



CITY COUNCIL AGENDA

City of Brainerd, Minnesota
City Hall, 501 Laurel Street, Council Chambers

Monday, July 15, 2024 @ 7:30 PM

The public is invited to attend these meetings in person

Attend by phone: 1-844-992-4726

City Council - Meeting Access Code: 2490 994 2078

Personnel and Finance Committee was held 7/10 at 11:00 AM

Safety and Public Works Committee at 7:00 PM - Meeting Access Code: 2481 039 5459

Meetings are broadcast on CTC ch 8, Charter ch 181, YouTube, AppleTV, Roku, and Amazon FireTV

1. **Call To Order**

2. **Roll Call**

___J. Czezczok ___M. O'Day ___K. Stunek ___K. Terry___T. Stenglein ___G. Johnson ___K.
Bevans ___Mayor Badeaux

3. **Pledge of Allegiance**

4. **Approval Of Agenda - Voice Vote**

5. **Consent Calendar**

NOTICE TO PUBLIC - all matters listed are considered routine by the Council and will all be enacted by one (1) motion. There will be no separate discussion of these items unless good cause is shown prior to the time the Council votes on the motion to be ADOPTED BY ROLL CALL

A. **Approval of Bills**

B. **Approval of Transfers**

Transfer From	Transfer To	Amount	Explanation
Public Safety (225)	Fire Capital (404)	\$42,237	Per FAB Agreements

C. **Approval of Minutes**

D. **Department Activity Reports**

E. **MN Lawful Gambling Application for Exempt Bingo Submitted by Lower South Long Lake Improvement Association for an Event to be held on September 1, 2024, at Jack's House Bowling, 300 S Highway 25**

- F. **Approve Event/Street Closure Application- Brainerd Night Out**
- G. **Approve Event/Street Closure Application - First Lutheran Church Summer Picnic/Night Out**
- H. **Approve Event/Street Closure Application - Onyenstak 2: The Ripening Return (Outdoor Concert)**
- 6. **Conduct Dangerous Dog Hearing**
 - A. **Dangerous Dog Hearing**
- 7. **Council Committee Reports**
 - A. **Safety & Public Works Committee**
 - 1. Approve Final Pay Request - SW 4th Street Outfall Repair
 - 2. Approve Final Pay Request - Imp 21-17 Lum Park SPRA Reconstruction Project
 - 3. Award Proposal for Engineering Services - Lowell Safe Routes to School Project
 - 4. Authorize Advertisement - Imp 24-06 - Laurel Street Bridge Rehabilitation
 - 5. Authorize Advertisement - Police Department Exterior Repairs Project
 - B. **Personnel & Finance Committee**
 - 1. Discuss MN State Delegation Agreement
 - 2. Update on Public Utilities Director Hiring Process
 - 3. Consider Authorization to Pay off BPU Advancement
- 8. **Unfinished Business**
 - A. **Call for Applicants**

Mayor Recommended: (terms to expire on 12/31 of said year)
Charter Commission – 2 terms (Expire 2026) 2 terms (Expire 2025)
Park Board - 1 term (Expire 2026)
Transportation Advisory Committee- 2 terms (Expire 2026)
Mayor Recommended: (terms to expire on 9/7 of said year)
Economic Development Authority- 1 term (Expire 2026)
Council President Recommended: (terms expire on 12/31 of said year)
Parking Commission-- 1 term (Expire 2026) 1 term (Expire 2028)
 - B. **Adopt Resolution Denying Interim Use Permit at 1918 Thiesse Dr**
 - C. **Approve Central Business District Incentive Policy**

- D. **Update regarding IBEW Local No. 31 (Public Utility) Union Strike**
9. **New Business**
- A. **Accept City Flag from the Water Tower Committee**
- B. **Approve the Wellhead Protection Plan for Minnesota Department of Health Review and Conduct Public Hearing**
- C. **Request for Appeal of Nuisance Citation - 1209 Oak St**
- D. **Approve Annual Review of Data Practices Policy**
- E. **First Reading - Proposed Ordinance 1570 - Amending City Code 1200.03 Subd. 6 Temporary Licenses**
- F. **First Reading - Proposed Ordinance 1571 - Prohibiting Camping in the City of Brainerd**
10. **Public Forum**
Time allocated for citizens to bring matters not on the agenda to the attention of the Council -
Time limits may be imposed
11. **Staff Reports**
(Verbal: Any Updates since Packet)
12. **Mayor's Report**
13. **Council Member Reports**
14. **Adjourn**

Visit the City's Website at www.ci.brainerd.mn.us

MISSION

"Provide high quality, cost effective public services and leadership in creating a sustainable city"

07/11/2024 09:29 AM

User: pziemer

DB: Brainerd

INVOICE REGISTER REPORT FOR CITY OF BRAINERD

EXP CHECK RUN DATES 06/01/2024 - 06/30/2024

BOTH JOURNALIZED AND UNJOURNALIZED

BOTH OPEN AND PAID

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Inv Num Inv Ref#	Vendor Description GL Distribution	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
Vendor 2740 - AT&T MOBILITY:							
X06032024/TRNST							
83083	AT&T MOBILITY	05/25/2024	06/11/2024	49.74	0.00	Paid	Y
	ACCT 287292136423 TRANSIT 4/26-5/25 pziemer						06/11/2024
	203-9000-43321 TELEPHONE			49.74			
X06032024/HR							
83084	AT&T MOBILITY	05/25/2024	06/11/2024	49.74	0.00	Paid	Y
	ACCT 287292136423 HR 4/26-5/25 pziemer						06/11/2024
	101-1400-43321 TELEPHONE			49.74			
X06032024/ADMN							
83085	AT&T MOBILITY	05/25/2024	06/11/2024	99.48	0.00	Paid	Y
	ACCT 287292136423 ADMIN 4/26/5/25 pziemer						06/11/2024
	101-1400-43321 TELEPHONE			99.48			
X06032024/CDD							
83086	AT&T MOBILITY	05/25/2024	06/11/2024	149.22	0.00	Paid	Y
	ACCT 287292136423 CDD 4/26-5/25 pziemer						06/11/2024
	101-2400-43321 TELEPHONE			149.22			
X06032024/ENG							
83087	AT&T MOBILITY	05/25/2024	06/11/2024	275.42	0.00	Paid	Y
	ACCT 287292136423 ENG 4/26-5/25 pziemer						06/11/2024
	101-1700-43321 TELEPHONE			275.42			
X06032024/IT							
83088	AT&T MOBILITY	05/25/2024	06/11/2024	175.94	0.00	Paid	Y
	AT&T IT ACCT 287292136423 4/26/24-5/25 pziemer						06/11/2024
	101-1800-43321 TELEPHONE			175.94			
X06032024/PARKS							
83089	AT&T MOBILITY	05/25/2024	06/11/2024	236.37	0.00	Paid	Y
	ACCT 287292136423 PARKS 4/26-5/25 pziemer						06/11/2024
	230-5200-43321 TELEPHONE			212.14			
	230-5204-42210 OPERATING SUPPLIES			24.23			
X06032024/STRTS							
83090	AT&T MOBILITY	05/25/2024	06/11/2024	209.14	0.00	Paid	Y
	ACCT 287292136423 ST/SWR 4/26-5/25 pziemer						06/11/2024
	235-3100-43321 TELEPHONE			209.14			
X06032024/POLICE							
83098	AT&T MOBILITY	05/25/2024	06/11/2024	2,138.43	0.00	Paid	Y
	ACCT 287287520356 POLICE DEPT 4/26-5/25 pziemer						06/11/2024
	225-2120-43309 COMPUTER TECHNICAL SUPPORT			802.83			
	225-2120-43321 TELEPHONE			1,335.60			
X06032024/FD							
83111	AT&T MOBILITY	05/25/2024	06/11/2024	344.07	0.00	Paid	Y
	ACCT 287312856222 FIRE DEPT pziemer						06/11/2024

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution						
	225-2220-43321	TELEPHONE		344.07			
	Total for vendor 2740 - AT&T MOBILITY:			3,727.55	0.00		

Vendor 0307 - CENTERPOINT ENERGY:

92166-0/MAY24/CH

83154	CENTERPOINT ENERGY	05/24/2024	06/11/2024	234.83	0.00	Paid	Y
	4/16/24-5/15/24 CITY HALL UTILITIES	pziemer					06/11/2024
	101-1940-43380	UTILITIES		234.83			

92166-0/MAY24/STRTS

83155	CENTERPOINT ENERGY	05/24/2024	06/11/2024	199.10	0.00	Paid	Y
	4/16/24-5/15/24 STREETS GARAGE	pziemer					06/11/2024
	235-3100-43380	UTILITIES		199.10			

92166-0/MAY24/PARKS

83156	CENTERPOINT ENERGY	05/24/2024	06/11/2024	195.51	0.00	Paid	Y
	4/16/24-5/15/24 PARKS GARAGE UTILITIES	pziemer					06/11/2024
	230-5200-43380	UTILITIES		195.51			

92166-0/MAY24/FD

83157	CENTERPOINT ENERGY	05/24/2024	06/11/2024	180.89	0.00	Paid	Y
	4/16/24-5/15/24 FIRE DEPT UTILITIES	pziemer					06/11/2024
	225-2220-43380	UTILITIES		91.57			
	225-2220-43380	UTILITIES		89.32			

92166-0/MAY24/PD

83158	CENTERPOINT ENERGY	05/24/2024	06/11/2024	30.40	0.00	Paid	Y
	4/16/24-5/15/24 POLICE DEPT UTILITIES	pziemer					06/11/2024
	225-2120-43380	UTILITIES		30.40			

92166-0/MAY24/ANNEX

83159	CENTERPOINT ENERGY	05/24/2024	06/11/2024	120.28	0.00	Paid	Y
	4/16/24-5/15/24 ANNEX UTILITIES	pziemer					06/11/2024
	101-1940-43380	UTILITIES		120.28			

92166-0/MAY24/LIB

83160	CENTERPOINT ENERGY	05/24/2024	06/11/2024	553.59	0.00	Paid	Y
	4/16/24-5/15/24 LIBRARY UTILITIES	pziemer					06/11/2024
	211-5500-43380	UTILITIES		553.59			
	Total for vendor 0307 - CENTERPOINT ENERGY:			1,514.60	0.00		

Vendor 1343 - CHARTER COMMUNICATIONS:

175587701052124

83099	CHARTER COMMUNICATIONS	05/21/2024	06/11/2024	46.85	0.00	Paid	Y
	BUSINESS TV 5/30/24-6/29/24	pziemer					06/11/2024
	225-2120-43380	UTILITIES		46.85			

Inv Num	Vendor	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnlized
Inv Ref#	Description	Entered By					Post Date
	GL Distribution						
0280094061224							
83302	CHARTER COMMUNICATIONS	06/12/2024	06/25/2024	123.93	0.00	Paid	Y
	REDUNDANT INTERNET 6/12-7/11/24	pziemer					06/25/2024
	101-1800-43321	TELEPHONE		123.93			
	Total for vendor 1343 - CHARTER COMMUNICATIONS:			170.78	0.00		

Vendor 1712 - WSB & ASSOCIATES:

R-022575-000-15							
83306	WSB & ASSOCIATES	06/19/2024	06/25/2024	4,172.25	0.00	Paid	Y
	21:16 MSP RIVERBANK RESTORATION	pziemer					06/25/2024
	401-9030-43300-21:16	PROFESSIONAL SERVICES		4,172.25			
	Total for vendor 1712 - WSB & ASSOCIATES:			4,172.25	0.00		

# of Invoices:	20	# Due:	0	Totals:	9,585.18	0.00
# of Credit Memos:	0	# Due:	0	Totals:	0.00	0.00
Net of Invoices and Credit Memos:					9,585.18	0.00

--- TOTALS BY GL DISTRIBUTION ---

101-1400-43321	TELEPHONE	149.22
101-1700-43321	TELEPHONE	275.42
101-1800-43321	TELEPHONE	299.87
101-1940-43380	UTILITIES	355.11
101-2400-43321	TELEPHONE	149.22
203-9000-43321	TELEPHONE	49.74
211-5500-43380	UTILITIES	553.59
225-2120-43309	COMPUTER TECHNICAL SUPPORT	802.83
225-2120-43321	TELEPHONE	1,335.60
225-2120-43380	UTILITIES	77.25
225-2220-43321	TELEPHONE	344.07
225-2220-43380	UTILITIES	180.89
230-5200-43321	TELEPHONE	212.14
230-5200-43380	UTILITIES	195.51
230-5204-42210	OPERATING SUPPLIES	24.23
235-3100-43321	TELEPHONE	209.14
235-3100-43380	UTILITIES	199.10
401-9030-43300-21:16	PROFESSIONAL SERVICES	4,172.25

Inv Num	Vendor	Inv Date	Due Date	Inv Amt	Amt Due	Status	Jrnalized
Inv Ref#	Description	Entered By					Post Date
GL Distribution							
--- TOTALS BY FUND ---							
	101 - GENERAL FUND			1,228.84	0.00		
	203 - TRANSIT FUND			49.74	0.00		
	211 - LIBRARY FUND			553.59	0.00		
	225 - PUBLIC SAFETY FUND			2,740.64	0.00		
	230 - PARK & RECREATION FUND			431.88	0.00		
	235 - STREET & SEWER FUND			408.24	0.00		
	401 - CONSTRUCTION FUND			4,172.25	0.00		
--- TOTALS BY DEPT/ACTIVITY ---							
	1400 - ADMINISTRATION			149.22	0.00		
	1700 - ENGINEERING			275.42	0.00		
	1800 - IT/GIS			299.87	0.00		
	1940 - CITY HALL			355.11	0.00		
	2120 - POLICE DEPARTMENT			2,215.68	0.00		
	2220 - FIRE DEPARTMENT			524.96	0.00		
	2400 - COMMUNITY DEVL/INSPECTION			149.22	0.00		
	3100 - S & S MAINTENANCE			408.24	0.00		
	5200 - PARK MAIN/ADMINISTRATION			407.65	0.00		
	5204 - CONCESSIONS			24.23	0.00		
	5500 - LIBRARY-BUDGETED			553.59	0.00		
	9000 - TRANSIT FUND			49.74	0.00		
	9030 - CONSTRUCTION PROJ-MISC			4,172.25	0.00		

Inv Num Inv Ref# GL Distribution	Vendor Description GRANT	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
Vendor 3572 - AAA EQUIPMENT CENTER:							
113675 83455	AAA EQUIPMENT CENTER MOWER BELTS	06/11/2024 pziemer	07/17/2024	365.09	365.09	Open	N 07/17/2024
230-5200-42220	REPAIR & MAINT			365.09			
Total for vendor 3572 - AAA EQUIPMENT CENTER:				365.09	365.09		
Vendor 4080 - ABRA - BRAINERD:							
11368 83587	ABRA - BRAINERD SQD 430 BODY REPAIR - LESS SALES TAX	07/01/2024 pziemer	07/17/2024	1,729.00	1,729.00	Open	N 07/17/2024
225-2120-42210	OPERATING SUPPLIES			1,729.00			
Total for vendor 4080 - ABRA - BRAINERD:				1,729.00	1,729.00		
Vendor 0011 - ACE HARDWARE:							
325204/1 83450	ACE HARDWARE SPRAY PAINT FOR MOWER REPAIR	06/27/2024 pziemer	07/17/2024	7.19	7.19	Open	N 07/17/2024
235-3100-42220	REPAIR & MAINT			7.19			
325192/1 83454	ACE HARDWARE MARKERS	06/27/2024 pziemer	07/17/2024	7.18	7.18	Open	N 07/17/2024
401-9030-43430	MISCELLANEOUS			7.18			
325219/1 83459	ACE HARDWARE KWP MERRY GO ROUND VANDALISM REPAIRS	06/28/2024 pziemer	07/17/2024	64.68	64.68	Open	N 07/17/2024
230-5200-42220	REPAIR & MAINT			64.68			
325277/1 83554	ACE HARDWARE DISH SOAP FORM RELEASE	07/01/2024 pziemer	07/17/2024	17.96	17.96	Open	N 07/17/2024
235-3170-42210	OPERATING SUPPLIES			17.96			
325312/1 83559	ACE HARDWARE KEYS, PAINT	07/02/2024 pziemer	07/17/2024	98.17	98.17	Open	N 07/17/2024
230-5200-42220	REPAIR & MAINT			98.17			
325362/1 83588	ACE HARDWARE BUG SPRAY	07/03/2024 pziemer	07/17/2024	27.45	27.45	Open	N 07/17/2024
225-2120-42209	SAFETY EQUIPMENT SUPPLIES			27.45			
325364/1 83589	ACE HARDWARE PARK KEYS	07/03/2024 pziemer	07/17/2024	15.69	15.69	Open	N 07/17/2024
225-2120-42210	OPERATING SUPPLIES			15.69			

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Inv Num Inv Ref#	Vendor Description	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
	GL Distribution GRANT						
325367/1							
83590	ACE HARDWARE	07/03/2024	07/17/2024	5.39	5.39	Open	N
	BOOT POLISH	pziemer					07/17/2024
	225-2120-41113 UNIFORM ALLOWANCE			5.39			
325470/1							
83613	ACE HARDWARE	07/09/2024	07/17/2024	28.76	28.76	Open	N
	SPRAY FOAM	pziemer					07/17/2024
	237-3190-42220 REPAIR & MAINT			28.76			
	Total for vendor 0011 - ACE HARDWARE:			272.47	272.47		
Vendor 2846 - AMERICAN WELDING-GAS INC:							
0010219951							
83560	AMERICAN WELDING-GAS INC	06/30/2024	07/17/2024	82.70	82.70	Open	N
	WELDING CYLINDER RENTAL	pziemer					07/17/2024
	235-3100-43410 RENTAL EXPENSE			82.70			
	Total for vendor 2846 - AMERICAN WELDING-GAS INC:			82.70	82.70		
Vendor 3343 - ARROW MANAGEMENT:							
33263							
83685	ARROW MANAGEMENT	07/11/2024	07/17/2024	2,535.00	2,535.00	Open	N
	ABATEMENTS X3: 3014 OAK, 408 2ND, 315	pziemer					07/17/2024
	101-2400-43405 NUISANCES			100.00			
	101-2400-43405 NUISANCES			1,325.00			
	101-2400-43405 NUISANCES			1,110.00			
	Total for vendor 3343 - ARROW MANAGEMENT:			2,535.00	2,535.00		
Vendor 2838 - AXON ENTERPRISE, INC.:							
INUS261962							
83591	AXON ENTERPRISE, INC.	07/02/2024	07/17/2024	261.60	261.60	Open	N
	TASER BATTERY	pziemer					07/17/2024
	225-2120-42210 OPERATING SUPPLIES			261.60			
INUS263009							
83672	AXON ENTERPRISE, INC.	07/05/2024	07/17/2024	125.25	125.25	Open	N
	TRT BWC MOUNTS X3	pziemer					07/17/2024
	225-2131-42210 OPERATING SUPPLIES			125.25			
	Total for vendor 2838 - AXON ENTERPRISE, INC.:			386.85	386.85		
Vendor 3120 - BOLTON & MENK:							
0339414							
83601	BOLTON & MENK	06/28/2024	07/17/2024	4,177.50	4,177.50	Open	N
	24:06 LAUREL ST BRIDGE REHAB	pziemer					07/17/2024
	401-9030-43300-24:06 PROFESSIONAL SERVICES			4,177.50			
	Total for vendor 3120 - BOLTON & MENK:			4,177.50	4,177.50		

