599040		01/02/2019	012919	326632	1,359.00	02/01/2019	INV	PD	QUARTERLY SERVICE AGREEME
CHECK DATE: 01/29/2019									
102027 TWIN CITIES & WESTERN RAILROAD CO									
M013504-IN		01/16/2019	012919	326633	125.00	02/16/2019	INV	PD	OH LINE CROSSING RXR - JO
CHECK DATE: 01/29/2019									
102028 TWIN CITY WATER CLINIC INC									
12561		01/02/2019	012919	326634	510.00	02/02/2019	INV	PD	DECEMBER WTP SAMPLES
CHECK DATE: 01/29/2019									
102033 TYLER TECHNOLOGIES INC									
045-247951		12/31/2018	012919	326635	8,775.00	02/14/2019	INV	PD	3 TYLER CONNECT REGS & 10
CHECK DATE: 01/29/2019									
102129 UNITED FARMERS COOPERATIVE									
901786		12/28/2018	012919	326636	86.20	01/28/2019	INV	PD	TOWN COURSE CHAIN SAW
CHECK DATE: 01/29/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
902057		01/02/2019	012919	326636	28.55	02/02/2019	INV	PD	TOWN COURSE POLE SAW
CHECK DATE: 01/29/2019									
902487		01/08/2019	012919	326636	1.55	02/08/2019	INV	PD	PARK (CHAIN SAW)
CHECK DATE: 01/29/2019									
					116.30				
102038	ULTIMATE SAFETY CONCEPTS INC								
180800		01/04/2019	012919	326637	84.66	02/04/2019	INV	PD	STRAP FOR BATTERY ON E12
CHECK DATE: 01/29/2019									
102056	GREAT RIVER ENERGY								
DA1812C854		01/11/2019	012919	326638	1,016.00	02/11/2019	INV	PD	LAKE HAZELTINE SUB - DIST
CHECK DATE: 01/29/2019									
103808	UNITED STATES CURLING ASSOCIATION INC								
61811		12/27/2018	012919	326639	10,257.33	01/31/2019	INV	PD	2018-2019 Membership Dues
CHECK DATE: 01/29/2019									
101555	UNITED STATES POSTAL SERVICE								
62122		12/27/2018	012919	326640	485.03	02/10/2019	INV	PD	Postage for AOA Newslette
CHECK DATE: 01/29/2019									
102064	US BANK								
5216907		12/24/2018	012919	326641	500.00	01/24/2019	INV	PD	2015 C UTIL REV PAY AGENT
CHECK DATE: 01/29/2019									
5217060		12/24/2018	012919	326641	450.00	01/24/2019	INV	PD	2017D PAYING AGENT FEES
CHECK DATE: 01/29/2019									
5217064		12/24/2018	012919	326641	450.00	01/24/2019	INV	PD	2017 E PAYING AGENT FEES
CHECK DATE: 01/29/2019									
5222207		12/24/2018	012919	326641	1,700.00	01/24/2019	INV	PD	TRUSTEE FEE 2017A EDA LEA
CHECK DATE: 01/29/2019									
					3,100.00				
106614	US SECURITY ASSOCIATES INC								
2441290		12/27/2018	012919	326642	191.03	01/27/2019	INV	PD	Event Ctr security
CHECK DATE: 01/29/2019									
2449734		01/03/2019	012919	326642	397.94	02/03/2019	INV	PD	Event Ctr security
CHECK DATE: 01/29/2019									

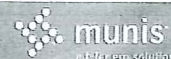


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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
					588.97				
102102 VERIZON WIRELESS									
9820789979		12/21/2018	010919	326431	5,946.83	01/13/2019	INV	PD	JAN 2019 PHONE SERVICE
CHECK DATE: 01/09/2019									
9820891348		12/23/2018	010919	326431	553.46	01/15/2019	INV	PD	DEC 2018 CRADLEPOINTS
CHECK DATE: 01/09/2019									
					6,500.29				
102117 VILLAGE PLUMBING INC									
8129		12/30/2018	012919	326643	2,863.10	01/30/2019	INV	PD	IRRIGATION BACKFLOW PREVE
CHECK DATE: 01/29/2019									
8130		12/30/2018	012919	326643	1,432.65	01/30/2019	INV	PD	ANNUAL RPZ TESTING AND RE
CHECK DATE: 01/29/2019									
					4,295.75				
102126 VOSS ELECTRIC									
15327757-00		01/11/2019	012919	326644	499.20	02/11/2019	INV	PD	bulbs
CHECK DATE: 01/29/2019									
102227 ONVOY LLC									
009426/JAN19		01/01/2019	010919	326432	3,199.52	01/25/2019	INV	PD	JAN 2019 EDU CTR ETHERNET
CHECK DATE: 01/09/2019									
009486/JAN19		01/01/2019	010919	326432	1,827.14	01/25/2019	INV	PD	JAN 2019 CITY HALL EHTERN
CHECK DATE: 01/09/2019									
					5,026.66				
102133 WAGNER PRESS & GRAPHICS									
31281		01/14/2019	012919	326645	332.96	02/14/2019	INV	PD	Winter 2019 Brick City Be
CHECK DATE: 01/29/2019									
102141 WASTE MANAGEMENT-SAVAGE									
7983857-2282-1		12/28/2018	012419	326457	452.34	01/27/2019	INV	PD	PUBLIC WORKS
CHECK DATE: 01/24/2019									
7983859-2282-7		12/28/2018	012419	326457	795.25	01/27/2019	INV	PD	CITY HALL
CHECK DATE: 01/24/2019									
7983872-2282-0		12/28/2018	012419	326457	208.33	01/27/2019	INV	PD	Jan clubhouse trash servi
CHECK DATE: 01/24/2019									



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INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
7983894-2282-4 CHECK DATE: 01/24/2019		12/28/2018	012419	326457	148.14	01/27/2019	INV	PD	VETERAN'S PARK
7983922-2282-3 CHECK DATE: 01/24/2019		12/28/2018	012419	326457	343.31	01/27/2019	INV	PD	FIRE STATION
7985400-2282-8 CHECK DATE: 01/24/2019		12/28/2018	012419	326457	1,512.87	01/27/2019	INV	PD	JAN 2019 CURLING CTR GARB
7986969-2282-1 CHECK DATE: 01/24/2019		01/02/2018	012419	326457	1,322.40	02/01/2019	INV	PD	CHASKA PERM
					4,782.64				
102155 WEISE, CHAD									
61925 CHECK DATE: 01/29/2019		12/21/2018	012919	326646	29.43	01/21/2019	INV	PD	MILEAGE-11/27-12/21
102179 WICKRAMARATNE, LATH									
OCT-DEC 18 CHECK DATE: 01/29/2019		12/31/2018	012919	326647	20.22	02/02/2019	INV	PD	OCT-DEC IS MILEAGE
102189 WM MUELLER & SONS									
241133 CHECK DATE: 01/29/2019		12/11/2018	012919	326648	246.96	01/25/2019	INV	PD	CHEVALLE PARKWAY DRAINTIL
107344 WORM, SCOTT									
2004818.002 CHECK DATE: 01/15/2019		01/09/2019	011519	326444	47.73	02/09/2019	INV	PD	MEMBERSHIP CANCELLATION PAYEE: WORM, SCOTT
102220 NORTHLAND SYSTEMS INC									
75655 CHECK DATE: 01/29/2019		01/07/2019	012919	326649	6,895.00	02/11/2019	INV	PD	JAN 2019 RECOVERY SVC
75656 CHECK DATE: 01/29/2019		01/07/2019	012919	326649	15,810.00	02/11/2019	INV	PD	JAN 2019 SUPPORT SVC
					22,705.00				
102231 ZIEGLER INC									
PC002029267 CHECK DATE: 01/29/2019		12/28/2018	012919	326650	224.00	01/28/2019	INV	PD	SNOW CUTTING EDGE BOLTS



