

Pursuant to due call and notice thereof, a regular meeting of the North Mankato City Council was held in the Municipal Building Council Chambers on March 7, 2016. Mayor Dehen called the meeting to order at 7:00 p.m. asking that everyone join in the Pledge of Allegiance. The following were present for roll call: Mayor Dehen, Council Members Spears, Steiner, Norland and Freyberg, City Administrator Harrenstein, Attorney Kennedy, City Planner Fischer, Public Works Director Swanson and City Clerk Van Genderen. Absent: Finance Director Thorne.

Approval of Agenda

Council Member Norland moved, seconded by Council Member Steiner, to approve the agenda as presented. Vote on the motion: Steiner, Norland, Freyberg, Spears and Dehen aye; no nays. Motion carried.

Approval of Minutes

Council Member Steiner moved, seconded by Council Member Norland to approve the minutes of the Council meeting of February 16, 2016. Vote on the motion: Steiner, Norland, Freyberg, Spears and Dehen aye; no nays. Motion carried.

Public Hearing, 7 pm-Revised City of North Mankato Assessment Policy.

City Engineer Dan Sarff appeared before Council and reviewed changes to the policy. Changes included clarified definitions for project costs, assessable costs and City costs. Language was changed for bituminous overlays to reflect that they will generally not be assessed. Barb Church, 102 Wheeler Avenue, appeared before Council and requested clarification on when bituminous overlays would be assessable. Attorney Kennedy stated bituminous overlays could be assessable if there was a direct benefit to the property that increased the fair market value of the residence by the price of the improvement. Administrator Harrenstein indicated the revised Assessment Policy would be brought before Council for approval on March 21, 2016.

Consent Agenda

Council Member Norland moved, seconded by Council Member Steiner, to approve the Consent Agenda which included:

- A. Bills and Appropriations.
- B. Res. No. 22-16 Approving Donations/Contributions/Grants.
- C. Approved Parade Permit for the American Cancer Society Making Strides Against Breast Cancer 5K Walk on October 8, 2016 from 10 a.m. to 12 noon.
- D. Approved Large Group and Audio Permit for the American Cancer Society Making Strides Against Breast Cancer 5K Walk, Spring Lake Park, Shelter #2 on October 8, 2016 from 8 a.m. to 1 p.m.
- E. Approved Large Group and Audio Permit for True Value Company Picnic, Spring Lake Park, Shelter #1 on August 6, 2016 from 8 a.m. to 6 p.m.
- F. Approved Large Group and Audio Permit for Movies in the Park at Spring Lake Park on June 10, 2016 from 6 p.m. to 10 p.m.
- G. Approved Large Group and Audio Permit for Movies in the Park at Spring Lake Park on August 12, 2016 from 6 p.m. to 10 p.m.
- H. Approved Temporary On-Sale Liquor License for Vista Prairie of Monarch Meadows at 2135 LorRay Drive on April 28, 2016.
- I. Purchase of 2016 John Deere backhoe.
- J. Set Public Hearing at 7 pm on March 21, 2016 for Utility Easement Vacation between Lots 3 and 4 of Block 3 of the Landing North Phase 1.
- K. Review Boulevard Tree Program Application and Tree Selections.

- L. Res. No. 23-16 Declaring Costs to be Assessed for Municipal Charges - 2153 LorRay Drive.
- M. Res. No. 24-16 Declaring Costs to be Assessed for Municipal Charges - 205 Queens Court.
- N. Res. No. 25-16 Declaring Costs to be Assessed for Municipal Charges - 31 Coventry Court.
- O. Res. No. 26-16 Declaring Costs to be Assessed for Municipal Charges - 11 Coventry Court.
- P. Res. No. 27-16 Declaring Costs to be Assessed for Municipal Charges - 424 South Avenue.

Vote on the motion: Steiner, Norland, Freyberg, Spears and Dehen aye; no nays. Motion carried. Council Member Spears requested the price of the backhoe. Administrator Harrenstein indicated the price sheet was inadvertently left out of the packet and the price was \$91,608.00 and a copy of the information would be sent to Council and added to the packet.

Public Comments

Tom Hagen, 927 Lake Street, appeared before Council and stated his continued concern about possible noise pollution at Spring Lake Park.

Barb Church, 102 Wheeler Avenue, appeared before Council and stated she would like confirmation that the Legislation has combined the 4 million and 5 million sales tax and it will all go to referendum. Mayor Dehen indicated more information concerning the sales tax will be forth coming once it comes out of legislative committee.

Business Items

Overview of Belgrade Avenue Master Plan Process. Administrator Harrenstein stated the purpose of the Belgrade Avenue Master Plan is to develop a shared vision with the City, businesses and residents. The Master Plan will focus on the Central Business District but the transportation study would encompass the entire length of Belgrade Avenue. Administrator Harrenstein introduced Megan Flannagan from the City Center Partnership who will be collaborating with the City of North Mankato on the Belgrade Avenue Master Plan. Ms. Flannagan indicated the plan process would include public engagement through a wide variety of media avenues and would include stakeholder meetings, the creation of a steering committee and open houses. Mayor Dehen stated the City was still soliciting volunteer applicants and an application could be found at the City of North Mankato website by selecting the Boards and Committees application. Mayor Dehen stated Council Member Steiner had agreed to become the Council Liaison and Mr. Randy Zellmer agreed to chair the committee.

Staff update on the Roe Crest Drive Project Hearing and Trail. Attorney Kennedy stated the Resolution Ordering Improvement and Preparation of Plans and Specifications for Improvement Project No. 15-02ABCDE Roe Crest Drive Project that received 3 ayes and 2 nays vote on February 16, 2016 did not pass because MN Statute 429.031, Subd. 1 requires a super majority vote of 4 ayes and 1 nay. Attorney Kennedy indicated a motion to reconsider brought forward by the prevailing side could allow Council to reconsider the resolution. Discussion was held on the motion to reconsider and Council Member Freyberg and Mayor Dehen from the prevailing side did not move to reconsider. Administrator Harrenstein requested clarification on the timeline for setting a public hearing to reconsider the project. City Engineer Sarff indicated notification could be mailed to residents and published in the paper to meet state requirements and a public hearing could be held on March 21,

2016. Council Member Freyberg moved, seconded by Council Member Norland to adopt Res. No. 28-16 Calling Hearing on Improvement Project No. 15-02ABCDE 2016 Roe Crest Drive Improvement Project. Vote on the motion: Steiner, Norland, Freyberg, Spears and Dehen aye; no nays. Motion carried.

Council Member Norland moved, seconded by Council Member Freyberg to direct staff to plan a Council Work Session the week of March 14-18 to discuss Improvement Project No. 15-02ABCDE Roe Crest Drive Improvement Project. Vote on the motion: Steiner, Norland, Freyberg, Spears and Dehen aye; no nays. Motion carried.

Sales Tax Extension Update. Administrator Harrenstein reviewed the status of the legislation. He indicated North Mankato requested \$9,000,000 of expanded sales tax authority from 2016-2038 and the revenues from the sales tax extension would be used for purposes approved by voters in 2006 and the Legislature in 2008. The sales tax extension must be placed on the ballot by July of 2016 if a vote is pursued in the fall. Administrator Harrenstein indicated a total of \$5,000,000 may be used to fund indoor regional recreational assets if this spending is approved by the voters through referendum and if the recreational asset is located within the corporate boundaries of North Mankato. Administrator Harrenstein reported discussion concerning a regional recreation facility has continued. A list of qualifying projects was included in the packet and would require prioritization by City Council, staff and citizens. Administrator Harrenstein stated the City is prohibited from campaigning but the City plans on informing citizens of proposed projects. Council Member Spears requested clarification on the Greater Mankato Growth's campaign. Administrator Harrenstein stated he did not know the budget and the City did not contribute to their campaign. Council Member Spears stated the list was one of wants not needs.

City Administrator and Staff Comments

City Administrator Harrenstein stated City staff was working on a memo concerning noise at Spring Lake Park.

Mayor and Council Comments

Council Member Norland stated she received a misleading letter from an insurance company concerning street improvements. Council Member Norland stated the letter was not from the City.

Mayor Dehen stated Coffee with the Council would be held at Range Street Liquor located at 1105 Range Street at 10:00 a.m. on Saturday, March 12th.

Public Comments

None.

There being no further business, on a motion by Council Member Norland, seconded by Council Member Steiner, the meeting adjourned at 8:10 p.m.

Mayor

City Clerk

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #7	Department: City Engineer	Council Meeting Date: 03/21/16																											
TITLE OF ISSUE: Wellhead Protection Plan Part 1.																													
BACKGROUND AND SUPPLEMENTAL INFORMATION: The City of North Mankato is in the process of developing a wellhead protection plan for its drinking water supply wells. The Minnesota Department of Health approved Part 1 of the wellhead protection plan for our system. This portion includes: 1) The delineation of the wellhead protection area; 2) the drinking water supply management area boundary; and 3) the well and drinking water supply management area vulnerability assessment.																													
<i>If additional space is required, attach a separate sheet</i>																													
REQUESTED COUNCIL ACTION: Public Hearing.																													
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) <u>Wellhead Protection Plan Part 1</u> <u>Notice of Public Hearing, Affidavit of Publication</u> _____ _____ _____	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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<input type="checkbox"/> Workshop <input checked="" type="checkbox"/> Regular Meeting <input type="checkbox"/> Special Meeting	<input type="checkbox"/> Refer to: _____ <input type="checkbox"/> Table until: _____ <input type="checkbox"/> Other: _____																												



BOLTON & MENK, INC.

Consulting Engineers & Surveyors

1960 Premier Drive • Mankato, MN 56001-5900

Phone (507) 625-4171 • Fax (507) 625-4177

www.bolton-menk.com

March 3, 2016

Marie Dranttel, Chair, Nicollet County Board of Commissioners
Mary Engel, Clerk, Belgrade Township
Amy Linnerooth, Water Planner, Nicollet County Environmental Services
Kevin Ostermann, Manager, Nicollet County Soil and Water Conservation District
Bruce Hulke, Chair, Nicollet County Soil and Water Conservation District
Nicole Griensewic Mickelson, Executive Director, Midwest Region 9 Development Commission

RE: City of North Mankato Well Head Protection Plan – Part I
North Mankato, MN
Project No: M22.108871

Dear LGUs,

The City of North Mankato is in the process of developing a wellhead protection plan for its drinking water supply wells. As required by the Minnesota Wellhead Protection Rule (part 4720.5330, subpart 6), the Minnesota Department of Health approved Part 1 of the wellhead protection plan for our system. This portion of the plan includes information pertaining to:

1. The delineation of the wellhead protection area,
2. The drinking water supply management area boundary, and
3. The well and drinking water supply management area vulnerability assessment.

Enclosed please find the items listed above. If you would like a complete copy of the Part 1 plan containing the technical information used to delineate the wellhead protection area, drinking water supply management area, and vulnerability of the wells and aquifer, please contact me at 507-625-4171.

Consistent with the Wellhead Protection Rule (part 4720.5330, subpart 7), a Public Information Meeting has been scheduled at the North Mankato City Hall, 1001 Belgrade Avenue, North Mankato, MN 56003 on March 21, 2016 at 7 p.m. to discuss issues and concerns with this portion of the plan. We welcome your participation at this event.



North Mankato LGUs
March 3, 2016
Page 2

If you have any questions concerning this matter, please contact me at 507-625-4171.

Sincerely,

BOLTON & MENK, INC.

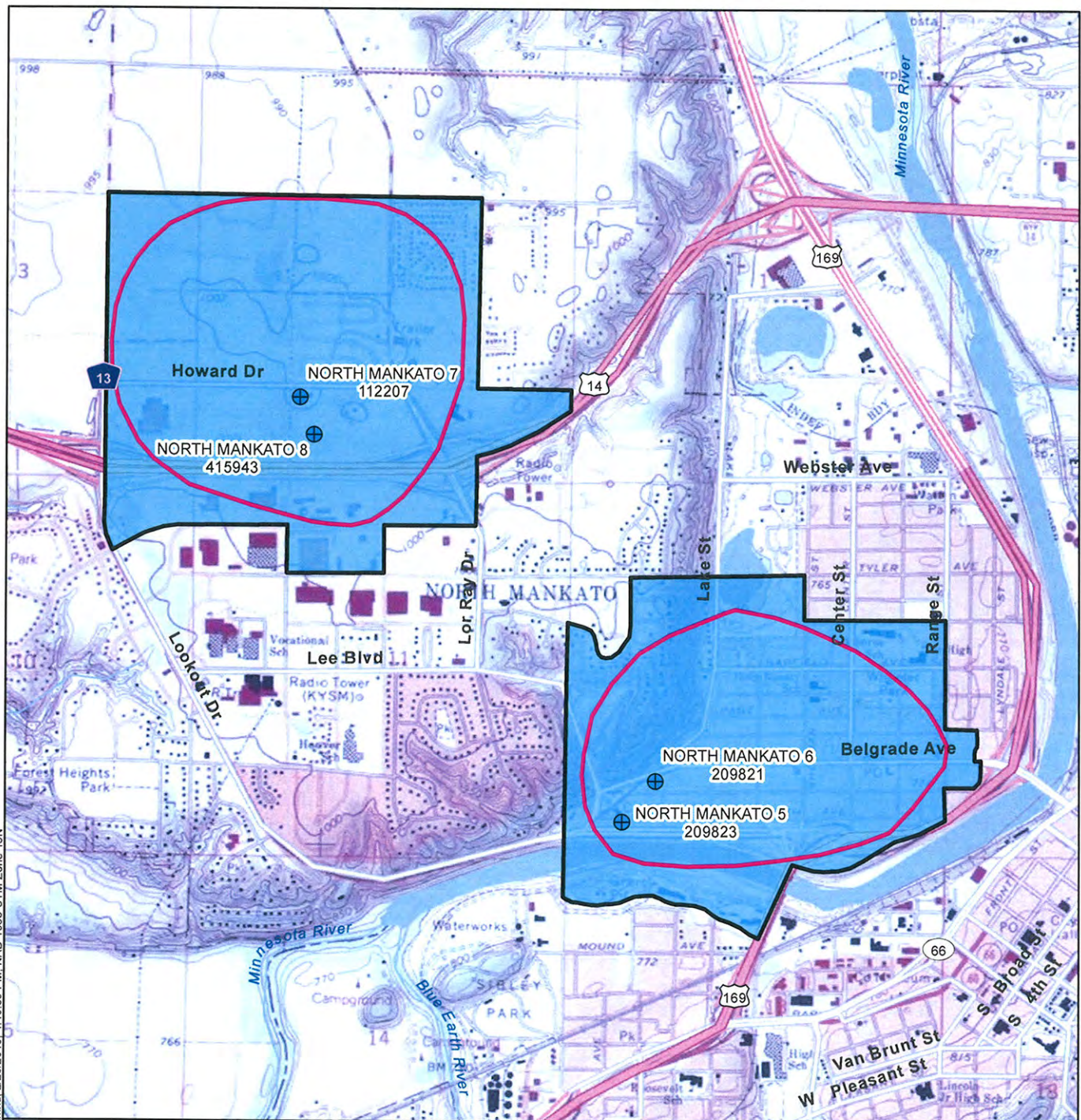
A handwritten signature in black ink, appearing to read 'Herman Dharmarajah', is written over the printed name.

Herman Dharmarajah, Ph.D., P.E.
Senior Principal Engineer

Enclosure – DWSMA Map

cc: John Harrenstein, City Administrator, City of North Mankato, Minnesota
Dan Sarff, P.E., Bolton & Menk, Inc.
Trudi Witkowski, Source Water Protection Unit, Minnesota Department of Health
Karen Voz, St. Cloud District Office, Minnesota Department of Health

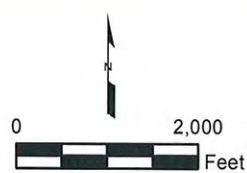
G:\GIS\North Mankato\WHP\maps\g3northman01n - Fig12.mxd 2/29/2016 4:40:59 PM NAD 1983 UTM Zone 15N



- ⊕ City Well
- Combined Wellhead Protection Area
- Drinking Water Supply Management Area

DWSMA Vulnerability

- Very High
- High
- Moderate
- Low



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



Prepared By:
LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and
Environmental Engineering Services
8 Pine Tree Drive, Suite 250
St. Paul, Minnesota 55112
(651) 490-1405

NORTH MANKATO
NORTH MANKATO, MINNESOTA

**DRINKING WATER SUPPLY MANAGEMENT AREA
VULNERABILITY ASSESSMENT**

FILE: g3northman01n - Fig12.MXD

DATE: 10/27/2015

FIGURE:

AFFIDAVIT OF PUBLICATION

State of Minnesota, ss.

County of Blue Earth

John T. Elchert, being duly sworn, on oath says that he is the publisher or authorized agent and employee of the publisher of the newspaper known as The Free Press and The Land, and has full knowledge of the facts which are stated below:

(A) The newspaper has complied with all of the requirements constituting qualification as a legal newspaper, as provided by Minnesota Statute 331.02, 331.06, and other applicable laws, as amended.

(B) The printed _____ Notice _____

which is attached was cut from the columns of said newspaper, and was printed and published once each week, for 1 successive weeks; it was first published on Thursday, the 10 day of March, 2016, and was thereafter printed and published on every Thursday to and including Thursday, the 10 day of March, 2016; and printed below is a copy of the lower case alphabet from A to Z, both inclusive, which is hereby acknowledged as being the size and kind of type used in the composition and publication of the notice:

abcdefghijklmnopqrstuvwxyz

By: John T. Elchert
Publisher

Subscribed and sworn to before me on this 10 day of March, 2016.

Kristin Moorhouse
Notary Public



March 10, 2016
NOTICE OF HEARING
ON WELL HEAD
PROTECTION PLAN
Notice is hereby given that the City Council of the City of North Mankato will meet in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue at 7:00 p.m. on Monday, March 21, 2016 to review Part I of the wellhead protection plan which includes the delineation of the wellhead protection area, the drinking water supply management area boundary and the well and drinking water supply management vulnerability assessment. To review a complete copy of Part I please contact Herman Dharmarajah at 507-625-4171.
Dated this 10th day of March 2016.
/s/ April Van Genderen
April Van Genderen
City Clerk

NOTICE OF HEARING ON WELL HEAD PROTECTION PLAN

Notice is hereby given that the City Council of the City of North Mankato will meet in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue at 7:00 p.m. on Monday, March 21, 2016 to review Part I of the wellhead protection plan which includes the delineation of the wellhead protection area, the drinking water supply management area boundary and the well and drinking water supply management vulnerability assessment. To review a complete copy of Part I please contact Herman Dharmarajah at 507-625-4171.

Dated this 10th day of March 2016.

/s/ April Van Genderen
April Van Genderen
City Clerk

Wellhead Protection Plan

Part 1

**Delineation of Wellhead Protection Area, Drinking Water Supply Management
Area, and Drinking Water Supply
Management Area Vulnerability Assessment**

March 2016

Prepared for

The City of North Mankato

by

Leggette, Brashears & Graham, Inc.

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Glossary of Terms

Data Element. A specific type of information required by the Minnesota Department of Health to prepare a Wellhead Protection Plan.

Drinking Water Supply Management Area (DWSMA). The area delineated using identifiable land marks that reflects the scientifically calculated wellhead protection area boundaries as closely as possible (Minnesota Rules, part 4720.5100, subpart 13).

Drinking Water Supply Management Area Vulnerability. An assessment of the likelihood that the aquifer within the DWSMA is subject to impact from land and water uses within the wellhead protection area. It is based upon criteria that are specified under Minnesota Rules, part 4720.5210, subpart 3.

Emergency Response Area (ERA). The part of the wellhead protection area that is defined by a one-year time of travel within the aquifer that is used by the public water supply well (Minnesota Rules, part 4720.5250, subpart 3). It is used to set priorities for managing potential contamination sources within the DWSMA.

Inner Wellhead Management Zone (IWMZ). The land that is within 200 feet of a public water supply well (Minnesota Rules, part 4720.5100, subpart 19). The public water supplier must manage the IWMZ to help protect it from sources of pathogen or chemical contamination that may cause an acute health effect.

Wellhead Protection (WHP). A method of preventing well contamination by effectively managing potential contamination sources in all or a portion of the well's recharge area.

Wellhead Protection Area (WHPA). The surface and subsurface area surrounding a well or well field that supplies a public water system, through which contaminants are likely to move toward and reach the well or well field (Minnesota Statutes, part 1031.005, subdivision 24).

Well Vulnerability. An assessment of the likelihood that a well is at risk to human-caused contamination, either due to its construction or indicated by criteria that are specified under Minnesota Rules, part 4720.5550, subpart 2.

Acronyms

ATP - Aquifer Test Plan

CFR - Calculated Fixed Radius

CWI - County Well Index

DNR - Minnesota Department of Natural Resources

EPA - United States Environmental Protection Agency

FSA - Farm Security Administration

MDA - Minnesota Department of Agriculture

MDH - Minnesota Department of Health

MGS - Minnesota Geological Survey

MnDOT - Minnesota Department of Transportation

MnGEO - Minnesota Geospatial Information Office

MPARS – Minnesota DNR Permitting and Reporting System

MPCA - Minnesota Pollution Control Agency

NRCS - Natural Resource Conservation Service

SWCD - Soil and Water Conservation District

UGE - Upgradient Extensions

UMN - University of Minnesota

USDA - United States Department of Agriculture

USGS - United States Geological Survey

1. Introduction

Leggette, Brashears and Graham, Inc. (LBG) has developed this Part 1 of the Wellhead Protection (WHP) Plan for the City of North Mankato (City) (public water supply identification number 1520005). The work was performed in accordance with the Minnesota Wellhead Protection Rule (MR), parts 4720.5100 to 4720.5590.

The results of the development of this amended WHP Plan are presented in the text below, on Tables 1 through 7 and Figures 1 through 12, which are listed in the Table of Contents.

This report presents delineations of the wellhead protection areas (WHPAs) and drinking water supply management areas (DWSMAs), and the vulnerability assessments for the public water supply wells and DWSMAs. Figure 10 shows the boundaries of the WHPAs and the DWSMAs. These are based on WHPAs that are defined by a 10-year time of travel. Figure 10 also shows the emergency response areas (ERAs), which are defined by a 1-year time of travel.

This report also lists the technical information that was used to prepare this portion of the WHP Plan in accordance with the MR. Information pertaining to the Aquifer Test Plan (ATP) and the well vulnerability sheets can be obtained from the Minnesota Department of Health (MDH).

The City Wells included in the WHP Plan are listed in Table 1.

Table 1 - Water Supply Well Information for the City of North Mankato

Local Well Name	Unique Number	Type	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed/ Reconstructed	Well Vulnerability	Aquifer
Well No. 5	209823	Primary	16 x 12	285	687	1958	Non-Vulnerable	Wonewoc Mt. Simon
Well No. 6	209821	Primary	24 x 20	265	681	1959	Non-Vulnerable	Wonewoc Mt. Simon
Well No. 7	112207	Primary	24 x 20	416	860	1975	Non-Vulnerable	Tunnel City Wonewoc Mt. Simon
Well No. 8	415943	Primary	30 x 24 x 18	614.1	845	1986	Non-Vulnerable	Mt. Simon

2. Assessment of the Data Elements

Table 2 presents the assessment of the data elements as outlined in the MDH's scoping letter relative to the present and future implications of planning items that are specified in MR, part 4720.5210.

Table 2 - Assessment of Data Elements

Data Element	Present and Future Implications				Data Source
	Use of the Well (s)	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	
Precipitation					
Geology					
Maps and geologic descriptions	M	H	H	H	MGS, DNR, USGS
Subsurface data	M	H	H	H	MGS, MDH, MPCA, USGS
Borehole geophysics					None available
Surface geophysics					None available
Soils					
Maps and soil descriptions					
Eroding lands					
Water Resources					
Watershed units					
List of public waters					
Shoreland classifications					
Wetlands map					
Floodplain map					
Land Use					
Parcel boundaries map	L	H	L	L	Nicollet, Blue Earth County Data
Political boundaries map	L	H	L	L	County GIS Data
Public Land Survey map	L	H	L	L	ESRI Data
Land use map and inventory					
Comprehensive land use map					
Zoning map					
Public Utility Services					
Transportation routes and corridors	L	H	L	L	ESRI Data
Storm/sanitary sewers and PWS system map					
Oil and gas pipelines map					
Public drainage systems map or list					
Records of well construction, maintenance, and use	H	H	H	H	City, CWI
Surface Water Quantity					
Stream flow data					
Ordinary high water mark data					
Permitted withdrawals					

Data Element	Present and Future Implications				Data Source
	Use of the Well (s)	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	
Protected levels/flows					
Water use conflicts					
Groundwater Quantity					
Permitted withdrawals	H	H	H	H	DNR
Groundwater use conflicts					None Identified
Water levels	H	H	H	H	DNR, MPCA, MDH, City
Surface Water Quality					
Stream and lake water quality management classification					
Monitoring data summary					
Groundwater Quality					
Monitoring data	H	H	H	H	MPCA, MDH
Isotopic data	H	H	H	H	MDH
Tracer studies					None available
Contamination site data	M	M	M	M	MPCA, MDA
Property audit data from contamination sites					
MPCA and MDA spills/release reports					MPCA

Definitions Used for Assessing Data Elements:

High (H) – The element has a direct impact.

Moderate (M) – The element has an indirect or marginal impact.

Low (L) – The element has little if any impact.

Shaded – The element was not required by MDH for preparing the WHP Part 1 Plan.

3. General Descriptions

3.1 Description of the Water Supply System

The City obtains its drinking water supply from four primary wells, City Wells No. 5 through 8. The wells are shown on Figure 1 and Table 1 summarizes information regarding them.

3.2 Description of the Hydrogeologic Setting

The City of North Mankato is located in southern Nicollet County, north and west of the Minnesota River and the City of Mankato. Four City Wells, two locations with two wells each, supply the community with all of its water.

Well logs and the Geologic Atlases of Nicollet, Le Sueur, and Blue Earth County, Minnesota from the Minnesota Geological Survey (MGS) were used to supplement any studies that were available. A summary of the hydrologic conditions at the City Wells is presented in Tables 3a and 3b.