Inv Num Inv Ref# GL Distribution	Vendor Description GRANT	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnalized Post Date
Vendor MISC - BOOKU LLC:							
BFG23-0012 83539	BOOKU LLC BD Bond Refund	07/02/2024 pziemer	07/17/2024	500.00	500.00	Open	N 07/17/2024
101-0000-20600	BFG23-0012			500.00			
BFG24-0001 83540	BOOKU LLC BD Bond Refund	07/02/2024 pziemer	07/17/2024	4,400.00	4,400.00	Open	N 07/17/2024
101-0000-20600	BFG24-0001 - P23-0480			4,400.00			
	Total for vendor MISC - BOOKU LLC:			4,900.00	4,900.00		
Vendor 0074 - BRAINERD GENERAL RENTAL:							
174623 83656	BRAINERD GENERAL RENTAL FLOOR SCRUBBER RENTAL - PARKS	07/10/2024 pziemer	07/17/2024	112.00	112.00	Open	N 07/17/2024
230-5200-42220	REPAIR & MAINT			112.00			
	Total for vendor 0074 - BRAINERD GENERAL RENTAL:			112.00	112.00		
Vendor 0079 - BRAINERD LICENSE OFFICE:							
SQD 401 - 2024 83681	BRAINERD LICENSE OFFICE SQUAD 401 - 2024 RENEWAL	07/10/2024 pziemer	07/17/2024	16.25	16.25	Open	N 07/17/2024
225-2120-42221	SQUAD CAR REPAIR SUPPLIES			16.25			
SQD 402 - 2024 83682	BRAINERD LICENSE OFFICE SQUAD 402 - 2024 TAB RENEWAL	07/10/2024 pziemer	07/17/2024	16.25	16.25	Open	N 07/17/2024
225-2120-42221	SQUAD CAR REPAIR SUPPLIES			16.25			
SQD 406 - 2024 83683	BRAINERD LICENSE OFFICE SQUAD 406 - 2024 TAB RENEWAL	07/10/2024 pziemer	07/17/2024	16.25	16.25	Open	N 07/17/2024
225-2120-42221	SQUAD CAR REPAIR SUPPLIES			16.25			
	Total for vendor 0079 - BRAINERD LICENSE OFFICE:			48.75	48.75		
Vendor 0296 - BRAINERD PUBLIC UTILITIES:							
7/11/24 83671	BRAINERD PUBLIC UTILITIES REMITTANCE OF LOST THRU 7/11/24	07/11/2024 pziemer	07/17/2024	122,087.03	122,087.03	Open	N 07/17/2024
251-9360-43467	REMIT LOCAL SALES TAX COLLECT			122,087.03			
	Total for vendor 0296 - BRAINERD PUBLIC UTILITIES:			122,087.03	122,087.03		
Vendor 3541 - BRAINERD ROTARY:							

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	GL Distribution GRANT						
12466 83553	BRAINERD ROTARY	07/01/2024	07/17/2024	198.00	198.00	Open	N
	3RD QTR 2024 DUES N.BROYLES	pziemer					07/17/2024
101-1400-43433	DUES & SUBSCRIPTIONS			198.00			
	Total for vendor 3541 - BRAINERD ROTARY:			198.00	198.00		
Vendor 4209 - CALLTOWER:							
202028027 83647	CALLTOWER	07/01/2024	07/17/2024	348.86	348.86	Open	N
	CALLTOWER 7/1/24-7/31/24	pziemer					07/17/2024
101-1800-43321	TELEPHONE			348.86			
	Total for vendor 4209 - CALLTOWER:			348.86	348.86		
Vendor 0102 - CANON FINANCIAL SERVICE:							
33236362 83555	CANON FINANCIAL SERVICE	06/23/2024	07/17/2024	77.97	77.97	Open	N
	7/1/24-7/31/24 LIBRARY COPIER CONTRA	pziemer					07/17/2024
211-5505-43430	MISC - COPY MACHINE PYMTS			77.97			
33236302 83556	CANON FINANCIAL SERVICE	06/22/2024	07/17/2024	19.73	19.73	Open	N
	7/1/24 - 7/31/24 LIBRARY COPIER FAX	pziemer					07/17/2024
211-5505-43430	MISC - COPY MACHINE PYMTS			19.73			
	Total for vendor 0102 - CANON FINANCIAL SERVICE:			97.70	97.70		
Vendor 0447 - CDW GOVERNMENT, INC:							
RZ19218 83602	CDW GOVERNMENT, INC	06/24/2024	07/17/2024	289.40	289.40	Open	N
	QTY 2 MONITOR - TRANSIT	pziemer					07/17/2024
203-9000-42200	OFFICE SUPPLIES			289.40			
RZ31631 83603	CDW GOVERNMENT, INC	06/25/2024	07/17/2024	192.69	192.69	Open	N
	DATA CARD COLOR RIBBON	pziemer					07/17/2024
101-1940-42200	OFFICE SUPPLIES			192.69			
	Total for vendor 0447 - CDW GOVERNMENT, INC:			482.09	482.09		
Vendor 0307 - CENTERPOINT ENERGY:							
92166-0/JUN24/CITY 83566	CENTERPOINT ENERGY	06/25/2024	07/17/2024	200.43	200.43	Open	N
	5/16/24-6/17/24 CITY UTILITIES	pziemer					07/17/2024
101-1940-43380	UTILITIES			166.14			
101-1940-43380	UTILITIES			34.29			

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	GL Distribution GRANT						
92166-0/JUN24/STRTS							
83567	CENTERPOINT ENERGY	06/25/2024	07/17/2024	52.96	52.96	Open	N
	5/16/24-6/17/24 STREET DEPT UTILITIES	pziemer					07/17/2024
235-3100-43380	UTILITIES			52.96			
92166-0/JUN24/PARKS							
83568	CENTERPOINT ENERGY	06/25/2024	07/17/2024	52.96	52.96	Open	N
	5/16/24-6/17/24 PARKS UTILITIES	pziemer					07/17/2024
230-5200-43380	UTILITIES			52.96			
92166-0/JUN24/FD							
83569	CENTERPOINT ENERGY	06/25/2024	07/17/2024	77.93	77.93	Open	N
	5/16/24-6/17/24 FIRE DEPT UTILITIES	pziemer					07/17/2024
225-2220-43380	UTILITIES			34.29			
225-2220-43380	UTILITIES			43.64			
92166-0/JUN24/PD							
83570	CENTERPOINT ENERGY	06/25/2024	07/17/2024	29.64	29.64	Open	N
	5/16/24-6/17/24 POLICE DEPT UTILITIES	pziemer					07/17/2024
225-2120-43380	UTILITIES			29.64			
92166-0/JUN24/LIB							
83571	CENTERPOINT ENERGY	06/25/2024	07/17/2024	122.52	122.52	Open	N
	5/16/24-6/17/24 LIBRARY UTILITIES	pziemer					07/17/2024
211-5500-43380	UTILITIES			122.52			
Total for vendor 0307 - CENTERPOINT ENERGY:				536.44	536.44		

Vendor 4301 - CENTRAL LAKES FERTILIZING:

161							
83690	CENTRAL LAKES FERTILIZING	07/11/2024	07/17/2024	5,835.00	5,835.00	Open	N
	FERTILIZER/WEED SPRAY: BHPX2; BANEX2;	pziemer					07/17/2024
400-9050-45530	CAPITAL - OTHER			5,835.00			
Total for vendor 4301 - CENTRAL LAKES FERTILIZING:				5,835.00	5,835.00		

Vendor 3045 - CENTRAL MN ADULT & TEEN CHALLENGE:

B22-0007							
83535	CENTRAL MN ADULT & TEEN CHALLENGE	07/02/2024	07/17/2024	500.00	500.00	Open	N
	BD Bond Refund	pziemer					07/17/2024
101-0000-20701	B22-0007			500.00			
B23-0004							
83577	CENTRAL MN ADULT & TEEN CHALLENGE	07/03/2024	07/17/2024	500.00	500.00	Open	N
	BD BOND REFUND	pziemer					07/17/2024
101-0000-20701	B23-0004			500.00			
Total for vendor 3045 - CENTRAL MN ADULT & TEEN CHALLENGE:				1,000.00	1,000.00		

Vendor 0119 - CLAREY'S SAFETY EQUIPMENT:

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	GL Distribution GRANT						
211813							
83369	CLAREY'S SAFETY EQUIPMENT	06/12/2024	07/17/2024	614.82	614.82	Open	N
	MILWAUKEE BATTERY	pziemer					07/17/2024
225-2220-42210	OPERATING SUPPLIES			614.82			
212191							
83689	CLAREY'S SAFETY EQUIPMENT	07/09/2024	07/17/2024	2,112.13	2,112.13	Open	N
	CALIBRATION GAS, SENSIT PUMP	pziemer					07/17/2024
225-2220-42210	OPERATING SUPPLIES			2,112.13			
	Total for vendor 0119 - CLAREY'S SAFETY EQUIPMENT:			2,726.95	2,726.95		
Vendor 0229 - CLIFTONLARSONALLEN LLP:							
L241446256							
83679	CLIFTONLARSONALLEN LLP	07/01/2024	07/17/2024	6,562.50	6,562.50	Open	N
	2023 AUDIT - GASB 96 SBITAS	pziemer					07/17/2024
101-9200-43300	PROFESSIONAL SERVICES			6,562.50			
L241446824							
83680	CLIFTONLARSONALLEN LLP	07/02/2024	07/17/2024	18,725.00	18,725.00	Open	N
	2023 AUDIT SERVICES - 3RD INSTALLMENT	pziemer					07/17/2024
101-9200-43300	PROFESSIONAL SERVICES			1,011.70			
260-9020-43300	PROFESSIONAL SERVICES			17,713.30			
	Total for vendor 0229 - CLIFTONLARSONALLEN LLP:			25,287.50	25,287.50		
Vendor 4303 - CLIMATE MAKERS:							
12332							
83620	CLIMATE MAKERS	06/19/2024	07/17/2024	14,900.00	14,900.00	Open	N
	LIBRARY AC REPLACEMENT - FINAL	pziemer					07/17/2024
211-5500-45500	CAPITAL OUTLAY			14,900.00			
	Total for vendor 4303 - CLIMATE MAKERS:			14,900.00	14,900.00		
Vendor 4269 - COLUMN SOFTWARE:							
425BB603-0041							
83550	COLUMN SOFTWARE	06/18/2024	07/17/2024	740.53	740.53	Open	N
	NOH: ORD 1568 CANNABIS	pziemer					07/17/2024
101-9200-43350	LEGAL PUBLICATIONS			740.53			
425BB603-0042							
83551	COLUMN SOFTWARE	06/20/2024	07/17/2024	179.98	179.98	Open	N
	NOH: ORD 1567 - CANNABIS ZONING	pziemer					07/17/2024
101-9200-43350	LEGAL PUBLICATIONS			179.98			
425BB603-0040							
83552	COLUMN SOFTWARE	06/18/2024	07/17/2024	697.99	697.99	Open	N
	NOH: ORD 1566 - AMEND TREE ORD	pziemer					07/17/2024
101-9200-43350	LEGAL PUBLICATIONS			697.99			

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	GL Distribution GRANT						
425BB603-0043							
83660	COLUMN SOFTWARE	06/25/2024	07/17/2024	74.66	74.66	Open	N
	NOH: TCC EXPAND DAYCARE 6-25-24	pziemer					07/17/2024
101-2400-43350	PRINTING/LEGAL PUBLICATION			74.66			
425BB603-0044							
83661	COLUMN SOFTWARE	06/27/2024	07/17/2024	36.97	36.97	Open	N
	NOH: WELLHEAD PROTECTION PLAN 7-15-24	pziemer					07/17/2024
101-0000-14100	DUE FROM COMPONENT UNIT			36.97			
425BB603-0045							
83662	COLUMN SOFTWARE	06/28/2024	07/17/2024	118.05	118.05	Open	N
	2023 SUMMARY FINANCIAL REPORT	pziemer					07/17/2024
101-9200-43350	LEGAL PUBLICATIONS			118.05			
425BB603-0046							
83663	COLUMN SOFTWARE	07/01/2024	07/17/2024	51.15	51.15	Open	N
	NOH: IUP 1123 15TH AVE SHORT TERM REP	pziemer					07/17/2024
101-2400-43350	PRINTING/LEGAL PUBLICATION			51.15			
	Total for vendor 4269 - COLUMN SOFTWARE:			1,899.33	1,899.33		

Vendor 0122 - COMMUNITY ACTION:

JUL 2024							
83623	COMMUNITY ACTION	07/03/2024	07/17/2024	8,054.38	8,054.38	Open	N
	JUL 24 LEVY PAYMENT	pziemer					07/17/2024
101-9200-43460	REMIT COMMUNITY ACTION LEVY			8,054.38			
	Total for vendor 0122 - COMMUNITY ACTION:			8,054.38	8,054.38		

Vendor 0900 - CUB FOODS - BRAINERD:

TRX 058759 - PD							
83592	CUB FOODS - BRAINERD	07/03/2024	07/17/2024	21.00	21.00	Open	N
	PARADE SUPPLIES	pziemer					07/17/2024
225-2120-42209	SAFETY EQUIPMENT SUPPLIES			21.00			
TRX 054212 - FD							
83640	CUB FOODS - BRAINERD	07/03/2024	07/17/2024	29.98	29.98	Open	N
	QTY 2 FLOWERS	pziemer					07/17/2024
225-2220-42210	OPERATING SUPPLIES			29.98			
	Total for vendor 0900 - CUB FOODS - BRAINERD:			50.98	50.98		

Vendor 0133 - CWC RECORDER:

24-5280							
83652	CWC RECORDER	06/24/2024	07/17/2024	86.00	86.00	Open	N
	WARRANTY DEED FOR SNOEOS DOC#277315	pziemer					07/17/2024
101-1700-43430	MISCELLANEOUS			86.00			
	Total for vendor 0133 - CWC RECORDER:			86.00	86.00		

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GL Distribution GRANT							
Vendor 0135 - CWC TREASURER:							
7172/CH							
83573	CWC TREASURER	07/01/2024	07/17/2024	7,975.00	7,975.00	Open	N
	JUL 24 SHARED SERVICES - CITY HALL	pziemer					07/17/2024
101-9200-43300	PROFESSIONAL SERVICES			7,975.00			
7172/LIB							
83574	CWC TREASURER	07/01/2024	07/17/2024	675.00	675.00	Open	N
	JUL 24 SHARED SERVICES - LIBRARY	pziemer					07/17/2024
211-5500-43300	PROFESSIONAL SERVICES			675.00			
Total for vendor 0135 - CWC TREASURER:				8,650.00	8,650.00		

Vendor 3438 - DAHLHEIMER BEVERAGE:

2209889							
83452	DAHLHEIMER BEVERAGE	06/14/2024	07/17/2024	132.80	132.80	Open	N
	CONCESSIONS - POPCORN, TOWELS - JANITORIAL	pziemer					07/17/2024
230-5204-42210	OPERATING SUPPLIES			89.30			
230-5200-42220	REPAIR & MAINT			43.50			
2202715							
83453	DAHLHEIMER BEVERAGE	06/07/2024	07/17/2024	467.90	467.90	Open	N
	SOAP, TP, JANITORIAL SUPPLIES	pziemer					07/17/2024
230-5200-42220	REPAIR & MAINT			467.90			
2222544							
83557	DAHLHEIMER BEVERAGE	06/28/2024	07/17/2024	227.40	227.40	Open	N
	PARKS RESTROOM TP	pziemer					07/17/2024
230-5200-42220	REPAIR & MAINT			227.40			
2218984							
83558	DAHLHEIMER BEVERAGE	06/28/2024	07/17/2024	73.10	73.10	Open	N
	CONCESSIONS - POPCORN, SANI RINSE	pziemer					07/17/2024
230-5204-42210	OPERATING SUPPLIES			73.10			
2213191							
83644	DAHLHEIMER BEVERAGE	06/21/2024	07/17/2024	71.70	71.70	Open	N
	PAPER TOWELS/TP - LIBRARY	pziemer					07/17/2024
211-5500-42220	REPAIR & MAINT			71.70			
Total for vendor 3438 - DAHLHEIMER BEVERAGE:				972.90	972.90		

Vendor 2804 - DH ATHLETICS LLC:

MB1043							
83595	DH ATHLETICS LLC	06/01/2024	07/17/2024	8,341.00	8,341.00	Open	N
	PORTABLE BASKETBALL HOOPS QTY 2	pziemer					07/17/2024
400-9050-45530	CAPITAL - OTHER			8,341.00			
Total for vendor 2804 - DH ATHLETICS LLC:				8,341.00	8,341.00		

Vendor 2898 - DIGITAL HORIZONS:

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	GL Distribution GRANT						
3327							
83639	DIGITAL HORIZONS	07/02/2024	07/17/2024	2,576.82	2,576.82	Open	N
	SPEAKER/AMPLIFIER REPLACEMENT	pziemer					07/17/2024
225-2220-42221	R&M BUILDING			2,576.82			
	Total for vendor 2898 - DIGITAL HORIZONS:			2,576.82	2,576.82		
Vendor 2527 - DIGITAL INK DESIGN & GRAPHICS:							
35556							
83617	DIGITAL INK DESIGN & GRAPHICS	06/14/2024	07/17/2024	119.40	119.40	Open	N
	DECALS FOR 2024 VEHICLES BUILDOUT	pziemer					07/17/2024
400-9050-45530	CAPITAL - OTHER			119.40			
	Total for vendor 2527 - DIGITAL INK DESIGN & GRAPHICS:			119.40	119.40		
Vendor 1856 - EMERGENCY AUTOMOTIVE TECHNOLOGIES, :							
DL052924-22							
83449	EMERGENCY AUTOMOTIVE TECHNOLOGIES,	06/20/2024	07/17/2024	572.78	572.78	Open	N
	BUMPER FOR NEW 2024 CHEVY SILVERADO	pziemer					07/17/2024
404-9055-45550	CAPITAL - VEHICLES			572.78			
	Total for vendor 1856 - EMERGENCY AUTOMOTIVE TECHNOLOGIES, :			572.78	572.78		
Vendor 1859 - ENTERPRISE FM TRUST:							
FBN5072904/PROCEEDS							
83605	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	(19,208.62)	(19,208.62)	Open	N
	GAIN ON SETTLED UNIT 232B34 2019 FOF	pziemer					07/17/2024
235-0000-39101	SALE OF ASSETS			(19,208.62)			
FBN5072904/ENG							
83606	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	4,147.83	4,147.83	Open	N
	JUL 24 ENG VEHICLE LEASES	pziemer					07/17/2024
101-1700-43331	LEASE PAYMENTS			4,147.83			
FBN5072904/FD							
83607	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	684.46	684.46	Open	N
	JUL 24 FIRE DEPT VEHICLE LEASES	pziemer					07/17/2024
225-2220-43331	LEASED PAYMENTS			684.46			
FBN5072904/PARKS							
83608	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	4,403.80	4,403.80	Open	N
	JUL 24 PARKS VEHICLE LEASES	pziemer					07/17/2024
230-5200-43331	LEASE PAYMENTS			4,403.80			
FBN5072904/PD							
83609	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	11,651.05	11,651.05	Open	N
	JUL 24 POLICE DEPT VEHICLE LEASES	pziemer					07/17/2024
225-2120-43331	LEASED PAYMENTS			11,651.05			