01/25/2019 10:43
8482mrob

City of Chaska
VENDOR INVOICE LIST

P 35
apinvlst

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
107354	ZIOMEK JR, ROBERT P								
10002724		01/14/2019	012919	326651	131.17	02/14/2019	INV	PD	CREDIT BALANCE REFUND-116
CHECK DATE: 01/29/2019									
					131.17				

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383 INVOICES	867,682.02
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** END OF REPORT - Generated by Michelle Robbin **

Wires



01/25/2019 10:44 8482mrob		City of Chaska VENDOR INVOICE LIST				P apinvlst				1
INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION	
105243 ALERUS FINANCIAL										
C74349		01/07/2019	012219	1786	107.10	01/22/2019	DIR	PD	DEC 2018 PARTICIPANT FEES	
CHECK DATE: 01/22/2019										
101756 MII LIFE INCORPORATED										
2019/0102		01/02/2019	010719	1770	29,120.00	01/07/2019	DIR	PD	1/2/19 VEBA CONTRIBUTION	
CHECK DATE: 01/07/2019										
38890127-2018		01/08/2019	011019	1771	690.59	01/10/2019	DIR	PD	2018 1/10/19 FSA REIMBURS	
CHECK DATE: 01/10/2019										
38890127-2019		01/08/2019	011019	1772	26.05	01/10/2019	DIR	PD	2019 1/10/19 FSA REIMBURS	
CHECK DATE: 01/10/2019										
38892838-2018		01/15/2019	011719	1775	5,299.84	01/17/2019	DIR	PD	2018 1/17/19 FSA REIMBURS	
CHECK DATE: 01/17/2019										
38892838-2019		01/15/2019	011719	1776	317.14	01/17/2019	DIR	PD	2019 1/17/19 FSA REIMBURS	
CHECK DATE: 01/17/2019										
38900058-2018		01/22/2019	012419	1788	1,999.92	01/24/2019	DIR	PD	2018 1/24/19 FSA REIMBURS	
CHECK DATE: 01/24/2019										
38900058-2019		01/22/2019	012419	1789	535.16	01/24/2019	DIR	PD	2019 1/24/19 FSA REIMBURS	
CHECK DATE: 01/24/2019										
					37,988.70					
100927 INTERNAL REVENUE SERVICE										
62182		01/18/2019	011819	1778	113,894.66	01/18/2019	DIR	PD	011819 Payroll FICA Feder	
CHECK DATE: 01/18/2019										
100997 KLEINBANK										
6314047-JAN19		01/15/2019	011519	1774	1,400.00	01/15/2019	DIR	PD	JAN 2019 EDA PROMISSORY N	
CHECK DATE: 01/15/2019										
101345 MINNESOTA COMMISSIONER OF REVENUE										
2018/1231-USE		12/31/2018	011819	1784	1,782.87	01/18/2019	DIR	PD	DEC 2018 USE TAX	
CHECK DATE: 01/18/2019										
101346 MINNESOTA COMMISSIONER OF REVENUE										
2018/1231-CC		12/31/2018	011819	1785	8,003.00	01/18/2019	DIR	PD	DEC 2018 CARVER CTY TRANS	
CHECK DATE: 01/18/2019										



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8482mrob

City of Chaska
VENDOR INVOICE LIST

P 2
apinvlst

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
2018/1231-SLS/UB		12/31/2018	011819	1783	110,948.51	01/18/2019	DIR	PD	DEC 2018 GEN/UB SALES TAX
CHECK DATE: 01/18/2019									
					118,951.51				
101343 MINNESOTA DEPT OF REVENUE-PAYROLL WIRES									
62183		01/18/2019	011819	1779	23,592.33	01/18/2019	DIR	PD	011819 Payroll MN State T
CHECK DATE: 01/18/2019									
101249 MINNESOTA MUNICIPAL POWER AGENCY									
2994		01/04/2019	011819	1777	2,232,883.55	01/18/2019	DIR	PD	DEC 2018 ELECTRIC SERVICE
CHECK DATE: 01/18/2019									
101376 NATIONWIDE RETIREMENT SOLUTIONS (USCM)									
62184		01/18/2019	011819	1780	12,847.51	01/18/2019	DIR	PD	011819 Payroll 457 Contri
CHECK DATE: 01/18/2019									
106955 NATIONWIDE RETIREMENT SOLUTIONS (USCM)									
62187		01/18/2019	011819	1782	641.65	01/18/2019	DIR	PD	011819 Payroll Roth Contr
CHECK DATE: 01/18/2019									
104668 OPTUM BANK INC									
61792		01/04/2019	010719	1769	12,863.85	01/07/2019	DIR	PD	010419 Payroll HSA Contri
CHECK DATE: 01/07/2019									
62186		01/18/2019	012219	1787	12,863.85	01/22/2019	DIR	PD	011819 Payroll HSA Contri
CHECK DATE: 01/22/2019									
					25,727.70				
101525 PITNEY BOWES POSTAGE									
2019/0111-PB		01/11/2019	011419	1773	1,199.01	01/14/2019	DIR	PD	1/11/19 REPLENISH POSTAGE
CHECK DATE: 01/14/2019									
101506 PUBLIC EMPLOYEES RETIREMENT ASSOCIATION									
62185		01/18/2019	011819	1781	81,384.72	01/18/2019	DIR	PD	011819 Payroll PERA Contr
CHECK DATE: 01/18/2019									
102066 US BANK									
2019/01/01 DS-1		01/25/2019	012519	1790	659,943.75	01/25/2019	DIR	PD	US BANK-DS PMT DUE 2/1/19
CHECK DATE: 01/25/2019									



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City of Chaska
VENDOR INVOICE LIST