The most significant feature in the North Mankato area is the Minnesota River valley that appears to be the primary discharge feature for groundwater in the region. This valley cuts west to east south of the City and then turns north and borders the east side of the City. The rest of the geology in the vicinity of the City is as follows:

- a) Glacial Drift overlies the bedrock throughout the North Mankato area;
- b) The Prairie du Chien Group is encountered as the surficial bedrock east of the City and the Minnesota River with a small area of it under the western half of the City, west of Lor Ray Dr. and east of Belgrade Township Rd. 191, south of Timm Rd., and north of the Minnesota River
- c) Jordan Sandstone is encountered as the surficial bedrock in the area of the City as islands between buried valleys where it was eroded away. East of the City, across the Minnesota River, Jordan Sandstone is more prevalent and the bed gets thicker as the base of the unit dips to the east. The dip of the bedrock layers in the area is approximately 0.5 degrees to the east;
- d) The St. Lawrence formation is a confining unit underlying the Jordan and overlaying the Tunnel City Group (Tunnel City). In the North Mankato area the St. Lawrence is approximately 60 feet thick near the City Wells and is found throughout the City with the exception of a narrow buried valley where it is absent that starts approximately 1 mile east of City Wells No. 5 and 6 and extends north along the Minnesota River. This layer is considered an aquitard and likely separates the flow to the City Wells from flow in shallower aquifers;
- e) The Tunnel City is the next water bearing unit. Usually, this sandstone does not yield much water. The layer extends throughout the North Mankato area ranging in thicknesses from approximately 125 to over 160 feet. City Well No. 7 is open to this aquifer;
- f) Wonewoc Sandstone also extends throughout the North Mankato area ranging in thickness from approximately 50 to 70 feet. Generally, this layer is a useful source of water, and is utilized by Wells No. 5, 6, and 7;
- g) The Eau Claire Formation is a confining unit between the Wonewoc and the Mt Simon Sandstone. This unit is approximately 100 ft thick in the area of the City Wells;
- h) Mt. Simon Sandstone (Mt. Simon) is a principal source of water for the City of North Mankato. Its thickness in the North Mankato area exceeds 200 ft. City Well No. 8 indicates a thickness of 225 feet and is the only well that reaches a lower aquifer unit, the Hinkley/Fond du Lac Sandstone. All four City Wells are completed in the Mt. Simon with City Well No. 8 open solely to the Mt. Simon; and,

- i) The Hinkley/Fond du Lac Sandstone underlies the Mt. Simon Sandstone and is over 800 feet thick in the North Mankato area (Mossler, 2012).

Table 3a - Description of the Local Hydrogeologic Setting for the Tunnel City/Wonewoc Aquifer

Tunnel City / Wonewoc (CTCW)	Aquifer Material	Sandstone	City Well Logs
	Primary Porosity	0.2	Typical of aquifer material.
	Aquifer Thickness	189 - 229 feet	City Well Logs (CTCW)
	Stratigraphic Top Elevation	654 - 689 ft-amsl	City Well Logs
	Stratigraphic Bottom Elevation	463 - 477 ft-amsl	City Well Logs
	Hydraulic Confinement	Confined	City Well Logs
	Transmissivity (T)	Reference Value 693.6 ft ² /day	Specific capacity data analysis of wells in the North Mankato area yielded conductivity values with a geometric mean of 3.4 ft/day for the combined Tunnel City/Wonewoc Aquifer. Multiplying these values by the average thickness the aquifer at the North Mankato Wells (204 ft) produced the reference value.
	Hydraulic Conductivity (K)	Reference Value : 11 ft/day	See above.
	Groundwater Flow Field	Flow to the south-southwest toward the Minnesota River and areas of pumping in the City of Mankato. Hydraulic Gradient is variable	Measured from model results. Flow near Well No. 7 is generally radial towards the well with flow at Wells No. 5 and 6 coming from the northeast.

Table 3b - Description of the Local Hydrogeologic Setting for the Mt. Simon Aquifer

Mt. Simon (CMTS)	Aquifer Material	Sandstone	City Well Logs
	Primary Porosity	0.2	Typical of aquifer material.
	Aquifer Thickness	230 - 367 ft	City Well Logs*
	Stratigraphic Top Elevation	355 - 387 ft-amsl	City Well Logs
	Stratigraphic Bottom Elevation	91 - 152 ft-amsl	City Well Logs*
	Hydraulic Confinement	Confined	City Well Logs
	Transmissivity (T)	Reference Value/Range 2,151 ft ² /day (1,185 – 4,740 ft ² /day)	The reference value for the transmissivity of the Mt. Simon Aquifer was determined from pumping tests at Mankato Well No. 16 (686257) and the range is the reference value approximately halved and doubled.
	Hydraulic Conductivity (K)	Reference Value/Range 7.6 ft/day (3.3 – 16.4 ft/day)	See above.
	Groundwater Flow Field	Flow to the south-southwest toward the Minnesota River and areas of pumping in the City of Mankato. Hydraulic Gradient is variable	Measured from model results. Flow near Wells No. 7 and 8 is generally radial towards the wells with flow at Wells No. 5 and 6 coming from the northeast.

*Aquifer may be thicker as base of well logs do not indicate a change in aquifer

4. Delineation of the Wellhead Protection Area

4.1 Delineation Criteria

The boundaries of the WHPAs for the City are shown in Figure 7. Table 4 provides descriptions of how the delineation criteria that are specified under MR, part 4720.5510 were included in the model.

Table 4 - Description of WHPA Delineation Criteria

Criterion	Descriptor	How the Criterion was Addressed
Flow Boundary	Minnesota and Blue Earth Rivers, local streams and lakes	The rivers and lakes provide boundary conditions within the regional model north of the City. They are included in the model and help set the local groundwater flow.
Flow Boundary	Other High-Capacity Wells (Table 6)	The pumping amounts were determined based on the averaged 2010-2014 pumped volumes. The pumping amounts of these high-capacity wells were included in the methods used for the delineation.
Daily Volume of Water Pumped	See Table 5	Pumping information was obtained from the Minnesota Department of Natural Resources Appropriations Permit 1975-4230. The annual pumped volumes were converted to a daily volume pumped by a well.
Groundwater Flow Field	See Figures 6 and 7	The model calibration process addressed the relationship between the calculated versus observed groundwater flow field.
Aquifer Transmissivity	Reference Value 693.6 ft ² /day – CTCW 2,151 ft ² /day - CMTS	See Tables 3a and 3b.
Time of Travel	10 years	The public water supplier selected a 10-year time of travel.

Information provided by the City and from the Minnesota Department of Natural Resources (DNR) Permitting and Reporting System (MPARS) database was used to identify the maximum volume of water pumped annually by each well over the previous five-year period. The volumes pumped from the wells over previous five years and the rates used in the delineation are summarized in Table 6. The exception is at Well No. 5 as it had anomalously low pumping relative to the other three wells and pumping increased approximately 35-fold over the previous 5 years. Therefore, to be conservative relative to potential pumping increases at this well, a value equal to approximately 10 percent of the total pumping (62 MGY, 642.3 m³/d) was used for the delineation. The average volume pumped by the City is increasing; however, the projected value in 2025 is less than 600 MGY. The total volume used in the model, illustrated in Table 6 (674.6 MGY, 6,989 m³/d), is approximately 23% greater than the highest single-year demand over the period of record (548.9 MGY in 2014) and higher than the projected value, indicating a conservative delineation volume. The daily volume of discharge used as an input parameter in the model was calculated by dividing the annual withdrawal volume by 365 days.

Table 5 - Annual Volume of Water Discharged from Water Supply Wells

Well Name	Unique Number	Total Annual Withdrawal (million gallons/year[MGY])					Maximum Withdrawal 2010 - 2014 (MGY)	Daily Withdrawal used in WHP Plan (m3/d)
		2010	2011	2012	2013	2014		
Well No. 5	209823	0.25	1.3	1.4	1.5	8.9	8.9	642.3*
Well No. 6	209821	122.6	123.7	135.5	124.4	104.3	135.5	1403.8
Well No. 7	112207	281.5	189	201.5	195.8	266.2	281.5	2916.3
Well No. 8	415943	62.9	154.1	195.6	188.9	169.5	195.6	2026.4
Totals		467.25	468.1	534	510.6	548.9	621.5	6989

- Source: MPARS, Permit Number 1975-4230.

* Well No. 5 was Assigned 10% of the total of the maximum withdrawal rates.

Table 6 - Other Permitted High-Capacity Wells within Model Area

Unique Number	Well Name	Aquifer	DNR Permit Number	Use	Annual Withdrawal (MGY)
209387	School Sisters of Notre Dame	CJDN/CTCW	1975-4191	Commercial Water Supply	0.1
209391	Mankato, City Of	CSTLCMTS	1970-1412	Public Water Supply	1.32
614146	Winkler, Cathy	CTCW	2013-1025	Aquaculture	1.9
255278	Coughlan Quarries, LLC	CTCW	2000-4105	Sand and Gravel Washing	2.18
255277	Coughlan Quarries, LLC		2000-4105	Sand and Gravel Washing	2.68
242883	Hillcrest Health Care Center	CFIG	1990-4282	Private Water Supply	4.28
209395	Mankato, City Of	CSTL/CMTS	1970-1412	Public Water Supply	4.36
652870	Bohks, Kyle	CSTL/CTCW	1990-4079	Golf Course Irrigation	4.48
423362	Vetter Stone Company	CJDN	1975-4178	Mine Processing	6.32
209388	School Sisters of Notre Dame	CJDN/CTCW	1975-4191	Commercial Water Supply	7.76
191916	South Bend Township	CMTS	1985-4076	Public Water Supply	13.32
763073	Coughlan Quarries, LLC	CTCW	2000-4105	Sand and Gravel Washing	20.38
209379	Vetter Stone Company	CJDN	1975-4178	Mine Processing	21.16
n/a	Mankato Golf Club	OPDC/CTCW	1990-4076	Golf Course Irrigation	22.86
471830	North Links Ltd Partnership	CMTS	1992-4133	Golf Course Irrigation	23.78
624305	Vetter Stone Company	CTCW	1975-4178	Mine Processing	29.3
159550	Mount Kato Ski Area	CSTL/CECR	1979-4056	Snow/Ice Making	32.86
524744	Wis-Pak of Mankato Inc	CMTS	1971-0313	Agricultural Processing	103.04
686257	Mankato, City Of	CMTS	1970-1412	Public Water Supply	333.48
458567	Mankato, City Of	CECR/CMTS	1970-1412	Public Water Supply	358.08
209830	Mankato, City Of	QWTA	1970-1412	Public Water Supply	499.08
683899	Mankato, City Of	QWTA	1970-1412	Public Water Supply	626.8
209828	Cenex Harvest States Cooperative	CFRN/CMTS	1987-4120	Agricultural Processing	1348.54

- Source: MPARS

4.2 Method Used to Delineate the Wellhead Protection Area

Figure 10 shows the WHPAs delineated for the City Wells using the results of the porous media modeling delineations. The WHPAs are a composite of all the areas identified using methods described in this report that potentially contribute recharge to the aquifers used by the City Wells within a 10-year time of travel.

4.2.1. Porous Media Delineations

The porous media delineation of the WHPAs for the City Wells was completed by creating a finite difference flow model using MODFLOW-NWT. MODFLOW-NWT is a 3D, cell-centered, finite difference, saturated flow model developed by the USGS (Niswonger, et. al., 2011).

The model domain was divided into a three-dimensional, non-uniform grid. The model uses approximately 370 rows and 350 columns, but not all of the cells are active. The model has 8 layers. Finer grid spacing was applied in the model with telescopic mesh refinement used in the area of the City Wells. This grid spacing (2 m in the area of the wells) provides better definition in the area of the flow field where simulating the influence of pumping from the wells is critical.

There are eight layers in the model to represent the geological units described in Section 3.2. The top elevation of layer 1 was defined by USGS 10-meter digital elevation data. The bottoms of each of the layers were defined by interpolation of approximate layer bottom elevation from geologic maps of the area and well log information.

Boundary conditions within the model were created using the river package to represent the rivers and lakes. Constant head boundaries were added to represent the groundwater surface on the northwest and south east edges of the model. The boundaries were defined using heads measured in wells near the them as well as approximated heads from local hydrogeologic atlas information. These boundaries are approximately parallel to the Minnesota River at a distance of between 6 and 11 miles. The northern and western bounds of the model are no-flow boundaries coinciding with flow toward the Minnesota River

The size of the domain and the general flow-field characteristics of the model were based on preliminary modeling, information from the City of Mankato Wellhead Protection Plan, and data from local geologic and hydrogeologic atlases.

In addition to the previously mentioned information, the following data were incorporated in the refined model:

- The pumping rates from Table 5 were assigned to the City Wells.
- The pumping rates from Table 6 were assigned to high-capacity wells located within the model boundary.

A set of 36 particles was launched from each cell containing a well for a ten year time-of-travel using MODPATH, a flowpath calculation program. A porosity of 20 percent was used for the aquifers, as generally suggested by the MDH.

As part of the uncertainty analysis, further groundwater pathline analyses, each consisting of 36 pathlines for a 10-year time-of-travel, were performed to delineate the 1-, 5- and 10-year capture zones and ultimately the WHPA.

The resulting WHPA boundaries (Figure 10) are a composite of the 10-year capture zones calculated using this model for the base case parameters and the parameter values used in the uncertainty analysis that is discussed in the following section. The model input files are available upon request from the MDH.

4.3 Results of Model Calibration and Sensitivity Analysis

The goal of numerical model calibration is to obtain a reasonable correlation between the simulated model results and observed field data. The calibration process is generally completed by running a series of steady-state simulations (simulations where the flow magnitude and direction are constant with time), comparing calculated heads to the measured heads at wells within the model domain while changing the model parameters until the best match between the two is achieved. After a model is reasonably calibrated a sensitivity analysis is used to determine the impact that changes to an input parameter have on the output of the model. In areas where there is a great deal of uncertainty in the physical parameters, either as a consequence of lack of data or based on the uncertainty associated with the interpretation of available data (i.e. pumping test analyses), a number of models are generally run to observe the effect on the model results over the range of potential values for each of the significant parameters. While none of the individual capture zones delineated as part of this analysis should be considered the “correct” one, it is assumed that the actual capture zone is encompassed by the resulting concatenation of analysis zones.

4.3.1. Calibration

The calibration plot, showing measured versus simulated hydraulic head values for model layers 5, 6, and 8, corresponding to the Tunnel City Group, Wonewoc, and Mt. Simon Aquifers, respectively, is illustrated on Figure 8. The plot shows that the simulated values and measured head values generally compare quite favorably and have a normalized root mean squared (NRMS) error of approximately 8 percent. Plots of the calibration for the individual aquifers show similar results.

More extensive and current observation data collected within the same general time period and more accurate, site-specific transmissivity values throughout the model domain would improve calibration and model confidence. More data on the heads and flow direction in the Mt. Simon aquifer would also improve confidence in the model.

The groundwater flow field and hydraulic heads in the area of the City for Layers 6 and 8 of the calibrated model, representing the Tunnel City/Wonewoc and Mt. Simon Aquifers, respectively, are shown on Figures 6 and 7. The flow directions agree with other studies conducted in the area and measured heads in local wells. The 1-, 5-, and 10-year capture zones, predicted using the calibrated model, are shown on Figure 9. However, due to the potential variability associated with the physical characteristics of the aquifer; a sensitivity/uncertainty analysis was completed as part of the modeling effort.

4.3.2. Sensitivity Analysis

Sensitivity is the amount of change in model results caused by the variation of a particular input parameter. For example, changing the hydraulic conductivity of an area can change the calculated head

values in and around the area of the modified model as compared to the heads in the unmodified model. Because of the relative simplicity of the area of interest in this model, the size and orientation of the modeled capture zone may be sensitive to any of the input parameters:

The **pumping rate** determines the volume of the aquifer that donates water to the well. Increasing the pumping rate will expand the capture zone, for a given thickness, and decreasing it will make the capture zone smaller.

- **Results** – The pumping rate for each well was defined by Minnesota Rules and therefore is not a variable for consideration in this analysis. There are other high-capacity wells in the vicinity of the City Wells that have a significant effect on the capture zones; however they do not alter the production of the City Wells and appear to have consistent use and are therefore unlikely to change the capture zones of the City Wells in the near future.

The **direction of groundwater flow** and gradient can often be variable and change significantly with changing conditions such as fluctuations in local surface water elevations or the pumping rates in local wells

- **Results** – The regional flow direction and gradient were determined through the modeling process and closely resemble the flow direction and gradient determined through mathematical analysis of the measured heads in the area. Based on the regional observation data, the characteristics of the flow field and the use of the aquifers of interest there is not likely to be a significant change to the flow field.

The **horizontal hydraulic conductivity** influences the size and shape of the capture zone. A change in the hydraulic conductivity of the aquifer will alter the location of the capture zones. Most conductivity estimates combine the Wonewoc with the Tunnel City Group; however, there is a significant layer of shale that forms the base of the Tunnel City Group. This layer may effectively separate the Tunnel City and Wonewoc Aquifers; however, they are treated as a single aquifer for the purposes of this study.

- **Results** - Data from a pumping test recorded at City of Mankato Well No. 16 indicate the hydraulic conductivity of the Mt. Simon Aquifer to be approximately 7.6 ft/d (2.3 m/d), which agrees well with other results and estimates for the area. Using drawdown data from wells completed in the Tunnel City and Wonewoc Aquifers in the North Mankato area, the combined conductivity of these aquifers was estimated to be 11 ft/d (3.4 m/d).

Because there is uncertainty associated with the conductivity values for the bedrock aquifers, an uncertainty analysis was conducted where the conductivities for the Mt. Simon were approximately reduced by half and doubled (3.3 to 16.4 ft/d [1 to 5 m/d]) and the range for the combined Tunnel City/Wonewoc (3 to 41 ft/d [0.9 to 12.5 m/d]) aquifer was determined using the specific capacity data from wells in the area completed in the these aquifer units.

The aquifer **thickness** and **porosity** influence the size and shape of the capture zone by limiting the water-bearing volume within a given area of aquifer. Decreasing or increasing either thickness or porosity forces a proportional decrease or increase in the areal extent of the capture zone.

- **Results** – The thicknesses of the aquifers in the model closely approximates the actual thicknesses measured from the well logs. Any difference between the actual transmissivity of

the aquifers and the modeled transmissivity is addressed in the uncertainty analysis. The porosity value in the model for the both the Mt. Simon and Wonewoc is 0.20. The thickness and porosity of the aquifers, being relatively consistent in the area of the wells, are not considered variables for this study.

4.4 Addressing Model Uncertainty

Using computer models to simulate groundwater flow always requires that simplifying assumptions be made. Local geology can be highly variable and information from well logs and pumping tests indicates that this is likely the case near the City Wells. Unfortunately, existing information is not detailed enough to define this degree of variability and interpretation of log and test data is often inconsistent. For models of the scale used in this study, the information and computational ability does not exist to precisely delineate the WHPA. To account for this, a number of models are run to examine the various potential WHPAs for the wells, given the range of the input data mentioned previously.

MODFLOW models were used to delineate the capture zones for the aquifers that supply water to the City Wells. As described previously, the hydraulic conductivity was the single variable identified that could cause the greatest change in the WHPAs for the City Wells. Because the range of conductivities determined through different tests at different locations throughout the area show significant variation, uncertainty was represented by increasing and decreasing the conductivity of the aquifers through a reasonable range of values. The range of hydraulic conductivity determined from testing and data is summarized in Tables 3a and 3b and the values used for each of the runs in the uncertainty analysis are presented in Table 7.

Table 7– Hydraulic Conductivity Values Used in Uncertainty Analysis

Simulation	Tunnel City/Wonewoc Conductivity (ft/d)	Tunnel City/Wonewoc Conductivity (m/d)	Mt. Simon Conductivity (ft/d)	Mt Simon Conductivity (m/d)
Base Model	11	3.4	7.6	2.3
Uncert-1	11	3.4	3.3	1
Uncert-2	11	3.4	16.4	5
Uncert-3	3	0.9	7.6	2.3
Uncert-4	41	12.6	7.6	2.3
Uncert-5	3	0.9	3.3	1
Uncert-6	3	0.9	16.4	5
Uncert-7	41	12.6	3.3	1
Uncert-8	41	12.6	16.4	5

Capture areas were delineated for the assessed range of aquifer conductivities for a time-of-travel period of 10 years and are shown on Figure 10 as the 10-Year Composite Capture Zone. Nine model runs were required to include all possible input parameters. The WHPAs for the City wells consist of a composite of the porous media aquifer delineations for the different input parameters used in the uncertainty analysis.

5. Delineation of the Drinking Water Supply Management Area

The boundaries of the DWSMA were defined by LBG and the public water supplier using roads and Public Land Survey System coordinates (Figure 10).

Because surface water is not hydraulically connected to the aquifers near the City wells, due to the presence of the St. Lawrence confining unit, a conjunctive delineation was not necessary.

6. Vulnerability Assessments

The Part 1 WHP Plan includes the vulnerability assessments for the public water supply well and DWSMA. These vulnerability assessments are used to help define potential contamination sources within the DWSMA and to select appropriate measures for reducing the risk that they present to the public water supply.

6.1 Assessment of Well Sensitivity

Review of site-specific data from the CWI, which are represented graphically in cross section on Figures 3 and 4, indicates that significant amounts of low permeability material overlies the Tunnel City/Wonewoc and Mt. Simon aquifers across the majority of both DWSMA boundaries. As a result, the areas inside the Wells No. 5 and 6 and Wells No. 7 and 8 DWSMAs are both characterized by low geologic sensitivity.

The assessment of geologic sensitivity is a useful metric when estimating the relative vertical downward travel time of contaminants from grade level to the water table or source aquifer. A Level-3 DNR geologic sensitivity assessment was used for the City Wells. The Level-3 DNR geologic sensitivity rating is an empirical value determined by dividing the cumulative thickness of low permeability units above the aquifer by 10 (DNR, 1991). The resulting score is termed the "L-score". A higher L-score indicates more low-permeability material above the aquifer, and therefore a lower vulnerability. A low L-score represents higher vulnerability. For example, a rating of L-1 has a higher vulnerability than L-9, because there is less low-permeability material present above the aquifer. A Level-3 assessment was conducted since the aquifers are overlain by varying thicknesses of clay. As mentioned above, points are also assigned to casing integrity and depth, pumping rate, isolation distance to contaminant sources, and chemical data, in addition to the geologic sensitivity.

A Level-3 assessment was also conducted for all CWI wells located in the vicinity of the DWSMA delineation. The geologic sensitivity "L-scores" were calculated by LBG using an MDH Geographic Information System tool that utilizes lithology information from the MN CWI. Figure 11 illustrates the geologic sensitivity for the DWSMA as determined by mapping L-scores from the well logs across and adjacent to the DWSMA. Geologic sensitivity near the City Wells and across the DWSMAs is low.

6.2 Assessment of Well Vulnerability

The well vulnerability assessment was conducted in accordance with the MDH guidance document, Assessing Well Vulnerability for Wellhead Protection (MDH, 1997). The vulnerability of a well is scored based on the following six categories: DNR geologic sensitivity rating, casing integrity, casing depth, pumping rate, isolation distance from contaminant sources, and chemical and isotopic information.

Vulnerability assessment rating sheets and vulnerability scores for Wells No. 5 through 8 were obtained from the MDH and reviewed by LBG. All wells are considered not vulnerable based on the variables mentioned above.

6.3 Assessment of the Drinking Water Supply Management Area Vulnerability

Once the geologic sensitivity was determined for wells in the DWSMA and vulnerability ratings were determined for the City Wells, the vulnerability ratings for the DWSMA could be determined. Since tritium has not been detected above 1 Tritium Unit (T.U), the vulnerability rating in the vicinity of the City Wells and across the DWSMA remained the same as the geologic sensitivity rating, which is low (Figure 12).

7. Recommendations

Upon completion of this Part 1 WHP Plan amendment, the following recommendations are provided for the City to consider for better understanding the hydrogeologic conditions of the source aquifers and refinement of future WHPA delineations.

- Other water well owners in the vicinity of City Wells No. 5 and 6, particularly the City of Mankato, should be contacted to determine if there are any plans to change their current pumping schemes in the foreseeable future as any significant changes could affect the direction of flow, particularly in the area of Wells No. 5 and 6.
- Continue collecting groundwater samples for analysis of regulated contaminants and provide the data to the MDH.
- Aquifer Testing: For this WHPA delineation, the transmissivity of North Mankato's aquifers were estimated from an aquifer test conducted in a similar geologic setting in the nearby town of Mankato. However, the Minnesota River, a major hydrologic divide, separates the wellfields of North Mankato and Mankato. Additionally, the North Mankato wells are multi-aquifer wells, and aquifer test results from other wells may not be completely transferrable. It would be better if more localized data could be used for future amendments of North Mankato's WHP plan. With assistance from the MDH hydrologist, the city should investigate the possibility of conducting an aquifer test using the city's wells.