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GL Distribution	GRANT						
FBN5072904/STRTS							
83610	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	20,608.73	20,608.73	Open	N
	JUL 24 STREET DEPT VEHICLE LEASES	pziemer					07/17/2024
235-3100-43331	LEASE PAYMENTS			17,721.60			
237-3190-43331	LEASE PAYMENTS			2,887.13			
FBN5072904/CDD							
83650	ENTERPRISE FM TRUST	07/03/2024	07/17/2024	2,820.70	2,820.70	Open	N
	JUL 24 COM DEV VEHICLE LEASES	pziemer					07/17/2024
101-2400-43331	LEASE EXPENSE			2,820.70			
Total for vendor 1859 - ENTERPRISE FM TRUST:				25,107.95	25,107.95		
Vendor 3402 - FLEETPRIDE:							
117991928							
83448	FLEETPRIDE	07/01/2024	07/17/2024	6.34	6.34	Open	N
	TRUCK 106 MARKER LIGHT	pziemer					07/17/2024
235-3100-42220	REPAIR & MAINT			6.34			
Total for vendor 3402 - FLEETPRIDE:				6.34	6.34		
Vendor 0071 - FORUM COMMUNICATIONS COMPANY:							
MP3161230624							
83616	FORUM COMMUNICATIONS COMPANY	06/30/2024	07/17/2024	1,204.50	1,204.50	Open	N
	JUNE 2024 PARKS EMPLOYMENT POSTINGS	pziemer					07/17/2024
230-5200-43350	PRINTING/LEGAL PUBLICATION			600.00			
101-1700-43350	PRINTING/LEGAL PUBLICATION			604.50			
Total for vendor 0071 - FORUM COMMUNICATIONS COMPANY:				1,204.50	1,204.50		
Vendor 0186 - GALLS LLC:							
028184281							
83563	GALLS LLC	06/10/2024	07/17/2024	115.56	115.56	Open	N
	722 UNIFORM FLASHLIGHT	pziemer					07/17/2024
225-2120-41113	UNIFORM ALLOWANCE			115.56			
028269520							
83593	GALLS LLC	06/17/2024	07/17/2024	(119.99)	(119.99)	Open	N
	723 BOOTS RETURN - CREDIT	pziemer					07/17/2024
225-2120-41113	UNIFORM ALLOWANCE			(119.99)			
Total for vendor 0186 - GALLS LLC:				(4.43)	(4.43)		
Vendor 3646 - GAUTHIER, CRYSTAL:							
7/4/24							
83585	GAUTHIER, CRYSTAL	07/04/2024	07/17/2024	86.26	86.26	Open	N
	CANDY FOR PARADE	pziemer					07/17/2024
203-9000-43340	ADVERTISING/MARKETING			86.26			
Total for vendor 3646 - GAUTHIER, CRYSTAL:				86.26	86.26		

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Vendor 0200 - HEARTLAND ANIMAL RESCUE:							
JUNE 2024							
83576	HEARTLAND ANIMAL RESCUE JUN 24 ADM/BOARDING	06/30/2024 pziemer	07/17/2024	3,177.33	3,177.33	Open	N 07/17/2024
225-2700-43430	MISCELLANEOUS			1,258.00			
225-2700-43300	PROFESSIONAL SERVICES			1,919.33			
Total for vendor 0200 - HEARTLAND ANIMAL RESCUE:				3,177.33	3,177.33		
Vendor 3202 - INNOVATIVE OFFICE SOLUTIONS LLC:							
SO-4457592							
83651	INNOVATIVE OFFICE SOLUTIONS LLC TONER - FD	06/25/2024 pziemer	07/17/2024	365.99	365.99	Open	N 07/17/2024
225-2220-42200	OFFICE SUPPLIES			365.99			
Total for vendor 3202 - INNOVATIVE OFFICE SOLUTIONS LLC:				365.99	365.99		
Vendor 0207 - ISD #181 BRAINERD PUBLIC SCHOOLS:							
B20-0002							
83532	ISD #181 BRAINERD PUBLIC SCHOOLS BD Bond Refund	07/02/2024 pziemer	07/17/2024	500.00	500.00	Open	N 07/17/2024
101-0000-20701	B20-0002			500.00			
B21-0002							
83533	ISD #181 BRAINERD PUBLIC SCHOOLS BD Bond Refund	07/02/2024 pziemer	07/17/2024	500.00	500.00	Open	N 07/17/2024
101-0000-20701	B21-0002			500.00			
B21-0003							
83534	ISD #181 BRAINERD PUBLIC SCHOOLS BD Bond Refund	07/02/2024 pziemer	07/17/2024	500.00	500.00	Open	N 07/17/2024
101-0000-20701	B21-0003			500.00			
B22-0009							
83536	ISD #181 BRAINERD PUBLIC SCHOOLS BD Bond Refund	07/02/2024 pziemer	07/17/2024	500.00	500.00	Open	N 07/17/2024
101-0000-20701	B22-0009			500.00			
BFG21-0021							
83578	ISD #181 BRAINERD PUBLIC SCHOOLS BD Bond Refund	07/03/2024 pziemer	07/17/2024	10,000.00	10,000.00	Open	N 07/17/2024
101-0000-20600	BFG21-0021 - P2019-00372			10,000.00			
Total for vendor 0207 - ISD #181 BRAINERD PUBLIC SCHOOLS:				12,000.00	12,000.00		
Vendor 3712 - JAREDS LAWN CARE:							
11616							
83510	JAREDS LAWN CARE LAWN CARE - PD	06/27/2024 pziemer	07/17/2024	254.75	254.75	Open	N 07/17/2024
225-2120-43300	PROFESSIONAL SERVICES			254.75			

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
Total for vendor 3712 - JAREDS LAWN CARE:				254.75	254.75		
Vendor 3488 - JEFFERSON FIRE & SAFETY:							
IN316122							
83643	JEFFERSON FIRE & SAFETY	06/28/2024	07/17/2024	690.00	690.00	Open	N
	CLASS A FOAM - 5 GAL X6	pziemer					07/17/2024
225-2220-42210	OPERATING SUPPLIES			690.00			
Total for vendor 3488 - JEFFERSON FIRE & SAFETY:				690.00	690.00		
Vendor MISC - KLD:							
B22-0013							
83537	KLD	07/02/2024	07/17/2024	500.00	500.00	Open	N
	BD Bond Refund	pziemer					07/17/2024
101-0000-20701	B22-0013			500.00			
Total for vendor MISC - KLD:				500.00	500.00		
Vendor 0500 - KUSTOM SIGNALS INC:							
612920							
83673	KUSTOM SIGNALS INC	06/28/2024	07/17/2024	3,789.62	3,789.62	Open	N
	SQD 414 & 415 NEW BUILD	pziemer					07/17/2024
400-9050-45530	CAPITAL - OTHER			3,789.62			
Total for vendor 0500 - KUSTOM SIGNALS INC:				3,789.62	3,789.62		
Vendor 0223 - L & M STEEL:							
041021							
83629	L & M STEEL	07/03/2024	07/17/2024	75.00	75.00	Open	N
	MH COVER MAGNET HANDLE	pziemer					07/17/2024
237-3190-42220	REPAIR & MAINT			75.00			
Total for vendor 0223 - L & M STEEL:				75.00	75.00		
Vendor 0313 - LAKES AREA SENIOR CENTER:							
JULY 2024							
83624	LAKES AREA SENIOR CENTER	07/03/2024	07/17/2024	8,054.38	8,054.38	Open	N
	JUL 24 LEVY PAYMENT	pziemer					07/17/2024
101-9200-43461	REMIT SENIOR CITIZEN LEVY			8,054.38			
Total for vendor 0313 - LAKES AREA SENIOR CENTER:				8,054.38	8,054.38		
Vendor 1956 - LANDSBURG LANDSCAPE NURSERY INC:							
4172							
83688	LANDSBURG LANDSCAPE NURSERY INC	07/01/2024	07/17/2024	7,409.12	7,409.12	Open	N
	DOWNTOWN PLANTERS - REMAINING BALANCE	pziemer					07/17/2024
401-1003-43430	MISCELLANEOUS			7,409.12			
Total for vendor 1956 - LANDSBURG LANDSCAPE NURSERY INC:				7,409.12	7,409.12		

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Inv Num Inv Ref# GL Distribution	Vendor Description GRANT	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
Vendor 3792 - LANDWEHR CONSTRUCTION INC:							
23:12 - FINAL 83614	LANDWEHR CONSTRUCTION INC 23:12 4TH ST STORMWATER OUTFALL	07/08/2024 pziemer	07/17/2024	1,573.98	1,573.98	Open	N 07/17/2024
401-9030-45530-23:12	CAPITAL-PYMTS TO CONTRACTS			1,573.98			
Total for vendor 3792 - LANDWEHR CONSTRUCTION INC:				1,573.98	1,573.98		
Vendor 0239 - MACQUEEN EQUIPMENT INC:							
P58533 83447	MACQUEEN EQUIPMENT INC SWEEPER 118 BRAKE CALIPER KIT	06/28/2024 pziemer	07/17/2024	2,680.43	2,680.43	Open	N 07/17/2024
235-3100-42220	REPAIR & MAINT			2,680.43			
Total for vendor 0239 - MACQUEEN EQUIPMENT INC:				2,680.43	2,680.43		
Vendor 1753 - MARCO:							
INV12564388 83318	MARCO CISCO DUO SECURITY 9/27/24-9/26/25	06/01/2024 pziemer	07/17/2024	6,120.00	6,120.00	Open	N 07/17/2024
101-1800-43309	COMPUTER SUPPORT			1,404.00			
101-0000-15500	PREPAID EXPENSE			4,212.00			
260-9020-43309	COMPUTER SUPPORT			126.00			
260-0000-15500	PREPAID EXPENSE			378.00			
Total for vendor 1753 - MARCO:				6,120.00	6,120.00		
Vendor MISC - MATT MAIER:							
7/1/2024 83678	MATT MAIER TZD TRAILER SUPPLIES -REIMBURSE	07/01/2024 pziemer	07/17/2024	123.99	123.99	Open	N 07/17/2024
225-2120-43430	B-LAKEZ T MISCELLANEOUS			123.99			
Total for vendor MISC - MATT MAIER:				123.99	123.99		
Vendor MISC - MD INVESTMENTS LLC RESP:							
BFG24-0006 83654	MD INVESTMENTS LLC RESP BD Bond Refund	07/10/2024 pziemer	07/17/2024	6,500.00	6,500.00	Open	N 07/17/2024
101-0000-20600	BFG24-0006			6,500.00			
Total for vendor MISC - MD INVESTMENTS LLC RESP:				6,500.00	6,500.00		
Vendor 2392 - MENARDS:							
24132 83549	MENARDS HAND SANITIZER	07/02/2024 pziemer	07/17/2024	67.40	67.40	Open	N 07/17/2024
237-3190-42220	REPAIR & MAINT			67.40			

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
Total for vendor 2392 - MENARDS:				67.40	67.40		
Vendor 2949 - MIDDAGH, SHAWN:							
7/1/24							
83628	MIDDAGH, SHAWN	07/01/2024	07/17/2024	139.99	139.99	Open	N
	2024 BOOT REIMBURSEMENT	pziemer					07/17/2024
235-3100-42220	REPAIR & MAINT			139.99			
Total for vendor 2949 - MIDDAGH, SHAWN:				139.99	139.99		
Vendor 3394 - MIDWEST MACHINERY CO:							
10121059							
83611	MIDWEST MACHINERY CO	07/09/2024	07/17/2024	96.14	96.14	Open	N
	MOWER BELTS	pziemer					07/17/2024
230-5200-42220	REPAIR & MAINT			96.14			
Total for vendor 3394 - MIDWEST MACHINERY CO:				96.14	96.14		
Vendor 0270 - MN DEPT LABOR & INDUSTRY:							
JUNE 2024							
83646	MN DEPT LABOR & INDUSTRY	06/30/2024	07/17/2024	2,126.21	2,126.21	Open	N
	JUNE0350152024 2ND QTR 2024	pziemer					07/17/2024
101-0000-21800	SURCHARGE PAYABLE TO STATE			2,126.21			
Total for vendor 0270 - MN DEPT LABOR & INDUSTRY:				2,126.21	2,126.21		
Vendor 2544 - MN GIS/LIS CONSORTIUM:							
200006452							
83604	MN GIS/LIS CONSORTIUM	07/09/2024	07/17/2024	325.00	325.00	Open	N
	CONFERENCE MN GIS 2024	pziemer					07/17/2024
101-1800-43330	PROFESSIONAL DEVELOPMENT			325.00			
Total for vendor 2544 - MN GIS/LIS CONSORTIUM:				325.00	325.00		
Vendor 3197 - MORTON SALT INC:							
5403077104							
83583	MORTON SALT INC	07/03/2024	07/17/2024	2,053.02	2,053.02	Open	N
	BULK ROAD SALT	pziemer					07/17/2024
235-3125-42220	REPAIR & MAINT			2,053.02			
5403078010							
83584	MORTON SALT INC	07/05/2024	07/17/2024	6,022.97	6,022.97	Open	N
	BULK ROAD SALT	pziemer					07/17/2024
235-3125-42220	REPAIR & MAINT			6,022.97			
Total for vendor 3197 - MORTON SALT INC:				8,075.99	8,075.99		
Vendor 1021 - MOTOROLA:							

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution GRANT						
8281929965							
83674	MOTOROLA	07/09/2024	07/17/2024	12,200.80	12,200.80	Open	N
	SQD 414 & 415 NEW BUILD	pziemer					07/17/2024
	400-9050-45530			12,200.80			
	CAPITAL - OTHER						
	Total for vendor 1021 - MOTOROLA:			12,200.80	12,200.80		

Vendor 3168 - MOTORS-N-MORE:

30646							
83684	MOTORS-N-MORE	07/10/2024	07/17/2024	430.13	430.13	Open	N
	SQD 430 COOLANT LEAK REPAIR	pziemer					07/17/2024
	225-2120-42221			430.13			
	SQUAD CAR REPAIR SUPPLIES						
	Total for vendor 3168 - MOTORS-N-MORE:			430.13	430.13		

Vendor 0798 - MR TIRE:

37598							
83618	MR TIRE	06/24/2024	07/17/2024	30.49	30.49	Open	N
	MOWER REPAIR	pziemer					07/17/2024
	230-5200-42220			30.49			
	REPAIR & MAINT						
	Total for vendor 0798 - MR TIRE:			30.49	30.49		

Vendor 0273 - NAPA AUTO PARTS:

719369							
83561	NAPA AUTO PARTS	07/01/2024	07/17/2024	34.77	34.77	Open	N
	SEWER CLEANING HEAD SOCKET	pziemer					07/17/2024
	237-3190-42220			34.77			
	REPAIR & MAINT						
718701							
83619	NAPA AUTO PARTS	06/28/2024	07/17/2024	12.43	12.43	Open	N
	VINYL SHINE	pziemer					07/17/2024
	225-2220-42210			12.43			
	OPERATING SUPPLIES						
	Total for vendor 0273 - NAPA AUTO PARTS:			47.20	47.20		

Vendor 1965 - NORTH CENTRAL BUS SALES:

2001							
83638	NORTH CENTRAL BUS SALES	06/28/2024	07/17/2024	114,904.00	114,904.00	Open	N
	2024 FORD E450 TRANSIT BUS VIN1FD4E41pziemer						07/17/2024
	203-9000-45550			114,904.00			
	CAPITAL - VEHICLES						
	Total for vendor 1965 - NORTH CENTRAL BUS SALES:			114,904.00	114,904.00		

Vendor 3018 - NORTH COUNTRY JANITORIAL & SUPPLY I:

JUN 24/PD							
83596	NORTH COUNTRY JANITORIAL & SUPPLY I	07/01/2024	07/17/2024	1,000.00	1,000.00	Open	N
	JUN 24 POLICE DEPT JANITORIAL	pziemer					07/17/2024
	225-2120-43300			1,000.00			
	PROFESSIONAL SERVICES						

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
JUN 24/CH							
83597	NORTH COUNTRY JANITORIAL & SUPPLY I	07/01/2024	07/17/2024	985.00	985.00	Open	N
	JUN 24 CITY HALL JANITORIAL	pziemer					07/17/2024
101-1940-43300	PROFESSIONAL SERVICES			985.00			
JUN 24/FD							
83598	NORTH COUNTRY JANITORIAL & SUPPLY I	07/01/2024	07/17/2024	350.00	350.00	Open	N
	JUN 24 FIRE DEPT JANITORIAL	pziemer					07/17/2024
225-2220-43300	PROFESSIONAL SERVICES			350.00			
JUN 24/PW							
83599	NORTH COUNTRY JANITORIAL & SUPPLY I	07/01/2024	07/17/2024	350.00	350.00	Open	N
	JUN 24 PUBLIC WORKS GARAGE JANITORIAL	pziemer					07/17/2024
235-3100-43300	PROFESSIONAL SERVICES			175.00			
230-5200-43300	PROFESSIONAL SERVICES			175.00			
Total for vendor 3018 - NORTH COUNTRY JANITORIAL & SUPPLY I:				2,685.00	2,685.00		
Vendor 1153 - NORTHLAND ARBORETUM:							
JULY 2024							
83625	NORTHLAND ARBORETUM	07/03/2024	07/17/2024	8,054.38	8,054.38	Open	N
	JUL 24 LEVY PAYMENT	pziemer					07/17/2024
101-9200-43462	REMIT ARBORETUM LEVY			8,054.38			
Total for vendor 1153 - NORTHLAND ARBORETUM:				8,054.38	8,054.38		
Vendor 0736 - NORTHLAND FIRE PROTECTION:							
58783							
83562	NORTHLAND FIRE PROTECTION	06/28/2024	07/17/2024	85.85	85.85	Open	N
	RECHARGE EXTINGUISHERS - PD	pziemer					07/17/2024
225-2120-43300	PROFESSIONAL SERVICES			85.85			
Total for vendor 0736 - NORTHLAND FIRE PROTECTION:				85.85	85.85		
Vendor 0284 - OFFICE SHOP:							
1143372-0							
83451	OFFICE SHOP	06/26/2024	07/17/2024	66.75	66.75	Open	N
	MARKERS, PENS, WIPES, PAPER	pziemer					07/17/2024
203-9000-42200	OFFICE SUPPLIES			66.75			
1143372-1							
83460	OFFICE SHOP	06/28/2024	07/17/2024	11.18	11.18	Open	N
	TRANSIT POST ITS	pziemer					07/17/2024
203-9000-42200	OFFICE SUPPLIES			11.18			
1143454-0							
83581	OFFICE SHOP	06/28/2024	07/17/2024	3.70	3.70	Open	N
	OFFICE SUPPLIES	pziemer					07/17/2024
203-9000-42200	OFFICE SUPPLIES			3.70			