P 3
apinvlst

INVOICE	P.O.	INV DATE	CHECK RUN	CHECK #	INVOICE NET	DUE DATE	TYPE	STS	INVOICE DESCRIPTION
2019/02/01 DS-2 CHECK DATE: 01/25/2019		01/25/2019	012519	1791	746,118.76	01/25/2019	DIR	PD	US BANK-DS PMT DUE 2/1/19
2019/02/01 DS-3 CHECK DATE: 01/25/2019		01/25/2019	012519	1792	1,688,856.25	01/25/2019	DIR	PD	US BANK-DS PMT DUE 2/1/19

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24 INVOICES

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5,747,320.07

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** END OF REPORT - Generated by Michelle Robbin **

**Biweekly Report
January 28, 2019
By
Matt Podhradsky**

Upcoming Council Meeting Schedule Changes

As a reminder, with the MLK Holiday in January and President's Day in February, this does change around our Council meeting schedule for these two months. Below is a schedule of the upcoming Council meetings along with any scheduled work sessions:

- January 28th: Regular Council Meeting with Work Session prior to the meeting from 5:30-7 to discuss Special Election vs Appointment for filling vacant Council seat
- February 4th: Regular Council meeting with Interviews held before the meeting 5:00-6:30 for vacant Commission Seats
- February 18th: NO COUNCIL MEETING-PRESIDENT'S DAY
- February 25th: Regular Council meeting with remaining Interviews held before the meeting 5:00-6:30 for vacant Commission Seats

In March we will get back to the normal 1st, 3rd and 5th Mondays of the month for our Council meetings. If you have any questions or are unable to attend, please just let me know.

Watermain Break-Pioneer Trail

As you are aware, we did have a major watermain break on Wednesday January 23rd which has led to the extended closure of Pioneer Trail from Village Road east to the entrance of Kwik Trip. The good news from this break is that the water was fully restored to everyone within the vicinity within just a few hours of break and that all businesses and residents have access into their sites. The only restricted access was the access to Water's Edge Townhomes, who temporarily will have their only access be their one off Village Road. The bad news is, that while this break was caught very quickly by our crews, it was so large that it undermined the material underneath Pioneer Trail on both the east and west bound lanes. It is a public safety issue with the road being undrivable until it is fixed.

Currently, Carver County and the City are working together to determine the best route for moving forward to fix the road. It appears that it is going to require the complete rebuild of a section of road. The size of this section will be determined once they start excavating and see how much of the road's sub-structure has been undermined. In any case, whatever fix is made will not allow for the road to have a blacktop finish put on it until the Spring time, as the Asphalt plants are closed for the winter.

The messaging we have put out to residents is that they should plan for finding alternative routes for driving for the next several weeks, and to try, if they can, to avoid driving down Bavaria Road or Village Road between Pioneer Trail and Hundertmark. The County is officially declaring Highway 11 and Engler Boulevard as the detour, with us also encouraging Chaska residents to consider using Clover Ridge Drive off Pioneer Trail as an alternate of moving north

south. After this communication, traffic did seem to be better the second morning this closure affected our residents. We will continue to get out updates as we get them.

We want to thank our residents for being patient during this repair and helping us out by finding alternative routes. We completely understand that this is a major inconvenience, and because of that will be moving forward as quickly as we can on the repair. I would also like to thank our Water and Sewer Staff, Matt Haefner and Matt Clark, who put in long hours on the night of this break trying to make this as painless as possible for our residents. Also, a big thank you to our Police Officers on duty that night who did a great job with traffic control.

If you have any questions on this, feel free to let me know.

SW Chaska Park Purchase

As part of the planning for the Southwest Chaska development area, a large Community Park (around 55 acres) was included in the plans to make sure that we take advantage of our last development area to incorporate one more community-scaled park before we are fully developed. As part of the plan, an elementary school was included adjacent to the community park property to be a center-piece of the neighborhood and to take advantage of the synergies between Elementary School Sites and City Parks (i.e. like what we have at Clover Ridge, Jonathan and La Academia Schools).

To implement this, the City of Chaska and the School District entered into a purchase agreement with the land owners of the property in question (the Holasek Family) and developed a purchase agreement by which the School would purchase 6 acres for a future elementary school building, and the City would purchase the surrounding 55-acre park parcel. The purchase agreement was set up so that the School District would purchase the school property if a referendum for this was approved by local voters and the City would take down property over time to match up our acquisition better with Parkland Dedication dollars that are generated off development in that area. The School District closed on the elementary school site a couple of years ago, with the City purchase about a 1/3 of our property at the same time.

We are now at a point where closing on the second phase of the park property is due, based on the purchase agreement for the property. We are now scheduled to close on the second 1/3 of the property in early February, with the final 1/3 being purchased in February of 2020.

As many of you were not here for this purchase agreement being approved, I wanted to make sure you were aware of it and understood why would are closing on a parcel of property in SW Chaska in early February. If you have any questions, do not hesitate to ask me.

Mayor Appointed to Met Council's Transportation Advisory Board

In early January, Mayor Windschitl applied for an opening on the Met Council's Transportation Advisory Board to be a representative for the Metro Cities Organization. There were two seats that were open, with just under 10 applications being received to be considered for filling the seat. I am pleased to announce that Mayor Windschitl was appointed to the TAB and is now an official member of this group. He joins County Board Member Randy Maluchnik for representing our area of the Metro. The Transportation Advisory Board is a very significant committee for the entire State, being the group that makes the recommendations for road projects that should be funded by the State of Minnesota. Many of the decisions about what

policies will be utilized to determine funding in transportation across the Metro and State are made in this committee. It will be good for Chaska and the Southwest Metro to have this voice on the TAB. If you have any questions about this, just let me know.

Christmas Tree in Firemen's Park

I have received questions from a few people asking when the tree in Firemen's Park will be coming down for the season, so I thought I would just share it with all of you. The scheduled date for the crane to be out to take down the panels of the tree will be February 6th, with the frame of the tree coming down on February 7th. The City does not have big enough equipment to take down the tree, so the 100 Club contracts with Rainbow Tree Care to take that down at their expense. I should mention that we do plan on keeping the white lights on the other trees in the park throughout the rest of the winter.

Firemen's Ice Fishing Contest

The Chaska Fire Department will be holding their 62nd annual Ice Fishing Contest on Saturday, February 9th from 1-3 pm at Firemen's Park. As in past years, the contest will be for all in the community whether you fish or not, with prizes and activities for both people fishing, or those who prefer to hang out in the Event Center. If you are interested in purchasing any Raffle tickets for the event, just let me know and I can make sure that we get you in contact with the right individual to purchase tickets. This event is put on annually by the Fire Department's Relief Association, with proceeds going to help supplement the Fire Department's operations with additional equipment that helps enhance their ability to provide a great service to our community. Please let me know if you have any questions.

Transfer of Memory Project

If you are not aware, the Chaska Human Rights Commission, our Police Department and Parks and Recreation Department have been working to host a traveling exhibit that looks at the stories of those who survived the Holocaust during World War 2. This exhibit will be at the Chaska Community Center during the entire month of February for the public to see.