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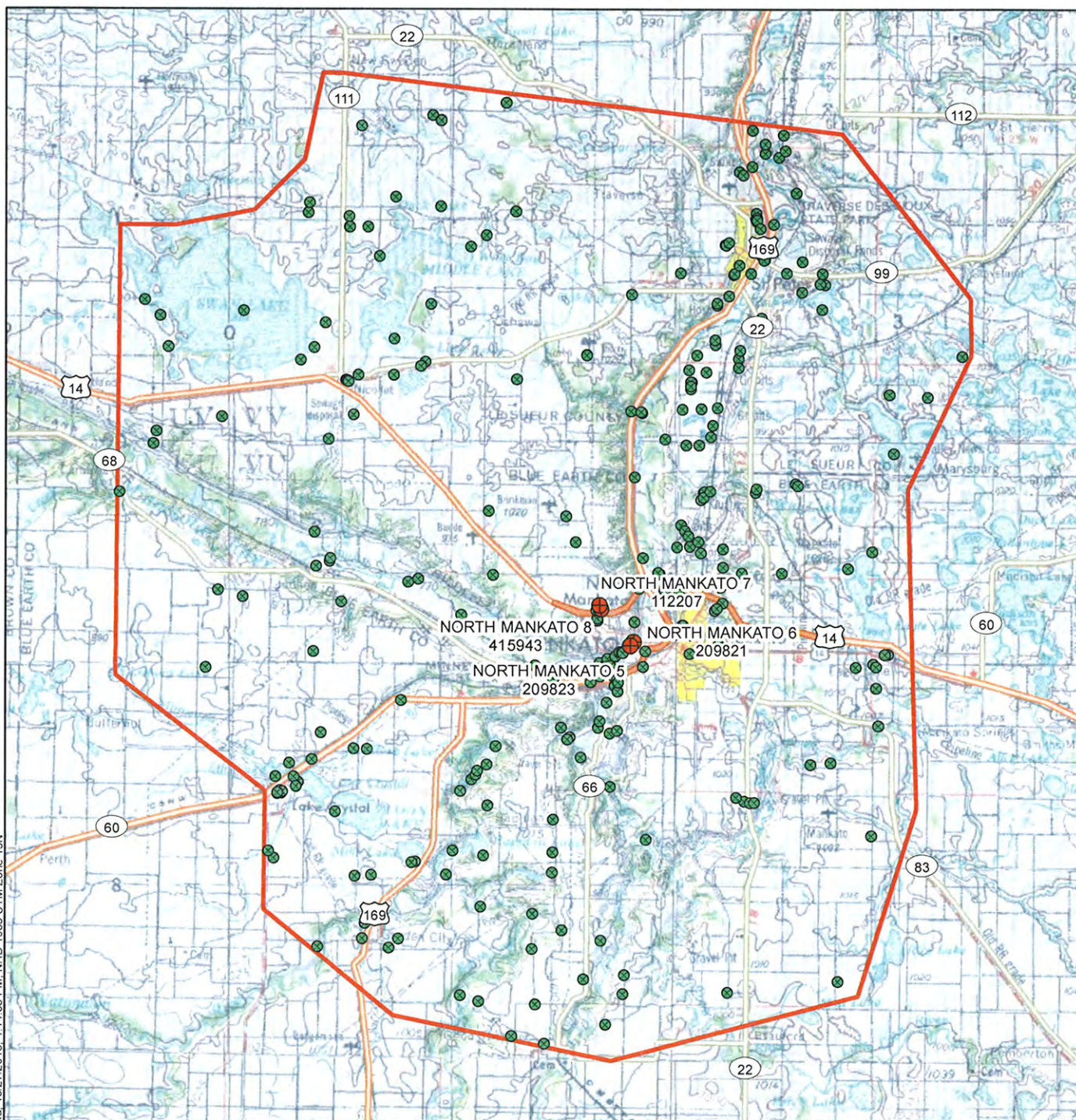
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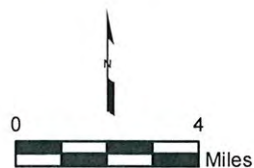
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Figures

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- City Well Location
- High Capacity Well
- Local Model Boundary



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO NORTH MANKATO, MINNESOTA

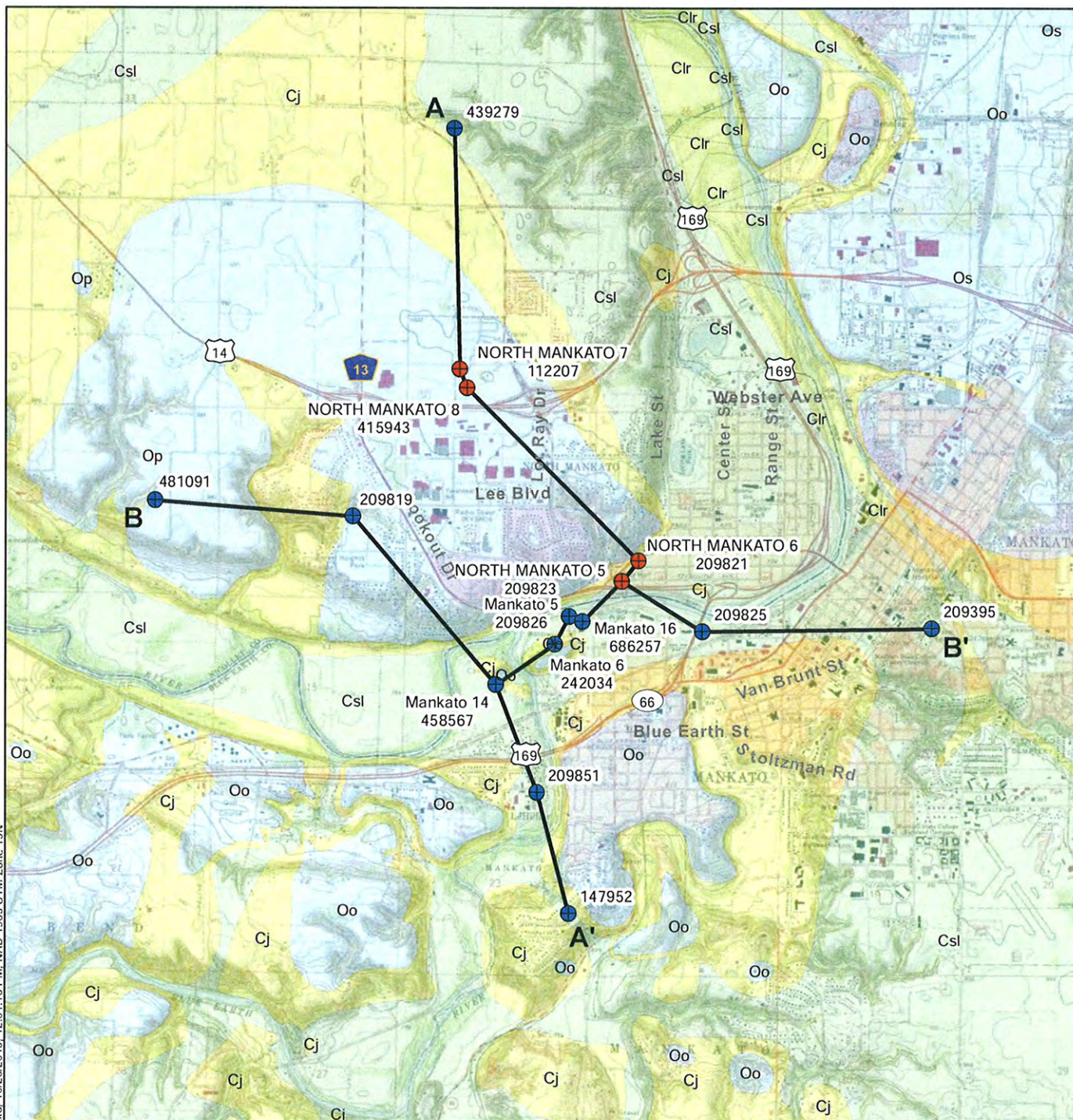
SITE LOCATION, HIGH CAPACITY WELLS AND LOCAL MODEL BOUNDARY

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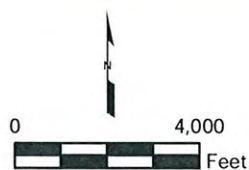
FIGURE: 1

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- City Well Location
- CWI Well on Hydrogeologic Cross Section
- Hydrogeologic Cross Section Location
- Op Prairie du Chien Group (Also "Os" and "Oo")
- Cj Jordan Sandstone
- Csl St. Lawrence Formation

Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI). MN DNR Blue Earth and Nicollet Counties Hydrogeologic Atlas, 2011.



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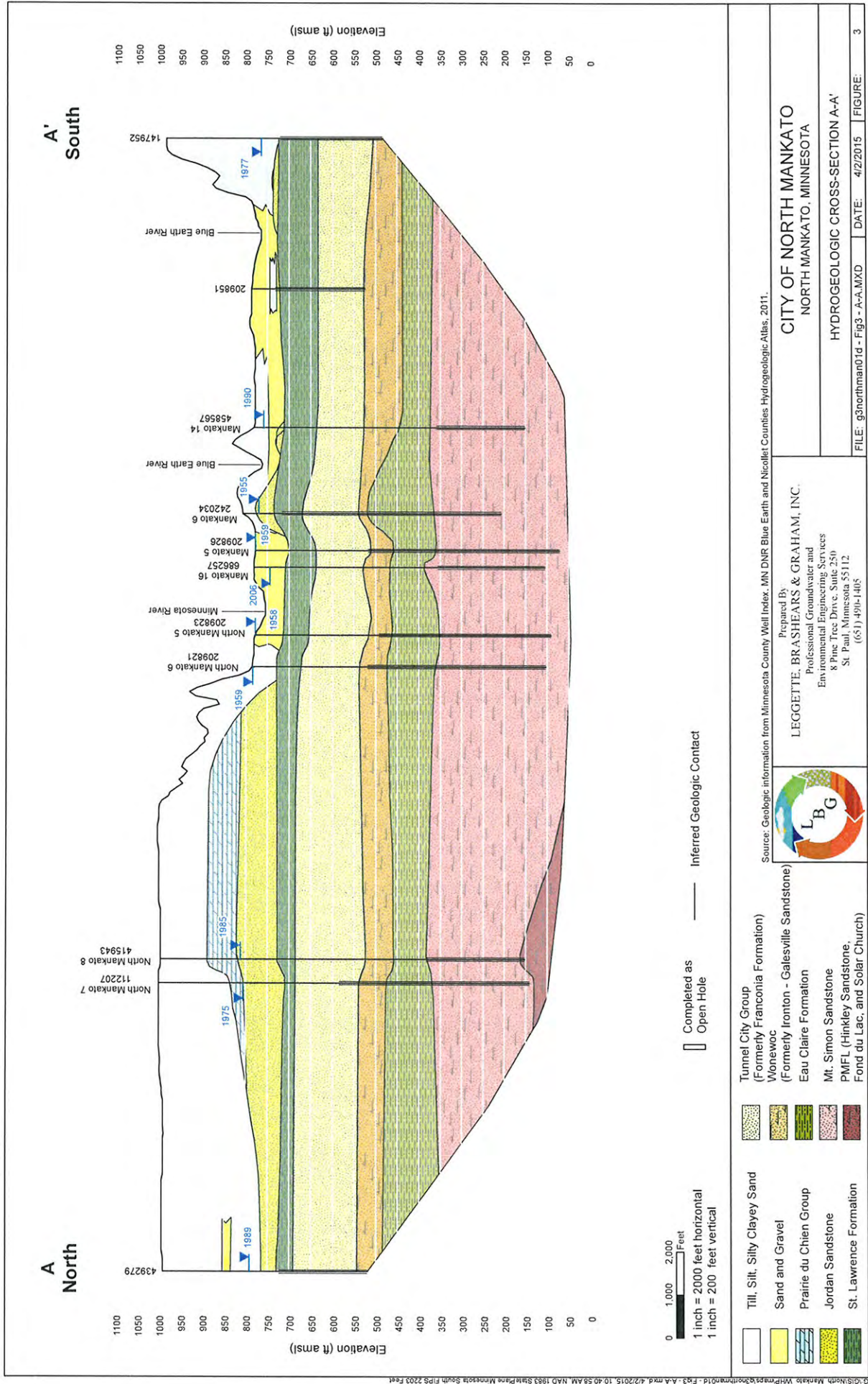
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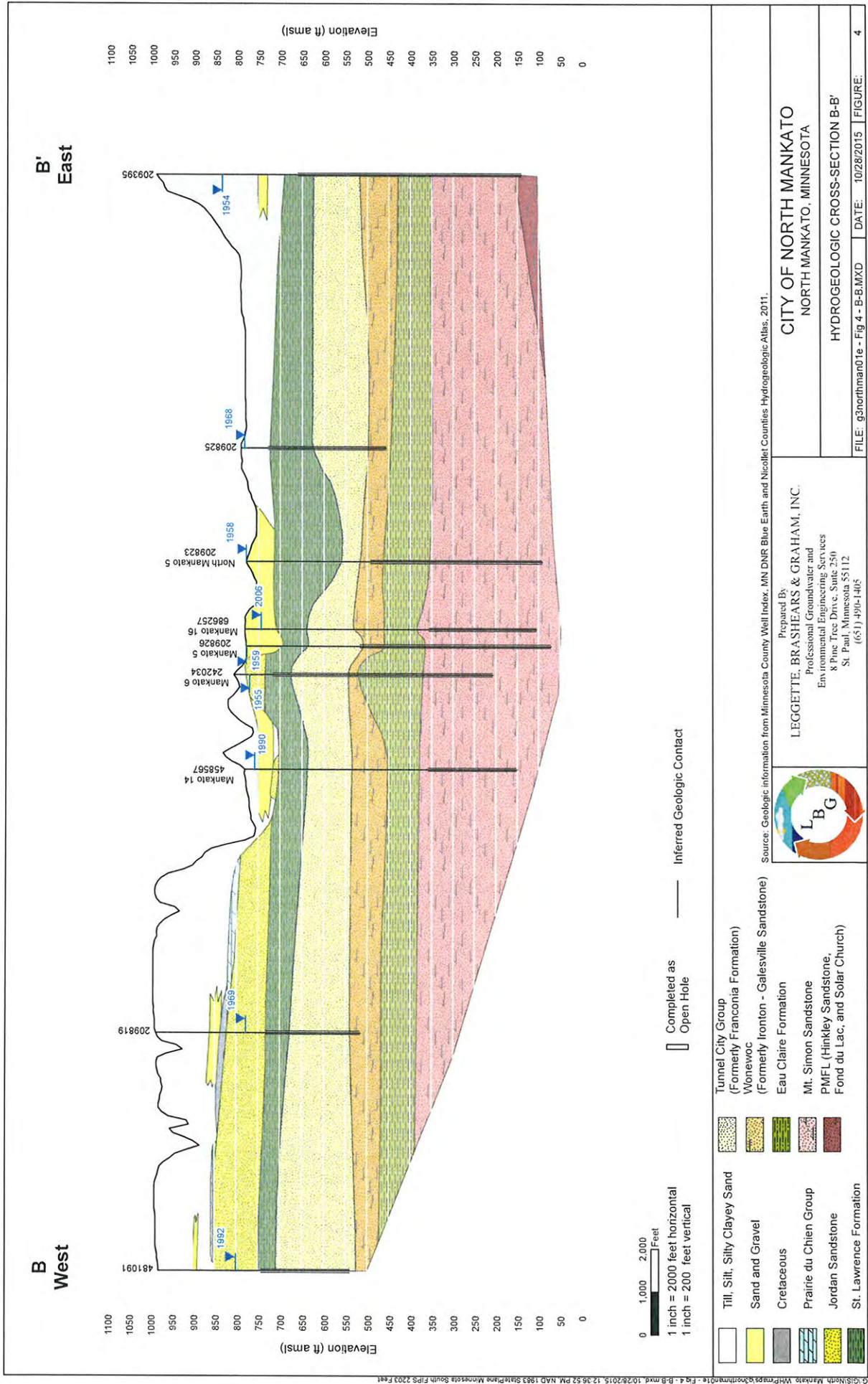
HYDROGEOLOGIC CROSS SECTIONS AND BEDROCK GEOLOGY

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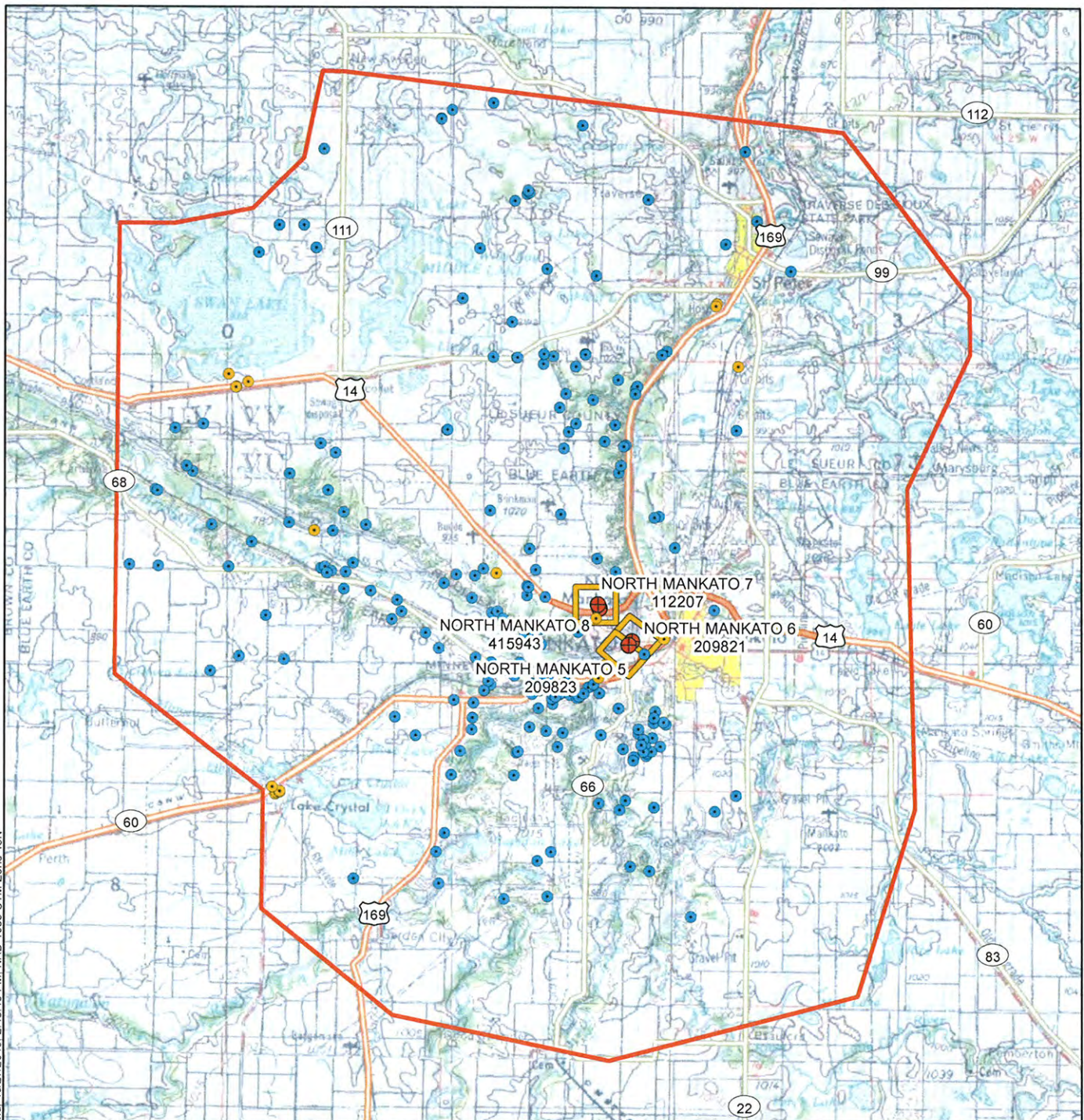
DATE: 10/26/2015

FIGURE: 2





G:\GIS\North Mankato WHPI\maps\g3northman01h - Fig5.mxd 10/27/2015, 2:48:18 PM, NAD 1983 UTM Zone 15N



- City Well Location
- Calibration Point (Mt. Simon Well)
- Calibration Point (Tunnel City or Wonewoc Well)
- Modification Area
- Local Model Domain

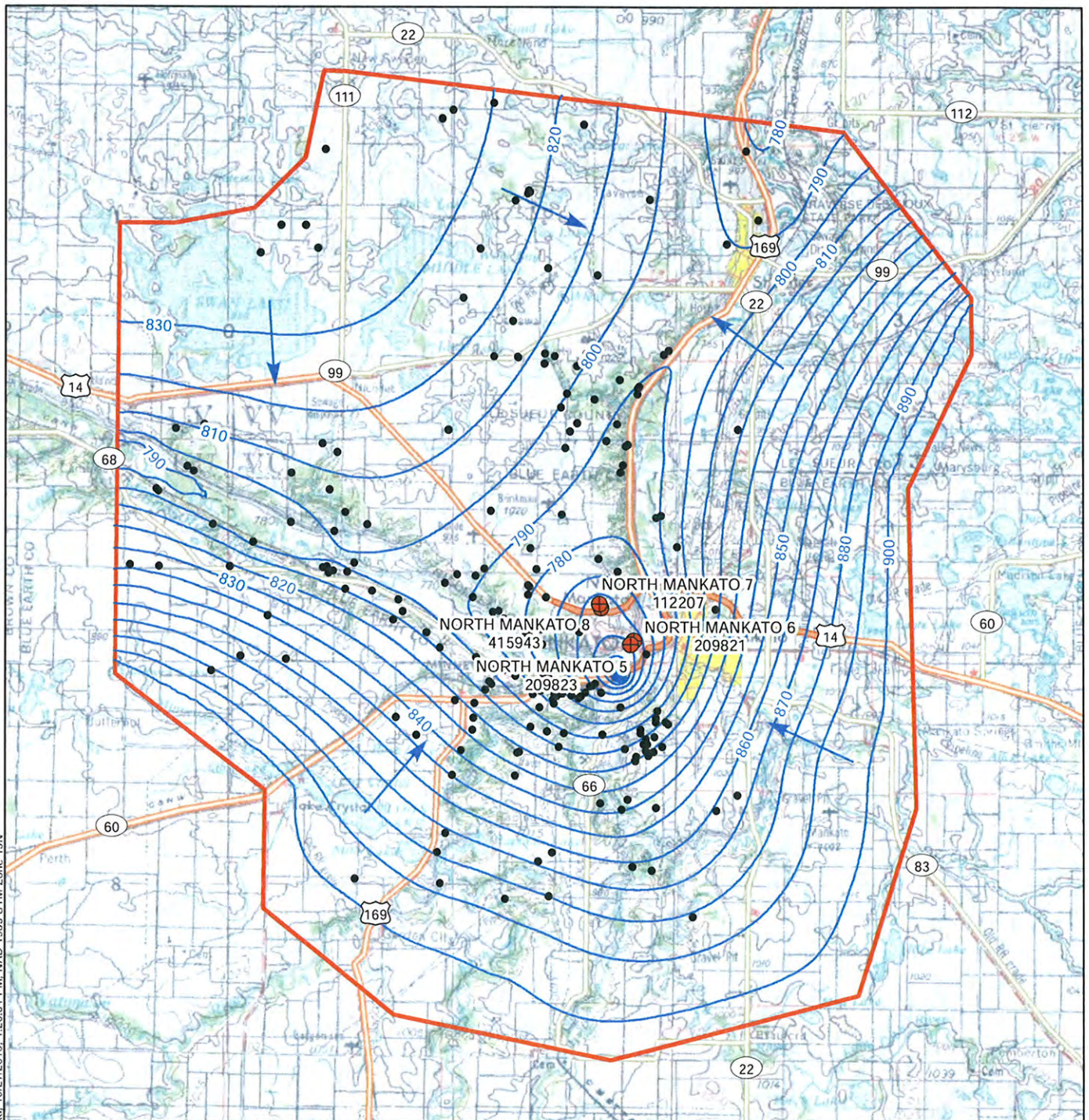


Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).

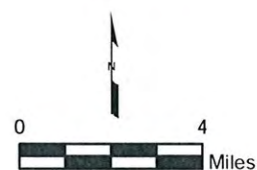


Prepared By:
LEGGETTE, BRASHEARS & GRAHAM, INC.
Professional Groundwater and
Environmental Engineering Services
8 Pine Tree Drive, Suite 250
St. Paul, Minnesota 55112
(651) 490-1405

NORTH MANKATO NORTH MANKATO, MINNESOTA		
LOCAL MODEL BOUNDARY, CALIBRATION POINTS, AND MODIFICATION AREAS		
FILE: g3northman01h - Fig5.MXD	DATE: 10/27/2015	FIGURE: 5



- ⊗ City Well Location
- Tunnel City and Wonewoc Aquifer Well Location
- Groundwater Elevation Contour (ft amsl)
- Groundwater Flow Direction
- Local Model Domain



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO NORTH MANKATO, MINNESOTA

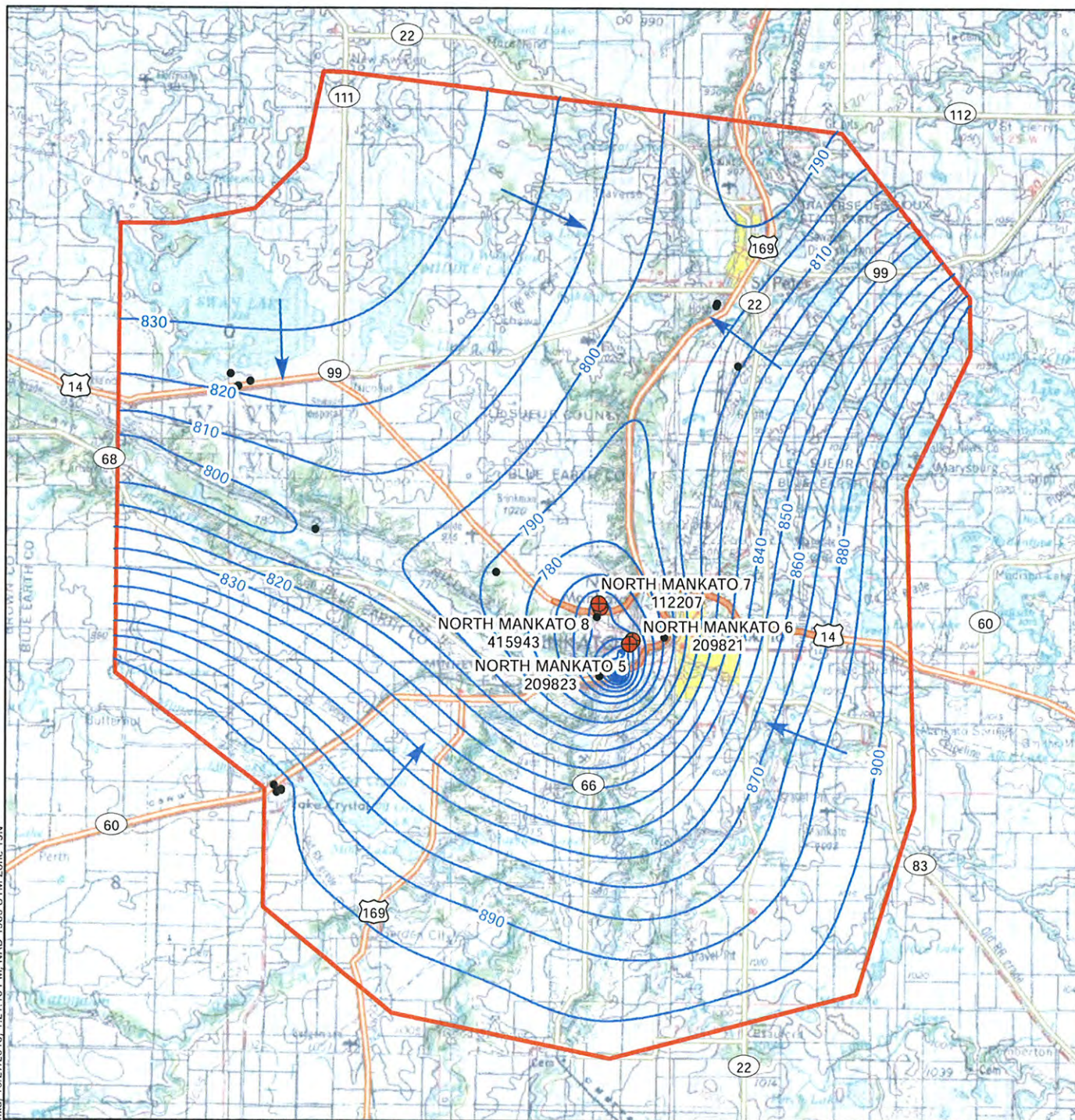
SIMULATED EQUIPOTENTIAL CONTOURS TUNNEL CITY AND WONEWOC AQUIFER

FILE: g3northman011 - Fig6.MXD

DATE: 10/27/2015

FIGURE: 6

G:\GIS\North_Mankato_WHP\maps\g3northman01s - Fig 7.mxd, 10/27/2015, 1:21:16 PM, NAD 1983 UTM Zone 15N