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution GRANT						
1143454-1							
83686	OFFICE SHOP	06/28/2024	07/17/2024	10.31	10.31	Open	N
	POST IT NOTES	pziemer					07/17/2024
203-9000-42200	OFFICE SUPPLIES			10.31			
	Total for vendor 0284 - OFFICE SHOP:			91.94	91.94		

Vendor 2137 - O'REILLY AUTOMOTIVE STORES INC.:

1647-285496							
83675	O'REILLY AUTOMOTIVE STORES INC.	07/10/2024	07/17/2024	126.61	126.61	Open	N
	SQD CAR WASH/SOAP/TOWELS	pziemer					07/17/2024
225-2120-42221	SQUAD CAR REPAIR SUPPLIES			126.61			
	Total for vendor 2137 - O'REILLY AUTOMOTIVE STORES INC.:			126.61	126.61		

Vendor 0561 - PEOPLES SECURITY:

251158							
83586	PEOPLES SECURITY	06/30/2024	07/17/2024	23.99	23.99	Open	N
	SECURITY MONITORING	pziemer					07/17/2024
211-5500-42220	REPAIR & MAINT			23.99			
	Total for vendor 0561 - PEOPLES SECURITY:			23.99	23.99		

Vendor 3768 - SADUSKY RENOVATIONS:

64							
83658	SADUSKY RENOVATIONS	07/10/2024	07/17/2024	513.75	513.75	Open	N
	PLAN REVIEW/INSPECTION SERVICES	pziemer					07/17/2024
101-2400-43300	PROFESSIONAL SERVICES			513.75			
	Total for vendor 3768 - SADUSKY RENOVATIONS:			513.75	513.75		

Vendor 0317 - SHORT ELLIOTT HENDRICKSON:

469119							
83622	SHORT ELLIOTT HENDRICKSON	06/18/2024	07/17/2024	48,671.46	48,671.46	Open	N
	23:13 WILLOW/6TH ROUNDABOUT	pziemer					07/17/2024
401-9030-43300-23:13	PROFESSIONAL SERVICES			48,671.46			
469262							
83645	SHORT ELLIOTT HENDRICKSON	07/08/2024	07/17/2024	22,903.95	22,903.95	Open	N
	23:13 WILLOW/6TH ROUNDABOUT	pziemer					07/17/2024
401-9030-43300-23:13	PROFESSIONAL SERVICES			22,903.95			
469874							
83687	SHORT ELLIOTT HENDRICKSON	07/10/2024	07/17/2024	7,736.50	7,736.50	Open	N
	21:15 BUFFALO HILLS GULLY THR 6/29/24	pziemer					07/17/2024
401-9030-43300-21:15	PROFESSIONAL SERVICES			7,736.50			
	Total for vendor 0317 - SHORT ELLIOTT HENDRICKSON:			79,311.91	79,311.91		

Vendor 4185 - SRF CONSULTING GROUP:

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution	GRANT					
16811.00-11							
83615	SRF CONSULTING GROUP	06/30/2024	07/17/2024	28,375.97	28,375.97	Open	N
	23:05 TH 210 WATERMAIN SAN/SWR RELOC	pziemer					07/17/2024
401-9030-43300-23:05	PROFESSIONAL SERVICES			28,375.97			
	Total for vendor 4185 - SRF CONSULTING GROUP:			28,375.97	28,375.97		

Vendor 3138 - ST. LOUIS MRO INC.:

2023512							
83626	ST. LOUIS MRO INC.	06/01/2024	07/17/2024	50.00	50.00	Open	N
	2023 FMCSA CLEARINGHOUSE QUERY FEE	pziemer					07/17/2024
235-3100-43430	MISCELLANEOUS			8.54			
230-5200-43430	MISCELLANEOUS			7.32			
260-9020-43324	SAFETY TRAINING/PHYSICALS			4.88			
101-0000-14100	DUE FROM COMPONENT UNIT			29.26			
	Total for vendor 3138 - ST. LOUIS MRO INC.:			50.00	50.00		

Vendor 0322 - STREICHERS PROF EQUIP:

I1706490							
83564	STREICHERS PROF EQUIP	06/27/2024	07/17/2024	321.91	321.91	Open	N
	702 UNIFORM SHIRTS	pziemer					07/17/2024
225-2120-41113	UNIFORM ALLOWANCE			321.91			
I1706492							
83565	STREICHERS PROF EQUIP	06/27/2024	07/17/2024	301.92	301.92	Open	N
	701 UNIFORM SHIRTS	pziemer					07/17/2024
225-2120-41113	UNIFORM ALLOWANCE			301.92			
CM299844							
83594	STREICHERS PROF EQUIP	06/13/2024	07/17/2024	(94.99)	(94.99)	Open	N
	727 - UNIFORM PANTS EXCHANGED	pziemer					07/17/2024
225-2120-41113	UNIFORM ALLOWANCE			(94.99)			
I1706926							
83649	STREICHERS PROF EQUIP	07/01/2024	07/17/2024	94.99	94.99	Open	N
	727 UNIFORM PANTS EXCHANGED	pziemer					07/17/2024
225-2120-41113	UNIFORM ALLOWANCE			94.99			
	Total for vendor 0322 - STREICHERS PROF EQUIP:			623.83	623.83		

Vendor 4308 - SWANK MOTION PICTURES:

2269463							
83648	SWANK MOTION PICTURES	07/08/2024	07/17/2024	395.00	395.00	Open	N
	MOVIES IN THE PARK - BACK TO THE FUT	pziemer					07/17/2024
230-5211-42210	OPERATING SUPPLIES			395.00			
	Total for vendor 4308 - SWANK MOTION PICTURES:			395.00	395.00		

Vendor MISC - TKT HOLDINGS LLC:

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution GRANT						
B23-0008							
83538	TKT HOLDINGS LLC	07/02/2024	07/17/2024	500.00	500.00	Open	N
	BD Bond Refund	pziemer					07/17/2024
101-0000-20701	B23-0008			500.00			
	Total for vendor MISC - TKT HOLDINGS LLC:			500.00	500.00		

Vendor 3428 - TURFCARE, INC.:

1515							
83641	TURFCARE, INC.	06/30/2024	07/17/2024	237.25	237.25	Open	N
	ROUND 3 FERTILIZER	pziemer					07/17/2024
225-2220-43300	PROFESSIONAL SERVICES			237.25			
1516							
83642	TURFCARE, INC.	06/30/2024	07/17/2024	153.20	153.20	Open	N
	ROUND 3 WEED CONTROL	pziemer					07/17/2024
225-2220-43300	PROFESSIONAL SERVICES			153.20			
	Total for vendor 3428 - TURFCARE, INC.:			390.45	390.45		

Vendor 0039 - VESTIS:

2530289095							
83458	VESTIS	06/27/2024	07/17/2024	62.35	62.35	Open	N
	RUGS AND OVERALLS	pziemer					07/17/2024
235-3100-43430	MISCELLANEOUS			62.35			
2530291621							
83582	VESTIS	07/04/2024	07/17/2024	86.63	86.63	Open	N
	RUGS AND OVERALLS	pziemer					07/17/2024
235-3100-43430	MISCELLANEOUS			86.63			
	Total for vendor 0039 - VESTIS:			148.98	148.98		

Vendor 0344 - WASTE PARTNERS INC:

46X74408							
83542	WASTE PARTNERS INC	06/30/2024	07/17/2024	64.35	64.35	Open	N
	JUN 24 WASTE OIL	pziemer					07/17/2024
227-3230-43428	USED OIL RECYCLING EXPENSE			64.35			
46X74405							
83543	WASTE PARTNERS INC	06/30/2024	07/17/2024	157.20	157.20	Open	N
	JUN 24 CITY HALL WASTE REMOVAL	pziemer					07/17/2024
101-1940-43380	UTILITIES			157.20			
46X74406							
83544	WASTE PARTNERS INC	06/30/2024	07/17/2024	259.74	259.74	Open	N
	JUN 24 DOWNTOWN WASTE REMOVAL	pziemer					07/17/2024
401-1003-43300	PROFESSIONAL SERVICES			259.74			

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Inv Num Inv Ref#	Vendor Description	Inv Date Entered By	Due Date	Inv Amt	Amt Due	Status	Jrnlized Post Date
	GL Distribution GRANT						
46X74404 83545	WASTE PARTNERS INC JUN 24 FIRE DEPT WASTE REMOVAL 225-2220-43380 UTILITIES	06/30/2024 pziemer	07/17/2024	117.00 117.00	117.00	Open	N 07/17/2024
46X74402 83546	WASTE PARTNERS INC JUN 24 CAMPGROUND WASTE REMOVAL 230-5280-43380 UTILITIES	06/30/2024 pziemer	07/17/2024	146.25 146.25	146.25	Open	N 07/17/2024
46X74407 83547	WASTE PARTNERS INC JUN 24 POLICE DEPT WASTE REMOVAL 225-2120-43380 UTILITIES	06/30/2024 pziemer	07/17/2024	146.00 146.00	146.00	Open	N 07/17/2024
46X74409 83548	WASTE PARTNERS INC JUN 24 PARKS WASTE REMOVAL 230-5200-43380 UTILITIES	06/30/2024 pziemer	07/17/2024	936.00 936.00	936.00	Open	N 07/17/2024
46X74403 83572	WASTE PARTNERS INC JUN 24 WASTE REMOVAL PW GARAGE 235-3100-43380 UTILITIES 230-5200-43380 UTILITIES	06/30/2024 pziemer	07/17/2024	117.00 58.50 58.50	117.00	Open	N 07/17/2024
46X72467 83621	WASTE PARTNERS INC JUN 24 LIBRARY WASTE REMOVAL 211-5500-43380 UTILITIES	06/30/2024 pziemer	07/17/2024	114.53 114.53	114.53	Open	N 07/17/2024
Total for vendor 0344 - WASTE PARTNERS INC:				2,058.07	2,058.07		

Vendor 3914 - WATSON COMPANY:

143155 83653	WATSON COMPANY CONCESSIONS - CANDY/MEAT STICKS/CHEE 230-5204-42210 OPERATING SUPPLIES	07/02/2024 pziemer	07/17/2024	102.15 102.15	102.15	Open	N 07/17/2024
Total for vendor 3914 - WATSON COMPANY:				102.15	102.15		

Vendor 0888 - WEST BRAINERD AUTO SERVICE:

050715 83511	WEST BRAINERD AUTO SERVICE TOW: DWI ICR 24009134 225-2120-42210 OPERATING SUPPLIES	06/29/2024 pziemer	07/17/2024	45.00 45.00	45.00	Open	N 07/17/2024
050731 83676	WEST BRAINERD AUTO SERVICE SQD 430 TOW 225-2120-42221 SQUAD CAR REPAIR SUPPLIES	07/10/2024 pziemer	07/17/2024	45.00 45.00	45.00	Open	N 07/17/2024

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution GRANT						
050876							
83677	WEST BRAINERD AUTO SERVICE	07/08/2024	07/17/2024	25.00	25.00	Open	N
	SQD 432 TOW	pziemer					07/17/2024
225-2120-42221	SQUAD CAR REPAIR SUPPLIES			25.00			
	Total for vendor 0888 - WEST BRAINERD AUTO SERVICE:			115.00	115.00		

Vendor 3199 - WEX BANK:

98092413/TRANSIT							
83630*	WEX BANK	06/30/2024	07/17/2024	5,609.26	5,609.26	Open	N
	JUNE 24 TRANSIT FUEL	pziemer					07/17/2024
203-9000-42212	MOTOR FUELS			5,626.75			
203-9000-42212	MOTOR FUELS			(17.49)			
98092413/STRTS							
83631*	WEX BANK	06/30/2024	07/17/2024	5,255.86	5,255.86	Open	N
	JUNE 24 STREET DEPT FUEL	pziemer					07/17/2024
237-3190-42212	MOTOR FUELS			654.21			
235-3100-42212	MOTOR FUELS			4,602.83			
235-3100-42212	MOTOR FUELS			(1.18)			
98092413/POLICE							
83632*	WEX BANK	06/30/2024	07/17/2024	4,558.00	4,558.00	Open	N
	JUNE 24 POLICE DEPT FUEL	pziemer					07/17/2024
225-2120-42212	MOTOR FUELS			4,627.88			
225-2120-42212	MOTOR FUELS			(69.88)			
98092413/FD							
83633	WEX BANK	06/30/2024	07/17/2024	847.65	847.65	Open	N
	JUNE 24 FIRE DEPT FUEL	pziemer					07/17/2024
225-2120-42212	MOTOR FUELS			847.65			
98092413/ENG							
83634*	WEX BANK	06/30/2024	07/17/2024	248.25	248.25	Open	N
	JUNE 24 ENG DEPT FUEL	pziemer					07/17/2024
401-9030-42212	MOTOR FUELS			250.15			
401-9030-42212	MOTOR FUELS			(1.90)			
98092413/CDD							
83635	WEX BANK	06/30/2024	07/17/2024	115.36	115.36	Open	N
	JUNE 24 COM DEV FUEL	pziemer					07/17/2024
101-2400-42212	MOTOR FUELS			115.36			
98092413/PARKS							
83636*	WEX BANK	06/30/2024	07/17/2024	2,198.93	2,198.93	Open	N
	JUNE 24 PARKS DEPT FUEL	pziemer					07/17/2024
230-5200-42212	MOTOR FUELS			2,200.84			
230-5200-42212	MOTOR FUELS			(1.91)			
98092413/ADMIN							
83637	WEX BANK	06/30/2024	07/17/2024	(65.39)	(65.39)	Open	N
	JUNE 24 WEX EDGE REBATE	pziemer					07/17/2024
101-0000-36299	MISCELLANEOUS REVENUE (NONTAX)			(65.39)			

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
Total for vendor 3199 - WEX BANK:				18,767.92	18,767.92		
Vendor 3899 - WEX HEALTH INC:							
0001988293-IN							
83612	WEX HEALTH INC	06/30/2024	07/17/2024	42.50	42.50	Open	N
	JUNE 2024 COBRA	pziemer					07/17/2024
101-9200-43300	PROFESSIONAL SERVICES			42.50			
Total for vendor 3899 - WEX HEALTH INC:				42.50	42.50		
Vendor 0346 - WIDSETH SMITH NOLTING:							
231251							
83600	WIDSETH SMITH NOLTING	06/21/2024	07/17/2024	930.00	930.00	Open	N
	23:10 LUM PARK BOAT LAUNCH THRU 6/14/pziemer						07/17/2024
229-0000-43300-23:10	PROFESSIONAL SERVICES			930.00			
231297							
83627	WIDSETH SMITH NOLTING	06/21/2024	07/17/2024	8,450.00	8,450.00	Open	N
	BRD PD - EXTERIOR RENOVATION	pziemer					07/17/2024
400-9050-43300	PROFESSIONAL SERVICES			8,450.00			
Total for vendor 0346 - WIDSETH SMITH NOLTING:				9,380.00	9,380.00		
Vendor 4305 - WRUCK SEWER & PORTABLE RENTAL LLC:							
I22420							
83456	WRUCK SEWER & PORTABLE RENTAL LLC	06/17/2024	07/17/2024	505.00	505.00	Open	N
	PORTABLE RENTALS -MAY 2024	pziemer					07/17/2024
230-5215-42210	OPERATING SUPPLIES			135.00			
230-5200-43410	RENTAL EXPENSE			370.00			
I22421							
83457	WRUCK SEWER & PORTABLE RENTAL LLC	06/17/2024	07/17/2024	101.25	101.25	Open	N
	APR 2024 PORTABLE RENTALS	pziemer					07/17/2024
230-5200-43410	RENTAL EXPENSE			67.50			
230-5215-42210	OPERATING SUPPLIES			33.75			
Total for vendor 4305 - WRUCK SEWER & PORTABLE RENTAL LLC:				606.25	606.25		
Vendor MISC - YOUTH INVESTMENT FOUNDATION:							
B22-0003							
83655	YOUTH INVESTMENT FOUNDATION	07/10/2024	07/17/2024	500.00	500.00	Open	N
	BD Bond Refund	pziemer					07/17/2024
101-0000-20701	B22-0003			500.00			
Total for vendor MISC - YOUTH INVESTMENT FOUNDATION:				500.00	500.00		
Vendor 0354 - ZIEGLER, INC:							

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	GL Distribution GRANT						
IN001546364							
83659	ZIEGLER, INC	07/09/2024	07/17/2024	47.27	47.27	Open	N
	BACKHOE 116 AXLE/BRAKE OIL	pziemer					07/17/2024
	235-3100-42220	REPAIR & MAINT		47.27			
	Total for vendor 0354 - ZIEGLER, INC:			47.27	47.27		

PCard: 2257 U.S. BANK Card Holder: CITY HALL

Vendor 3698 - AMAZON:

6/11/24							
83500	AMAZON	06/11/2024	07/17/2024	80.00	80.00	Open	N
	REPLACEMENT UPS BATTERY	pziemer					07/17/2024
	101-1800-42220	REPAIR & MAINT		80.00			
6/2/24							
83502	AMAZON	06/02/2024	07/17/2024	348.47	348.47	Open	N
	AWS MAY 2024	pziemer					07/17/2024
	101-1800-43309	COMPUTER SUPPORT		348.47			
6/7/24							
83503	AMAZON	06/07/2024	07/17/2024	42.17	42.17	Open	N
	PLASTIC PARTS STORAGE CONTAINER	pziemer					07/17/2024
	230-5200-42220	REPAIR & MAINT		42.17			
6/5/24							
83504	AMAZON	06/05/2024	07/17/2024	49.99	49.99	Open	N
	PICKLEBALLS	pziemer					07/17/2024
	230-5231-42210	OPERATING SUPPLIES		49.99			
6/18/24 - 2							
83505	AMAZON	06/18/2024	07/17/2024	61.97	61.97	Open	N
	IPAD CASES AND STYLUS	pziemer					07/17/2024
	101-1800-42210	OPERATING SUPPLIES		61.97			
5/30/24							
83506	AMAZON	06/01/2024	07/17/2024	62.89	62.89	Open	N
	BREAK AWAY LANYARDS	pziemer					07/17/2024
	101-1940-42200	OFFICE SUPPLIES		62.89			
6/12/24							
83507	AMAZON	06/12/2024	07/17/2024	205.83	205.83	Open	N
	IRRIGATION CONTROL COVERS	pziemer					07/17/2024
	230-5200-42220	REPAIR & MAINT		205.83			
	Total for vendor 3698 - AMAZON:			851.32	851.32		

Vendor 4295 - BOARD OF AELSLAGID:

6/3/24							
83501	BOARD OF AELSLAGID	06/03/2024	07/17/2024	122.50	122.50	Open	N
	ENG. LICENSE RENEWAL - J.DEHN	pziemer					07/17/2024
	101-1700-43330	PROFESSIONAL DEVELOPMENT		122.50			

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	GL Distribution GRANT						

PCard: 2257 U.S. BANK Card Holder: CITY HALL

6/17/24							
83575	BOARD OF AELSLAGID	06/17/2024	07/17/2024	122.50	122.50	Open	N
	ENG LICENSE RENEW - J.FLADUNG	pziemer					07/17/2024
101-1700-43330	PROFESSIONAL DEVELOPMENT			122.50			
	Total for vendor 4295 - BOARD OF AELSLAGID:			245.00	245.00		

Vendor 1518 - ICMA MEMBERSHIP RENEWALS:

6/19/24							
83530	ICMA MEMBERSHIP RENEWALS	06/19/2024	07/17/2024	1,164.00	1,164.00	Open	N
	2024 ICMA CONF. REG - N.BROYLES	pziemer					07/17/2024
101-1400-43330	PROFESSIONAL DEVELOPMENT			1,164.00			
6/21/24							
83531	ICMA MEMBERSHIP RENEWALS	06/21/2024	07/17/2024	(354.00)	(354.00)	Open	N
	CREDIT FOR 2 EVENTS ICMA 24 -N.BROYLE	pziemer					07/17/2024
101-1400-43330	PROFESSIONAL DEVELOPMENT			(354.00)			
	Total for vendor 1518 - ICMA MEMBERSHIP RENEWALS:			810.00	810.00		

Vendor MISC - SURVEY MONKEY:

6/12/24							
83527	SURVEY MONKEY	06/12/2024	07/17/2024	468.00	468.00	Open	N
	SUREVEYMONKEY 6/12/24-6/11/25	pziemer					07/17/2024
101-9200-43430	MISCELLANEOUS			468.00			
	Total for vendor MISC - SURVEY MONKEY:			468.00	468.00		

Vendor MISC - TRAVELOCITY:

6/24/24							
83526	TRAVELOCITY	06/24/2024	07/17/2024	333.64	333.64	Open	N
	ICMA HOTEL/RENTAL CAR - N.BROYLES	pziemer					07/17/2024
101-1400-43330	PROFESSIONAL DEVELOPMENT			333.64			
	Total for vendor MISC - TRAVELOCITY:			333.64	333.64		

Vendor 3697 - USPS:

6/11/24 - 2							
83498	USPS	06/11/2024	07/17/2024	11.00	11.00	Open	N
	MAIL ADMIN LIQUOR LICENSES	pziemer					07/17/2024
101-1400-43322	POSTAGE			11.00			
	Total for vendor 3697 - USPS:			11.00	11.00		

Vendor 3858 - ZOOM VIDEO COMMUNICATIONS:

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	GL Distribution	GRANT					
PCard: 2257 U.S. BANK Card Holder: CITY HALL							
6/18/24							
83499	ZOOM VIDEO COMMUNICATIONS	06/18/2024	07/17/2024	31.98	31.98	Open	N
	ZOOM 6/18/24-7/17/24	pziemer					07/17/2024
101-1800-43309	COMPUTER SUPPORT			31.98			
	Total for vendor 3858 - ZOOM VIDEO COMMUNICATIONS:			31.98	31.98		
Total PCard: 2257 U.S. BANK Card Holder: CITY HALL				2,750.94	2,750.94		

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution GRANT						
PCard: 2257 U.S. BANK Card Holder: FIRE							

Vendor 3698 - AMAZON:							
6/5/24 - 2							
83529	AMAZON	06/05/2024	07/17/2024	57.99	57.99	Open	N
	LED WORK LIGHTS	pziemer					07/17/2024
225-2220-42210	OPERATING SUPPLIES			57.99			
Total for vendor 3698 - AMAZON:				57.99	57.99		

Vendor 4054 - FACEBOOK:							
6/1/24							
83528	FACEBOOK	06/01/2024	07/17/2024	6.56	6.56	Open	N
	JOB POSTINGS	pziemer					07/17/2024
225-2220-43350	PRINTING/LEGAL PUBLICATION			6.56			
Total for vendor 4054 - FACEBOOK:				6.56	6.56		

Total PCard: 2257 U.S. BANK Card Holder: FIRE				64.55	64.55		
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GL Distribution GRANT

PCard: 2257 U.S. BANK Card Holder: LIBRARY

Vendor 3698 - AMAZON:

6/19/24

83494

AMAZON

06/18/2024

07/17/2024

74.00

74.00

Open

N

PAPER WATER CUPS

pziemer

07/17/2024

211-5500-42220

REPAIR & MAINT

74.00

6/18/24

83495

AMAZON

06/18/2024

07/17/2024

51.77

51.77

Open

N

PAINT PENS - YOUTH PROGRAMMING SUPPL

pziemer

07/17/2024

211-5501-43430

MISC - SPECIFIED DONATION USE

51.77

5/23/24 - 2

83496

AMAZON

06/01/2024

07/17/2024

295.13

295.13

Open

N

STRING, COASTERS, PAPER, YOUTH PROGR

pziemer

07/17/2024

211-5501-43430

MISC - SPECIFIED DONATION USE

295.13

Total for vendor 3698 - AMAZON:

420.90

420.90

Vendor 4307 - HALBROOK, LYNN:

6/6/24

83497

HALBROOK, LYNN

06/06/2024

07/17/2024

350.00

350.00

Open

N

YOUTH PROGRAMMING - EARTH DAY MAGIC

pziemer

07/17/2024

211-5501-43430

MISC - SPECIFIED DONATION USE

350.00

Total for vendor 4307 - HALBROOK, LYNN:

350.00

350.00

Vendor MISC - MAILCHIMP:

6/4/24

83493

MAILCHIMP

06/04/2024

07/17/2024

45.00

45.00

Open

N

EMAIL SUBSCRIPTION SERVICE

pziemer

07/17/2024

211-5503-43430

MISC - USE OF HOLDEN TRUST

45.00

Total for vendor MISC - MAILCHIMP:

45.00

45.00

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815.90

815.90

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PCard: 2257 U.S. BANK Card Holder: PARKS

Vendor 3711 - COSTCO:

6/5/24							
83489	COSTCO	06/05/2024	07/17/2024	101.98	101.98	Open	N
	CONCESSIONS - ICE CREAM, HOT DOGS, C	pziemer					07/17/2024
	230-5204-42210	OPERATING SUPPLIES		101.98			
6/10/24							
83490	COSTCO	06/10/2024	07/17/2024	125.91	125.91	Open	N
	CONCESSIONS - HOT DOGS	pziemer					07/17/2024
	230-5204-42210	OPERATING SUPPLIES		125.91			
6/18/24							
83491	COSTCO	06/18/2024	07/17/2024	128.85	128.85	Open	N
	CONCESSIONS - HOT DOGS, CHEESE, BUNS	pziemer					07/17/2024
	230-5204-42210	OPERATING SUPPLIES		128.85			
6/7/24							
83492	COSTCO	06/07/2024	07/17/2024	15.87	15.87	Open	N
	FISHING CLINIC - WATER, CHIPS, HOTDO	pziemer					07/17/2024
	230-5211-42210	OPERATING SUPPLIES		15.87			
	Total for vendor 3711 - COSTCO:			372.61	372.61		

Vendor 0006 - WALMART COMMUNITY/GECRB:

6/7/24 - 2							
83488	WALMART COMMUNITY/GECRB	06/07/2024	07/17/2024	31.48	31.48	Open	N
	FISHING CLINIC SUPPLIES	pziemer					07/17/2024
	230-5211-42210	OPERATING SUPPLIES		31.48			
6/4/24							
83657	WALMART COMMUNITY/GECRB	06/04/2024	07/17/2024	53.64	53.64	Open	N
	FISHING CLINIC - BUCKETS/POLES	pziemer					07/17/2024
	230-5211-42210	OPERATING SUPPLIES		53.64			
	Total for vendor 0006 - WALMART COMMUNITY/GECRB:			85.12	85.12		

Total PCard: 2257 U.S. BANK Card Holder: PARKS

457.73 457.73

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GL Distribution GRANT

PCard: 2257 U.S. BANK Card Holder: POLICE

Vendor 3698 - AMAZON:

6/13/24

83478	AMAZON	06/13/2024	07/17/2024	165.88	165.88	Open	N
	FLASH DRIVES AND SD CARDS	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			165.88			
Total for vendor 3698 - AMAZON:				165.88	165.88		

Vendor 3928 - ARCHERY COUNTRY BRAINERD:

6/6/24

83470	ARCHERY COUNTRY BRAINERD	06/06/2024	07/17/2024	60.00	60.00	Open	N
	CAMERA	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			60.00			

6/6/24 - RETURN

83471	ARCHERY COUNTRY BRAINERD	06/06/2024	07/17/2024	(60.00)	(60.00)	Open	N
	CAMERA - RETURN	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			(60.00)			
Total for vendor 3928 - ARCHERY COUNTRY BRAINERD:				0.00	0.00		

Vendor 0049 - AUTO VALUE - WEST:

5/30/24

83464	AUTO VALUE - WEST	06/01/2024	07/17/2024	23.99	23.99	Open	N
	SQD TOUCH UP PAINT	pziemer					07/17/2024
225-2120-42221	SQUAD CAR REPAIR SUPPLIES			23.99			
Total for vendor 0049 - AUTO VALUE - WEST:				23.99	23.99		

Vendor 2511 - EASY RIDERS BICYCLE & SPORTSHOP:

5/30/24

83465	EASY RIDERS BICYCLE & SPORTSHOP	06/01/2024	07/17/2024	10.49	10.49	Open	N
	POLICE BIKE TUBE	pziemer					07/17/2024
225-2125-43430	MISC - BIKE PATROL			10.49			

6/6/24

83472	EASY RIDERS BICYCLE & SPORTSHOP	06/06/2024	07/17/2024	148.60	148.60	Open	N
	BIKE REPAIR/MAINTENANCE	pziemer					07/17/2024
225-2125-43430	MISC - BIKE PATROL			148.60			
Total for vendor 2511 - EASY RIDERS BICYCLE & SPORTSHOP:				159.09	159.09		

Vendor 3719 - FLEET FARM:

6/4/24

83468	FLEET FARM	06/04/2024	07/17/2024	20.99	20.99	Open	N
	TRAINING AMMO	pziemer					07/17/2024
225-2120-43330	PROFESSIONAL DEVELOPMENT			20.99			

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Inv Ref#	Description	Entered By					Post Date
	GL Distribution GRANT						
PCard: 2257 U.S. BANK Card Holder: POLICE							
6/10/24							
83476	FLEET FARM	06/10/2024	07/17/2024	26.99	26.99	Open	N
	CLEANING SUPPLIES	pziemer					07/17/2024
225-2120-42220	REPAIR & MAINT			26.99			
	Total for vendor 3719 - FLEET FARM:			47.98	47.98		
Vendor 2989 - HOME DEPOT:							
6/13/24							
83479	HOME DEPOT	06/13/2024	07/17/2024	37.44	37.44	Open	N
	SUPPLIES FOR MOUNTING CAMERAS	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			37.44			
	Total for vendor 2989 - HOME DEPOT:			37.44	37.44		
Vendor 0599 - MN COUNTY ATTORNEY ASSN:							
6/6/24							
83473	MN COUNTY ATTORNEY ASSN	06/06/2024	07/17/2024	33.00	33.00	Open	N
	PROPERTY FORMS	pziemer					07/17/2024
225-2120-42200	OFFICE SUPPLIES			33.00			
	Total for vendor 0599 - MN COUNTY ATTORNEY ASSN:			33.00	33.00		
Vendor 4306 - TACTACAM REVEAL:							
6/13/24							
83480	TACTACAM REVEAL	06/13/2024	07/17/2024	9.59	9.59	Open	N
	2ND CAMERA SUBSCRIPTION	pziemer					07/17/2024
225-2120-43433	DUES & SUBSCRIPTIONS			9.59			
6/7/24							
83485	TACTACAM REVEAL	06/07/2024	07/17/2024	9.00	9.00	Open	N
	CAMERA SUBSCRIPTION	pziemer					07/17/2024
225-2120-43433	DUES & SUBSCRIPTIONS			9.00			
6/7/24 - 2							
83486	TACTACAM REVEAL	06/07/2024	07/17/2024	13.00	13.00	Open	N
	CAMERA SUBSCRIPTION	pziemer					07/17/2024
225-2120-43433	DUES & SUBSCRIPTIONS			13.00			
	Total for vendor 4306 - TACTACAM REVEAL:			31.59	31.59		
Vendor 3703 - TRANSUNION RISK:							
6/4/24							
83487	TRANSUNION RISK	06/04/2024	07/17/2024	75.00	75.00	Open	N
	INVESTIGATIONS & PARKING TCKT COLLEC	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			75.00			
	Total for vendor 3703 - TRANSUNION RISK:			75.00	75.00		

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Inv Ref#	Description	Entered By					Post Date

GL Distribution GRANT

PCard: 2257 U.S. BANK Card Holder: POLICE

Vendor 3697 - USPS:

5/28/24							
83462	USPS	06/01/2024	07/17/2024	136.00	136.00	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			136.00			
5/28/24 - 2							
83463	USPS	06/01/2024	07/17/2024	11.60	11.60	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			11.60			
5/31/24							
83466	USPS	06/01/2024	07/17/2024	15.00	15.00	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			15.00			
6/3/24							
83467	USPS	06/03/2024	07/17/2024	6.60	6.60	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			6.60			
6/5/24							
83469	USPS	06/05/2024	07/17/2024	1.63	1.63	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			1.63			
6/7/24							
83474	USPS	06/07/2024	07/17/2024	11.60	11.60	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			11.60			
6/11/24							
83477	USPS	06/11/2024	07/17/2024	9.50	9.50	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			9.50			
6/14/24							
83482	USPS	06/14/2024	07/17/2024	5.79	5.79	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			5.79			
6/20/24							
83483	USPS	06/20/2024	07/17/2024	0.95	0.95	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			0.95			
6/24/24							
83484	USPS	06/24/2024	07/17/2024	18.40	18.40	Open	N
	POSTAGE	pziemer					07/17/2024
225-2120-43322	POSTAGE			18.40			
Total for vendor 3697 - USPS:				217.07	217.07		

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	GL Distribution GRANT						

PCard: 2257 U.S. BANK Card Holder: POLICE

Vendor 0006 - WALMART COMMUNITY/GECRB:

6/7/24							
83475	WALMART COMMUNITY/GECRB	06/07/2024	07/17/2024	99.00	99.00	Open	N
	CAMERA	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			99.00			
6/13/24							
83481	WALMART COMMUNITY/GECRB	06/13/2024	07/17/2024	99.00	99.00	Open	N
	CAMERA	pziemer					07/17/2024
225-2120-42210	OPERATING SUPPLIES			99.00			
Total for vendor 0006 - WALMART COMMUNITY/GECRB:				198.00	198.00		

Total PCard: 2257 U.S. BANK Card Holder: POLICE

# of Invoices:	213	# Due:	213	Totals:	615,569.05	615,569.05
# of Credit Memos:	6	# Due:	6	Totals:	(19,902.99)	(19,902.99)
Net of Invoices and Credit Memos:					595,666.06	595,666.06

* 5 Net Invoices have Credits Totalling:	(92.36)
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--- TOTALS BY GL DISTRIBUTION ---

101-0000-14100	DUE FROM COMPONENT UNIT	66.23
101-0000-15500	PREPAID EXPENSE	4,212.00
101-0000-20600	BFG23-0012	21,400.00
101-0000-20701	B20-0002	4,500.00
101-0000-21800	SURCHARGE PAYABLE TO STATE	2,126.21
101-0000-36299	MISCELLANEOUS REVENUE (NONTAX)	(65.39)
101-1400-43322	POSTAGE	11.00
101-1400-43330	PROFESSIONAL DEVELOPMENT	1,143.64
101-1400-43433	DUES & SUBSCRIPTIONS	198.00
101-1700-43330	PROFESSIONAL DEVELOPMENT	245.00
101-1700-43331	LEASE PAYMENTS	4,147.83
101-1700-43350	PRINTING/LEGAL PUBLICATION	604.50
101-1700-43430	MISCELLANEOUS	86.00
101-1800-42210	OPERATING SUPPLIES	61.97
101-1800-42220	REPAIR & MAINT	80.00
101-1800-43309	COMPUTER SUPPORT	1,784.45
101-1800-43321	TELEPHONE	348.86
101-1800-43330	PROFESSIONAL DEVELOPMENT	325.00
101-1940-42200	OFFICE SUPPLIES	255.58
101-1940-43300	PROFESSIONAL SERVICES	985.00
101-1940-43380	UTILITIES	357.63
101-2400-42212	MOTOR FUELS	115.36
101-2400-43300	PROFESSIONAL SERVICES	513.75
101-2400-43331	LEASE EXPENSE	2,820.70
101-2400-43350	PRINTING/LEGAL PUBLICATION	125.81
101-2400-43405	NUISANCES	2,535.00
101-9200-43300	PROFESSIONAL SERVICES	15,591.70