In addition to this, there will be a special program being held the evening of February 10th from 6:30-8 featuring Judy Meisel, a survivor of the Holocaust. Ben Cohen will recount the incredible story of how his grandmother, Judy Meisel, survived Stutthof Concentration Camp and escaped Nazi-occupied Europe. More than 70 years later, Ben found himself face-to-face with one of the Nazi guards from Stutthof as a witness in the ongoing pursuit of justice. Judy will be awarded the 2018 FBI Director's Community Leadership Award at this special event.

If you are available, this will be a unique event for the community to be a part of. If you have any questions, just let me know.

Christmas in May

So you can get it on your calendars, the Christmas in May event for this year will be held on Saturday May 4th starting at 7:30 am with a kick-off breakfast. This will be the 22nd year of the event which brings together the community to help those in need fix their home. It is a great event that brings out many in the community. If you have any questions, just let me know.

**City of Chaska
Memorandum**

To: Administration, Mayor and City Council

From: Lisa Nelson
Controller



Date: January 24, 2019

**RE: Financial Reports –
Year-To-Date (YTD) Ending November 30, 2018**

FINACIAL REPORTS

Enclosed are year-to-date financial reports as of November 30, 2018.

Each fund includes the adopted budget compared to YTD totals and the resulting variance. Also presented is the percentage of actual revenue or expenditures compared to the annual budget.

These draft reports include the following revenues and expenditures:

- YTD revenue receipted by the City.
- YTD revenue from invoices issued by the City.
- YTD payrolls through check dates in November.
- YTD vendor payments that:
 - 1) have previously been approved by the City Council, or
 - 2) are pending approval by the Council at the January 28th meeting.
- Workers Comp and Property Insurance allocations.
- Administrative charges and allocations.

These draft reports do not include the following revenues and expenditures:

- General investment earnings revenue (allocated at year-end)
- Depreciation expense (recorded at year-end)

GENERAL FUND
REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
BUDGET AND ACTUAL
AS OF NOVEMBER 30, 2018

	2018 BUDGET	ACTUAL AS OF 11/30/18	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
REVENUES:				
Property Taxes *	\$ 5,411,040	\$ 2,935,927	\$ (2,475,113)	54%
Franchise Fees:				
Electric	3,669,000	3,522,730	(146,270)	96%
Cable TV	297,054	228,966	(68,088)	77%
Gas	468,000	336,661	(131,339)	72%
Licenses	197,776	167,557	(30,219)	85%
Permits:				
Building	798,000	349,910	(448,090)	44%
Mechanical, Plumbing & Other	448,595	344,469	(104,126)	77%
Intergovernmental:				
Federal	-	8,156	8,156	
State Aid - LGA	1,200	653	(547)	54%
State Aid - MSA	120,000	120,000	-	100%
State Aid - Police and Fire	357,800	374,680	16,880	105%
State - Other	31,594	59,368	27,774	188%
County, School and Local	103,000	112,693	9,693	109%
Charges For Services:				
General Government	217,856	150,113	(67,743)	69%
Public Safety	51,713	71,204	19,491	138%
Public Works	108,178	34,451	(73,727)	32%
Parks & Recreation	160,230	174,258	14,028	109%
Administrative Charges	3,350,285	3,312,510	(37,775)	99%
Fines And Forfeitures	119,454	99,182	(20,272)	83%
Other Revenue	101,705	50,600	(51,105)	50%
TOTAL REVENUES	16,012,480	12,454,088	(3,558,392)	78%
EXPENDITURES:				
General Government:				
Mayor & Council	112,730	152,567	(39,837)	135%
Communications	76,394	94,862	(18,468)	124%
Administration	725,841	882,419	(156,578)	122%
Elections	32,433	21,784	10,649	67%
Finance/Admin Services	1,426,978	1,466,666	(39,688)	103%
Information Services/Admin Services	1,012,010	942,940	69,070	93%
Legal	84,717	97,038	(12,321)	115%
Community Development	990,891	900,849	90,042	91%
Engineering	384,318	346,919	37,399	90%
Government Buildings	220,124	223,152	(3,028)	101%
Total General Government	5,086,436	5,129,196	(62,760)	101%
Public Safety:				
Police	4,001,799	3,791,715	210,084	95%
State DUI Forfeitures	10,303	2,654	7,649	26%
Forfeited Drug Property	-	719	(719)	
Crime Prevention Program	-	639	(639)	
Fire Protection	1,640,483	1,615,867	24,616	98%
Civil Defense	5,615	6,788	(1,173)	121%
Total Public Safety	5,658,200	5,418,382	239,818	96%
Public Works:				
Administration	290,597	314,247	(23,650)	108%
Streets & Alleys	1,490,177	1,329,516	160,661	89%
Snow Removal	186,821	233,376	(46,555)	125%
Signs	14,296	7,030	7,266	49%
Municipal Services/Building	218,150	235,722	(17,572)	108%
Parks Maintenance	1,199,097	1,075,529	123,568	90%
ISD #112 Grounds Maintenance	39,344	32,750	6,594	83%
Tree Control	30,498	53,745	(23,247)	176%
Total Public Works	3,468,980	3,281,915	187,065	95%
Parks & Recreation:				
Administration	583,016	325,948	257,068	56%
Youth Recreation	84,132	132,851	(68,719)	207%
Adult Recreation	83,302	101,005	(17,703)	121%
Beach/Firemen's Park	283,899	153,149	130,750	54%
Hockey & Skating Rinks	9,515	12,238	(2,723)	129%
Total Parks & Recreation	1,023,864	725,191	298,673	71%
Unallocated	795,000	46,105	748,895	6%
TOTAL EXPENDITURES	16,012,480	14,600,789	1,411,691	91%
OTHER FINANCING SOURCES (USES):				
Transfers In	-	250,000	250,000	
NET CHANGE IN FUND BALANCES	-	(1,896,701)	(1,896,701)	

10.C. Financial Reports - November 2018 * Tax settlements are received from Carver County in July and December. Collections include delinquent taxes. Packet Page 220 of...

**MOUNT PLEASANT MAINTENANCE FUND
REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18**

	<u>2018 BUDGET</u>	<u>ACTUAL AS OF 11/30/18</u>	<u>VARIANCE POSITIVE (NEGATIVE)</u>	<u>PERCENT OF BUDGET RECEIVED/ EXPENDED</u>
<u>REVENUES:</u>				
Property Taxes *	\$ 6,000	\$ 3,263	\$ (2,737)	54%
Intergovernmental	-	-	-	
Charges For Services/Lot Sales	2,400	2,450	50	102%
Other	<u>100</u>	<u>-</u>	<u>(100)</u>	0%
TOTAL REVENUES	<u>8,500</u>	<u>5,713</u>	<u>(2,787)</u>	67%
<u>EXPENDITURES:</u>				
Current:				
Public Works:				
Other Services And Charges	8,500	12,240	(3,740)	144%
Capital Outlay	<u>5,000</u>	<u>-</u>	<u>5,000</u>	0%
TOTAL EXPENDITURES	<u>13,500</u>	<u>12,240</u>	<u>1,260</u>	91%
NET CHANGE IN FUND BALANCES	<u>(5,000)</u>	<u>(6,527)</u>	<u>(1,527)</u>	

* Tax settlements are received from Carver County in July and December. Collections include delinquent taxes.