- City Well Location
- Mt. Simon Aquifer Well Location
- Groundwater Elevation Contour (ft amsl)
- Groundwater Flow Direction
- Local Model Domain



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO
 NORTH MANKATO, MINNESOTA

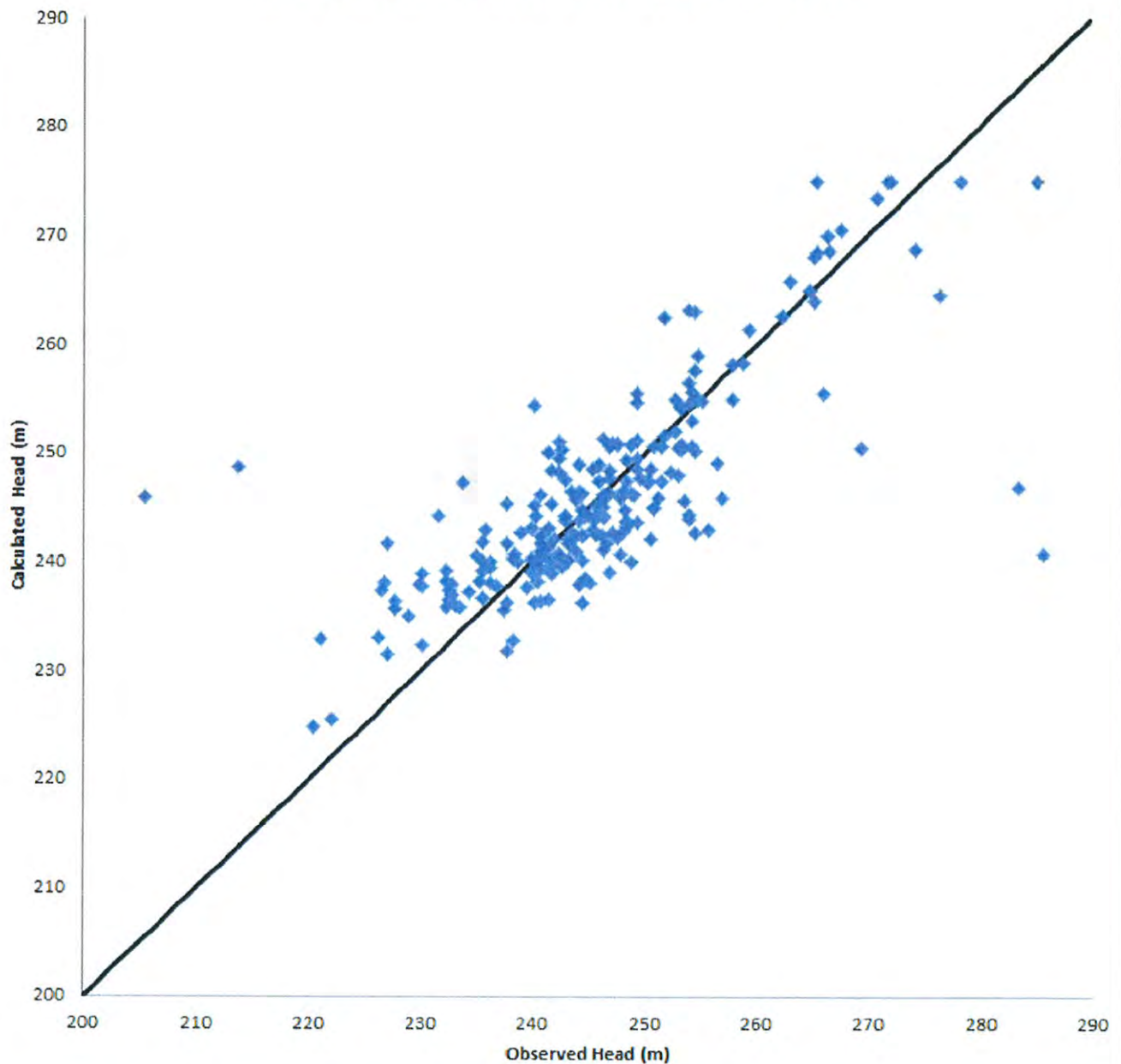
SIMULATED EQUIPOTENTIAL CONTOURS MT. SIMON AQUIFER

FILE: g3northman01s - Fig 7.MXD

DATE: 10/27/2015

FIGURE: 7

Computed vs. Observed Values Hydraulic Head in Model Layers 5,6 and 8



G:\GIS\North_Mankato_WHP\maps\g3northman01j - Fig8.mxd, 10/27/2015, 9:29:44 AM.



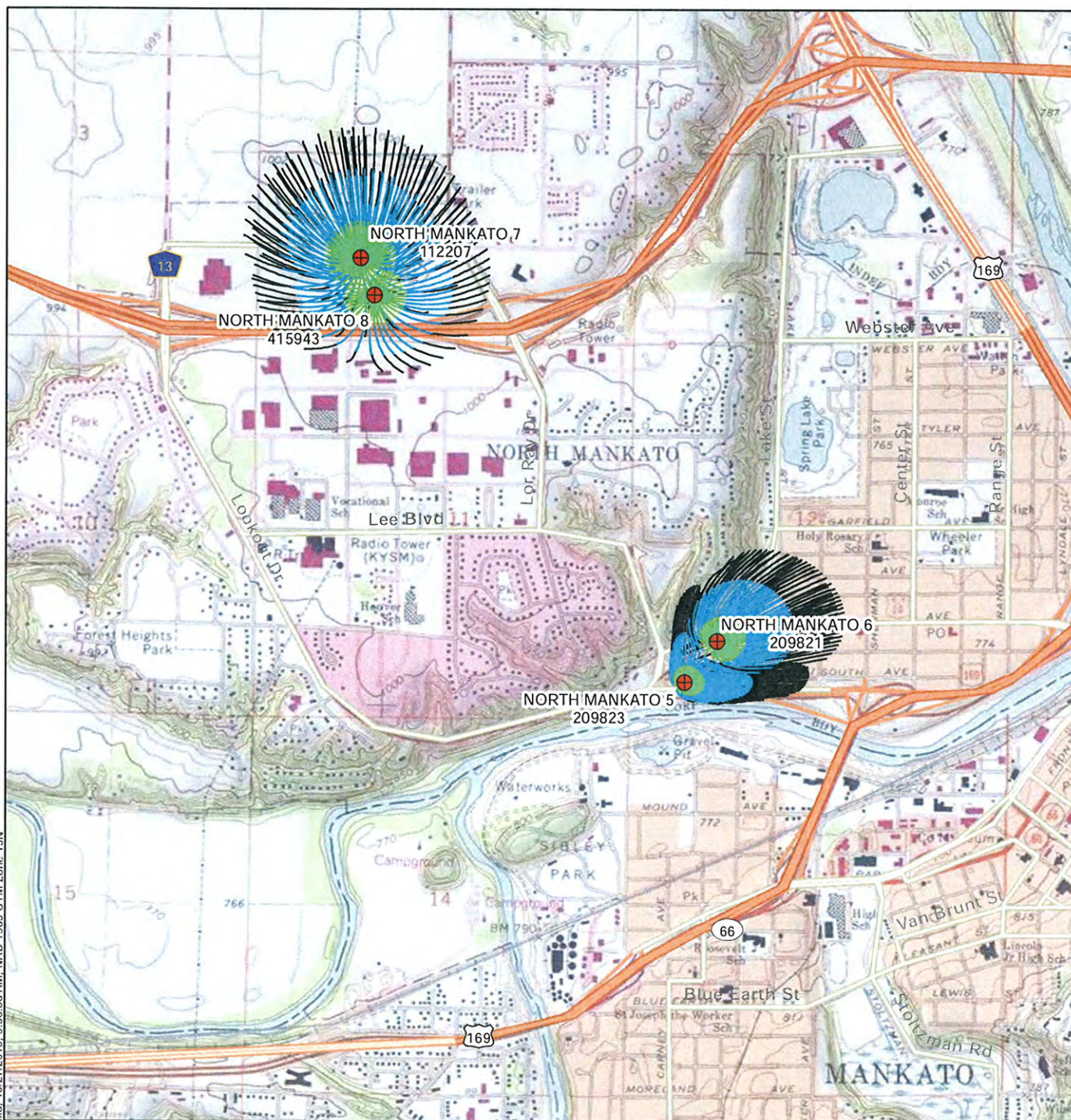
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NORTH MANKATO
NORTH MANKATO, MINNESOTA

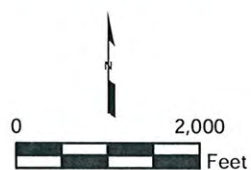
MODEL CALIBRATION - ALL LAYERS

FILE:	g3northman01j - Fig8.MXD	DATE:	10/27/2015	FIGURE:	8
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G:\GIS\North Mankato - WHP\maps\g3northman01k - Fig9.mxd, 10/27/2015, 9:30:08 AM, NAD 1983 UTM Zone 15N



- City Well Location
- 1-Year Flowpaths (Tunnel City, Wonewoc, and Mt. Simon Aquifer)
- 5-Year Flowpaths (Tunnel City, Wonewoc, and Mt. Simon Aquifer)
- 10-Year Flowpaths (Tunnel City, Wonewoc, and Mt. Simon Aquifer)



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO NORTH MANKATO, MINNESOTA

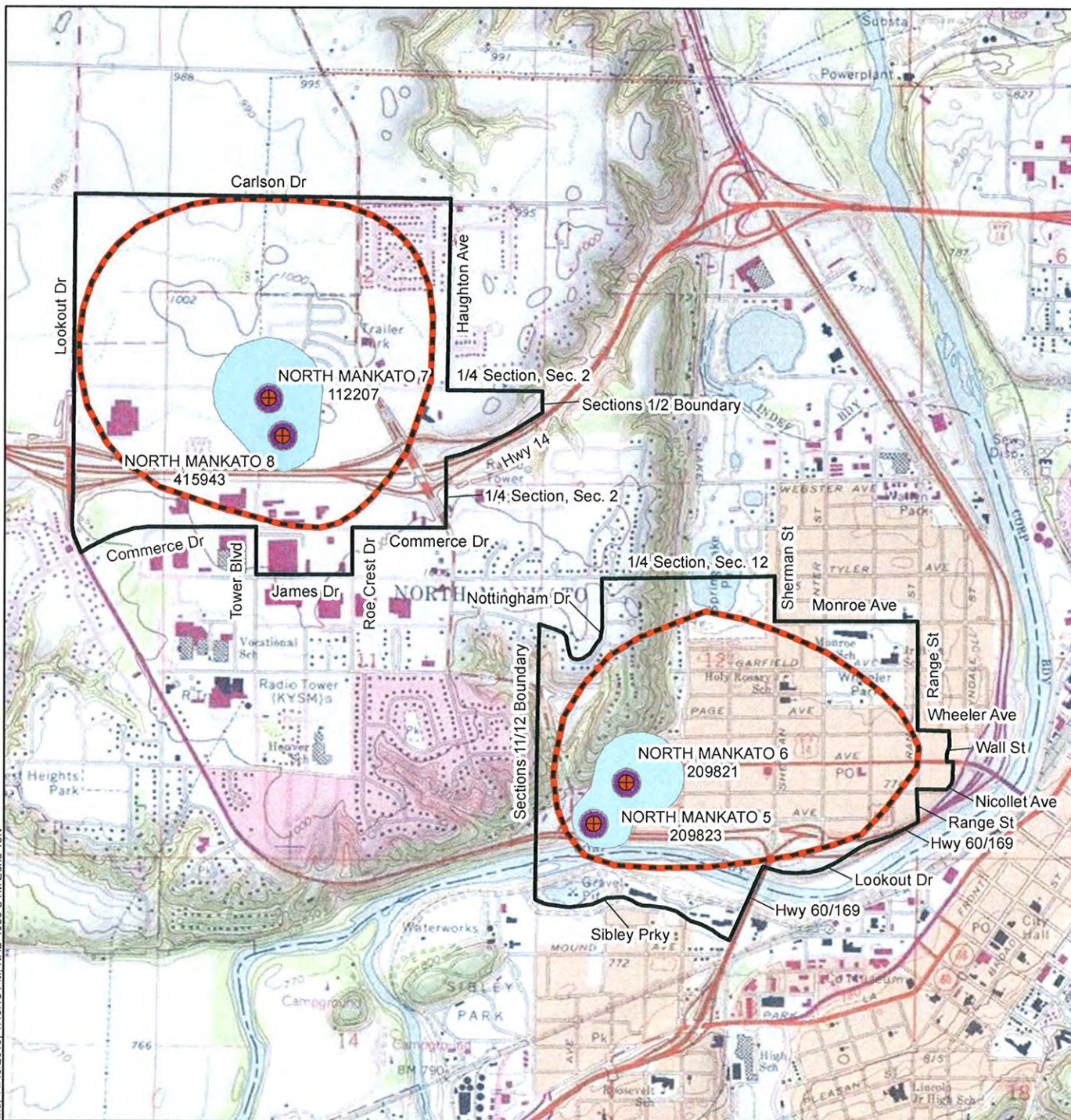
1-, 5-, AND 10-YEAR FLOW PATHS FOR CALIBRATED MODEL

FILE: g3northman01k - Fig9.MXD

DATE: 10/27/2015

FIGURE: 9

G:\GIS\North Mankato - WHP\maps\g3northman011 - Fig10.mxd, 11/10/2015, 1:15:18 PM, NAD 1983 UTM Zone 15N



- City Well Location
- 10-Year Composite Capture Zone (porous flow)
- Combined Wellhead Protection Area
- Drinking Water Supply Management Area
- Emergency Response Area (1-yr time of travel)
- IWMZ (Inner Wellhead Management Zone)

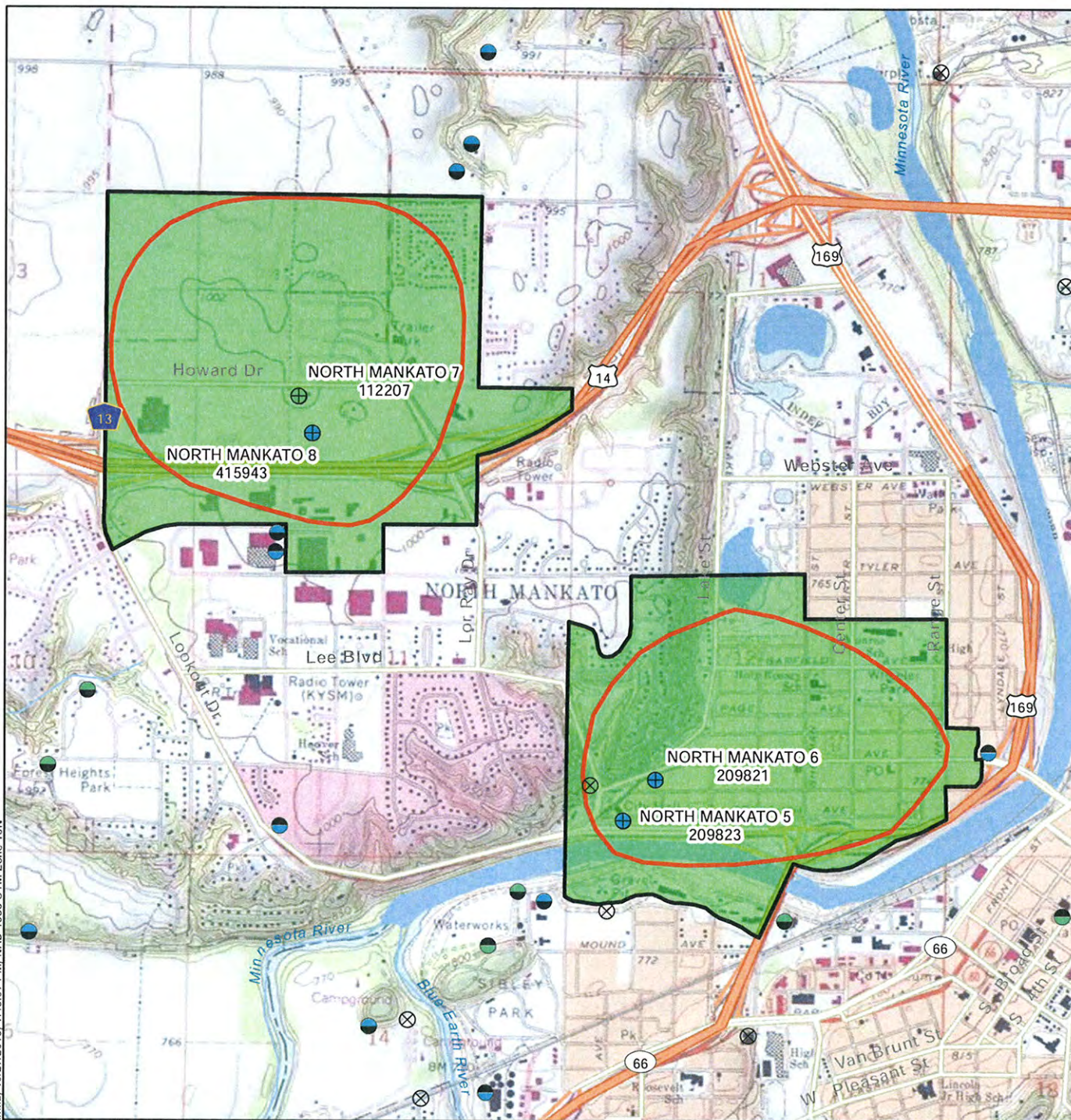
Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO NORTH MANKATO, MINNESOTA		
COMBINED WELLHEAD PROTECTION AREA BOUNDARIES AND DRINKING WATER SUPPLY MANAGEMENT AREAS		
FILE: g3northman011 - Fig10.MXD	DATE: 10/27/2015	FIGURE: 10

G:\GIS\North Mankato - WHP\maps\g3northman01m - Fig11.mxd, 10/27/2015, 1:45:07 PM, NAD 1983 UTM Zone 15N



- ⊕ City Well
- ⊗ Insufficient Data
- Domestic Well
- Combined Wellhead Protection Area
- Drinking Water Supply Management Area

- Geologic Sensitivity**
- Very High Sensitivity
 - High Sensitivity
 - Moderate Sensitivity
 - Low Sensitivity (L-Score: 1-3)
 - Low Sensitivity (L-Score: 4-7)
 - Very Low Sensitivity (L-Score: 8-11)
 - Very Low Sensitivity (L-Score: >11)



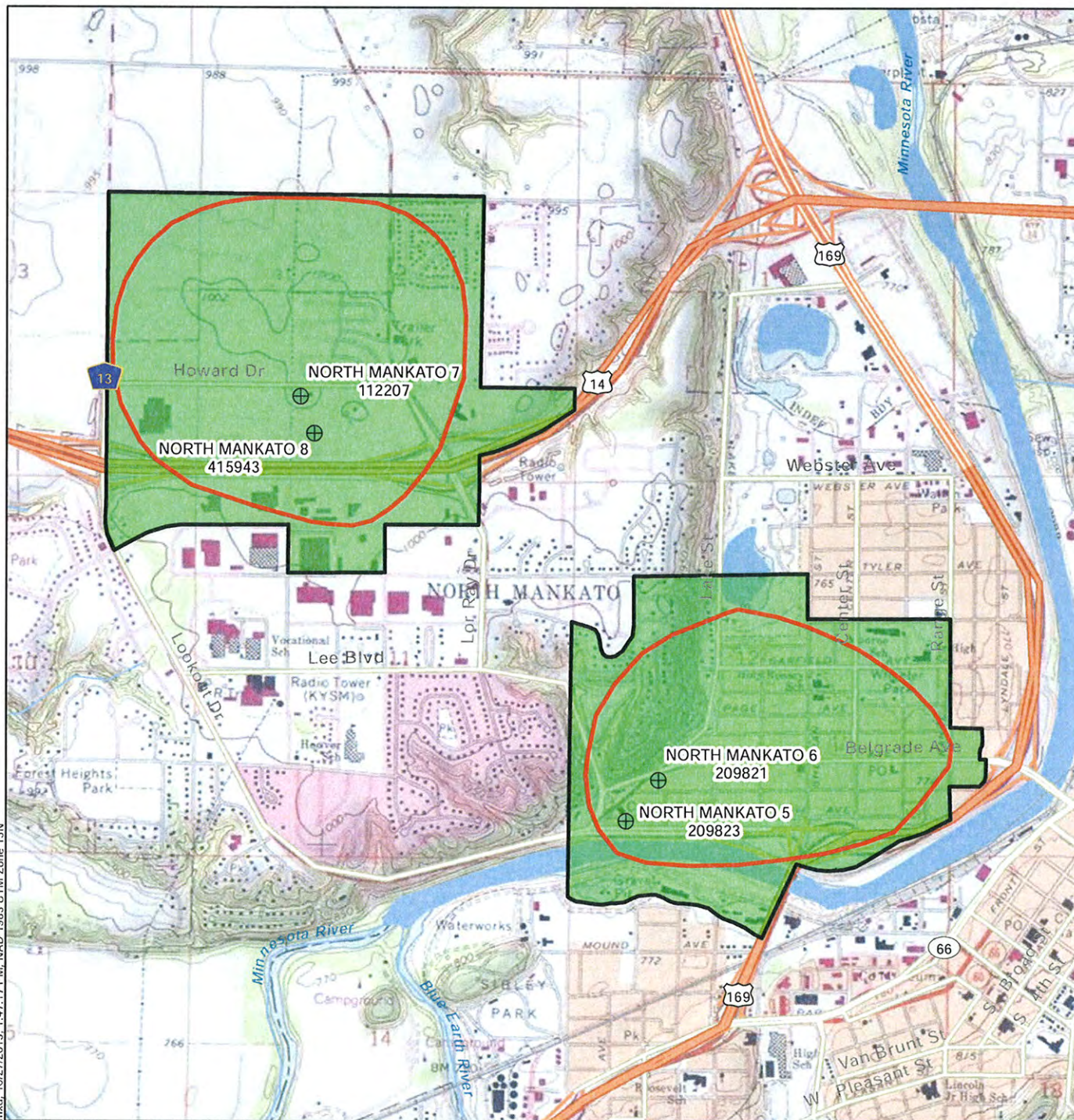
Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO NORTH MANKATO, MINNESOTA		
DRINKING WATER SUPPLY MANAGEMENT AREA GEOLOGIC SENSITIVITY ASSESSMENT		
FILE: g3northman01m - Fig11.MXD	DATE: 10/27/2015	FIGURE: 11

G:\GIS\North Mankato\WHP\maps\g3northman01n - Fig12.mxd, 10/27/2015, 1:47:17 PM, NAD 1983 UTM Zone 15N



- ⊕ City Well
- Combined Wellhead Protection Area
- Drinking Water Supply Management Area

DWSMA Vulnerability

- Very High
- High
- Moderate
- Low



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO
NORTH MANKATO, MINNESOTA

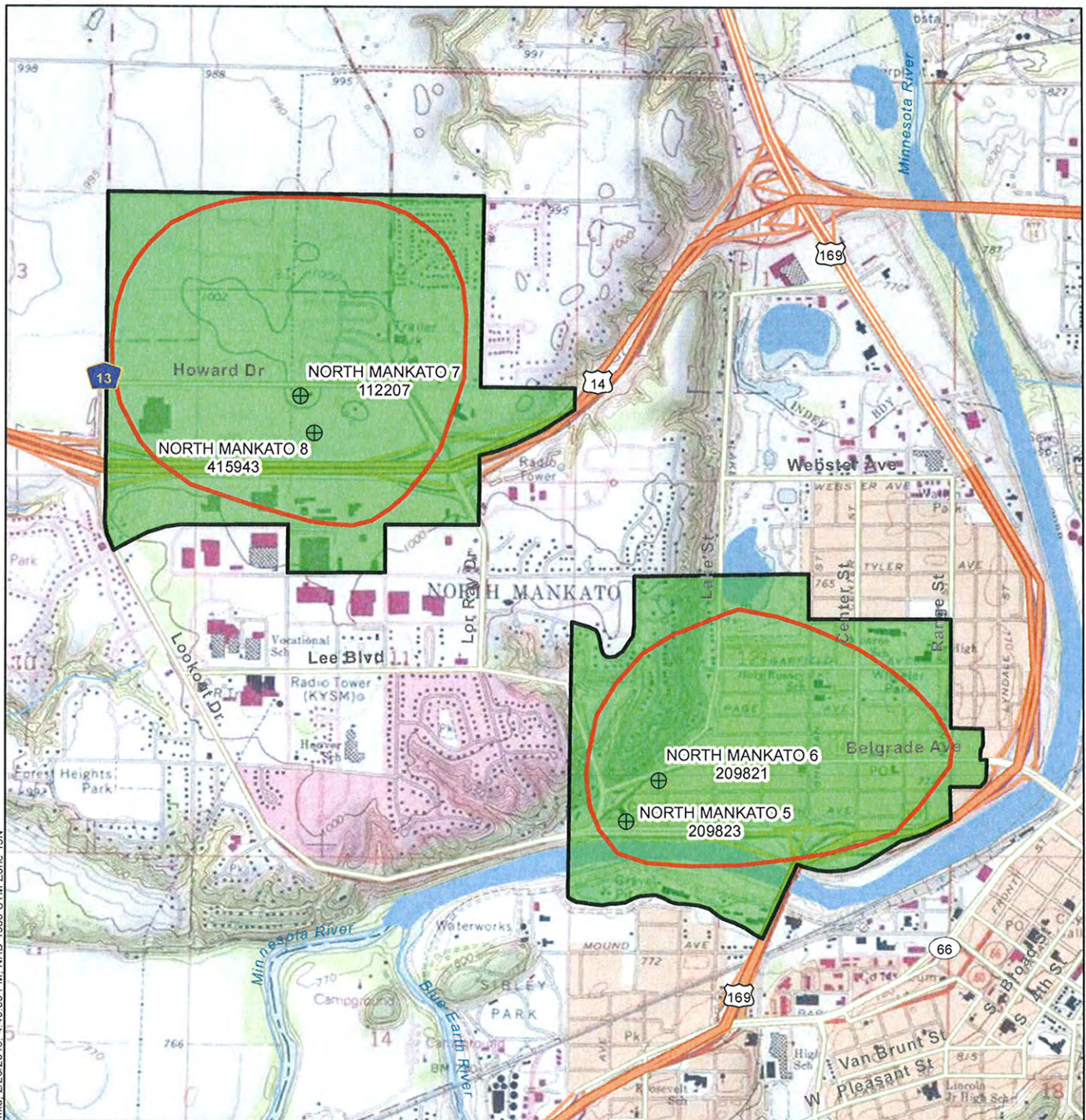
**DRINKING WATER SUPPLY MANAGEMENT AREA
VULNERABILITY ASSESSMENT**

FILE: g3northman01n - Fig12.MXD

DATE: 10/27/2015

FIGURE: 12

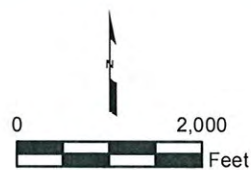
G:\GIS\North Mankato WH\PH\maps\g3\northman01n - Fig12.mxd, 2/29/2016, 4:40:59 PM, NAD 1983 UTM Zone 15N



- ⊕ City Well
- Combined Wellhead Protection Area
- Drinking Water Supply Management Area

DWSMA Vulnerability

- Very High
- High
- Moderate
- Low



Source: National Geographic Society, i-cubed. Minnesota County Well Index (CWI).