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
	101-9200-43350	LEGAL PUBLICATIONS		1,736.55			
	101-9200-43430	MISCELLANEOUS		468.00			
	101-9200-43460	REMIT COMMUNITY ACTION LEVY		8,054.38			
	101-9200-43461	REMIT SENIOR CITIZEN LEVY		8,054.38			
	101-9200-43462	REMIT ARBORETUM LEVY		8,054.38			
	203-9000-42200	OFFICE SUPPLIES		381.34			
	203-9000-42212	MOTOR FUELS		5,609.26			
	203-9000-43340	ADVERTISING/MARKETING		86.26			
	203-9000-45550	CAPITAL - VEHICLES		114,904.00			
	211-5500-42220	REPAIR & MAINT		169.69			
	211-5500-43300	PROFESSIONAL SERVICES		675.00			
	211-5500-43380	UTILITIES		237.05			
	211-5500-45500	CAPITAL OUTLAY		14,900.00			
	211-5501-43430	MISC - SPECIFIED DONATION USE		696.90			
	211-5503-43430	MISC - USE OF HOLDEN TRUST		45.00			
	211-5505-43430	MISC - COPY MACHINE PYMTS		97.70			
	225-2120-41113	UNIFORM ALLOWANCE		624.79			
	225-2120-42200	OFFICE SUPPLIES		33.00			
	225-2120-42209	SAFETY EQUIPMENT SUPPLIES		48.45			
	225-2120-42210	OPERATING SUPPLIES		2,527.61			
	225-2120-42212	MOTOR FUELS		5,405.65			
	225-2120-42220	REPAIR & MAINT		26.99			
	225-2120-42221	SQUAD CAR REPAIR SUPPLIES		699.48			
	225-2120-43300	PROFESSIONAL SERVICES		1,340.60			
	225-2120-43322	POSTAGE		217.07			
	225-2120-43330	PROFESSIONAL DEVELOPMENT		20.99			
	225-2120-43331	LEASED PAYMENTS		11,651.05			
	225-2120-43380	UTILITIES		175.64			
	225-2120-43430	MISCELLANEOUS		123.99			
	225-2120-43433	DUES & SUBSCRIPTIONS		31.59			
	225-2125-43430	MISC - BIKE PATROL		159.09			
	225-2131-42210	OPERATING SUPPLIES		125.25			
	225-2220-42200	OFFICE SUPPLIES		365.99			
	225-2220-42210	OPERATING SUPPLIES		3,517.35			
	225-2220-42221	R&M BUILDING		2,576.82			
	225-2220-43300	PROFESSIONAL SERVICES		740.45			
	225-2220-43331	LEASED PAYMENTS		684.46			
	225-2220-43350	PRINTING/LEGAL PUBLICATION		6.56			
	225-2220-43380	UTILITIES		194.93			
	225-2700-43300	PROFESSIONAL SERVICES		1,919.33			
	225-2700-43430	MISCELLANEOUS		1,258.00			
	227-3230-43428	USED OIL RECYCLING EXPENSE		64.35			
	229-0000-43300-23:10	PROFESSIONAL SERVICES		930.00			
	230-5200-42212	MOTOR FUELS		2,198.93			
	230-5200-42220	REPAIR & MAINT		1,753.37			
	230-5200-43300	PROFESSIONAL SERVICES		175.00			
	230-5200-43331	LEASE PAYMENTS		4,403.80			
	230-5200-43350	PRINTING/LEGAL PUBLICATION		600.00			
	230-5200-43380	UTILITIES		1,047.46			
	230-5200-43410	RENTAL EXPENSE		437.50			
	230-5200-43430	MISCELLANEOUS		7.32			
	230-5204-42210	OPERATING SUPPLIES		621.29			
	230-5211-42210	OPERATING SUPPLIES		495.99			
	230-5215-42210	OPERATING SUPPLIES		168.75			
	230-5231-42210	OPERATING SUPPLIES		49.99			
	230-5280-43380	UTILITIES		146.25			
	235-0000-39101	SALE OF ASSETS		(19,208.62)			

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
	235-3100-42212	MOTOR FUELS		4,601.65			
	235-3100-42220	REPAIR & MAINT		2,881.22			
	235-3100-43300	PROFESSIONAL SERVICES		175.00			
	235-3100-43331	LEASE PAYMENTS		17,721.60			
	235-3100-43380	UTILITIES		111.46			
	235-3100-43410	RENTAL EXPENSE		82.70			
	235-3100-43430	MISCELLANEOUS		157.52			
	235-3125-42220	REPAIR & MAINT		8,075.99			
	235-3170-42210	OPERATING SUPPLIES		17.96			
	237-3190-42212	MOTOR FUELS		654.21			
	237-3190-42220	REPAIR & MAINT		205.93			
	237-3190-43331	LEASE PAYMENTS		2,887.13			
	251-9360-43467	REMIT LOCAL SALES TAX COLLECT		122,087.03			
	260-0000-15500	PREPAID EXPENSE		378.00			
	260-9020-43300	PROFESSIONAL SERVICES		17,713.30			
	260-9020-43309	COMPUTER SUPPORT		126.00			
	260-9020-43324	SAFETY TRAINING/PHYSICALS		4.88			
	400-9050-43300	PROFESSIONAL SERVICES		8,450.00			
	400-9050-45530	CAPITAL - OTHER		30,285.82			
	401-1003-43300	PROFESSIONAL SERVICES		259.74			
	401-1003-43430	MISCELLANEOUS		7,409.12			
	401-9030-42212	MOTOR FUELS		248.25			
	401-9030-43300-21:15	PROFESSIONAL SERVICES		7,736.50			
	401-9030-43300-23:05	PROFESSIONAL SERVICES		28,375.97			
	401-9030-43300-23:13	PROFESSIONAL SERVICES		71,575.41			
	401-9030-43300-24:06	PROFESSIONAL SERVICES		4,177.50			
	401-9030-43430	MISCELLANEOUS		7.18			
	401-9030-45530-23:12	CAPITAL-PYMTS TO CONTRACTS		1,573.98			
	404-9055-45550	CAPITAL - VEHICLES		572.78			

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Inv Ref#	Description	Entered By					Post Date
GL Distribution	GRANT						
--- TOTALS BY FUND ---							
101 -	GENERAL FUND			90,943.52	90,943.52		
203 -	TRANSIT FUND			120,980.86	120,980.86		
211 -	LIBRARY FUND			16,821.34	16,821.34		
225 -	PUBLIC SAFETY FUND			34,475.13	34,475.13		
227 -	RECYCLING FUND			64.35	64.35		
229 -	PANDEMIC GRANTS			930.00	930.00		
230 -	PARK & RECREATION FUND			12,105.65	12,105.65		
235 -	STREET & SEWER FUND			14,616.48	14,616.48		
237 -	SANITARY SEWER FUND			3,747.27	3,747.27		
251 -	LOCAL OPTION SALES TAX			122,087.03	122,087.03		
260 -	AIRPORT FUND			18,222.18	18,222.18		
400 -	CAPITAL PROJECTS FUND			38,735.82	38,735.82		
401 -	CONSTRUCTION FUND			121,363.65	121,363.65		
404 -	FIRE DEPARTMENT CAPITAL			572.78	572.78		
--- TOTALS BY DEPT/ACTIVITY ---							
0000 -				14,338.43	14,338.43		
1003 -	10:03 DWNTWN MAIN CNTRACT			7,668.86	7,668.86		
1400 -	ADMINISTRATION			1,352.64	1,352.64		
1700 -	ENGINEERING			5,083.33	5,083.33		
1800 -	IT/GIS			2,600.28	2,600.28		
1940 -	CITY HALL			1,598.21	1,598.21		
2120 -	POLICE DEPARTMENT			22,926.90	22,926.90		
2125 -	BIKE PATROL PROGRAM			159.09	159.09		
2131 -	TACTICAL TEAM			125.25	125.25		
2220 -	FIRE DEPARTMENT			8,086.56	8,086.56		
2400 -	COMMUNITY DEVL/INSPECTION			6,110.62	6,110.62		
2700 -	ANIMAL CONTROL			3,177.33	3,177.33		
3100 -	S & S MAINTENANCE			25,731.15	25,731.15		
3125 -	SNOW REMOVAL			8,075.99	8,075.99		
3170 -	TRAFFIC CONTROL			17.96	17.96		
3190 -	SANITARY SEWER EXPENSE			3,747.27	3,747.27		
3230 -	RECYCLING EXPENSE			64.35	64.35		
5200 -	PARK MAIN/ADMINISTRATION			10,623.38	10,623.38		
5204 -	CONCESSIONS			621.29	621.29		
5211 -	SPECIAL EVENTS PROGRAM			495.99	495.99		
5215 -	ADULT SOFTBALL			168.75	168.75		
5231 -	PICKLEBALL			49.99	49.99		
5280 -	CAMPGROUND			146.25	146.25		
5500 -	LIBRARY-BUDGETED			15,981.74	15,981.74		
5501 -	SPECIFIED DONATION USE			696.90	696.90		
5503 -	HOLDEN TRUST DONATION USE			45.00	45.00		

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Inv Ref#	Description	Entered By					Post Date
GL Distribution GRANT							
--- TOTALS BY DEPT/ACTIVITY ---							
	5505 - TAXABLE FEES			97.70	97.70		
	9000 - TRANSIT FUND			120,980.86	120,980.86		
	9020 - AIRPORT M & O			17,844.18	17,844.18		
	9030 - CONSTRUCTION PROJ-MISC			113,694.79	113,694.79		
	9050 - CAPITAL PROJECTS-MISC			38,735.82	38,735.82		
	9055 - FIRE DEPARTMENT CAPITAL			572.78	572.78		
	9200 - CITY-WIDE			41,959.39	41,959.39		
	9360 - LOCAL OPTION SALES TAX			122,087.03	122,087.03		

Pursuant to due call and notice thereof, the Budget Workshop of the Brainerd City Council was called to order at 6:00 p.m. by Council President Bevans.

Upon roll call, the following members were noted as present: Johnson, Stunek, Terry, Stenglein, and Bevans. Mayor Badeaux was also noted as absent.

Staff present were Finance Director Hillman, Fire Chief Holmes, HR Director Schubert, and Public Works Director Dehn.

Discussion of 2025 Capital Planning

City Engineer/Public Works Director Dehn reviewed the draft Parks Capital Plan. The Park Board has drafted a 30-year capital plan with 2% of the total capital value set aside each year to fund capital facility projects for the next 30 years.

Member Stenglein asked about the rotation of the items.

City Engineer/Public Works Director Dehn stated that the 2% fund would eventually replace items on a rotation. The plan is still a draft.

Member Terry thanked the Park Board for their work on their capital plan. She asked whether there would be grants to count on to fund some of the projects listed.

City Engineer/Public Works Director Dehn stated that for replacements it is not common. Trails would be a common grant, however, those grants would be very competitive.

Member Bevans asked about the budgeted number for 2025.

City Engineer/Public Works Director Dehn stated that yes, the additional dollars would go toward the 2% to fund the future of the plan.

Member Johnson stated that the 2% is not set aside for the parks, is not set aside for the Park Board to spend. When projects are proposed by the Park Board, they can make an ask and hope that there is money in the Capital Improvement Fund to fund it. If there is something catastrophic that happens, that money would go toward that event instead of to the Parks. The City had the capacity to spend what it did in 2024, it is not a guarantee that they will be able to receive that amount in perpetuity.

Finance Director Hillman gave an overview of the City's Capital Plan by Department.

Member Johnson asked whether the Library has the money to spend \$426,000 on capital in 2025.

Finance Director Hillman stated that the Library building is a City facility. The money levied each year barely covers the operating and maintenance costs of the Library. The building was a part of the facility study from 2019.

Member Terry stated that the Library is asking for a 2% levy increase in 2025.

Member Johnson asked about another possible facility for the Fire Department.

Chief Holmes stated that the feasibility study is not yet complete. However, he does not believe a brand new building is financially feasible at this time. Modernizing the existing station one will solve most problems. Financially, it is a better option to modernize the station. He hopes to develop a plan that makes the facility more useful for office space, apparatus space, and storage. Ultimately, a third station would better serve the communities that are part of the Fire Advisory group in the future.

City Engineer/Public Works Director Dehn reviewed the Public Works Capital Improvement Plan and funding the projects. He went over the changes of the plan which included updating South 10th and Wright in 2025 as a reconstruction due to more state aid funding being available and with the support of Brainerd Public Utilities. The City was awarded a grant for the Pedestrian Bridge over Highway 210. He discussed the potential for state aid bonding and franchise fees from utilities as a way to fund projects, as opposed to Permanent Improvement levy, bonding, and special assessments.

The Council was generally supportive of the draft 10-Year Capital Improvement Plan, the City Engineer's options to support future projects, and collecting more information on Franchise Fees.

Adjourn

The Chair adjourned the meeting at 6:55 p.m.

Nicholas W. Broyles
City Administrator

Pursuant to due call and notice thereof, the regular meeting of the Brainerd City Council was called to order at 7:30 P.M. by Council President Bevans.

Upon roll call, the following members were noted as present: Czeczok, O'Day, Stunek, Terry, Stenglein, Johnson, and Bevans. Mayor Badeaux was noted as absent.

Council President Bevans opened the meeting with the Pledge of Allegiance to the flag.

Member Czeczok requested the City Council add an item to new business regarding Update from the Strike Contingency Workgroup.

MOVED AND SECONDED BY COUNCIL MEMBERS STUNEK AND TERRY, DULY CARRIED, TO APPROVE THE AGENDA WITH THE ADDITION OF AN ITEM TO NEW BUSINESS REGARDING AN UPDATE FROM THE STRIKE CONTINGENCY WORKGROUP.

MOVED AND SECONDED BY COUNCIL MEMBERS CZECZOK AND STENGLEIN TO APPROVE THE CONSENT CALENDAR.

- A. Approval of Bills
- B. Approval of Minutes
- C. Department Activity Report
- D. Minnesota Lawful Gambling Application For Exempt Permit-Submitted By MN Deer Hunters Association Brainerd Chapter For An Event To Be Held On September 6th, 2024, at The Brainerd Curling Club, 2000 SE 13th St, Brainerd
- E. Approve Temporary Liquor Licenses Submitted by Lakes Area Music Festival for Events on July 23, 26, & 31 and August 2, 10, 14, & 17 at the Gichi-Ziibi Center, 702 S 5th St
- F. Authorize Hiring of 2024 Summer Temporary Employee
- G. Approve Memorandum of Agreement between the City of Brainerd and Teamsters General Local Union No. 346 (Lieutenant and Sergeants) Union regarding Juneteenth 2024

Upon roll call, Council Members Czeczok, O'Day, Stunek, Terry, Stenglein, Johnson, and Bevans. voted "aye". No member voted "nay". The Chair declared the motion carried.

Council Committee Reports

Safety and Public Works Committee

Consider Ordinance Pertaining to Homeless Encampments and Structures

Committee Chair O'Day stated that there has been an increase in complaints about homeless encampments. At this time, this is a solution to pursue. The solution is not designed to punish people for being homeless, it is to encourage them to seek help. This will give the police department more tools to deal with the issue.

Member Terry stated that she appreciates that Member O'Day included that this ordinance is not to punish those who are homeless. She cannot support fining the homeless

population as it would criminalize homelessness. She asked for verification of a death in one of the encampments.

Police Chief Davis confirmed there was a death of an individual at a homeless encampment in June.

Member Czczok stated that a couple of changes were requested for enforcement of the issue.

Community Development Director Kramvik stated the other change requested was in reference to all public property, not just right-of-way.

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND CZECZOK, DULY CARRIED, TO DIRECT STAFF TO DRAFT AN ORDINANCE PERTAINING TO HOMELESS ENCAMPMENTS AND STRUCTURES.

Direct Additional Police Enforcement for Parks After-Hours

Committee Chair O'Day stated that with the increase in vandalism in the parks, the Police Department has been adding enforcement.

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND CZECZOK, DULY CARRIED, TO DIRECT POLICE DEPARTMENT TO CONTINUE ADDITIONAL PARKS AFTER-HOURS ENFORCEMENT.

Approve Bid - Imp 24-03 2024 Large Patching Project

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND STENGLEIN, DULY CARRIED, TO AWARD OF THE LARGE PATCHING PROJECT TO ANDERSON BROTHERS IN THE AMOUNT OF \$47,950, AND FURTHER AUTHORIZE STAFF TO WORK WITH ANDERSON BROTHERS TO COMPLETE ADDITIONAL PATCHING ON SW 4TH STREET TO NOT EXCEED THE TOTAL BUDGETED AMOUNT OF \$50,000.

Information on Locations of Annexation Requirement for Water/Sewer Connection

City Engineer/Public Works Director Dehn stated that he included documentation in the packet for Council's review. He gave an overview of the documents. The staff's recommendation is that more of these requirements should be reflected in the City Code.

Chair Bevans stated that the connection fee was discussed at the previous meeting. There was a range for the amount discussed. The packet included a resolution he signed in 2004 for \$13,000.

City Engineer/Public Works Director Dehn stated that the resolution referenced was an example of one of the many resolutions adopted by the Council for Riverside, there were yearly resolutions to declare the assessment amount.

Member Czczok clarified that the amount for connection set by Council for the particular address on Riverside recently was set at \$11,300.

City Engineer/Public Works Director Dehn stated that the City is operating under the Street and Sewer Assessment Policy. They are working together with BPU to update the City Code.

Direction on Active Code Enforcement Cases

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND CZECZOK, DULY CARRIED, TO FOLLOW STAFF RECOMMENDATIONS FOR PROPERTIES 319 9TH ST N, 401 4TH AVE NE, 408 2ND AVE NE.

Notification of CRP Grant Award for TH 210/Lum Park Pedestrian Bridge

Committee Chair O'Day stated that the City was awarded \$1.336 million for the year 2025 and \$86,000 for 2026. This is a large amount of money. However, the project will cost about \$6 million.

Personnel and Finance Committee

Committee Chair Johnson was not feeling well, he turned the duty of going through the agenda items over to Member Terry.

League of MN Cities Insurance Trust (LMCIT) Premium Renewal March 2024-February 2025

Committee Member Terry the City budgeted a 3.2% increase, the actual increase is 5.5% and an 8.1% total increase per the policy.

MOVED AND SECONDED BY COUNCIL MEMBERS STUNEK AND JOHNSON, DULY CARRIED, TO APPROVE THE INSURANCE RENEWAL FROM LMCIT FOR THE PERIOD OF MARCH 1, 2024-FEBRUARY 28, 2025.

Accept Retirement of Street Maintenance I Michael Jensen

MOVED AND SECONDED BY COUNCIL MEMBERS TERRY AND STUNEK, DULY CARRIED, TO ACCEPT THE RETIREMENT OF STREET MAINTENANCE I MICHAEL JENSEN EFFECTIVE JULY 12, 2024, AND AUTHORIZE HIS SEVERANCE PAYOUT PER THE IUOE LOCAL NO. 49 STREET DEPARTMENT UNION CONTRACT; FURTHER, TO AUTHORIZE STAFF TO BEGIN THE HIRING PROCESS TO BACKFILL THE MAINTENANCE I POSITION.