ECONOMIC DEVELOPMENT AUTHORITY (EDA) FUND
REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/18	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
REVENUES:				
Property Taxes *	\$ 475,741	\$ 258,528	\$ (217,213)	54%
Intergovernmental	-	37	37	0%
Charges For Services	80,000	80,000	-	100%
Special Assessments	40,000	17,928	(22,072)	45%
Other Revenue	30,400	47,048	16,648	155%
TOTAL REVENUES	626,141	403,541	(222,600)	64%
EXPENDITURES:				
Current:				
Professional Services	70,628	373,327	(302,699)	529%
Other Charges and Special Events	61,229	35,202	26,027	57%
Administrative Fees	147,284	151,717	(4,433)	103%
Debt Service:				
Principal	11,000	10,843	157	99%
Interest	6,000	4,557	1,443	
Capital Outlay	-	8,960	(8,960)	
TOTAL EXPENDITURES	296,141	584,606	(288,465)	197%
OTHER FINANCING SOURCES (USES):				
Transfers Out	(330,000)	(170,000)	160,000	
NET CHANGE IN FUND BALANCES	\$ -	\$ (351,065)	\$ (351,065)	

* Tax settlements are received from Carver County in July and December. Collections Include delinquent taxes.

EQUIPMENT ACQUISITION FUND
REVENUES, EXPENDITURES AND CHANGES IN FUND BALANCES
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/18	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
REVENUES:				
Property Taxes *	\$ 2,985,300	\$ 675,556	\$ (2,309,744)	23%
Intergovernmental	-	226	226	
Charges For Services	4,000	4,000	-	100%
Leases	100,000	116,860	16,860	117%
Other Revenue	-	55,117	55,117	
TOTAL REVENUES	3,089,300	851,759	(2,237,541)	28%
EXPENDITURES:				
Debt Service:				
Issuance Costs & Fiscal Agent Fees	251,000	-	251,000	
Capital Outlay:				
Furniture And Equipment				
Communications	4,000	-	4,000	0%
Admin. Services-Finance	10,000	66,241	(56,241)	662%
Admin. Services-Information Services	201,500	93,841	107,659	47%
City Buildings	-	123,215	(123,215)	
Police	185,000	69,158	115,842	37%
Fire	51,000	38,369	12,631	75%
Public Works	515,000	315,457	199,543	61%
TOTAL EXPENDITURES	1,217,500	706,281	511,219	58%
OTHER FINANCING SOURCES (USES):				
Transfers In	23,200	23,200	-	100%
Transfers Out	(2,392,000)	(726,190)	1,665,810	30%
Bonds Issued	515,000	-	(515,000)	0%
Sale of Capital Assets	-	33,976	33,976	
TOTAL OTHER FINANCING SOURCES (USES)	(1,853,800)	(669,014)	1,184,786	
NET CHANGE IN FUND BALANCES	\$ 18,000	\$ (523,536)	\$ (541,536)	

* Tax settlements are received from Carver County in July and December. Collections include delinquent taxes.

ELECTRIC FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED / EXPENDED
OPERATING REVENUES:				
Residential Sales	\$ 7,820,000	\$ 7,959,943	\$ 139,943	102%
Senior Sales	378,000	496,893	118,893	131%
Commercial Sales	997,000	1,029,340	32,340	103%
Industrial Sales	23,677,000	24,026,183	349,183	101%
All Other Sales	2,543,000	2,324,547	(218,453)	91%
TOTAL OPERATING REVENUES	35,415,000	35,836,906	421,906	101%
OPERATING EXPENSES:				
Purchased Power	23,517,000	26,422,503	(2,905,503)	112%
Distribution:				
Personnel Services	1,459,216	1,228,434	230,782	84%
Supplies, Services & Other Charges	370,552	348,865	21,687	94%
Administration:				
Personnel Services	323,790	211,287	112,503	65%
Supplies, Services & Other Charges	1,402,359	2,073,822	(671,463)	148%
Utility Billing:				
Personnel Services	237,090	194,555	42,535	82%
Supplies, Services & Other Charges	142,379	211,894	(69,515)	149%
Conservation	674,688	455,099	219,589	67%
Franchise Fees	3,649,000	3,522,730	126,270	97%
Depreciation	-	-	-	
Capital Outlay	1,409,582	2,416,572	(1,006,990)	171%
TOTAL OPERATING EXPENSES	33,185,656	37,085,761	(3,900,105)	112%
OPERATING INCOME	2,229,344	(1,248,855)	(3,478,199)	
NON-OPERATING REVENUES:				
Investment Earnings	-	75,678	75,678	
Intergovernmental	-	74	74	
Gain on Disposal of Capital Assets	-	25,854	25,854	
TOTAL NON-OPERATING REVENUES	-	101,606	101,606	
NON-OPERATING EXPENSES:				
Debt Service - Principal	443,624	395,000	48,624	89%
Debt Service - Principal (Contra Account)	-	(395,000)	395,000	
Debt Service - Interest	440,380	247,929	192,451	56%
Debt Service - Agent Fees	-	450	(450)	
TOTAL NON-OPERATING EXPENSES	884,004	248,379	635,625	28%
INCOME (LOSS) BEFORE CONTRIBUTIONS AND TRANSFERS	1,345,340	(1,395,628)	(2,740,968)	
CAPITAL CONTRIBUTIONS	-	129,736	129,736	
TRANSFERS IN (OUT):				
Transfers (Out)	(1,273,600)	(1,343,600)	(70,000)	
CHANGE IN NET POSITION	\$ 71,740	\$ (2,609,492)	\$ (2,681,232)	