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NORTH MANKATO
NORTH MANKATO, MINNESOTA

**DRINKING WATER SUPPLY MANAGEMENT AREA
VULNERABILITY ASSESSMENT**

FILE: g3northman01n - Fig12.MXD DATE: 10/27/2015 FIGURE:

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #8	Department: City Planner	Council Meeting Date: 03/21/16																											
TITLE OF ISSUE: Public Hearing, 7 pm- Utility Easements Vacation between Lots 3 and 4 of Block 3 of the Landing North Phase 1.																													
BACKGROUND AND SUPPLEMENTAL INFORMATION: As part of the vacating of utility easements between Lots 3 and 4 of Block 3 of Landing North Phase 1, it is necessary to set and hold a public hearing to formally vacate existing utility easements. All local utility companies have been notified of the proposed vacation of the utility easement.																													
<i>If additional space is required, attach a separate sheet</i>																													
REQUESTED COUNCIL ACTION: Public Hearing.																													
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) <u>Notice of Public Hearing, Affidavit of Publication</u> _____ _____ _____	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Aye	Nay																												
_____	_____	Norland																											
_____	_____	Freyberg																											
_____	_____	Spears																											
_____	_____	Steiner																											
_____	_____	Dehen																											
Resolution	Ordinance	Contract	Minutes	Map																									
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																									
<input type="checkbox"/> Workshop <input checked="" type="checkbox"/> Regular Meeting <input type="checkbox"/> Special Meeting	<input type="checkbox"/> Refer to: _____ <input type="checkbox"/> Table until: _____ <input type="checkbox"/> Other: _____																												

NOTICE OF HEARING ON UTILITY EASEMENTS VACATION
BETWEEN LOTS 3 AND 4 OF BLOCK 3 OF THE LANDING NORTH PHASE 1

NOTICE IS HEREBY GIVEN that the City Council of the City of North Mankato, Minnesota, will hold a Public Hearing on Monday, March 21, 2016, commencing at 7:00 p.m. in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue to consider the vacation of the following utility easements vacation between Lots 3 and 4 of Block 3 of the Landing North Phase 1:

All that part of the 5.0 foot Drainage and Utility Easements dedicated per the recorded plat of THE LANDING NORTH PHASE 1, City of North Mankato, Nicollet County, Minnesota, on each side of the line adjoining the common line between Lots 3 and 4 of Block 3 of said THE LANDING NORTH PHASE 1 being bounded by the following:

On the West by the east line of the 10.0 foot dedicated Drainage & Utility Easement lying along the west line of Block 3 of said THE LANDING NORTH PHASE 1.

On the Southeast by the 10.0 foot dedicated Drainage & Utility Easement lying along Sheridan Court as dedicated in the LANDING NORTH PHASE 1.

April Van Genderen
City Clerk
City of North Mankato, Minnesota

AFFIDAVIT OF PUBLICATION

State of Minnesota, ss.
County of Blue Earth

March 9, 2016
**NOTICE OF HEARING
ON UTILITY EASEMENTS
VACATION BETWEEN LOTS 3
AND 4 OF BLOCK 3 OF THE
LANDING NORTH PHASE 1**
NOTICE IS HEREBY GIVEN that the City Council of the City of North Mankato, Minnesota, will hold a Public Hearing on Monday, March 21, 2016, commencing at 7:00 p.m. in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue to consider the vacation of the following utility easements vacation between Lots 3 and 4 of Block 3 of the Landing North Phase 1:
All that part of the 5.0 foot Drainage and Utility Easements dedicated per the recorded plat of THE LANDING NORTH PHASE 1, City of North Mankato, Nicollet County, Minnesota, on each side of the line adjoining the common line between Lots 3 and 4 of Block 3 of said THE LANDING NORTH PHASE 1 being bounded by the following:
On the West by the east line of the 10.0 foot dedicated Drainage & Utility Easement lying along the west line of Block 3 of said THE LANDING NORTH PHASE 1.
On the Southeast by the 10.0 foot dedicated Drainage & Utility Easement lying along Sheridan Court as dedicated in the LANDING NORTH PHASE 1.
April Van Genderen
City Clerk
City of North Mankato, Minnesota

John T. Elchert, being duly sworn, on oath says that he is the publisher or authorized agent and employee of the publisher of the newspaper known as The Free Press and The Land, and has full knowledge of the facts which are stated below:

(A) The newspaper has complied with all of the requirements constituting qualification as a legal newspaper, as provided by Minnesota Statute 331.02, 331.06, and other applicable laws, as amended.

(B) The printed _____ Notice _____

_____ which is attached was cut from the columns of said newspaper, and was printed and published once each week, for 1 successive weeks; it was first published on Wednesday, the 9 day of March, 2016, and was thereafter printed and published on every Wednesday to and including Wednesday, the 9 day of March, 2016; and printed below is a copy of the lower case alphabet from A to Z, both inclusive, which is hereby acknowledged as being the size and kind of type used in the composition and publication of the notice:

abcdefghijklmnopqrstuvwxyz

By: John T. Elchert
Publisher

Subscribed and sworn to before me on this 9 day of March, 2016.

Kristin Moorhouse
Notary Public





City of North Mankato, MN

Claims List - Regular

By Vendor Name

Date Range: 3-21-2016

Vendor Number	Vendor Name	Payment Date	Payment Type	Discount Amount	Payment Amount	Number
Bank Code: APBNK-APBNK						
	Void	03/21/2016	Regular	0	-	84293
	Void	03/08/2016	Regular	0	(10,330.76)	84167
00009	A-1 KEY CITY LOCKSMITHS, INC	03/21/2016	Regular	0	173.00	84261
00024	AEM FINANCIAL SOLUTIONS LLC	03/21/2016	Regular	0	2,638.84	84262
00090	APT MACHINING & FABRICATING, INC.	03/21/2016	Regular	0	240.00	84263
00101	AT&T MOBILITY	03/15/2016	Regular	0	26.56	84254
00102	AUDIO EDITIONS	03/21/2016	Regular	0	491.52	84264
00134	BELLKATO CORPORATION	03/21/2016	Regular	0	1,055.00	84265
00145	BETTER HOUSEKEEPING VACUUMS, INC.	03/21/2016	Regular	0	24.95	84266
00174	BOLTON & MENK, INC.	03/21/2016	Regular	0	3,555.55	84267
00216	C & S SUPPLY CO, INC.	03/21/2016	Regular	0	145.24	84268
00227	CARQUEST AUTO PARTS STORE	03/21/2016	Regular	0	352.09	84269
00232	CEMSTONE CONCRETE MATERIALS, LLC	03/21/2016	Regular	0	1,911.95	84270
00241	CHARTER COMMUNICATIONS	03/09/2016	Regular	0	386.72	84245
00247	CINCINNATI INSURANCE COMPANY	03/21/2016	Regular	0	219.00	84271
00258	CITY OF MANKATO-WATER BILL	03/21/2016	Regular	0	22.51	84272
02058	CONSOLIDATED COMMUNICATIONS	03/09/2016	Regular	0	3,487.28	84246
00310	CRYSTEEL TRUCK EQUIPMENT, INC	03/21/2016	Regular	0	1,927.44	84273
00311	CULLIGAN WATER CONDITIONING	03/21/2016	Regular	0	82.00	84274
02279	DAVID & CHERYL ENDERSBE	03/11/2016	Regular	0	1,600.00	84251
02270	DAVID J. GALEY PE	03/21/2016	Regular	0	360.00	84275
02275	DEM-CON MATERIALS & RECOVERY	03/21/2016	Regular	0	2,050.45	84276
00343	DH ATHLETICS LLC	03/21/2016	Regular	0	7,556.48	84277
00369	EBSCO INFORMATION SERVICES	03/21/2016	Regular	0	3,274.17	84278
00401	EXPRESS SERVICES, INC.	03/21/2016	Regular	0	822.00	84279
00404	FASTENAL COMPANY	03/21/2016	Regular	0	700.53	84280
00426	FLAGS USA, INC.	03/21/2016	Regular	0	2,178.00	84281
00432	FLEETPRIDE	03/21/2016	Regular	0	594.29	84282
00447	FREE PRESS	03/21/2016	Regular	0	96.76	84283
00453	FREYBERG PETROLEUM SALES, INC.	03/21/2016	Regular	0	1,141.30	84284
00462	G & K SERVICES	03/21/2016	Regular	0	183.24	84285
00463	G & L AUTO SUPPLY, LLC	03/21/2016	Regular	0	60.88	84286
02280	GAG'S CAMPER WAY	03/21/2016	Regular	0	53.95	84287
00465	GALE/CENGAGE LEARNING	03/21/2016	Regular	0	320.71	84288
02276	GOLD CROSS EDUCATION CENTER	03/09/2016	Regular	0	964.00	84247
00493	GOODWIN, TONY	03/21/2016	Regular	0	500.00	84289
00494	GOPHER STATE ONE-CALL	03/21/2016	Regular	0	47.85	84290
00596	I & S GROUP, INC.	03/21/2016	Regular	0	4,674.00	84291
00600	ICMA RETIREMENT TRUST ROTH IRA	03/15/2016	Regular	0	625.00	84256
00601	ICMA RETIREMENT TRUST-457	03/15/2016	Regular	0	2,990.00	84257
00608	INGRAM LIBRARY SERVICES	03/21/2016	Regular	0	1,713.67	84292
00617	INTERNATIONAL INSTITUTE OF MUNICIPAL CL	03/21/2016	Regular	0	155.00	84294
00680	J.J. KELLER & ASSOCIATES, INC.	03/21/2016	Regular	0	670.50	84295
01275	JADD SEPPMANN & SONS, LLP	03/21/2016	Regular	0	37.24	84296
00639	JOHN DEERE FINANCIAL	03/21/2016	Regular	0	193.62	84297
00646	JOHNSON, KATIE	03/21/2016	Regular	0	35.64	84298
00691	KENNEDY & KENNEDY LAW OFFICE	03/21/2016	Regular	0	7,920.00	84299
00705	KNUDSON, DAVID	03/21/2016	Regular	0	276.48	84300
00720	KWIK TRIP, INC.	03/21/2016	Regular	0	12,727.33	84301
00733	LAKES GAS CO #10	03/21/2016	Regular	0	88.49	84302
00743	LARKSTUR ENGINEERING & SUPPLY, INC.	03/21/2016	Regular	0	83.64	84303
00746	LAW ENFORCEMENT LABOR SERVICES, INC.	03/15/2016	Regular	0	490.00	84258
00749	LAWSON PRODUCTS, INC	03/21/2016	Regular	0	349.09	84304
00775	LJP WASTE & RECYCLE, LLC	03/21/2016	Regular	0	240.00	84305
00776	LLOYD LUMBER CO.	03/21/2016	Regular	0	603.75	84306
00783	LONG-TERM CARE	03/21/2016	Regular	0	163.64	84307
00796	MAC QUEEN EQUIPMENT, INC.	03/21/2016	Regular	0	2,226.98	84308

00797	MAC TOOLS DISTRIBUTOR	03/21/2016	Regular	0	30.98	84309
00812	MANKATO BEARING COMPANY	03/21/2016	Regular	0	355.39	84310
00825	MANKATO MOTOR COMPANY	03/21/2016	Regular	0	4,566.95	84311
00845	MASTERSWITCH IT LLC	03/15/2016	Regular	0	1,508.99	84255
00847	MATHESON TRI-GAS, INC.	03/21/2016	Regular	0	199.19	84312
00851	MAYO CLINIC HEALTH SYSTEM - MANKATO	03/21/2016	Regular	0	9,443.00	84313
00857	MC GOWAN WATER CONDITIONING, INC.	03/21/2016	Regular	0	18.37	84314
00874	MENARDS-MANKATO	03/21/2016	Regular	0	291.72	84315
00283	MINNESOTA DEPARTMENT OF TRANSPORTATION	03/21/2016	Regular	0	323.43	84316
00902	MINNESOTA IRON & METAL CO	03/21/2016	Regular	0	729.30	84317
00954	MINNESOTA VALLEY ACTION COUNCIL	03/21/2016	Regular	0	13,661.61	84318
00910	MINNESOTA VALLEY TESTING LAB, INC.	03/21/2016	Regular	0	218.00	84319
00956	MINNESOTA WASTE PROCESSING CO.	03/21/2016	Regular	0	16,316.08	84320
00997	MTI DISTRIBUTING CO	03/21/2016	Regular	0	1,735.82	84321
01010	NATIONAL INSURANCE SERVICES OF WI, INC.	03/09/2016	Regular	0	1,287.30	84248
01010	NATIONAL INSURANCE SERVICES OF WI, INC.	03/09/2016	Regular	0	87.50	84249
01010	NATIONAL INSURANCE SERVICES OF WI, INC.	03/09/2016	Regular	0	644.50	84250
01018	NCPERS MINNESOTA-UNIT 662400	03/15/2016	Regular	0	208.00	84259
01052	NORTH CENTRAL INTERNATIONAL	03/21/2016	Regular	0	23.15	84322
01083	OVERDRIVE, INC.	03/21/2016	Regular	0	1,370.08	84323
01084	OVERHEAD DOOR CO. OF MANKATO, INC.	03/21/2016	Regular	0	123.90	84324
02005	PANTHEON COMPUTERS	03/21/2016	Regular	0	9,241.95	84325
02277	PENGUIN RANDOM HOUSE LLC	03/21/2016	Regular	0	4,403.95	84326
01099	PET EXPO DISTRIBUTORS	03/21/2016	Regular	0	75.00	84327
01106	PETTY CASH	03/21/2016	Regular	0	53.91	84328
01133	POWERPLAN	03/21/2016	Regular	0	516.61	84329
01137	PRAXAIR DISTRIBUTION, INC	03/21/2016	Regular	0	49.60	84330
01162	QUEST DIAGNOSTICS	03/21/2016	Regular	0	239.58	84331
01164	RADER, DUANE A.	03/21/2016	Regular	0	17.79	84332
01170	RAMY TURF PRODUCTS	03/21/2016	Regular	0	106.50	84333
01179	RED FEATHER PAPER CO.	03/21/2016	Regular	0	219.00	84334
02281	REINDERS	03/21/2016	Regular	0	3,644.16	84335
01205	RICKWAY, INC.	03/21/2016	Regular	0	7,910.00	84336
01211	RIVER BEND BUSINESS PRODUCTS	03/21/2016	Regular	0	435.64	84337
02268	S & S WORLDWIDE, INC.	03/21/2016	Regular	0	128.14	84338
01278	SHERWIN-WILLIAMS CO.	03/21/2016	Regular	0	42.56	84339
01311	SOUTHWEST CHAPTER OF ICC	03/21/2016	Regular	0	160.00	84340
01323	SPS COMPANIES, INC.	03/21/2016	Regular	0	50.80	84341
01335	STAPLES ADVANTAGE	03/21/2016	Regular	0	549.41	84342
01349	STONE & STEEL DESIGN, LLC	03/21/2016	Regular	0	193.56	84343
01091	STOREY KENWORTHY & MATT PARROTT	03/21/2016	Regular	0	46.76	84344
01352	STREICHER'S, INC	03/21/2016	Regular	0	431.91	84345
01371	TACTICAL SOLUTIONS	03/21/2016	Regular	0	203.00	84346
01402	TIRE ASSOCIATES	03/21/2016	Regular	0	2,655.79	84347
01407	TOOL SALES COMPANY	03/21/2016	Regular	0	15.00	84348
01415	TOYOTA-LIFT OF MINNESOTA	03/21/2016	Regular	0	721.78	84349
01433	TYLER TECHNOLOGIES	03/21/2016	Regular	0	7,769.96	84350
01443	UNITED STATES POSTAL SERVICE	03/21/2016	Regular	0	2,000.00	84351
01445	UNITED WAY INC	03/15/2016	Regular	0	170.81	84260
01470	VERIZON WIRELESS	03/11/2016	Regular	0	504.94	84252
01477	VIKING ELECTRIC SUPPLY, INC.	03/21/2016	Regular	0	614.56	84352
02282	WARD EINESS STRATEGIES	03/21/2016	Regular	0	4,000.00	84353
01517	WELLS FARGO CORPORATE TRUST SERVICE	03/21/2016	Regular	0	235,675.00	84354
01523	WENZEL AUTO ELECTRIC CO	03/21/2016	Regular	0	121.00	84355
01525	WEST CENTRAL SANITATION, INC.	03/21/2016	Regular	0	32,229.00	84356
02278	WOODSIDE ENVIRONMENTAL	03/11/2016	Regular	0	1,700.00	84253

Bank Code APBNK Summary

	Payable	Payment		
Payment Type	Count	Count	Discount	Payment
Regular Checks	279	112	0.00	435,218.50
Manual Checks	0	0	0.00	0.00
Voided Checks	0	1	0.00	0.00
Bank Drafts	0	0	0.00	0.00
EFT's	0	0	0.00	0.00
	279	113	0.00	435,218.50

Authorization Signatures

All Council

The above manual and regular claims lists are approved by:

MARK DEHEN- MAYOR

KIM SPEARS- COUNCIL MEMBER

DIANE NORLAND- COUNCIL MEMBER

WILLIAM STEINER- COUNCIL MEMBER

ROBERT FREYBERG- COUNCIL MEMBER

Pd
Cash



CITY OF NORTH MANKATO
APPLICATION FOR PARADE PERMIT

This application, accompanied by a map of the parade route and the required application fee, shall be submitted to our office at least thirty (30) days in advance of the parade date. This parade permit is pending until approval by the City Council and Chief of Police.

Applicant Information

Name:	<u>Deedra Foley</u>		
Address:	<u>1920 Lee Blvd.</u>		
City:	<u>North Mankato</u>	State:	<u>MN</u> Zip: <u>56003</u>
Telephone:	<u>(507) 389-7200 - SCC Deedra (507) 317-9297</u>		
Sponsoring Organization:	<u>South Central College Students (Team Challenge)</u>		
Address:	<u>1920 Lee Blvd.</u>		
City:	<u>North Mankato</u>	State:	<u>MN</u> Zip: <u>56003</u>
Telephone:	<u>(507) 389-7200</u>		
Occasion for Parade:	<u>Hosting an event for Veterans</u>		
Date of Parade:	<u>April 9th 2016</u>	Estimated Length of Parade:	<u>8:30am - 11:30am</u> 5K
Estimated Starting Time:	<u>8:30 am</u>	Estimated Finish Time:	<u>11:30am</u>
Estimated Number of Participants:	<u>200</u>		
General Composition of Parade:	<u>Walkers</u>		

As a duly authorized representative or agent of the parade sponsoring organization, I hereby make application for a permit to parade in the City of North Mankato, Minnesota. I hereby certify that, to the best of my knowledge, the above is an accurate and true description of the parade. I agree to execute the parade according to this permit and subject to the provisions and conditions which may be necessary to provide for the safety of parade participants and the orderly and safe movement of public traffic.

Deedra J Foley
Applicant

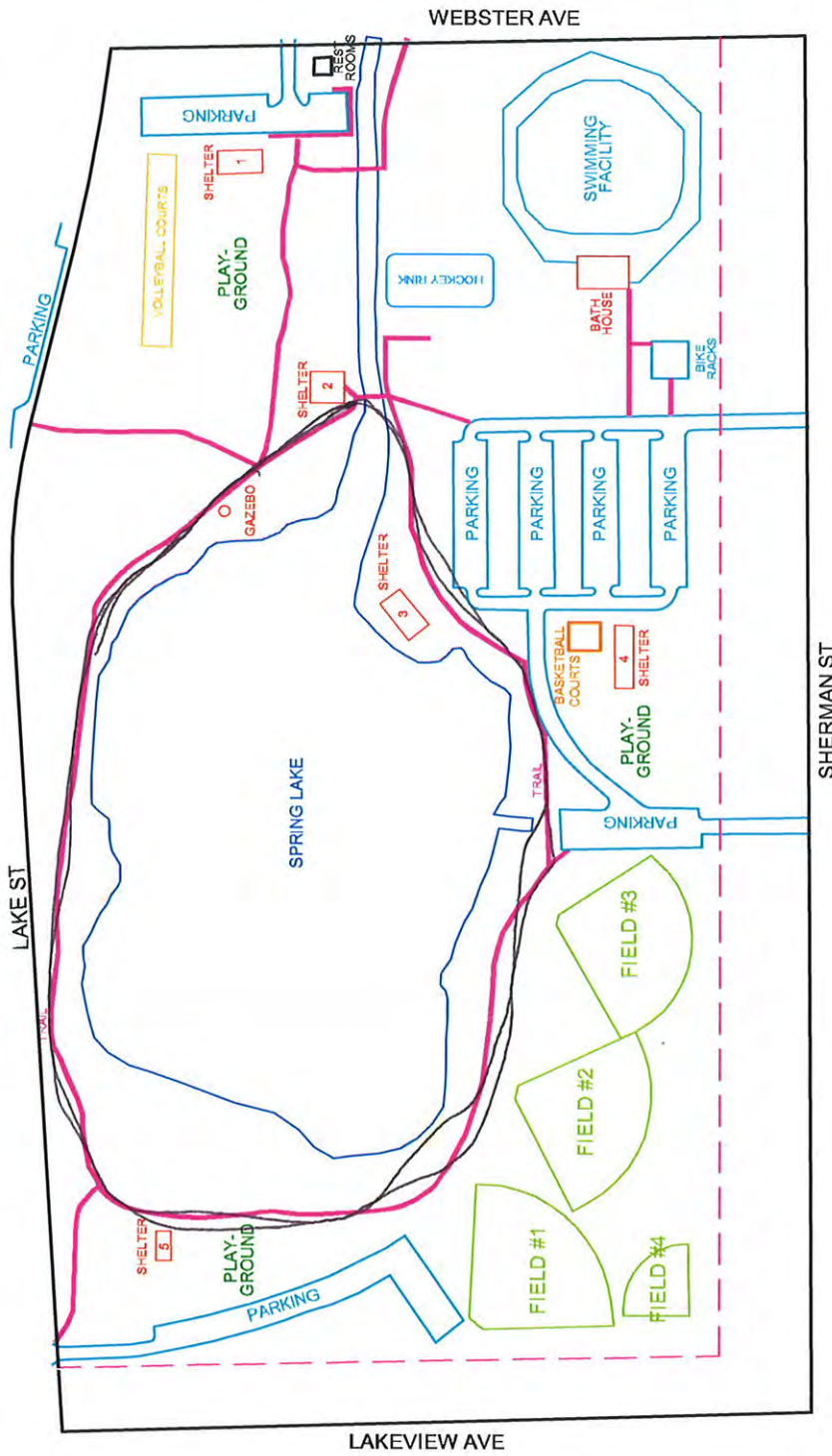
3-11-16
Date

Pursuant to Section 70.21 of the North Mankato City Code, I hereby authorize a parade permit for the applicant organization. This permit shall be valid only under the conditions recommended by the City of North Mankato and only for the date and time indicated.

#701
Chief of Police

03-15-16
Date

COMMENTS/ADDITIONAL STIPULATIONS:



CITY OF NORTH MANKATO
LOCATION MAP
SPRING LAKE PARK

FIGURE NO. 1

APRIL, 2006



CITY OF NORTH MANKATO

BOLTON & MENK, INC.
Consulting Engineers & Surveyors

MANKATO, MN FAIRMONT, MN SLEEPY EYE, MN WILLMAR, MN
BURNSVILLE, MN CHASKA, MN AMES, IA



(South Central College Students)

Hosting A Walk to Support Our Veterans!

Date: April 9th

Location: Spring Lake Park, North Mankato, MN

Time: 8:30AM-11:30AM

Guest Speakers

Come Rain or Shine (Prepare Yourself)

Coffee and Doughnuts will be provided by Hy-Vee and ...

Businesses: Tables set up with information for individuals and for families.

Fact: At least 22 veterans commit suicide on a daily basis.

Open to Donations All Day! (Gift Cards to Grocery Stores, Bus Passes, and Taxi Cards. Clothes, Sleeping Bags, Pillows, and Hygiene Products. We are also asking for any food donations!

All proceeds will go to MACV, to help homeless Veterans and to help prevent homelessness.



CITY OF NORTH MANKATO PARK PERMIT

This permit does reserve space in a City Park.

PERMIT #: 36 -2016 SHELTER: SLP#3 FEE: N/C

TYPE OF EVENT: Walk for Veterans DATE VALID: 4-9-16 HOURS: 8:30-11:30

ORGANIZATION: SCC Students SIZE: 800

APPLICANT NAME: Deedra Foley

ADDRESS: _____ CITY: _____

ZIP: _____ DAYTIME PHONE #: 507-317-9297

TENTS: NO ELECTRICITY: yes ALCOHOL: NO

If keg beer, a \$250 deposit and \$25 fee are required.