Request Authorization to Backfill Police Officer Position

Committee Member Terry stated that with the hiring the City will return to 27 budgeted officers.

MOVED AND SECONDED BY COUNCIL MEMBERS TERRY AND JOHNSON, DULY CARRIED, TO AUTHORIZE STAFF TO BEGIN THE HIRING PROCESS FOR THE VACANT POLICE OFFICER POSITION.

Consider Central Business District Incentive Policy

Member Czeczok asked for clarification on the area that the policy would cover. He asked about the Public Utility recommendation.

Community Development Director Kramvik gave an overview of the area. The PUC did not give a recommendation. However, they had concerns about the amount of fees that would be forgiven.

Member Czczok stated that he likes the idea of incentivizing. The cost of doing business is expensive, he'd like to be able to help relieving costs where possible but questioned whether forgiving the \$3,300 SAC/WAC fee really going to prevent someone from starting a business. This is based upon the numbers he heard at the Public Utilities Commission.

MOVED AND SECONDED BY COUNCIL MEMBERS TERRY AND STUNEK TO APPROVE THE EDA PROPOSED CENTRAL BUSINESS DISTRICT MAP WITH THE SAME INCENTIVES AS THE RIVER TO RAIL DISTRICT.

Council Members O'Day, Stunek, Terry, Stenglein, Johnson, and Bevans voted "aye". Member Czczok voted "nay". The Chair declared the motion carried.

Discuss Use of Vacant Building Registration Fees

Committee Member Terry stated that the first reading of Ordinance 1569 has been conducted and final reading will be conducted at this meeting. Fees would most likely be collected after the sale of a property and could be used to remedy blighted properties.

MOVED AND SECONDED BY COUNCIL MEMBERS TERRY AND JOHNSON, DULY CARRIED, TO CREATE A SEPARATE ACCOUNT FOR VACANT BUILDING REGISTRY FEES CONTINGENT UPON CITY COUNCIL APPROVAL OF PROPOSED ORDINANCE 1569.

Approve Draft Policy on Requests for City-owned Parcels

Committee Member Terry stated that the policy is based on discussion by the City Council.

MOVED AND SECONDED BY COUNCIL MEMBERS TERRY AND STUNEK, DULY CARRIED, TO ADOPT POLICY AS PRESENTED REGARDING REQUESTS FOR CITY-OWNED PARCELS.

Consider Amending Number of Temporary Licenses or Authorize Refund of Fee

MOVED AND SECONDED BY COUNCIL MEMBERS TERRY AND JOHNSON, DULY CARRIED, TO DIRECT STAFF TO AMEND CITY CODE 1200.03 SUBD. 6 TO MATCH THE STATE STATUTE ALLOWING AN ORGANIZATION TO HOLD A TEMPORARY ON-SALE LICENSE FOR 12 DAYS WITHIN A 12 MONTH PERIOD.

Unfinished Business

Call for Applicants – Informational:

Mayor Recommended: (terms to expire on 12/31 of said year)

Charter Commission – 2 terms (Expire 2026) 2 terms (Expire 2025)

Park Board – 1 term (Expire 2026)

Transportation Advisory Committee- 2 terms (Expire 2025)

Mayor Recommended: (terms to expire on 9/7 of said year)

Economic Development Authority- 1 term (Expire 2026)

Council President Recommended: (terms expire on 12/31 of said year)

Parking Commission-- 1 term (Expire 2026) 1 term (Expire 2028)

Consider Interim Use Permit for Outdoor Storage as a Principal Use at 1918 Thiesse Dr

Community Development Director Kramvik gave an overview of the Interim Use Permit. The new proposed site plan includes 26 containers, forty feet in length. The EDA reviewed the Purchase and Development Agreement (PDA) at its special meeting. The EDA motioned to send a letter to notify VCV that they are in default of the current PDA, the remedy for default has not been determined at this time. The decision of the EDA should have no bearing on the IUP. Based on the sound study, there are a number of factors that could influence the decibels of sound produced by crypto mining at any given time. He added two conditions in addition to those provided in the memo: noise generated by the facility shall meet MPCA regulations and a sound study be conducted, at the expense of Ancheng, between April and October if the facility is running.

Member O'Day asked about the discrepancy and interpretation of the MPCA guidelines. He asked Mr. Kramvik to review the e-mail sent.

Community Development Director Kramvik stated that the MPCA is looking at use to determine impact on a property. The closest properties are zoned residential but portions of them could be considered forested or agricultural based on their use.

Member Stenglein asked about the amount of land needed to be considered for different uses on the same parcel.

Community Development Director Kramvik stated that with these large twenty to forty acre parcels, it is his understanding that considerations could be made of how they are used would be made.

Member Czeczok asked about the sound levels that need to be met in the different zones. He asked about sound testing the properties and how the distance is determined. He stated that he respects staff's opinion, however, he would like to know the MPCAs actual standards specific to these properties.

Community Development Director Kramvik stated that the standards for residential versus agricultural are held to a higher standard. He stated that he could contact the MPCA to clarify any questions.

Chair Bevans asked about the condition contingent upon the EDA approving the material change. Would Ancheng be withdrawing their IUP if the PDA is not agreed to.

Community Development Director Kramvik stated that the PDA is with the EDA and needs to be resolved in order for anything to proceed.

Member Czeczok clarified that a significant reason needs to be given to deny the interim use permit for outdoor storage.

Community Development Director stated that the reasons to deny the interim use permit can be found in the use table for interim use permits. However, staff recommends the approval of the permit.

Member O'Day stated that anywhere on these parcels there could be a house built in the future. In order to avoid the entire issue, the facility could add ten to twelve foot concrete wall around the entire facility.

Member Czeczok questioned whether there are better materials or different solutions for sound deadening around the parcel.

Community Development Director Kramvik stated that the sound deadening could be contingent upon approval by the City Council.

Attorney Langel expressed concern about the fact that the wall would most likely require a variance, and Council is treading into arbitrary conditions. Also, that any type of condition should emanate from the code, he is unaware of anything in the City Code that requires massive walls.

Chair Bevans stated that he will vote against the motion as he also believes that the developer should work with an engineer and staff to determine the best course.

Member Johnson stated that he would rather see the motion include sound barriers on the property approved by staff.

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND STENGLEIN TO APPROVE THE INTERIM USE PERMIT WITH ALL OF THE MENTIONED CONDITIONS AND ALSO TO BUILD A TWELVE FOOT TALL, ONE FOOT THICK WALL AROUND THE ENTIRE PARCEL.

Council Members O'Day and Stenglein voted "aye". Members Czczok, Stunek, Terry, Johnson, and Bevans voted "nay". The Chair declared the motion failed.

MOVED BY COUNCIL MEMBER STENGLEIN TO APPROVE THE INTERIM USE PERMITS WITH ALL SEVEN CONDITIONS PROVIDED, CHANGING ANCHENG TO "THE PROPERTY OWNER" AND THE EXPIRATION DATE TO DECEMBER 31, 2025.

The Chair declared the motion failed due to lack of a second.

Member Johnson clarified that the end date for the permit should be one year after start of operations.

Member Terry stated that she appreciates all of the staff work to provide information as requested. She is concerned about the noise, ownership, proximity to Camp Ripley, how the IUP aligns with the Comprehensive Plan, job creation, electricity usage, and environmental impacts. She stated that now that she knows more since the previous issuance of the IUP, she will be voting no.

Member Czczok asked whether the Comprehensive Plan applies to the Interim Use Permit.

Community Development Director Kramvik stated that the application of the Comprehensive Plan is a part of the rules and administration for interim use permits. He reminded the Council that this IUP is for storage as a principal use and is not focused on crypto mining.

Member Czczok stated that there is no carbon neutral element as a part of the process. He does not like crypto mining at all. He thinks this whole thing is a mess, he will support the motion because the City has a duty. There are mitigation elements with all of the conditions to the permit. As much as he would not like to have crypto mining, the Council must be responsible to taxpayers and neighbors to issue an IUP with an expiration.

MOVED BY COUNCIL MEMBER JOHNSON AND CZECZOK TO APPROVE THE INTERIM USE PERMIT FOR STORAGE AS A PRINCIPAL USE AT 1918 THIESSE DR WITH THE FOLLOWING CONDITIONS: THE PERMIT IS CONTINGENT UPON THE BRAINERD

EDA APPROVING THE MATERIAL CHANGE IN THE CONSTRUCTION PLANS AND EXTENDING THE CONSTRUCTION COMMENCEMENT DEADLINE, THE PERMIT SHALL EXPIRE AFTER ONE YEAR OF BEGINNING CRYPTO-MINING OPERATIONS, THE APPLICANT SHALL SUBMIT A HAZARDOUS WASTE PLAN APPROVED BY THE COMMUNITY DEVELOPMENT DEPARTMENT, ENGINEERING DEPARTMENT, AND FIRE DEPARTMENT, THE IUP IS TERMINATED UPON OPERATIONS DISCONTINUING AS A CRYPTO MINING FACILITY, IMMERSION MINING IS THE ONLY PERMISSIBLE CRYPTO-MINING ALLOWED ON THE PROPERTY, NOISE GENERATED BY THE FACILITY SHALL MEET MPCA REGULATIONS, A SOUND STUDY BE CONDUCTED AT THE EXPENSE OF ANCHENG BETWEEN APRIL AND OCTOBER IF THE FACILITY IS RUNNING, A SOUND DEAFENING BARRIER ON THE PROPERTY TO BE APPROVED BY STAFF, AND CHANGING ANCHENG TO "THE PROPERTY OWNER".

Upon roll call Members Czeczok, Stenglein, and Bevans voted "aye". Members O'Day, Stunek, Terry, and Johnson voted "nay". The Chair declared the motion failed.

Community Development Director stated that the Council must vote to deny the interim use permit.

Member Czeczok stated that based on the three to four vote to approve the IUP it would be appropriate for the Council to unanimously deny the permit.

MOVED BY COUNCIL MEMBER TERRY AND CZECZOK, DULY CARRIED, TO DENY THE INTERIM USE PERMIT FOR STORAGE AS A PRINCIPAL USE AT 1918 THIESSE DR BASED ON CONCERNS AROUND NOISE ASSOCIATED WITH THE FACILITY, PROPERTY LINES, ALIGNMENT WITH COMPREHENSIVE PLAN, AND THE INFORMATION SINCE INITIAL CONTRACT WAS APPROVED DEMONSTRATES ENVIRONMENTAL IMPACTS AND NOISE IMPACTS ON NEIGHBORS.

Final Reading and Public Hearing - Proposed Ordinance 1569 - Vacant Building Registry Ordinance

Community Development Director Kramvik gave an overview of the ordinance.

MOVED AND SECONDED BY COUNCIL MEMBERS STUNEK AND CZECZOK, DULY CARRIED, TO CONDUCT THE FINAL READING OF ORDINANCE 1569 AND DISPENSE WITH THE ACTUAL READING.

The Chair opened the public hearing at 8:33 p.m.

No one came forward.

The Chair closed the public hearing at 8:34 p.m.

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND STENGLEIN TO ADOPT ORDINANCE 1569 PERTAINING TO CREATING A VACANT BUILDING REGISTRY.

ORDINANCE 1569

Upon roll call, Council Members Czeczok, O'Day, Stunek, Terry, Stenglein, Johnson, and Bevans. voted "aye". No member voted "nay". The Chair declared the motion carried.

New Business

Consider Conditional Use Permit for the Expansion of Two Additional Early Childhood Classrooms at TCCAP, 2410 Oak St.

Community Development Director Kramvik gave an overview of the conditional use permit.

Member Johnson thanked TCC for adding more childcare spots.

MOVED AND SECONDED BY COUNCIL MEMBERS JOHNSON AND TERRY, DULY CARRIED, TO APPROVE THE CONDITIONAL USE PERMIT AT 2410 OAK ST AS REQUESTED WITH THE PROVISION THAT FUTURE ADDITIONAL CHILD OCCUPANCY WILL NOT REQUIRE A CUP AMENDMENT.

Update from the Strike Contingency Workgroup

Administrator Broyles stated that the electronic copy of the authorization to strike by the IBEW Local 31 was received on June 29th. Once the hard copy of the letter is received, the ten-day cooling off period begins. He asked Council to review the press release to inform the public of the potential for a strike and letters drafted requesting assistance from various entities.

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND CZECHOK, DULY CARRIED, TO APPROVE THE PRESS RELEASE AND BOTH LETTERS TO BE DISTRIBUTED.

Administrator Broyles stated that the City received an unfair labor charge that has been asserted against the City. Staff will be working with attorneys to provide more information.

Member Czechok asked whether the unfair labor practice document is attorney-client privileged information.

Attorney Langel stated that the document is not attorney-client privilege.

Administrator Broyles requested that the Council set a Special Council meeting for July 8th at 6:00 p.m. to discuss strike updates and a closed session for negotiation strategy.

Interim Public Utilities Director Wussow requested that the Public Utilities Commission be included in the meeting.

MOVED AND SECONDED BY COUNCIL MEMBERS O'DAY AND STENGLEIN, DULY CARRIED, TO SCHEDULE A JOINT SPECIAL MEETING OF THE CITY COUNCIL AND PUBLIC UTILITIES COMMISSION FOR JULY 8TH AT 6:00 P.M.

Public Forum

The Chair opened the public forum at 8:43 p.m.

No one came forward.

The Chair closed the public forum at 8:44 p.m.

Staff Reports

Police Chief Davis stated that on August 15th from 5:00 p.m. to 8:00 p.m. the Police Department and the Northside Neighborhood Association are hosting Brainerd Night Out at Gregory Park. More details to come.

City Engineer/Public Works Director Dehn stated that staff has been monitoring water levels at the Evergreen Landing for safety. The first phase of the South Brainerd project is paved and complete with the new streetlights. It looks awesome he encouraged Council Members to check it out. Arts in the Park took place at Gregory Park on Sunday and it was a great event. The forecast is not looking great for Independence Day and that Lyman P. White Park and the football fields will be utilized for the celebrations.

Community Development Director Kramvik stated that the EDA has authorized a façade improvement grant. It is open to all industrial and commercial uses in the City of Brainerd. The grant will be advertised by BLAEDC on a first come first served basis. The State Affordable Housing Aid funds are being advertised. It is open until July 26th. The Planning Commission has put Highway 210 mixed use in the commercial corridor on the itinerary.

Administrator Broyles thanked Staff's hard work and willingness to be fluid with their schedules and Council's support on a variety of difficult issues in the coming weeks.

Council Member Reports

Member O'Day wished everyone a Happy Independence Day.

Member Stenglein attended Arts in the Park with her dog. This year they made origami frogs at the booth she was at. It was a great time.

Member Czeczok stated that a friend gave him photos of a lawn service blowing grass into the street. He has asked staff to look into the matter. Happy Independence Day.

Adjourn

MOVED AND SECONDED BY COUNCIL MEMBERS STUNEK AND CZECZOK, DULY CARRIED, TO ADJOURN THE MEETING.

The Chair adjourned the meeting at 8:50 p.m.

Nicholas W. Broyles
City Administrator

Pursuant to due call and notice thereof, the special meeting of the Brainerd City Council and Public Utilities Commission was called to order at 6:00 P.M. by Council President Bevans.

Upon roll call, the following members were noted as present: Terry, Stenglein, Johnson, Czczok, O'Day, Stunek, and Bevans. Mayor Badeaux was also noted as present. Public Utilities commissioners noted as present: Angland, Erickson, Johnson, O'Day, and Matten.

Council President Bevans opened the meeting with the Pledge of Allegiance to the flag.

Approve Agenda

MOVED AND SECONDED BY COUNCIL MEMBERS CZECZOK AND STUNEK, DULY CARRIED, TO APPROVE THE AGENDA.

New Business

**Accept the Resignation of Administrative Specialist- Public Works Department
Kathryn Johansen**

MOVED AND SECONDED BY COUNCIL MEMBERS JOHNSON AND CZECZOK, DULY CARRIED, TO MOTION TO ACCEPT MS. KATHY JOHANSEN'S RESIGNATION EFFECTIVE JULY 1, 2024; FURTHER, TO AUTHORIZE STAFF TO BEGIN THE HIRING PROCESS TO BACKFILL THE ADMINISTRATIVE SPECIALIST - PUBLIC WORKS POSITION.

**Strike Contingency Plan Update and Adopt Resolution in the Event of an IBEW
Local No. 31 Strike Action Against the City of Brainerd**

Administrator Broyles stated the City received an official Intent to Strike Notice from the IBEW Local No. 31 (Public Utility Union) on Tuesday, July 2nd. Therefore, the union has the legal right to strike as of July 13th, at 12:01 a.m. and ends on August 1st, at 11:59 p.m. The Strike Contingency Plan Work Group met on July 8th to begin execution of the Strike Contingency Plan.

HR Director Schubert stated that the resolution presented for Council consideration is a template from Flaherty and Hood and that the City Attorney has also reviewed it. At the Strike Work Group meeting today, the Work Group had additional discussions regarding the section for the Managers and Non-Union Supervisors receiving additional pay when required to work in excess of the normal workweek to perform services regularly performed by striking employees.

Member Terry stated that the group talked about "excess of the normal work week". The group discussed changing it to "in excess of 60 hours per workweek".

Member Czczok stated that it was also indicated that Non-Union Supervisors would need to track their hours.

Commissioner Angland stated that the Work Group discussed the financial implications of the strike. He questioned how to determine if 60 hours is the number of hours chosen before overtime is utilized.

Member Terry stated that the discussion surrounded 60 hours recognizing that the positions are traditionally and in definition exempt from overtime and knowing that leadership typically works over 40 hours as a part of their role.

Commissioner O'Day stated that anything over 40 hours should be compensated at time and a half.

Commissioner Angland stated that in the private sector, there are contracts for individuals to define what the overtime structure would be.

HR Director Schubert stated that the City does not have this clarified as Supervisory employees work the hours required to complete the work. When talking about 40 hours, that is in reference to non-exempt employees. Public Utility Department Managers and Supervisors are exempt employees meaning they are exempt from overtime as defined by federal law.

Member Terry stated that she fears and is leery of outlining anything over 40 hours as overtime as possibly setting a standard going forward for any negotiations if there are unions formed in the future.

Chair Bevans stated that a specified number of hours is preferred.

Commissioner Angland asked whether documented extra work could be quantified as overtime.

Member Johnson stated that it is very common for HR Director Schubert and Finance Director Hillman to work additional hours regularly. He is fine with the statement being vague as it is subject to the City Administrator's approval. He is also fine with setting a fixed number of hours worked per week.

Administrator Broyles stated that having been in public service and paid a salary for most of his career he has never gotten compensated for time after 40 hours. This is a unique situation, and being in a leadership position, during this time the expectation is that you will work until the job is done. He would be in favor of time after 60 hours per week being compensated at time and a half.