WATER FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Residential Sales	\$ 1,269,000	\$ 1,122,243	\$ (146,757)	88%
Commercial Sales	870,000	797,832	(72,168)	92%
Industrial Sales	332,000	245,152	(86,848)	74%
All Other Sales	430,480	423,975	(6,505)	98%
TOTAL OPERATING REVENUES	2,901,480	2,589,202	(312,278)	89%
OPERATING EXPENSES:				
Pumping	238,936	195,014	43,922	82%
Treatment	266,795	276,128	(9,333)	103%
Distribution:				
Personnel Services	395,467	369,443	26,024	93%
Supplies, Services & Other Charges	336,848	204,812	132,036	61%
Administration :				
Personnel Services	109,287	100,372	8,915	92%
Supplies, Services & Other Charges	454,656	420,613	34,043	93%
Utility Billing:				
Personnel Services	118,544	97,279	21,265	82%
Supplies, Services & Other Charges	34,697	38,593	(3,896)	111%
Depreciation	-	-	-	
Capital Outlay	380,400	377,761	2,639	99%
TOTAL OPERATING EXPENSES	2,335,630	2,080,015	255,615	89%
OPERATING INCOME	565,850	509,187	(56,663)	
NON-OPERATING REVENUES:				
Investment Earnings	1,818	3,796	1,978	209%
Intergovernmental	-	8	8	
Lease - Bountiful Basket	33,000	26,647	(6,353)	81%
TOTAL NON-OPERATING REVENUES	34,818	30,451	(4,367)	87%
NON-OPERATING EXPENSES:				
Debt Service - Principal	1,004,000	529,000	475,000	53%
Debt Service - Principal (Contra Account)	-	(529,000)	529,000	
Debt Service - Interest	313,964	340,804	(26,840)	109%
Old Water Treatment Plant/Bountiful Basket	-	534	(534)	
TOTAL NON-OPERATING EXPENSES	1,317,964	341,338	976,626	26%
INCOME (LOSS) BEFORE CONTRIBUTIONS AND TRANSFERS	(717,296)	198,300	915,596	
CAPITAL CONTRIBUTIONS	10,000	-	(10,000)	
TRANSFERS IN (OUT):				
Transfers In	604,348	426,000	(178,348)	
Transfers (Out)	(55,800)	(55,800)	-	
NET TRANSFERS IN (OUT)	548,548	370,200	(178,348)	
CHANGE IN NET POSITION	\$ (158,748)	\$ 568,500	\$ 727,248	

SEWER FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Residential Sales	\$ 1,453,200	\$ 1,232,046	\$ (221,154)	85%
Commercial Sales	1,015,900	900,300	(115,600)	89%
Industrial Sales	1,067,100	859,634	(207,466)	81%
Other Sales	339,131	310,195	(28,936)	91%
TOTAL OPERATING REVENUE	<u>3,875,331</u>	<u>3,302,175</u>	<u>(573,156)</u>	85%
OPERATING EXPENSES:				
Pumping	48,091	82,045	(33,954)	171%
Treatment	2,308,938	2,308,938	-	100%
Collection:				
Personnel Services	395,468	375,633	19,835	95%
Supplies, Services & Other Charges	232,345	176,793	55,552	76%
Administration:				
Personnel Services	109,286	100,372	8,914	92%
Supplies, Services & Other Charges	453,897	416,294	37,603	92%
Utility Billing:				
Personnel Services	118,544	97,279	21,265	82%
Supplies, Services & Other Charges	34,508	39,153	(4,645)	113%
Depreciation	-	-	-	
Capital Outlay	285,800	238,654	47,146	84%
TOTAL OPERATING EXPENSES	<u>3,986,877</u>	<u>3,835,161</u>	<u>151,716</u>	96%
OPERATING INCOME	<u>(111,546)</u>	<u>(532,986)</u>	<u>(421,440)</u>	
NON-OPERATING REVENUES:				
Investment Earnings	4,242	749	(3,493)	18%
Intergovernmental	-	75	75	
TOTAL NON-OPERATING REVENUES	<u>4,242</u>	<u>824</u>	<u>(3,418)</u>	19%
NON-OPERATING EXPENSES:				
Debt Service - Principal	116,000	116,000	-	100%
Debt Service - Principal (Contra Account)	-	(116,000)	(116,000)	
Debt Service - Interest	47,451	50,486	3,035	106%
TOTAL NON-OPERATING EXPENSES	<u>163,451</u>	<u>50,486</u>	<u>(112,965)</u>	
INCOME (LOSS) BEFORE TRANSFERS	<u>(270,755)</u>	<u>(582,648)</u>	<u>(311,893)</u>	
TRANSFERS IN (OUT):				
Transfers (Out)	<u>(115,800)</u>	<u>(115,800)</u>	<u>-</u>	
CHANGE IN NET POSITION	<u>\$ (386,555)</u>	<u>\$ (698,448)</u>	<u>\$ (311,893)</u>	

CHASKA COMMUNITY CENTER FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/2018

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Admissions	\$ 451,477	\$ 375,405	\$ (76,072)	83%
Memberships	1,147,365	1,019,687	(127,678)	89%
Rentals	975,095	933,520	(41,575)	96%
Charges for Services/Lessons	562,531	480,944	(81,587)	85%
Other Sales	149,221	117,260	(31,961)	79%
TOTAL OPERATING REVENUE	<u>\$ 3,285,689</u>	<u>\$ 2,926,816</u>	<u>\$ (358,873)</u>	89%
OPERATING EXPENSES:				
Personnel Services	1,948,106	1,889,042	59,064	97%
Supplies	230,168	226,010	4,158	98%
Professional Services	841,849	859,857	(18,008)	102%
Other Charges	295,825	333,368	(37,543)	113%
Depreciation	-	-	-	
Capital Outly	-	604,797	(604,797)	
TOTAL OPERATING EXPENSES	<u>3,315,948</u>	<u>3,913,074</u>	<u>(597,126)</u>	118%
OPERATING INCOME	<u>(30,259)</u>	<u>(986,258)</u>	<u>(955,999)</u>	
NON-OPERATING REVENUES:				
Investment Earnings	1,000	3,838	2,838	384%
Sale of Capital Assets	-	1,408	1,408	
TOTAL NON-OPERATING REVENUES	<u>1,000</u>	<u>5,246</u>	<u>4,246</u>	525%
NON-OPERATING EXPENSES:				
Debt Service - Principal	335,000	325,000	10,000	97%
Debt Service - Principal (Contra Account)	-	(325,000)	325,000	
Debt Service - Interest	198,571	171,195	27,376	86%
Issuance Costs & Fiscal Agent Fees	2,750	12,100	(9,350)	440%
TOTAL NON-OPERATING EXPENSES	<u>536,321</u>	<u>183,295</u>	<u>353,026</u>	34%
INCOME (LOSS) BEFORE TRANSFERS	<u>(565,580)</u>	<u>(1,164,307)</u>	<u>(598,727)</u>	
TRANSFERS IN (OUT):				
Transfers In	432,000	432,000	-	
CHANGE IN NET POSITION	<u>\$ (133,580)</u>	<u>\$ (732,307)</u>	<u>\$ (598,727)</u>	