AUDIO DEVICES: ? - Small microphone / speaker

Amplified music or band requires Council approval

OTHER: _____

PERMIT APPROVED: _____ DATE: _____

PERMIT DENIED: _____

REFER TO COUNCIL: ✓ April

City Clerk

The following rules and regulations have been set by the City Code which apply to all parks and are enforced:

PROHIBITED

- * Vehicles are not allowed to be parked or driven on the grass for any reason unless permission is given from the Park Department.
- * Pets (Allowed in Benson Park and Bluff Park only. Must be on a 6' leash).
- * Glass containers.
- * Campfires / Bonfires / Fire rings.
- * Snowmobiles, ATVs, golfing, swimming, boating and motorized flotation devices.
- * Audio equipment may not be played so loud as to interfere with the reasonable use of the park by others. All audio devices shall end at 8 p.m.

ALLOWED

- * Personal grills may be brought in.
- * Keg beer is allowed only with a permit.
- * Fishing/Ice fishing on Ladybug Lake and Spring Lake only.
- * Non-motorized canoes and kayaks on Ladybug Lake and Spring Lake. Children under 12 must be accompanied by an adult. Flotation device required.
- * Hog roasts are allowed in the parks on hard-surfaced lots only.

I, the undersigned, understand that the park shelter reservation fee is NOT a deposit and is NOT refundable for any reason other than inclement weather making it impossible to hold a picnic. Cancellation of this park shelter reservation will NOT result in a refund of the fee. **If prior approval is not obtained for the installation of additional tents or stakes and causes disruption of utility services, I agree to be held liable for any repairs to service lines.**

SIGNED: Deedra Foley

Applicant

3-11-16
Date

For Office Use Only

Receipt # _____ Online _____ Book _____ Park _____ Police _____

CITY OF NORTH MANKATO PARK PERMIT

This permit does reserve space in a City Park.

PERMIT #: 37 -2016 SHELTER: Wheeler FEE: 80.00 *pd cash*

TYPE OF EVENT: First Communion DATE VALID: 5-1-16 HOURS: 8:30a - 10 pm

ORGANIZATION: Lopez SIZE: 50

APPLICANT NAME: Abel Lopez

ADDRESS: 307 S Broad St. # 408 CITY: Mankato

ZIP: _____ DAYTIME PHONE #: 507-469-5811

TENTS: NO ELECTRICITY: yes ALCOHOL: some cans

If keg beer, a \$250 deposit and \$25 fee are required.

AUDIO DEVICES: Karaoke machine

Amplified music or band requires Council approval

OTHER: _____

PERMIT APPROVED: _____ DATE: _____

PERMIT DENIED: _____

REFER TO COUNCIL: ☒

City Clerk

The following rules and regulations have been set by the City Code which apply to all parks and are enforced:

PROHIBITED

- * Vehicles are not allowed to be parked or driven on the grass for any reason unless permission is given from the Park Department.
- * Pets (Allowed in Benson Park and Bluff Park only. Must be on a 6' leash).
- * Glass containers.
- * Campfires / Bonfires / Fire rings.
- * Snowmobiles, ATVs, golfing, swimming, boating and motorized flotation devices.
- * Audio equipment may not be played so loud as to interfere with the reasonable use of the park by others. All audio devices shall end at 8 p.m.

ALLOWED

- * Personal grills may be brought in.
- * Keg beer is allowed only with a permit.
- * Fishing/Ice fishing on Ladybug Lake and Spring Lake only.
- * Non-motorized canoes and kayaks on Ladybug Lake and Spring Lake. Children under 12 must be accompanied by an adult. Flotation device required.
- * Hog roasts are allowed in the parks on hard-surfaced lots only.

I, the undersigned, understand that the park shelter reservation fee is NOT a deposit and is NOT refundable for any reason other than inclement weather making it impossible to hold a picnic. Cancellation of this park shelter reservation will NOT result in a refund of the fee. **If prior approval is not obtained for the installation of additional tents or stakes and causes disruption of utility services, I agree to be held liable for any repairs to service lines.**

SIGNED: Abel Lopez Cortes
Applicant

March 11/2016
Date

For Office Use Only

Receipt # _____

Online _____

☒ Book

Park _____

Police _____



CITY OF NORTH MANKATO
APPLICATION FOR PARADE PERMIT

This application, accompanied by a map of the parade route and the required application fee, shall be submitted to our office at least thirty (30) days in advance of the parade date. This parade permit is pending until approval by the City Council and Chief of Police.

Applicant Information

Name:	Rip Roar Kids Triathlon		
Address:	104 SW 4th ST #412		
City:	Des Moines	State:	IA
Telephone:	319.721.7837		
Sponsoring Organization:	Rip Roar Events LLC		
Address:	104 SW 4th St #412		
City:	Des Moines	State:	IA
Telephone:	319.721.7837	Zip:	50309
Occasion for Parade:	Road Closure requested for biking portion		
Date of Parade:	June 25th, 2016	Estimated Length of Parade:	1.3 miles
Estimated Starting Time:	8:00AM	Estimated Finish Time:	Noon
Estimated Number of Participants:	200		
General Composition of Parade:	Kids ages 6-15 on bicycles		

As a duly authorized representative or agent of the parade sponsoring organization, I hereby make application for a permit to parade in the City of North Mankato, Minnesota. I hereby certify that, to the best of my knowledge, the above is an accurate and true description of the parade. I agree to execute the parade according to this permit and subject to the provisions and conditions which may be necessary to provide for the safety of parade participants and the orderly and safe movement of public traffic.

Applicant

3/2/2016

Date

Pursuant to Section 70.21 of the North Mankato City Code, I hereby authorize a parade permit for the applicant organization. This permit shall be valid only under the conditions recommended by the City of North Mankato and only for the date and time indicated.

Chief of Police

#701

03-07-16

Date

COMMENTS/ADDITIONAL STIPULATIONS:

Rip Roar Kids Triathlon

June 27th, 2015

SWIM:

Seniors - 2 Laps
Intermediates - 1 Lap
Juniors - Amended

BIKE:

Seniors - 4 Laps
Intermediates - 2 Laps
Juniors - 1 Lap

RUN:

Seniors - 2 Laps
Intermediates - 1 Lap
Juniors - Amended

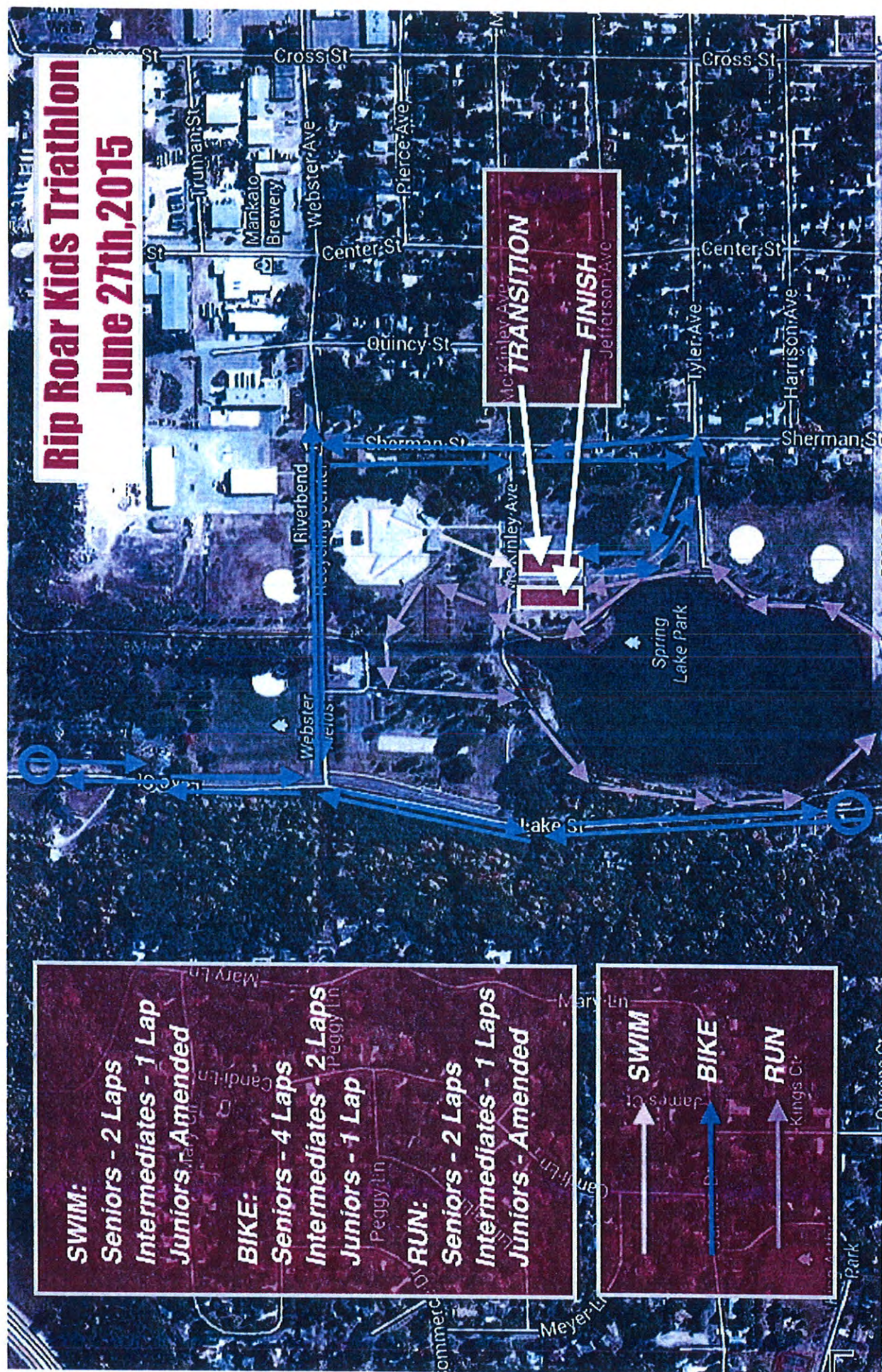
SWIM

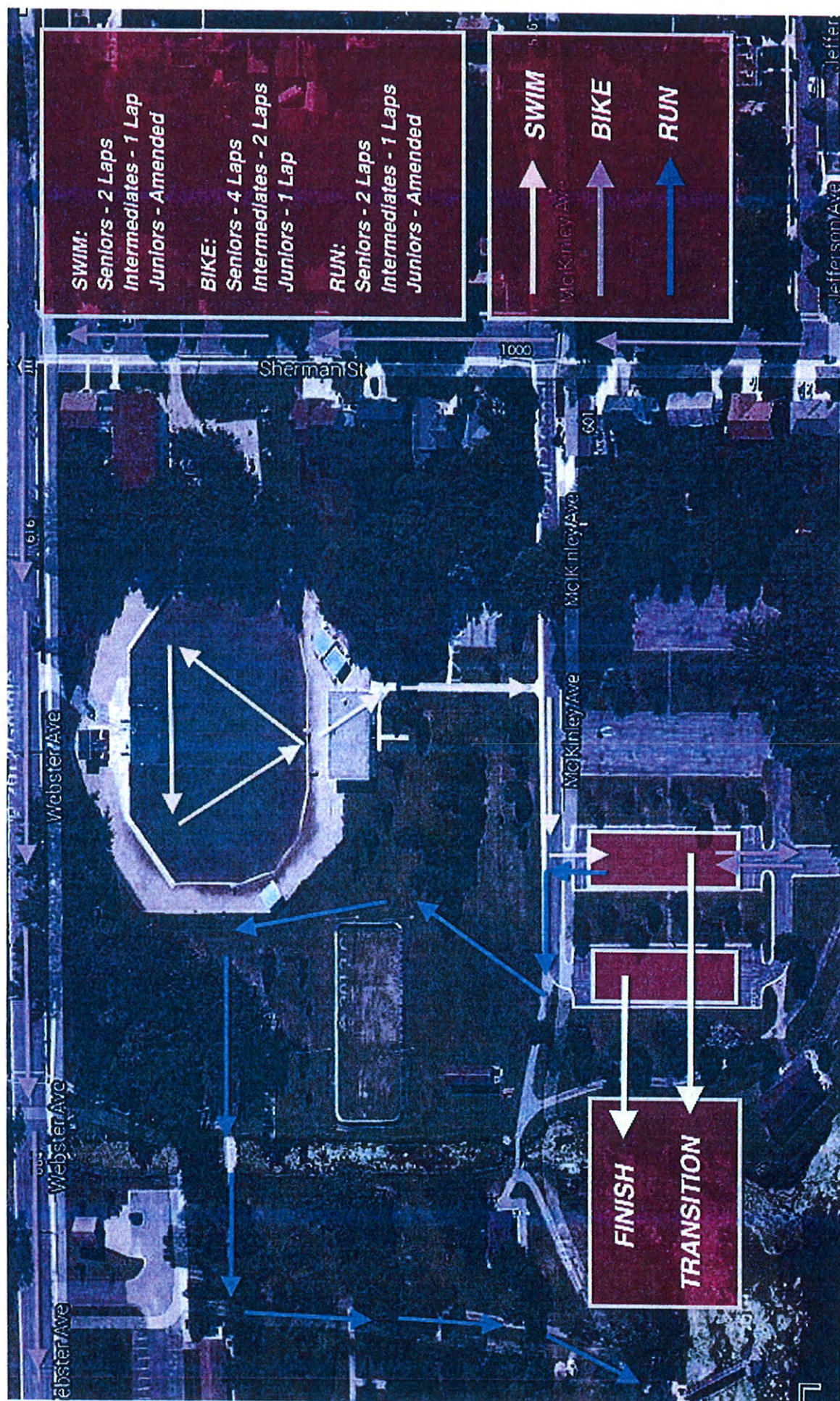
BIKE

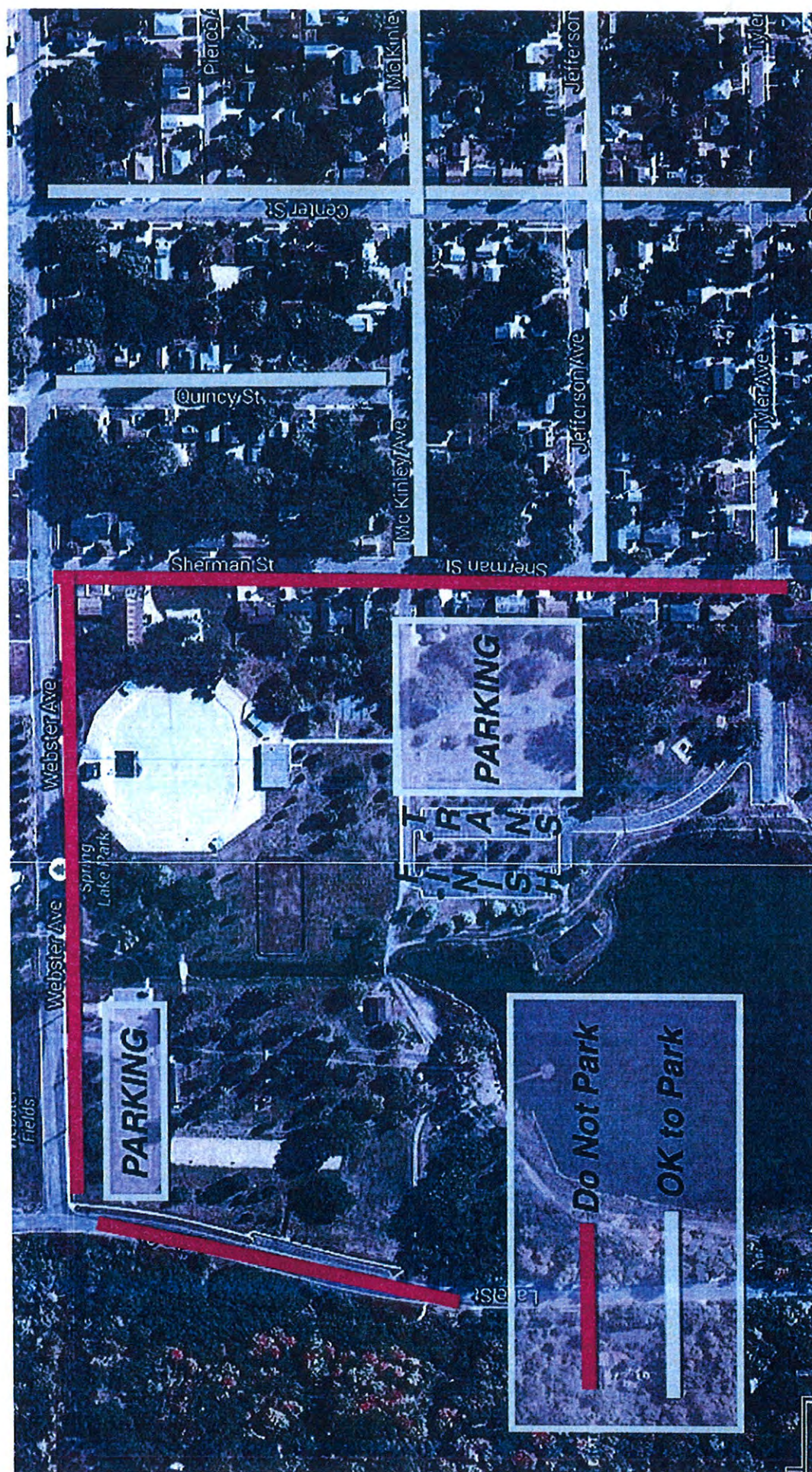
RUN

TRANSITION

FINISH







CITY OF NORTH MANKATO PARK PERMIT

This permit does reserve space in a City Park.

PERMIT #: 38 -2016 SHELTER: SLP # 2 + 3 FEE: setup 8am
TYPE OF EVENT: Triathlon DATE VALID: 6-24-16 HOURS: Fri NOON-6pm
6-25-16 Sat 7am-2pm

ORGANIZATION: Rip Roar Events SIZE: _____
APPLICANT NAME: Michael Zimmerman
ADDRESS: 104 SW 4th St. #412 CITY: Des Moines, IA
ZIP: 50309 DAYTIME PHONE #: 319-721-7837

TENTS: yes-NO ELECTRICITY: yes ALCOHOL: NO
Staking

AUDIO DEVICES: Audio System If keg beer, a \$250 deposit and \$25 fee are required.
(Speakers + iPad) Amplified music or band requires Council approval Fri - NOON - 6pm
Sat - 7:00a - NOON

OTHER: inflatable arches - finish line

PERMIT APPROVED: _____ DATE: _____

PERMIT DENIED: _____

REFER TO COUNCIL: ☒ _____

City Clerk

The following rules and regulations have been set by the City Code which apply to all parks and are enforced:

PROHIBITED

- * Vehicles are not allowed to be parked or driven on the grass for any reason unless permission is given from the Park Department.
- * Pets (Allowed in Benson Park and Bluff Park only. Must be on a 6' leash).
- * Glass containers.
- * Campfires / Bonfires / Fire rings.
- * Snowmobiles, ATVs, golfing, swimming, boating and motorized flotation devices.
- * Audio equipment may not be played so loud as to interfere with the reasonable use of the park by others. All audio devices shall end at 8 p.m.

ALLOWED

- * Personal grills may be brought in.
- * Keg beer is allowed only with a permit.
- * Fishing/Ice fishing on Ladybug Lake and Spring Lake only.
- * Non-motorized canoes and kayaks on Ladybug Lake and Spring Lake. Children under 12 must be accompanied by an adult. Flotation device required.
- * Hog roasts are allowed in the parks on hard-surfaced lots only.

I, the undersigned, understand that the park shelter reservation fee is NOT a deposit and is NOT refundable for any reason other than inclement weather making it impossible to hold a picnic. Cancellation of this park shelter reservation will NOT result in a refund of the fee. If prior approval is not obtained for the installation of additional tents or stakes and causes disruption of utility services, I agree to be held liable for any repairs to service lines.

SIGNED: 

Applicant

3-16-2016

Date

For Office Use Only
Receipt # _____ Online _____ Book _____ Park _____ Police _____



CITY OF NORTH MANKATO
APPLICATION FOR PARADE PERMIT

This application, accompanied by a map of the parade route and the required application fee, shall be submitted to our office at least thirty (30) days in advance of the parade date. This parade permit is pending until approval by the City Council and Chief of Police.

Applicant Information

Name: Mark Bongers
Address: PO Box 121
City: Verstrand State: MN Zip: 55053
Telephone: 507-664-9438
Sponsoring Organization: Final Stretch Inc
Address: PO Box 121
City: Verstrand State: MN Zip: 55053
Telephone: 507-664-9438
Occasion for Parade: North Mankato Triathlon
Date of Parade: 8/14/16 Estimated Length of Parade: 350 participants
Estimated Starting Time: 8 am Estimated Finish Time: 1:30pm
Estimated Number of Participants: 350
General Composition of Parade: Runners & Bikers for Triathlon

As a duly authorized representative or agent of the parade sponsoring organization, I hereby make application for a permit to parade in the City of North Mankato, Minnesota. I hereby certify that, to the best of my knowledge, the above is an accurate and true description of the parade. I agree to execute the parade according to this permit and subject to the provisions and conditions which may be necessary to provide for the safety of parade participants and the orderly and safe movement of public traffic.

MLB
Applicant

3/1/16
Date

Pursuant to Section 70.21 of the North Mankato City Code, I hereby authorize a parade permit for the applicant organization. This permit shall be valid only under the conditions recommended by the City of North Mankato and only for the date and time indicated.

#701
Chief of Police

03-07-16
Date

COMMENTS/ADDITIONAL STIPULATIONS:



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

2/9/2016

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Blakestad 901 N 3rd Street #114 Minneapolis MN 55401	CONTACT NAME: Sandi Bucheger PHONE (A/C, No, Ext): (612) 767-0880 FAX (A/C, No): (763) 574-7504 E-MAIL: sbucheger@blakestad.com ADDRESS: INSURER(S) AFFORDING COVERAGE INSURER A: Secura Insurance INSURER B: INSURER C: INSURER D: INSURER E: INSURER F:
INSURED Final Stretch, Inc. PO Box 121 12447 150th Street East Nerstrand MN 55053	NAIC # 22543

COVERAGES

CERTIFICATE NUMBER: CL162902856

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL SUBR INSD WVO	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PROJECT <input type="checkbox"/> LOC <input type="checkbox"/> OTHER:		CP3220864	4/1/2016	4/1/2017	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 100,000 MED EXP (Any one person) \$ Excluded PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 2,000,000 PRODUCTS - COMPI/OP AGG \$ 2,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> ALL OWNED AUTOS <input type="checkbox"/> HIRED AUTOS <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS					COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
A	<input checked="" type="checkbox"/> UMBRELLA LIAB <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> DED <input checked="" type="checkbox"/> RETENTIONS 10,000	<input type="checkbox"/> OCCUR <input type="checkbox"/> CLAIMS-MADE	CU3220865	4/1/2016	4/1/2017	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below	Y/N <input type="checkbox"/> N/A				PER STATUTE OTH-ER E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Event - 08/14/2016 North Mankato Triathlon

The Certificate Holder includes the City of North Mankato, It's officers, employees, volunteers and assigns.

CERTIFICATE HOLDER

CANCELLATION

City of North Mankato 1001 Belgrade Ave North Mankato, MN 56002	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE Jerod Blakestad/SANB
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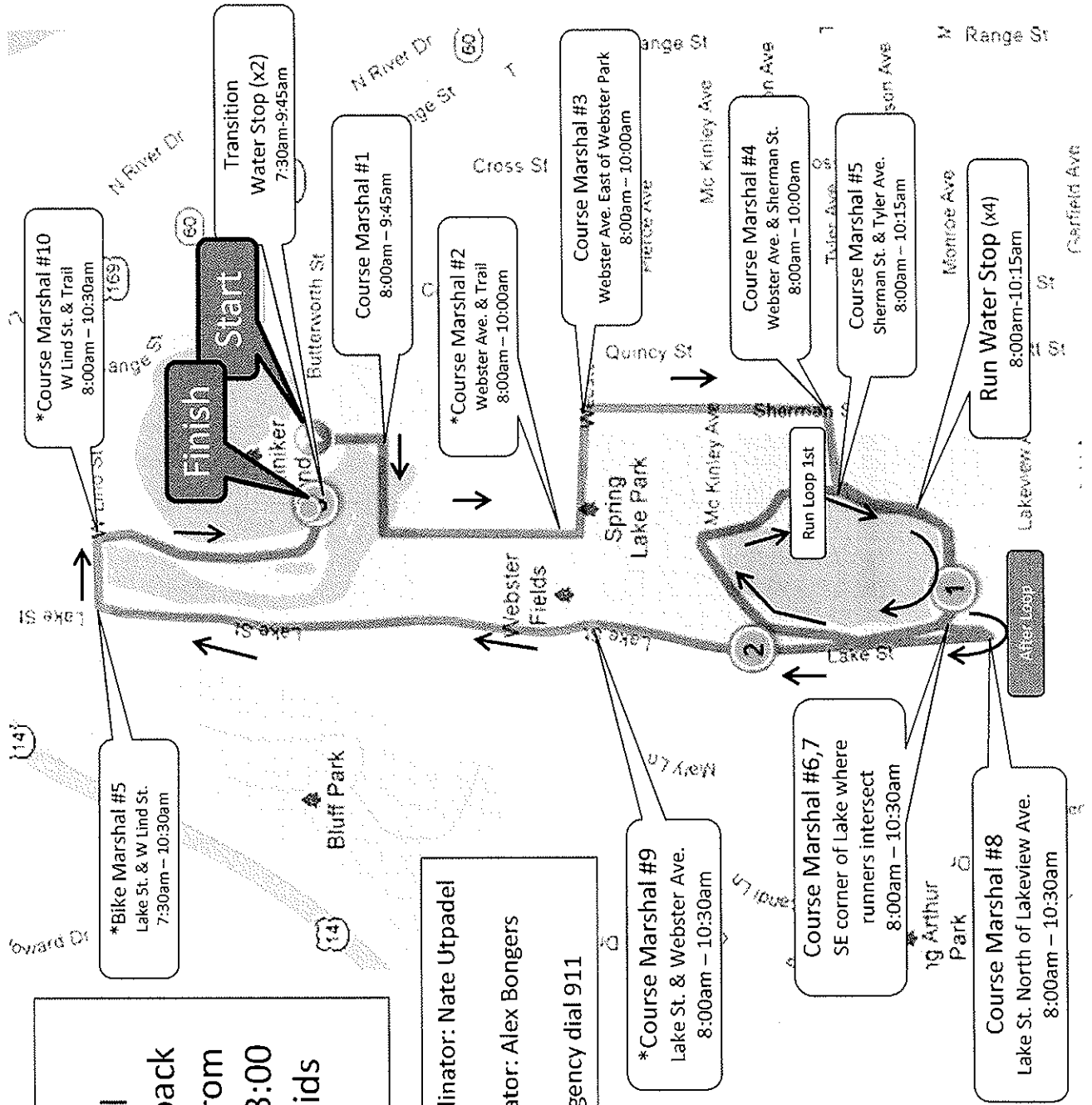
N. Mankato Tri - 3 Mile Run

← = runner direction ← = loop direction

2 = Mile Marker

* = Kids Tri
Marshal (will need to be back in position from 11:15 am – 3:00 pm for the Kids Triathlon.

Volunteer Coordinator: Nate Utpadel
(507) 649-7166
Course Coordinator: Alex Bongers
(507) 649-7832
In Case of Emergency dial 911



MAIN

N. Mankato Tri - 3 Mile Run

← = runner direction

← = loop direction

2 = Mile Marker

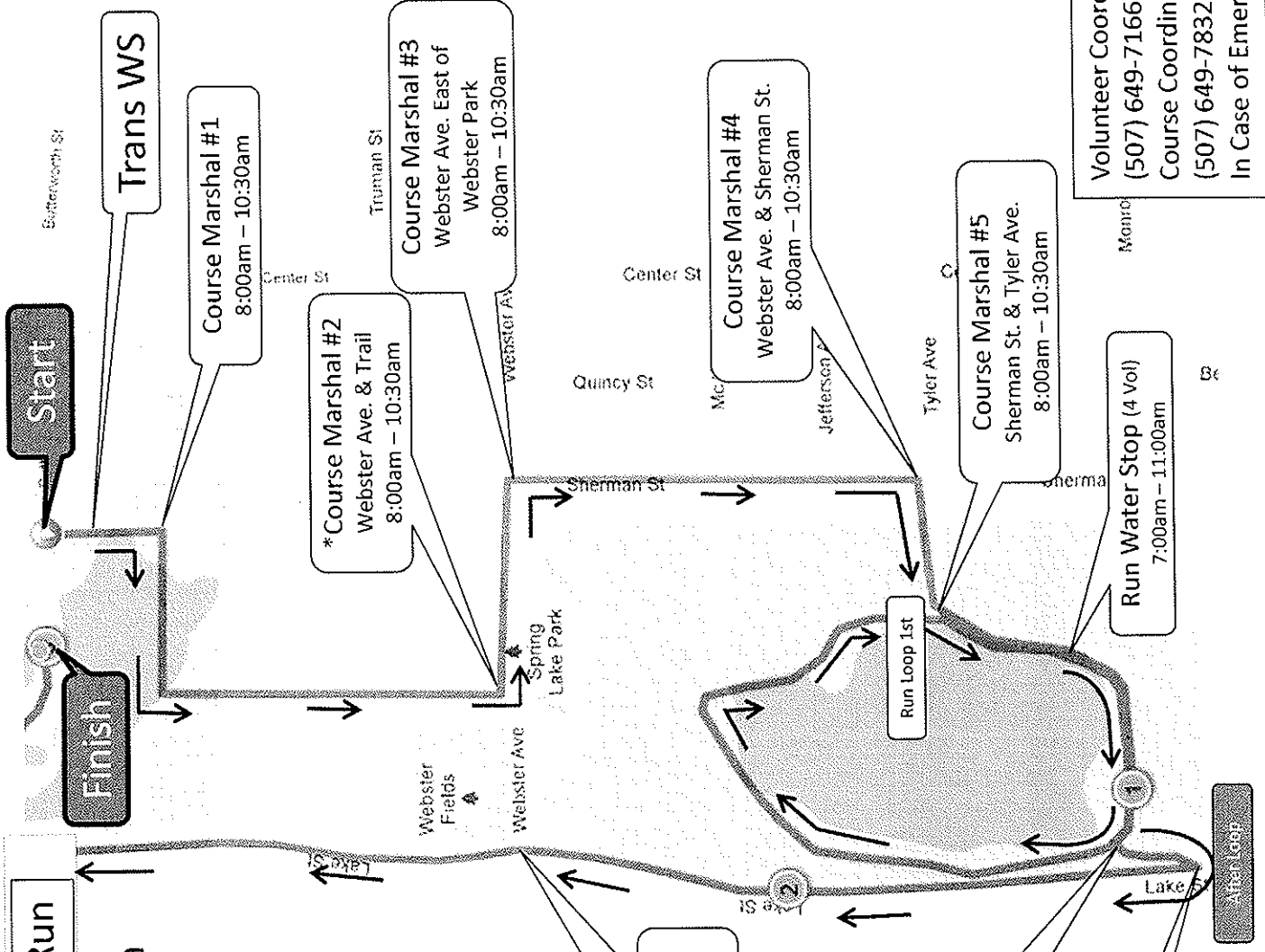
* = Kids Tri Marshal
(will need to be back
in position from 11:15
am - 3:00 pm for the
Kids Triathlon.

* Course Marshal #9
Lake St. & Webster Ave.
8:00am - 10:30am

Course Marshal #6,7
SE corner of Lake where
runners intersect
8:00am - 10:30am

Course Marshal #8
Lake St. North of Lakeview Ave.
8:00am - 10:30am

1 of 2



Volunteer Coordinator: Nate Utpadel
(507) 649-7166
Course Coordinator: Alex Bongers
(507) 649-7832
In Case of Emergency dial 911

N. Mankato Tri-12 Mile Bike

*Bike Marshal #5
Lake St. & W Lind St.
7:30am - 10:30am

*Course Marshal #10
W Lind St. & Trail
8:00am - 10:30am

Start

Finish

Volunteer Coordinator:
Course Coordinator:
In Case of Emergency dial 911

2 = Mile Marker

* = Kids Tri Marshal
(will need to be
back in position
from 11:15 am -
3:00 pm for the
Kids Triathlon.

← = runner direction
← = loop direction

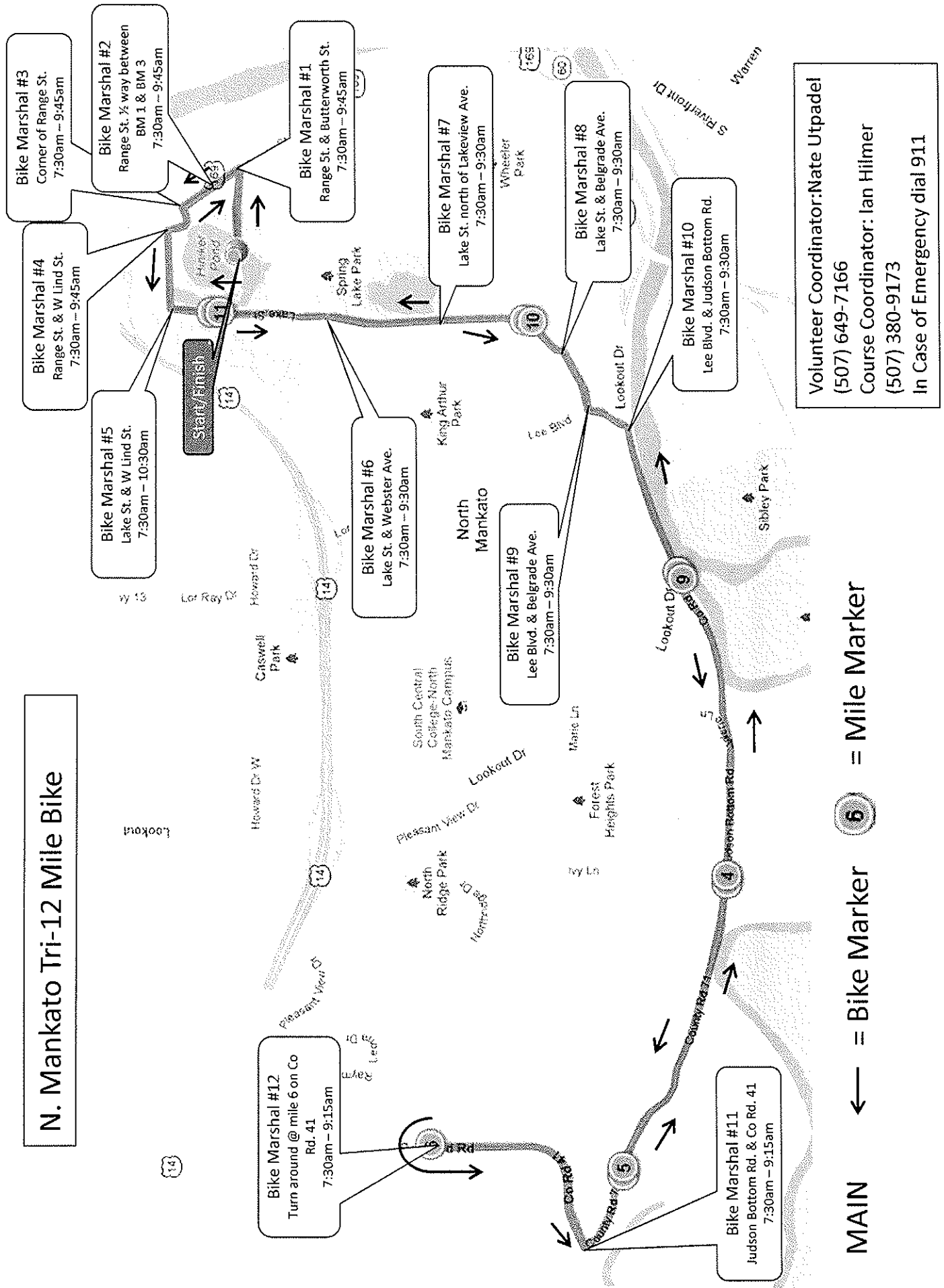
Course Marshal #1
8:00am - 10:30am

*Course Marshal #2
Webster Ave. & Trail
8:00am - 10:30am

*Course Marshal #9
Lake St. & Webster Ave.
8:00am - 10:30am

Volunteer Coordinator: Nate Utpadel
(507) 649-7166
Course Coordinator: Ian Hilmer
(507) 380-9173
In Case of Emergency dial 911

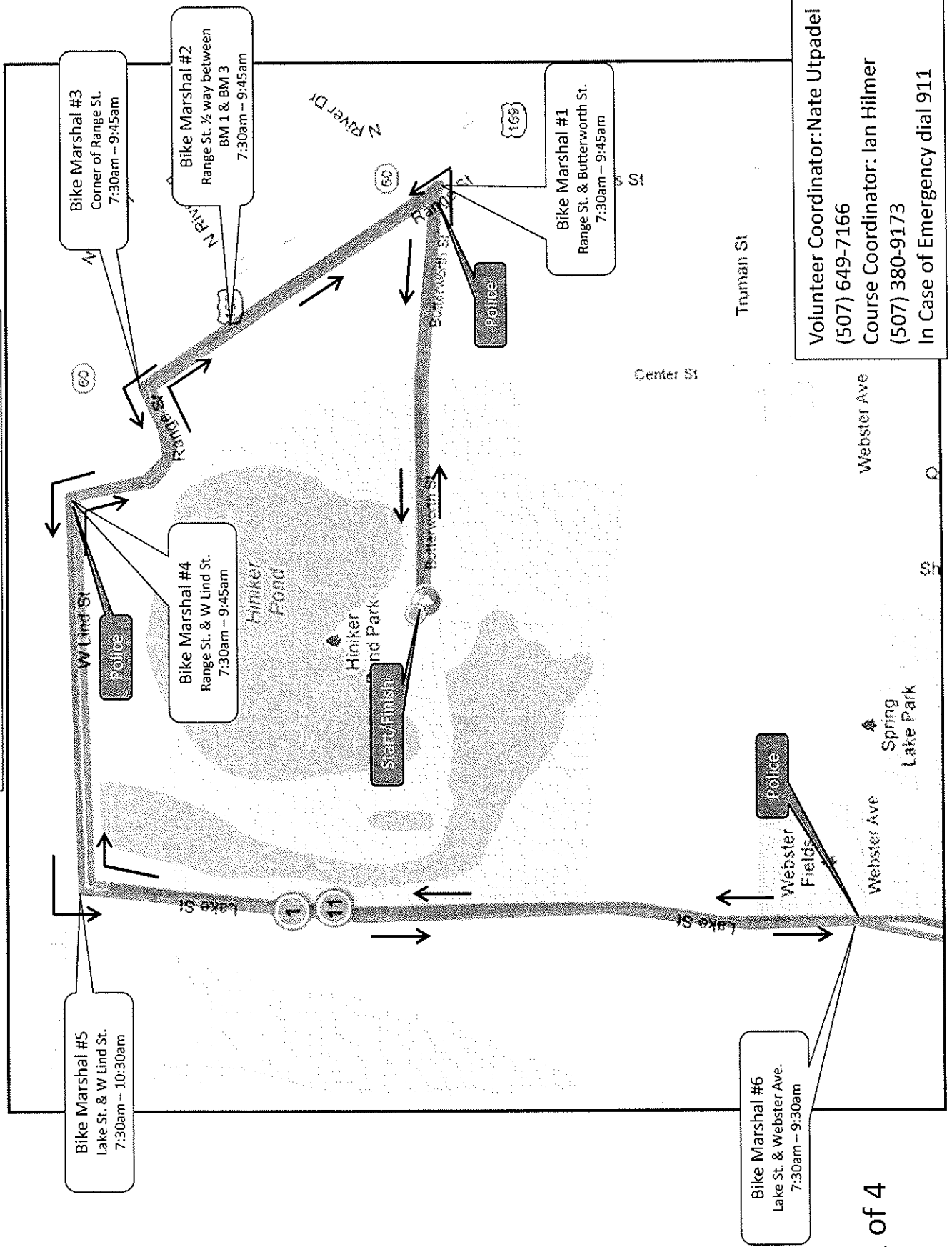
N. Mankato Tri-12 Mile Bike



← = Bike Direction

N. Mankato Tri-12 Mile Bike

6 = Mile Marker



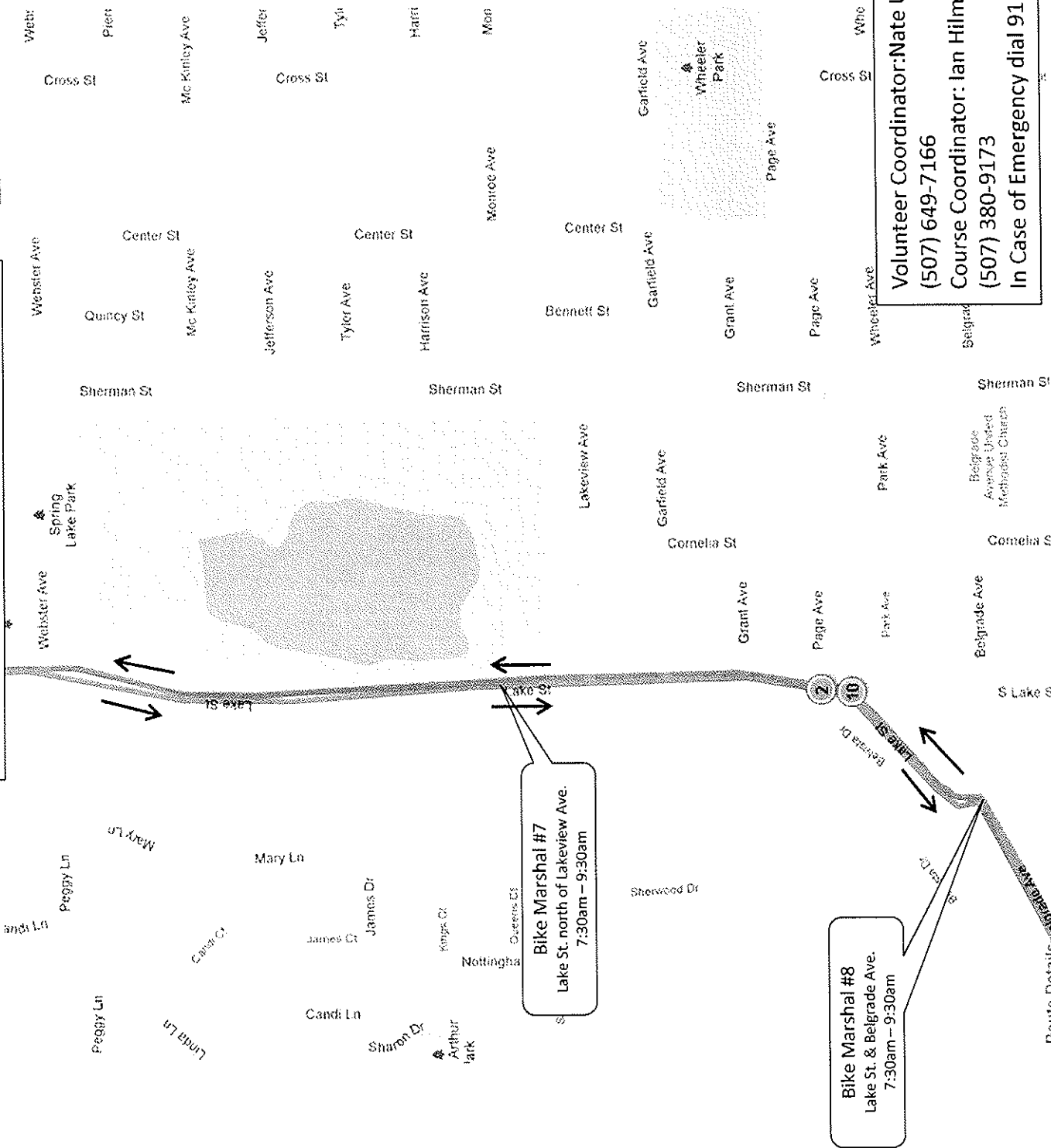
Volunteer Coordinator: Nate Utpadel
(507) 649-7166
Course Coordinator: Ian Hilmer
(507) 380-9173
In Case of Emergency dial 911

← = Bike Direction

N. Mankato Tri-12 Mile Bike



= Mile Marker

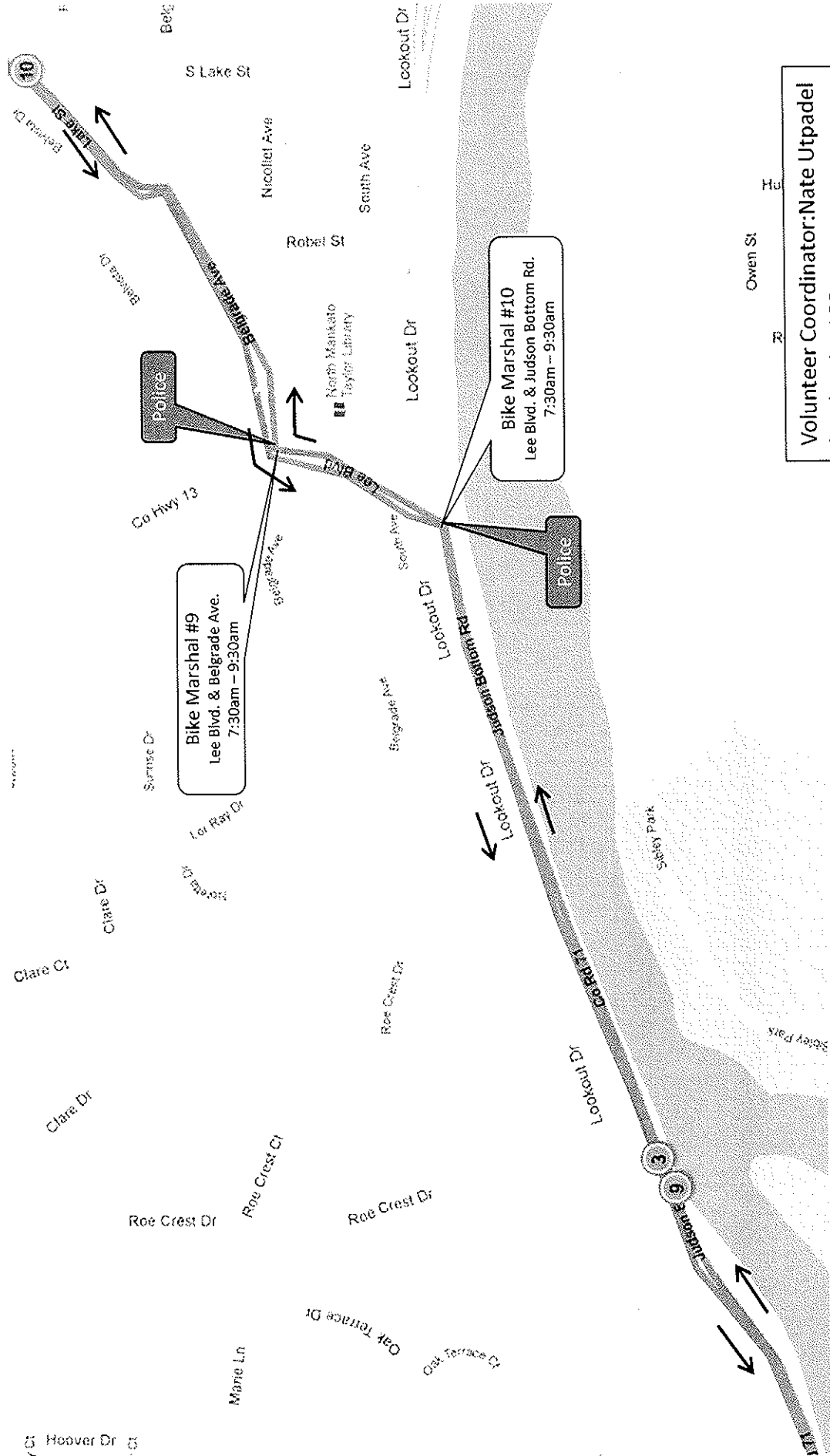


← = Bike Direction

N. Mankato Tri-12 Mile Bike



= Mile Marker

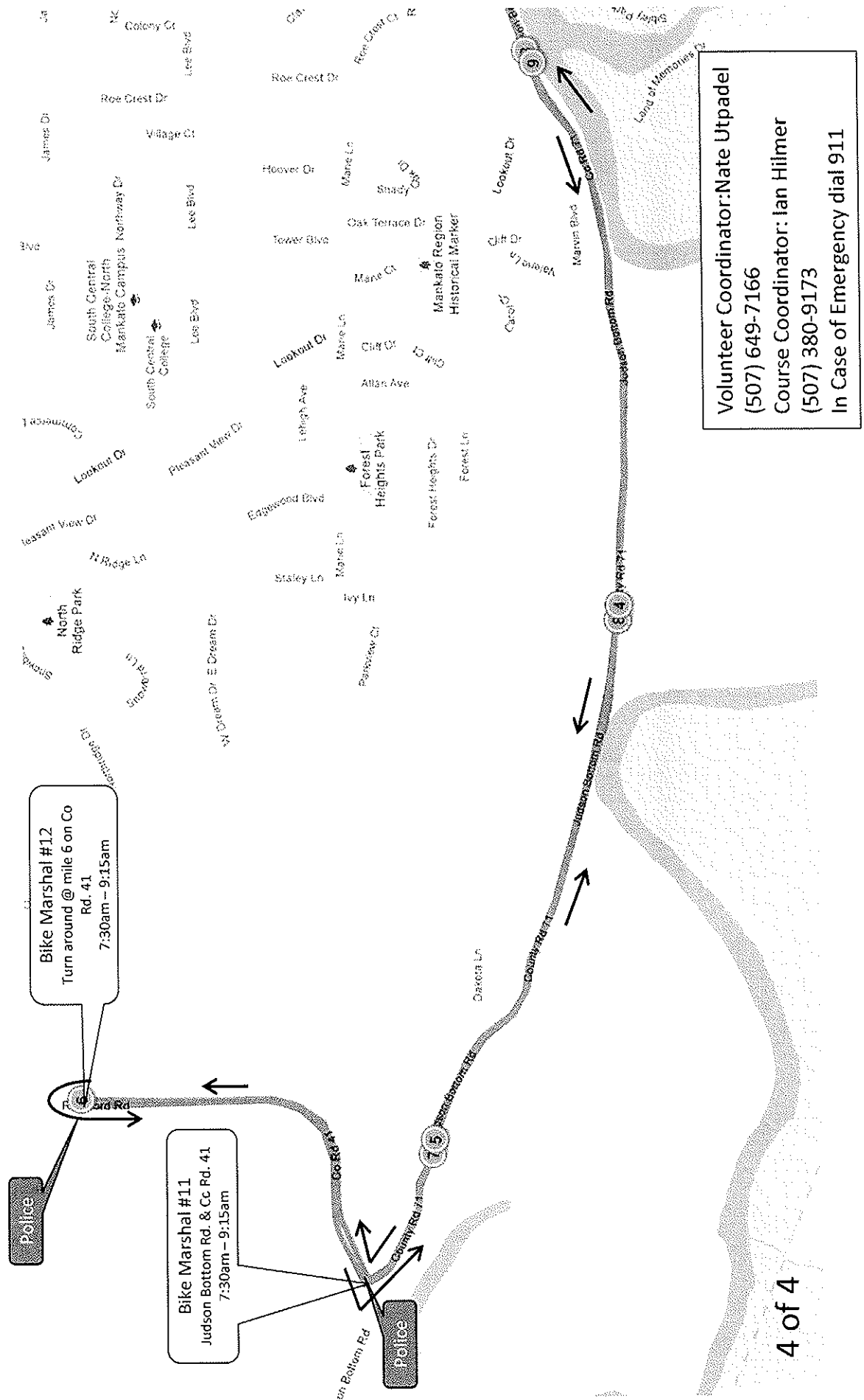


Volunteer Coordinator: Nate Utpadel
(507) 649-7166
Course Coordinator: Ian Hilmer
(507) 380-9173
In Case of Emergency dial 911

← = Bike Direction

N. Mankato Tri-12 Mile Bike

6 = Mile Marker





CITY OF NORTH MANKATO
APPLICATION FOR PARADE PERMIT

This application, accompanied by a map of the parade route and the required application fee, shall be submitted to our office at least thirty (30) days in advance of the parade date. This parade permit is pending until approval by the City Council and Chief of Police.

Applicant Information

Name:	BRAD SWANSON		
Address:	1001 BELGRADE AVE		
City:	N MANKATO	State:	MN
Zip:	56003		
Telephone:	507-381-6603		
Sponsoring Organization:	CITY OF NORTH MANKATO		
Address:	1001 BELGRADE AVE		
City:	N MANKATO	State:	MN
Zip:	56003		
Telephone:	507-625-4141		
Occasion for Parade:	BIKE RACE		
Date of Parade:	June 18th 2016	Estimated Length of Parade:	20 miles Route 5 in town
Estimated Starting Time:	12:00 pm	Estimated Finish Time:	5:00 pm
Estimated Number of Participants:	400		
General Composition of Parade:	BIKE RIDERS		

As a duly authorized representative or agent of the parade sponsoring organization, I hereby make application for a permit to parade in the City of North Mankato, Minnesota. I hereby certify that, to the best of my knowledge, the above is an accurate and true description of the parade. I agree to execute the parade according to this permit and subject to the provisions and conditions which may be necessary to provide for the safety of parade participants and the orderly and safe movement of public traffic.