CHASKA PAR 30 FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/2018

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Green Fees	\$ 146,000	\$ 136,634	\$ (9,366)	94%
Cart Rental	12,000	11,739	(261)	98%
Merchandise & Other Sales	6,026	5,059	(967)	84%
TOTAL OPERATING REVENUES	<u>164,026</u>	<u>153,432</u>	<u>(10,594)</u>	94%
OPERATING EXPENSES:				
Golf - Maintenance Dept:				
Personnel Services	78,508	70,712	7,796	90%
Supplies, Services & Other Charges	21,402	14,987	6,415	70%
Golf - Club House:				
Personnel Services	35,112	35,717	(605)	102%
Supplies, Services & Other Charges	41,104	34,100	7,004	83%
Merchandise for Resale	4,000	4,270	(270)	107%
Depreciation	-	-	-	
Capital Outlay	6,000	4,343	1,657	72%
TOTAL OPERATING EXPENSES	<u>186,126</u>	<u>164,129</u>	<u>21,997</u>	88%
 CHANGE IN NET POSITION	 <u>\$ (22,100)</u>	 <u>\$ (10,697)</u>	 <u>\$ 11,403</u>	

CHASKA TOWN COURSE FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Green Fees	\$ 1,296,000	\$ 1,208,204	\$ (87,796)	93%
Driving Range	100,000	81,726	(18,274)	82%
Cart Rental	280,000	261,701	(18,299)	93%
Merchandise	229,000	245,200	16,200	107%
All Other Sales	129,000	142,101	13,101	110%
TOTAL OPERATING REVENUE	\$ 2,034,000	\$ 1,938,932	\$ (95,068)	95%
OPERATING EXPENSES:				
Golf - Maintenance Dept:				
Personnel Services	587,131	548,438	38,693	93%
Supplies, Services & Other Charges	268,822	235,382	33,440	88%
Golf - Club House:				
Personnel Services	465,428	440,305	25,123	95%
Supplies, Services & Other Charges	381,171	403,826	(22,655)	106%
Merchandise for Resale	170,000	196,387	(26,387)	116%
Depreciation	-	-	-	
Capital Outlay	336,000	159,193	176,807	47%
TOTAL OPERATING EXPENSES	2,208,552	1,983,531	225,021	90%
OPERATING INCOME	(174,552)	(44,599)	129,953	
NON-OPERATING EXPENSES:				
Debt Service - Principal	51,400	-	51,400	0%
Debt Service - Interest	18,784	18,636	148	99%
TOTAL NON-OPERATING EXPENSES	70,184	18,636	51,548	27%
CHANGE IN NET POSITION	\$ (244,736)	\$ (63,235)	\$ 181,501	

TURBINE GENERATOR FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Lease Revenue	\$ 2,486,184	\$ 1,521,432	\$ (964,752)	61%
OPERATING EXPENSES:				
Professional Services	74,000	79,496	(5,496)	107%
Other Charges	229,645	172,234	57,411	75%
TOTAL OPERATING EXPENSES	303,645	251,730	51,915	83%
OPERATING INCOME	2,182,539	1,269,702	(912,837)	
NON-OPERATING REVENUES:				
Investment Earnings	-	44,938	44,938	
Interfund Loan Payments	104,219	-	(104,219)	0%
TOTAL NON-OPERATING REVENUES	104,219	44,938	(59,281)	43%
NON-OPERATING EXPENSES:				
Debt Service - Principal	1,140,000	1,140,000	-	100%
Debt Service - Principal (Contra Account)	-	(1,140,000)	1,140,000	
Debt Service - Interest	931,750	698,812	232,938	75%
Issuance Costs & Fiscal Agent Fees	2,750	4,500	(1,750)	164%
TOTAL NON-OPERATING EXPENSES	2,074,500	703,312	1,371,188	34%
CHANGE IN NET POSITION	\$ 212,258	\$ 611,328	\$ 399,070	

INTERNET SERVICE PROVIDER / CHASKA.NET FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Sales	\$ 66,000	\$ 40,272	\$ (25,728)	61%
Pass-thru Revenue	49,000	- *	(49,000)	0%
Other Revenue	2,000	20,000	18,000	1000%
TOTAL OPERATING REVENUES	<u>117,000</u>	<u>60,272</u>	<u>(56,728)</u>	52%
OPERATING EXPENSES:				
Production	66,000	54,925	11,075	83%
Distribution	-	18,879	(18,879)	
Administration	2,000	145	1,855	7%
Pass-thru Expenses	49,000	43,747 *	5,253	89%
Depreciation	-	-	-	
TOTAL OPERATING EXPENSES	<u>117,000</u>	<u>117,696</u>	<u>(696)</u>	101%
INCOME (LOSS) BEFORE TRANSFERS	<u>-</u>	<u>(57,424)</u>	<u>(57,424)</u>	
CHANGE IN NET POSITION	<u>\$ -</u>	<u>\$ (57,424)</u>	<u>\$ (57,424)</u>	

* Pass-thru revenue and expenses are related to service for ISD 112.

STORM WATER FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Residential Sales	\$ 913,000	\$ 879,022	\$ (33,978)	96%
Industrial Sales	711,000	685,660	(25,340)	96%
All Other Sales	3,000	10,612	7,612	354%
TOTAL OPERATING REVENUE	\$ 1,627,000	\$ 1,575,294	\$ (51,706)	97%
OPERATING EXPENSES:				
Collections:				
Personnel Services	203,900	175,474	28,426	86%
Supplies, Services & Other Charges	274,950	167,590	107,360	61%
Administration :				
Personnel Services	85,114	58,704	26,410	69%
Supplies, Services & Other Charges	246,400	253,031	(6,631)	103%
Utility Billing:				
Supplies, Services & Other Charges	22,957	45,578	(22,621)	199%
Depreciation	30,000	-	30,000	
Capital Outlay	562,000	118,778	443,222	21%
TOTAL OPERATING EXPENSES	1,425,321	819,155	606,166	57%
OPERATING INCOME	201,679	756,139	554,460	
NON-OPERATING REVENUES:				
Investment Earnings	-	4,298	4,298	
Intergovernmental		69,263	69,263	
TOTAL NON-OPERATING REVENUES	-	73,561	73,561	
NON-OPERATING EXPENSES:				
Debt Service - Principal	127,333	75,000	52,333	59%
Debt Service - Principal (Contra Account)	-	(75,000)	75,000	
Debt Service - Interest	63,216	42,129	21,087	67%
TOTAL NON-OPERATING EXPENSES	190,549	42,129	148,420	22%
INCOME (LOSS) BEFORE TRANSFERS	11,130	787,571	776,441	
TRANSFERS IN (OUT):				
Transfers In	100,000	100,000	-	
Transfers (Out)	(200,000)	(200,400)	(400)	
NET TRANSFERS IN (OUT)	(100,000)	(100,400)	(400)	
CHANGE IN NET POSITION	\$ (88,870)	\$ 687,171	\$ 776,041	

CHASKA CURLING AND EVENT CENTER FUND
REVENUES, EXPENSES AND CHANGES IN NET POSITION
BUDGET AND ACTUAL
FOR THE PERIOD ENDED 11/30/18