Brad Swanson
Applicant

3/3/16
Date

Pursuant to Section 70.21 of the North Mankato City Code, I hereby authorize a parade permit for the applicant organization. This permit shall be valid only under the conditions recommended by the City of North Mankato and only for the date and time indicated.

[Signature] #701
Chief of Police

03-07-16
Date

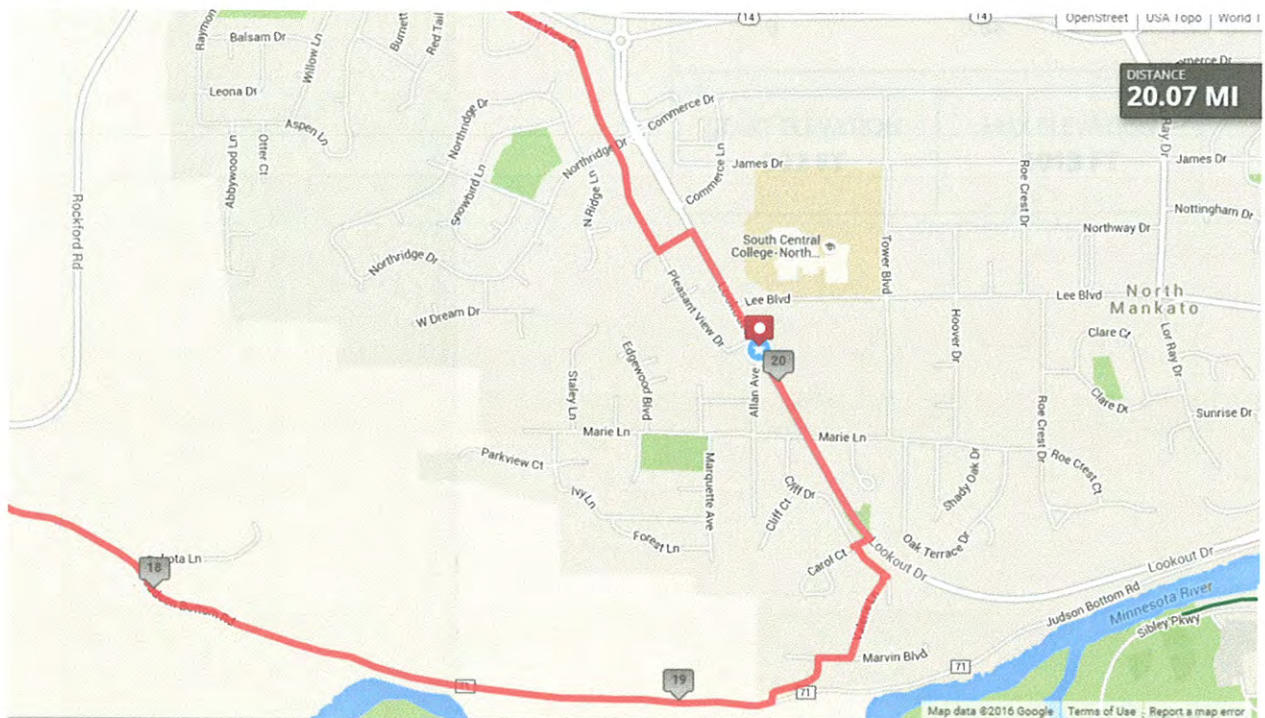
COMMENTS/ADDITIONAL STIPULATIONS:

2016 North Mankato Course Maps

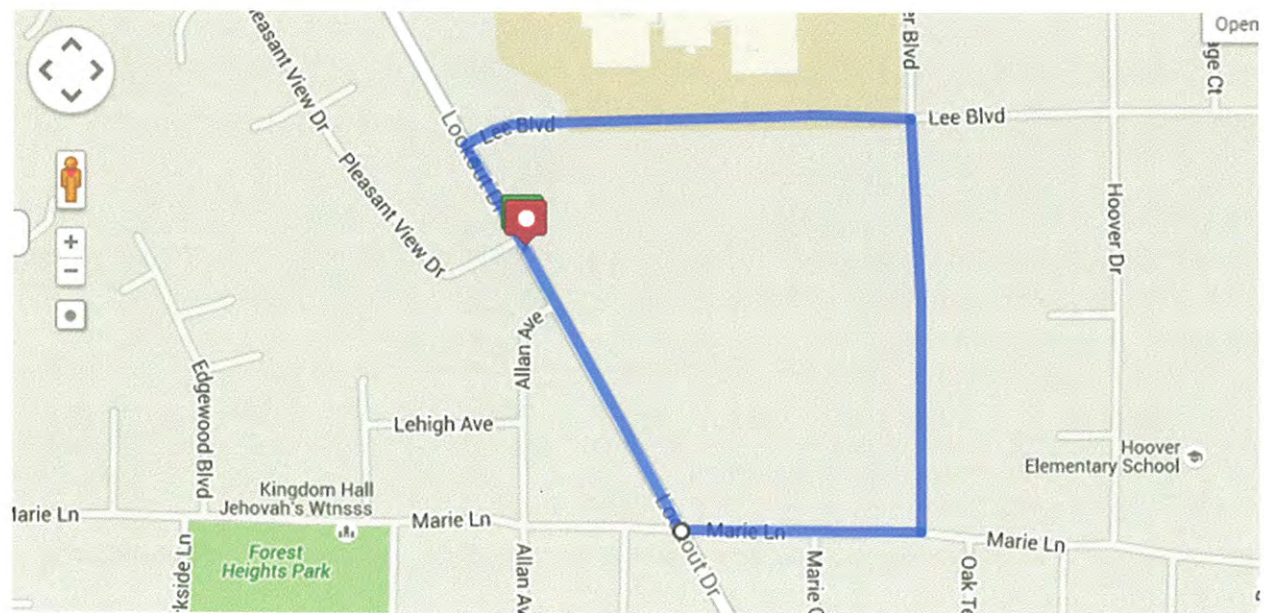
Rural Circuit (Start and Finish are located at Lookout Drive and Pleasant View)



Rural Circuit in-town detail



Amateur Criterium course (Start and Finish are located at Lookout Drive and Pleasant View)



CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #9J	Department: City Attorney	Council Meeting Date: 03/21/16																												
TITLE OF ISSUE: Consider Resolution Authorizing City Attorney to Subscribe to Minnesota Government Access with Minneosta Court Data Services.																														
BACKGROUND AND SUPPLEMENTAL INFORMATION: As the Minnesota Court System goes electronic the Court system is requiring additional authorization to access certain governmental data through computers. The City Council must adopt the attached resolution in order for the City Attorney to access the electronic data necessary to perform the role of prosecutor.																														
<i>If additional space is required, attach a separate sheet</i>																														
REQUESTED COUNCIL ACTION: Adopt Resolution Authorizing City Attorney to Subscribe to Minnesota Government access with Minnesota Court Data Services.																														
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) _____ Publication _____ _____ _____ _____		Resolution	Ordinance	Contract	Minutes	Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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RESOLUTION AUTHORIZING CITY ATTORNEY TO SUBSCRIBE TO MINNESOTA GOVERNMENT
ACCESS WITH MINNESOTA COURT DATA SERVICES

WHEREAS, the City of North Mankato, through its City Attorney, Kennedy and Kennedy Law Office, desires to improve efficiencies through participating in a more efficient court process with the Minnesota Judicial Branch; and

WHEREAS, as the Minnesota Judicial Branch moves towards a more efficient court process, the eCourt MN initiative is committed to ensuring that non-court government agencies have appropriate access to court records and documents; and

WHEREAS, the City of North Mankato by and through the City Attorney desires to subscribe to the Minnesota Court Data Services Program.

NOW, THEREFORE, BE IT RESOLVED that the City of North Mankato City Council approves and authorizes Michael Kennedy, City Attorney, and Christopher Kennedy, Assistant City Attorney, to sign the Master Subscriber Agreement for Minnesota Court Data Services for Governmental Agencies.

Mayor

City Clerk

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #9K	Department: City Planner	Council Meeting Date: 03/21/16																												
TITLE OF ISSUE: Consider Setting Public Hearing at 7 p.m. on April 4, 2016 to consider the 2016-2017 HUD Annual Action Plan.																														
BACKGROUND AND SUPPLEMENTAL INFORMATION: As a HUD Entitlement Community, our 2016-2107 annual formula based Community Development Block Grant (CDBG) allocation is \$67,827. Additionally, we have approximately \$110,000 in unused CDBG funds from the previous five years of being an entitlement community. In the near future, it is necessary to submit to HUD, an annual Action Plan describing the proposed use of new and unused CDBG funds. As part of the process, it is necessary to set and hold a public hearing to present the 2016-2017 Action Plan. The purpose of the Action Plan is to indicate how the City will use its annual allocation of CDBG funds. However, due to staffing priorities, the Action Plan is not included.																														
<p>In summary, staff is proposing to use its 2016-2017 allocation of \$67,827 together with its unused CDBG funds of \$110,000 totaling approximately \$178,000 to make accessibility improvements to the Municipal Building. Specifically, removal of the ramp, redesign of the front entrance and parking lot improvements. The City would request \$5,000 in administration funds. According to HUD, accessibility improvements to public buildings is an eligible use of CDBG funds. Furthermore, in our 2015-2019 Consolidated Plan, the use of CDBG funds for accessibility projects at public buildings was listed as a high priority. Therefore, it is requested that the City Council set a public hearing for Monday, April 4, 2016 at 7:00 p.m. to consider and take public comment on the proposed use of \$173,000 of CDBG funds for accessibility improvements at the Municipal Building and \$5,000 for program administration.</p>																														
<i>If additional space is required, attach a separate sheet</i>																														
REQUESTED COUNCIL ACTION: Set Public Hearing.																														
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) <u>Public Hearing Notice</u> _____ _____ _____ _____		Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NOTICE OF PUBLIC HEARING ON 2016-2017 ANNUAL ACTION PLAN

NOTICE IS HEREBY GIVEN that the City Council of the City of North Mankato, Minnesota, will meet in the Council Chambers of the Municipal Bulding, 1001 Belgrade Avenue, North Mankato, Minnesota at 7 p.m. on the 4th day of April 2016, to hold a public hearing to consider the 2016-2017 Annual Action Plan.

Such persons as desire to be heard with reference to the proposed 2016-2017 Annual Action will be heard at this meeting.

Dated this 21st day of March 2016

April Van Genderen
City Clerk
City of North Mankato

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #11	Department: City Engineer	Council Meeting Date: 3/21/16																												
TITLE OF ISSUE: Public Hearing to Consider Improvement Project No. 15-02 ABCDE 2016 Roe Crest Drive Improvement Project.																														
BACKGROUND AND SUPPLEMENTAL INFORMATION: A Public Hearing was called by City Council on March 7, 2016 to discuss proposed improvements including street and surface improvements, sanitary sewer improvements, watermain improvements and storm sewer improvements and trail improvements on or adjacent to Roe Crest Drive from Marie Lane to Lee Boulevard. The estimated cost of the improvement is \$1,644,900. Residents may voice their concerns about the proposed improvement.																														
<i>If additional space is required, attach a separate sheet</i>																														
REQUESTED COUNCIL ACTION: Public Hearing.																														
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) <u>Notice of Public Hearing,</u> <u>Letter to Residents</u> _____ _____ _____		Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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NOTICE OF HEARING ON IMPROVEMENT

Notice is hereby given that the City Council of the City of North Mankato will meet in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue, at 7:00 p.m. on Monday, March 21, 2016 to consider Project No. 15-02ABCDE 2016 Roe Crest Drive Improvement Project pursuant to Minn. Stat § 429. The area proposed to be assessed for such improvement is the street and surface, sanitary sewer, watermain and storm sewer and trail improvements on or adjacent to Roe Crest Drive from Marie Lane to Lee Boulevard. The estimated cost of the improvement is \$1,644,900. A reasonable estimate of the impact of the assessment will be available at the hearing. Such persons as desire to be heard with reference to the proposed improvement will be heard at this meeting.

Dated this 10th day of March 2016.

/s/ April Van Genderen
April Van Genderen
City Clerk

March 8, 2016

Dear Property Owner:

RE: Project No. 15-02 ABCDE 2016 Roe Crest Drive Improvement Project

On Tuesday, February 16, 2016 a public hearing was held regarding the proposed reconstruction of Roe Crest Drive. Following the public hearing the City Council voted 3-2 to Order the Improvement and Preparation of Plans and Specifications for Improvement Project No. 15-02ABCDE Roe Crest Drive. Minnesota Statue 429.031 requires a super majority or a 4-1 vote to order assessable improvements. As a result, the 3-2 vote cast on February 16th ceased any work on the project. General consensus exists among the City Council, staff and residents that the road should be reconstructed. Issues regarding pedestrian accessibility in the area remain unresolved. Another public hearing has been scheduled for March 21, 2016 so the City Council may again consider this improvement project. Residents are invited to attend the Public Hearing at 7 p.m. on March 21, 2016.

Enclosed please find the official notification for the public hearing to consider Project No. 15-02ABCDE 2016 Roe Crest Drive Improvement Project.

Sincerely,

THE CITY OF NORTH MANKATO

April Van Genderen
City Clerk

Enclosures

March 8, 2016

Dear Property Owner:

RE: Project No. 15-02 ABCDE 2016 Roe Crest Drive Improvement Project

At the City Council meeting of January 19, 2016, the North Mankato City Council accepted a feasibility report and set an improvement hearing for Project No. 15-02 ABCDE 2016 Roe Crest Drive Improvement Project.

A public hearing to receive input on this project has been scheduled for **7 p.m. on Monday, March 21, 2016**. The public hearing will be held in the Council Chambers of the Municipal Building, 1001 Belgrade Avenue. The proposed improvements include street and surface improvements, sanitary sewer improvements, watermain improvements and storm sewer improvements and trail improvements on or adjacent to Roe Crest Drive from Marie Lane to Lee Boulevard. The estimated cost of the improvement is \$1,644,900. A reasonable estimate of the impact of the assessment will be available at the hearing. If you are unable to attend the public hearing, you may submit written comments to the Council by sending them to 1001 Belgrade Avenue, North Mankato, MN 56003 or by email at aprilv@northmankato.com. All letters and emails received by March 17, 2016 will be included in the official packet of materials for the public hearing.

If, after the public hearing on March 21, 2016, the City Council decides to proceed with the project, an assessment hearing will be held on June 20, 2016.

If you are 65 years of age or older or are disabled, you may qualify for a deferral of the proposed assessment. More information on the deferrals and applications are available at the Municipal Building or by mail upon request.

If you have further questions, please contact me.

Sincerely,

THE CITY OF NORTH MANKATO

April Van Genderen
City Clerk

Enclosure

April Van Genderen

From: Diane Benson <dibenson@hickorytech.net>
Sent: Thursday, March 17, 2016 1:29 PM
To: aprilv@northmankato.com
Subject: Project No. 15-02 ABCDE 2016 Roe Crest Drive Improvement Project

To: City Council of the City of North Mankato

RE: Project No. 12-02 ABCDE 2016 Roe Crest Drive Improvement Project

My name is Diane Benson. I have lived at 2053 Roe Crest Drive since 1965.

First, as I have stated at two previous meetings, Roe Crest Drive is in dire need of renovation. Having the informative Neighborhood Meetings and giving your constituents the opportunity to select one of four possible options of improvement was appreciated. The option chosen by the majority of the residents was Option 1 - renovation of the street with no sidewalks. We have survived 50+ years of biking and walking on the street.

Second, the original proposal of a 4 foot boulevard with a 6 foot sidewalk for the 2 block area would be unnecessary. I fail to understand why these figures were presented, as sidewalks on Lee, Loray, Commerce, etc. have approximately a 2 foot boulevards with a 4 foot+ sidewalks. Please do not create an obstacle course going around trees, causing root damage to the trees and eventual damage to the sidewalk. I have a personal concern because of my 2.5 ton rock and shrubs, which would need to be removed or moved at my expense.

Third, as far as school traffic is concerned, gone are the days when most children walk to school. There is a crosswalk with a crossing guard at the corner of Hoover and Lee - this is the chosen route of the children from the apartments on the north side of Lee. The entrance and exit of Hoover School is on Hoover Drive.

Fourth, I trust the city will make provisions for the mail, garbage pickup, parking, service vehicle access, Free Press delivery, etc. for the residents.

I realize the renovation of the street will limit activities for the residents.

Finally, the street renovation is necessary while the sidewalks are not.

Please listen to the people you represent - your constituents. Why do I feel that your decision has already been made without listening to the majority?

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #12A	Department: City Planner	Council Meeting Date: 03/21/16																												
TITLE OF ISSUE: Consider Resolution Vacating Utility Easements between Lots 3 and 4 of Block 3 of Landing North Phase 1.																														
BACKGROUND AND SUPPLEMENTAL INFORMATION: As part of the vacating of utility easements between Lots 3 and 4 of Block 3 of Landing North Phase 1, a public hearing was held earlier in the evening and all local utility companies have been notified of the proposed vacation of the utility easement.																														
<i>If additional space is required, attach a separate sheet</i>																														
REQUESTED COUNCIL ACTION: Adopt Resolution Vacating Utility Easements between Lots 3 and 4 of Block 3 of Landing North Phase 1.																														
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input checked="" type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) _____ _____ _____ _____		Resolution	Ordinance	Contract	Minutes	Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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RESOLUTION NO.

RESOLUTION VACATING UTILITY EASEMENTS
LOTS 3 AND 4, BLOCK 3 OF THE LANDING NORTH PHASE 1

WHEREAS, a petition has been submitted, executed by 100 percent of the abutting property owners, requesting vacation of utility easements all located in Lots 3 and 4, Block 3 of the Landing North Phase 1, Nicollet County, Minnesota and described as follows:

All that part of the 5.0 foot Drainage and Utility Easements dedicated per the recorded plat of THE LANDING NORTH PHASE 1, City of North Mankato, Nicollet County, Minnesota, on each side of the line adjoining the common line between Lots 3 and 4 of Block 3 of said THE LANDING NORTH PHASE 1 being bounded by the following:

On the West by the east line of the 10.0 foot dedicated Drainage & Utility Easement lying along the west line of Block 3 of said THE LANDING NORTH PHASE 1.

On the Southeast by the 10.0 foot dedicated Drainage & Utility Easement lying along Sheridan Court as dedicated in the LANDING NORTH PHASE 1.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF NORTH MANKATO, MINNESOTA, as follows:

1. Such utility easements are vacated.
2. The City Clerk shall prepare a notice of completion of these proceedings pursuant to statute and shall present the same to the County Auditor and County Recorder.

Adopted by the City Council this 21st day of March 2016.

Mayor

City Clerk

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #12B	Department: City Planner	Council Meeting Date: 03/21/16																											
TITLE OF ISSUE: Consider Approving Preliminary and Final Plat of the Landing West.																													
BACKGROUND AND SUPPLEMENTAL INFORMATION: Review attached report.																													
<i>If additional space is required, attach a separate sheet</i>																													
REQUESTED COUNCIL ACTION: Approve Preliminary and Final Plat of the Landing West.																													
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) <u>Report</u> _____ _____ _____ _____	Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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PRELIMINARY & FINAL PLAT OF THE LANDING WEST
A REQUEST FROM BRUCE & CAROL WALTERS

THE CITY OF NORTH MANKATO

SUBJECT: Preliminary and Final Plat of The Landing West

APPLICANT: Bruce & Carol Walters

LOCATION: Lots 3 and 4, Block 3, The Landing North Phase 1

EXISTING ZONING: R-1, One – Family Dwelling

DATE OF HEARING: March 17, 2016

DATE OF REPORT: March 8, 2016

REPORTED BY: Michael Fischer, City Planner

APPLICATION SUBMITTED

Request to replat Lots 3 and 4, Block 3 of The Landing North Phase 1

COMMENT

The applicants recently purchased Lots 3 and 4, Block 3, The Landing North Phase 1. These lots, shown on Exhibit A, are located within the Reserve Subdivision which is located on the north end of Lor Ray Drive. For the purposes of constructing a new single-family home, it is the intent of the applicant's to replat these two lots by combining them together as one lot by eliminating the internal lot line. This request is shown on Exhibit B which is the preliminary plat of The Landing West. As part of the replatting process, Lots 3 and 4, Block 3 of the Landing North Phase 1 become Lot 1, Block 1, The Landing West. As there are utility easements located along the lot line to be removed, the applicant's has begun the process of formally vacating the utility easements. The final plat of The Landing West is shown as Exhibit C.

RECOMMENDATION

Staff recommends approval of the preliminary and final plat of The Landing West.

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Lot 3 and 4, Block 3, The LANDING NORTH PHASE 1, according to the recorded plat thereof, City of South Minnisto, Nicollet County, Minnesota

[illegible]

BUILDING SETBACKS:
FRONT 30 FEET
SIDE 10 FEET
REAR 25 FEET
STREET 30 FEET

BRUCE WALTERS
712 PIERCE CREEK DRIVE
MINNETONKA, MN 55011
(507)-340-6027

Only utility lines and structures observed during the course of the field survey of this site are shown on this map. The surveyor makes no attempt to differentiate between existing structures, either constructed or under construction, and structures that are not yet constructed. Additional easements may exist other than those shown.

BEARING ORIENTATION
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PRELIMINARY FILE
MANGATO, NICOLEY COUNTY, MINNESOTA

Professing Engineers & Surveyors

[illegible]

CITY OF NORTH MANKATO

REQUEST FOR COUNCIL ACTION



Agenda Item: #12C	Department: City Planner	Council Meeting Date: 03/21/16																												
TITLE OF ISSUE: Consider Approving B-1, B-2 and B-3 Setbacks a Request from the City of North Mankato.																														
BACKGROUND AND SUPPLEMENTAL INFORMATION: Review attached report.																														
<i>If additional space is required, attach a separate sheet</i>																														
REQUESTED COUNCIL ACTION: Approve B-1, B-2 and B-3 Setbacks.																														
For Clerk's Use: Motion By: _____ Second By: _____ Vote Record: <table style="margin-left: 40px; border: none;"> <tr> <td style="text-align: center;">Aye</td> <td style="text-align: center;">Nay</td> <td></td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Norland</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Freyberg</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Spears</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Steiner</td> </tr> <tr> <td style="text-align: center;">_____</td> <td style="text-align: center;">_____</td> <td>Dehen</td> </tr> </table>	Aye	Nay		_____	_____	Norland	_____	_____	Freyberg	_____	_____	Spears	_____	_____	Steiner	_____	_____	Dehen	SUPPORTING DOCUMENTS ATTACHED <table style="width: 100%; border: none;"> <tr> <td style="text-align: center;">Resolution</td> <td style="text-align: center;">Ordinance</td> <td style="text-align: center;">Contract</td> <td style="text-align: center;">Minutes</td> <td style="text-align: center;">Map</td> </tr> <tr> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </table> Other (specify) <u>Report</u> _____ _____ _____ _____		Resolution	Ordinance	Contract	Minutes	Map	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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B-1, B-2 and B-3 SETBACKS

A REQUEST FROM THE CITY OF NORTH MANKATO

THE CITY OF NORTH MANKATO

SUBJECT: B-1, B-2 and B-3 Building Setbacks
APPLICANT: City of North Mankato
LOCATION: B-1, B-2 and B-3 Zoning Districts
EXISTING ZONING: NA
DATE OF HEARING: March 17, 2016
DATE OF REPORT: March 8, 2016
REPORTED BY: Michael Fischer, City Planner

APPLICATION SUBMITTED

Request to consider reducing the required front yard setback in the B-1, B-2 and B-3 zoning districts

COMMENT

The current minimum building setbacks within the B-1, B-2 and B-3 zoning districts are as follows:

	Front yard	Side Yard	Rear Yard
B-1	30 feet	10 feet	25 feet
B-2	40 feet	10 feet	25 feet
B-3	40 feet	10 feet	25 feet

Believing that the minimum front yard setbacks may be greater in North Mankato than what is required in other nearby or similar sized cities, attached are results from a survey conducted by staff. Of the cities surveyed, the minimum front yard building setback ranged from 15 feet to 35 feet. However, most cities including North Mankato, have lesser front and rear yard setbacks for parking. While the current front yard setback in Business zoning districts has not been a detriment to business development, it may be excessive compared to other area cities or cities of the same size of North Mankato.

RECOMMENDATION

Based on the survey data from other cities, consider a possible reduction to the minimum front yard building setback in the B-1, B-2 and B-3 zoning districts.

CITY	ZONE	FRONT YARD	SIDE YARD	REAR YARD
<u>North Mankato</u>	B-1	30'	10'	25'
	B-2	40'	10'	25'
	B-3	40'	10'	25'
<u>Mankato</u>	B-1	15'	3' impervious surface; 6' building portion	3' impervious surface; 6' building portion
	B-2	15'	3' impervious surface; 6' building portion	3' impervious surface; 6' building portion
	B-3	15'	3' impervious surface; 6' building portion	3' impervious surface; 6' building portion
<u>New Ulm</u>	B-1	20'	10'	20'
	B-2	20'	10'	10'
	B-3	0'	0'	0'
<u>St. Peter</u>	C-3	20'	15'	25'
	C-4	20'	10'	10'
	C-5	20'	25'	25'
<u>Fairbault</u>	C-1	25'	10'	10'
	C-2	25'	10'	10'
	C-3	25'	10'	10'
	CBD	0'	0'	10'
<u>Owatonna</u>	B-1	30'	15'	20'
	B-2	30'	10'	20'
	B-3	0'	0'	12'
<u>Shakopee</u>	B-1	30'	20'; 75' from residential zones	30'; 75' from residential zones
	B-2	30'	20'; 50' from residential zones	30'; 50' from residential zones
	B-3	0'	0'	0'
<u>Belle Plaine</u>	B-2	35'	20' interior; 35' abutting a residential district	20'; 35' abutting residential district
	B-3	0'	0'	20'
<u>Jordan</u>	C-1	20'	10' Interior Lot; 20' Corner Lot	20'
	C-2	0'	0'	0'
	C-3	20'	15' Interior Lot; 20' Corner Lot	20'
<u>Brainerd</u>	B-1	20'	5' internal lot; 20' corner lot	25'
	B-2	20'	5' internal lot; 20' corner lot	10'
	B-3	0'	0'	0'
	B-4	30'	20' internal lot; 30' corner lot	20'
	B-5	50'	25' internal lot; 50' corner lot	50'