	2018 BUDGET	ACTUAL AS OF 11/30/2018	VARIANCE POSITIVE (NEGATIVE)	PERCENT OF BUDGET RECEIVED/ EXPENDED
OPERATING REVENUES:				
Memberships	\$ 100,498	\$ 143,454	\$ 42,956	143%
Rentals	154,175	128,702	(25,473)	83%
Lessons	169,590	233,796	64,206	138%
Leagues	215,929	200,579	(15,350)	93%
Leases	426,000	385,951	(40,049)	91%
Other Sales Revenue	57,808	82,328	24,520	142%
TOTAL OPERATING REVENUES	1,124,000	1,174,810	50,810	105%
OPERATING EXPENSES:				
Administration:				
Personnel Services	135,094	114,167	20,927	85%
Supplies, Services & Other Charges	319,740	348,304	(28,564)	109%
Event Center:				
Personnel Services	104,760	98,541	6,219	94%
Supplies, Services & Other Charges	35,071	20,134	14,937	57%
Curling Center:				
Personnel Services	334,395	315,160	19,235	94%
Supplies, Services & Other Charges	143,242	115,732	27,510	81%
Crooked Pint	50,499	59,904	(9,405)	119%
Curling/ Non-recurring Events	-	41,803	(41,803)	
Depreciation	-	-	-	
Capital Outlay	778	11,906	(11,128)	
TOTAL OPERATING EXPENSES	1,123,579	1,125,651	(2,072)	100%
OPERATING INCOME	421	49,159	48,738	
NON-OPERATING REVENUES:				
Investment Earnings	-	3,369	3,369	
Miscellaneous	-	-	-	
TOTAL NON-OPERATING REVENUES	-	3,369	3,369	
NON-OPERATING EXPENSES:				
Debt Service-Principal	965,000	965,000	-	100%
Debt Service-Principal (Contra Account)	-	(965,000)	965,000	
Debt Service-Interest	627,630	296,507	331,123	47%
Issuance Costs & Fiscal Agent Fees	1,600	3,200	(1,600)	200%
TOTAL NON-OPERATING EXPENSES	1,594,230	299,707	1,294,523	19%
INCOME (LOSS) BEFORE TRANSFERS	(1,593,809)	(247,179)	1,346,630	
TRANSFERS IN (OUT):				
Transfers In	1,594,230	1,594,230	-	100%
CHANGE IN NET POSITION	\$ 421	\$ 1,347,051	\$ 1,346,630	

**CHASKA HUMAN RIGHTS COMMISSION
CHASKA CITY HALL**

Minutes, 12/27/18

1. Roll Call

Present: Sarah Carlson, Barbara Colhapp, Donzel Leggett, Judy Dunbar, Jen Welvaert, Ellen Bean, Lisa White

Absent: Robert Kim, Celi Haga

Staff: Nate Kabat

2. Adopt Agenda

Motion: Carlson

Second: Leggett

3. Open Forum/Guest Presentation

None

4. Approve Minutes, November 21, 2018

Motion: Carlson

Second: Colhapp

5. Treasurer's Report

a. Treasurer's Report

Nov. Balance: \$412.93

Dec. Balance: \$154.95

Motion: Donate remaining funds to Launch Ministry to support their recent move, by Leggett

Second: Carlson

6. Old Business

a. Human Rights Commission Award Winner

Welvaert discussed the three nominations received. Jim and Lynn Jackson of Connected Families, Pam Langseth of Hope House, and Libby Fairchild who is a resident of Chaska active in many areas. Welvaert noted that all nominees are deserving of the award and her appreciation for their work. Carlson expressed thanks for the people who took time to write and submit nominations. Welvaert encouraged nominations to be submitted again if they are not selected this year.

Motion: Colhapp nominated Libby Fairchild for the 2018 Human Rights Commission Award

Second: Leggett

Welvaert noted the areas of involvement by Fairchild as listed on the nomination. Welvaert mentioned that Fairchild was nominated by Mary Kvitek.

b. MLK Breakfast, January 2019

Welvaert explained work that has been done to determine details for the event. Leggett stated that Adam Bessler, who directs the Jazz Band at the High School needs more time to determine the selections. Leggett suggested that the songs be listed as selection 1 and selection 2 on the agenda. Welvaert stated that the reading selections have been determined for Diversity Club members to read, student names are yet to be determined.

Kabat provided an update on juice and water service to be provided by Crooked Pint.

Carlson suggested all arrive at 7:30 AM to greet guests as they arrive.

Welvaert stated her plan to develop an invitation to send to email addresses collected at last year's event. White suggested including emails collected at River City Days last year. Bean and White agreed to collect names and emails of guests again this year.

Carlson asked about supplying name tags. Kabat agreed to make those available. Welvaert mentioned making coloring sheets available. Leggett confirmed those were included and recalled Filipek had provided that last year. The group agreed that having brochures and the Human Rights Commission handouts for River City Days available at the MLK Day Breakfast as well.

Kabat confirmed that Allison Streich from the CDA along with a resident of the CDA's housing will give the keynote address.

Welvaert added that Shepard of the Hill Church will be hosting a MLK Day service.

c. T-Shirt & Nametag Update

Welvaert noted that the name tags and t-shirts were delivered to all Commission members at tonight's meeting.

7. New Business

a. Discuss Ideas for 2019 Goals

Welvaert stated she would like to begin thinking about goals for 2019. She suggested this is a topic that the group can take on in more detail at the January meeting, but wanted Commissioners to begin thinking about their ideas.

Welvaert suggested that the focus for 2018 of housing and homelessness was useful to bring focus to the group's efforts for the year. She suggested that determining a focus for 2019 would be helpful as well. Welvaert mentioned the Transfer of Memory exhibit that will be taking place in February. Kabat provided a summary of planning for that exhibit. Carlson suggested that she would like time between now and the January meeting to think about ideas to discuss in January.

b. Comments from Commissioner Colhapp

Welvaert offered her thanks to Colhapp for all her work on the Commission and wished her well as she is ending her third term and will need to leave the Commission for at least a year before rejoining if she would like.

Colhapp offered her appreciation for the Human Rights Commission and spoke about how much she has enjoyed her involvement. She offered that the River City Days booth is a very good opportunity to interact with the public and raise awareness of the HRC's role in the community. Colhapp mentioned that she sees an opportunity for the HRC to continue outreach to Chaska residents to hear their concerns and refer them to resources that can assist with their problems. Colhapp raised the question of whether the HRC can serve people outside of Chaska as well. Colhapp stated she believes the HRC is currently on the right track and wished everyone well.

Leggett stated that Colhapp is a treasure for the community and thanked her for the opportunity to work with her. All members joined in thanking Colhapp for her service.

8. Next Meeting Date
January 24, 2019

9. Adjourn
Motion: Carlson
Second: Leggett
Adjourned at 7:15 PM