Interim Public Utilities Director Wussow brought attention to section 1. He clarified that with the passage of the resolution, he wanted the Council to be clear that they are authorizing the City Administrator to enter into agreements and/or contracts to be ratified at a later date. These may include contracts or agreements with other cities or contractors to fulfill the duties as he determines are needed with approval.

Member O'Day stated that he is comfortable with the City Administrator overseeing agreements and contracts that are time sensitive.

Member Czczok stated that if the City did not make any amendment to the resolution our supervisory staff and non-union staff could work in excess of 100 hours a week now and not be compensated for it, therefore, he believes that this would be a benefit to these staff members.

Member Terry stated that the statement is very specific to strike action.

Member Johnson stated that the City did receive a notice from the Bureau of Mediation Services (BMS) not to change any terms of employment for the Public Utilities Department supervisory staff. He asked whether this action constitutes a change to employment.

Administrator Broyles stated that he thinks that if the City changes from the status quo, it will benefit employees.

HR Director Schubert stated that the current terms and conditions of employment are that the non-union employees work until they get the job done. Since the City would be adding a benefit to those employees, Staff can ask BMS if this is a change that can be made. If it is something that BMS would have concerns with, it could be changed at the next Council meeting.

Member Czczok discussed approving the resolution as presented.

HR Director Schubert stated that she supported including 60 hours per week in the resolution. She does not believe that BMS would have an issue.

MOVED AND SECONDED BY COUNCIL MEMBERS CZECZOK AND TERRY TO ADOPT RESOLUTION WITH AMENDING SECTION S FROM "NORMAL WORKWEEK" TO "IN EXCESS OF 60 HOURS PER WORKWEEK" WITH APPROVAL BY THE CITY ATTORNEY AND BUREAU OF MEDIATION SERVICES.

RESOLUTION 29:24

Upon roll call Council Members Terry, Stenglein, Johnson, Czczok, O'Day, Stunek, and Bevans vote "aye". No Member voted "nay". The Chair declared the motion carried.

Adjourn to Closed Labor Negotiations Strategy Session pursuant to MN Statutes, 13d.03 Subd 1(b) to prepare for Neotiations with the IBEW 31 (Public Utilities)

MOVED AND SECONDED BY COUNCIL MEMBERS STUNEK AND TERRY, DULY CARRIED, TO ADJOURN THE MEETING.

The Chair adjourned the meeting at 6:25 p.m.

After a five-minute break the Council and Public Utilities Commission went into closed session.

The Chair reconvened the meeting at 6:48 p.m.

MOVED AND SECONDED BY COUNCIL MEMBERS STUNEK AND O'DAY, DULY CARRIED, TO ADJOURN THE MEETING.

The Chair adjourned the meeting at 6:48 p.m.

Nicholas W. Broyles
City Administrator



BRAINERD POLICE DEPARTMENT MONTHLY REPORT



BOOYAH AWARD



Officer Karsnia is June's Booyah winner with three nominations this month!

Officer Karsnia received a report of an after the fact burglary that took place in Northeast Brainerd. In a span of five hours, Officer Karsnia investigated the report, interviewed the victim and people associated with the incident, while locating the subject and making an arrest for 1st degree burglary. Great work on gathering evidence, statements, and a felony arrest. Booyah on the great police work!

Officers were requested to check on a subject who was supposed to attend treatment for his alcohol abuse in the following days. The subject was first reluctant to attend treatment like many times before. Karsnia decided to think outside of the box and began giving the subject several high-fives making the subject at times excited to go to treatment. Due to Officer Karsnia's patience and friendly demeanor, Karsnia was able to convince the subject that he needed help and should go to treatment. Karsnia transported the subject to where he received the proper help. Booyah!

Officers took the initiative to get out into the community in creative ways to say hi. A team day shift visited several of the city parks, the splash pad, The Center, and other visible areas taking the time to say hi and meet new friends. Several positive comments were received about officers out in the community and engaging with people. Community engagement is important in our job and the mission of our department. Great work!

BODY WORN CAMERA DATA REPORT

Month	Number of Videos	Hours of Video	GB of Videos	Average MB per Video	Average Time Length of Videos	Average Number of Videos Per Day
June	1,756	373	651	380	12.74 Minutes	12



TRAINING & STAFF DEVELOPMENT

Law Enforcement Active Shooter Emergency Response

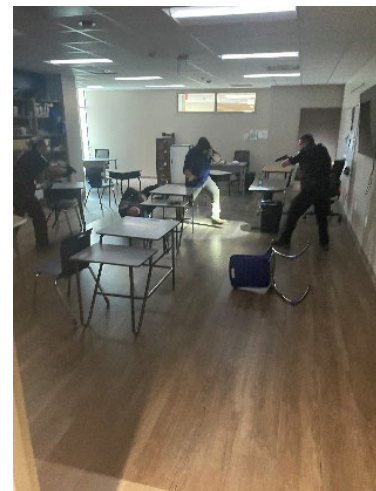
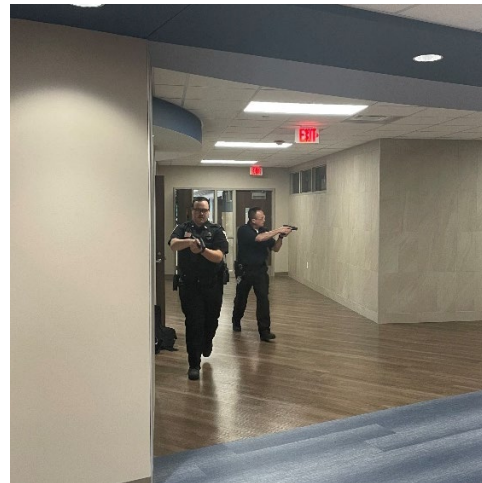
Sergeants Rosier and Reed, Investigator Personius, and Officers Judd and Selvestra attended Active Shooter Emergency Response training. This course addresses technical aspects of planning and implementing rapid law enforcement deployment to an active shooter incident through classroom presentations, hands-on performance-based field training, and scenario-based practical exercises.

Excel for Financial Crimes Training

Investigator Personius attended Excel for Financial Crimes Training. This course gave students hands-on experience with Excel, focusing on datasets commonly encountered during financial crimes investigations. Datasets included, but are not limited to, transaction card data, call detail records, and bank records.

Department Training

This month's department training included active threat response and sexual assault investigations.



OVERALL CALLS FOR SERVICE

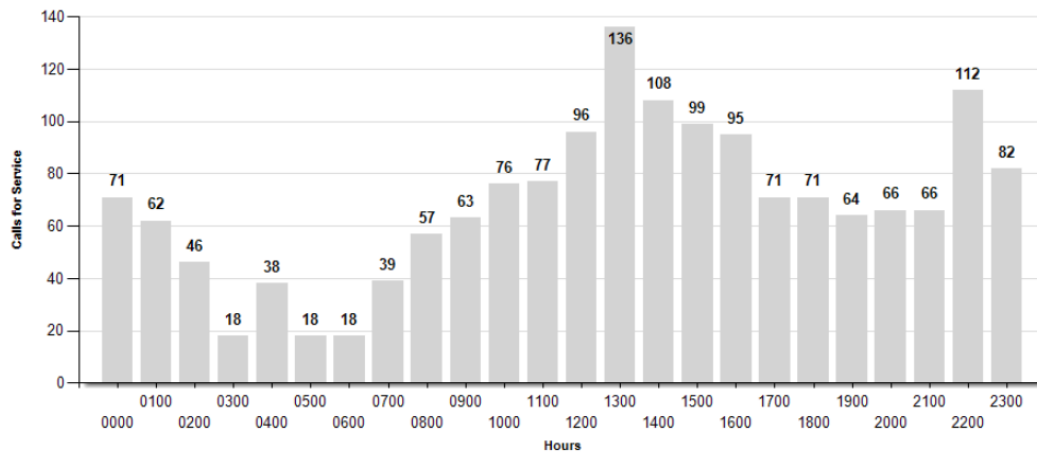
June	2024	2023
Number of Calls for Service	1,649	1,472



Calls for Service Hourly

6/1/2024 to 6/30/2024

Total Calls: 1685

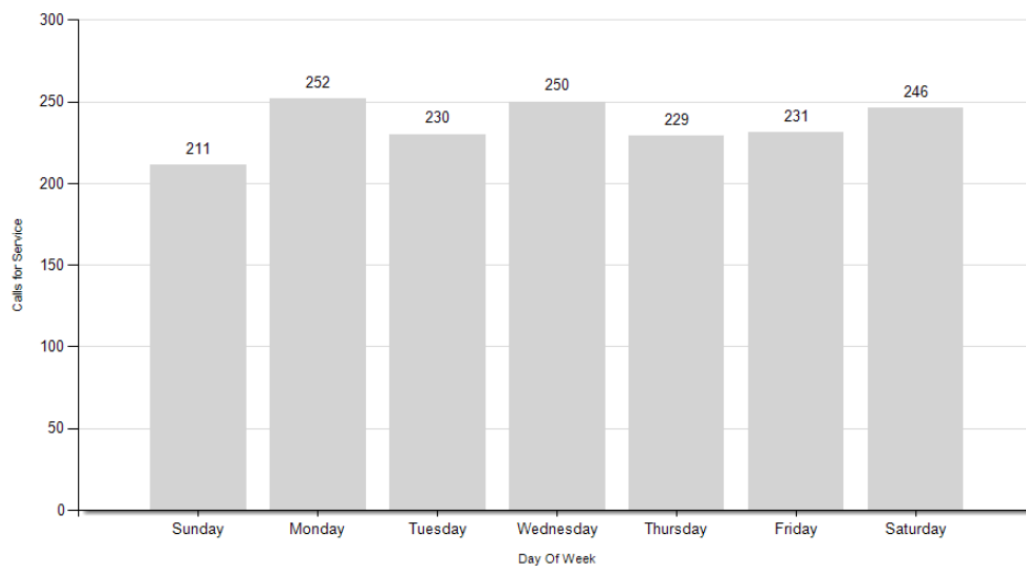


Calls for Service Day Of Week

Start Date: 6/1/2024

End Date: 6/30/2024

Total Calls: 1679



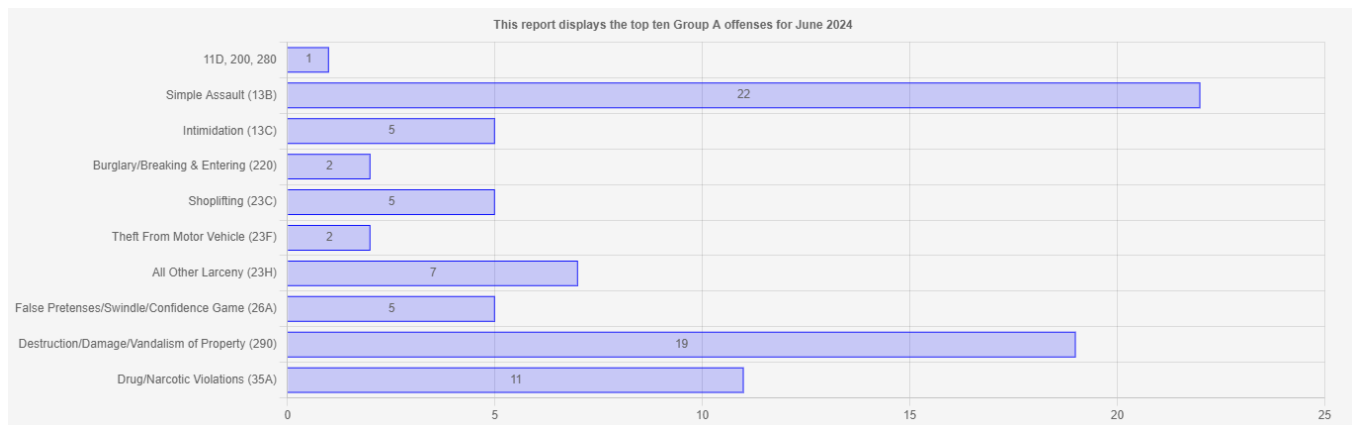
CRIME STATISTICS

Year to Date through Month	2024	2023
Group A Offenses Known or Reported to Police	459	651
Group A and B Arrests	405	381

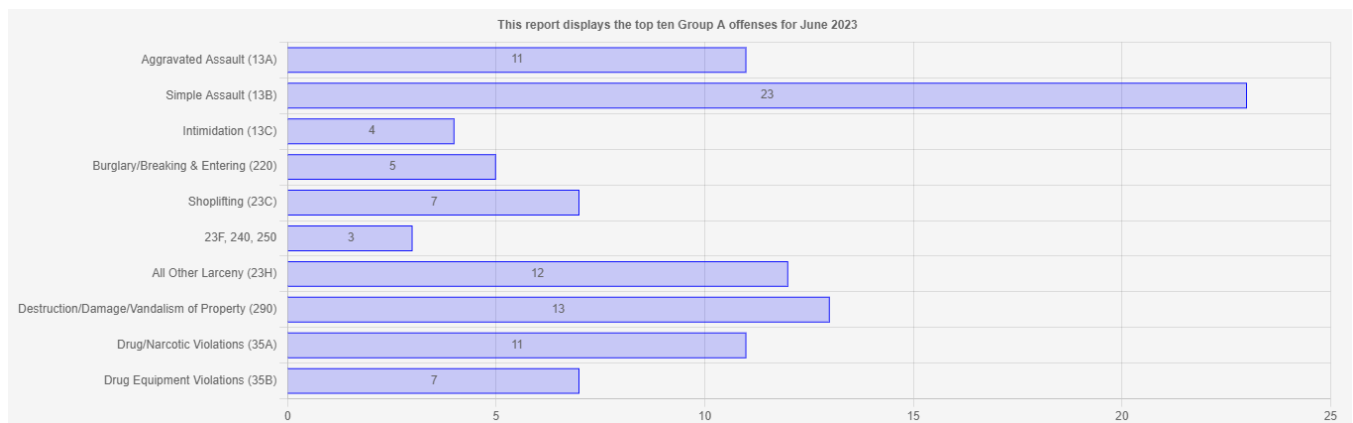
**** Note: 2024 totals do not include case files that have not yet been coded.**

TOP 10 GROUP A OFFENSES

June 2024

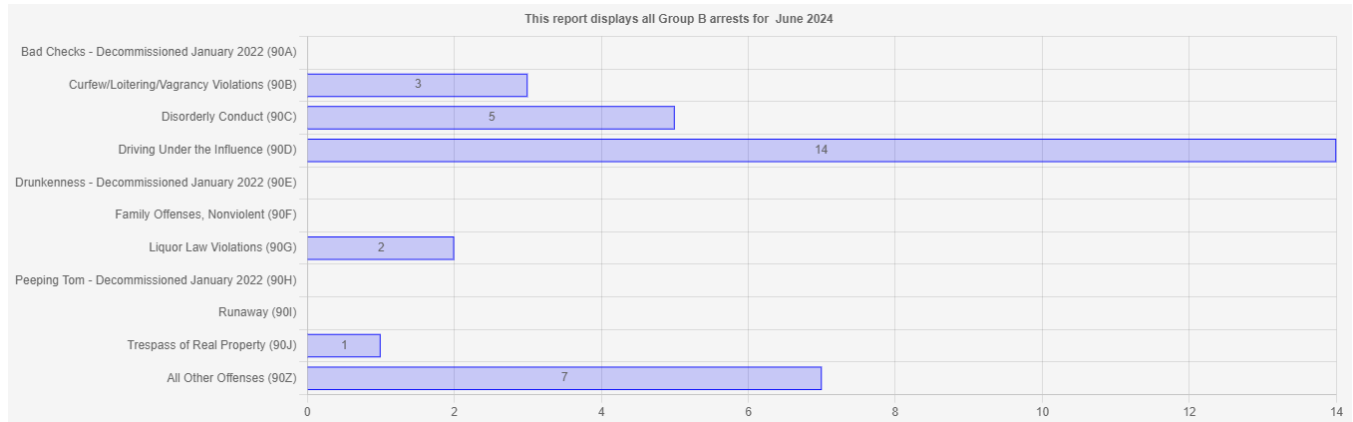


June 2023

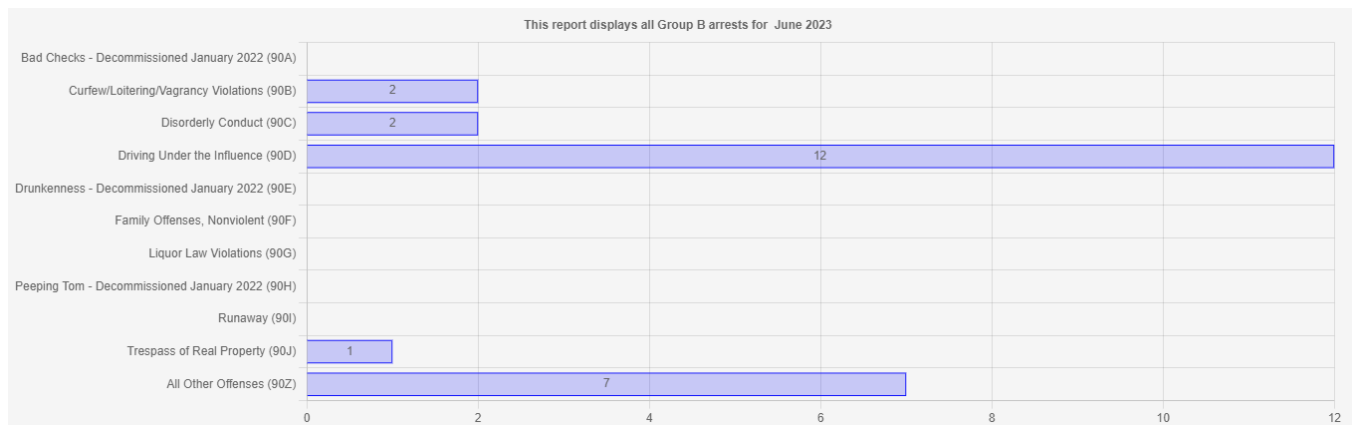


GROUP B ARREST DATA

June 2024



June 2023



CITATIONS, PARKING TICKETS, & WRITTEN WARNINGS

June	2024	2023
Citations (Inc. Parking Tickets & Written Warnings)	176	155

63 parking tickets were issued in the month of June, with the following dispositions.

6	Dismissed
33	Paid in Full
0	Partial Payments Received
24	No Payment Received

Revenue Recapture Receipts:

2023 Total:	\$ 8,046.99
2024 To Date:	\$ 6,351.78

CONDUCT ON PREMISES ACTIVITY REPORT

There were no Conduct on Premises incidents reported in the month of June

COMMUNITY OUTREACH

Brainerd Night Out!

Police Department is helping organize "Brainerd Night Out" This community wide event will be held August 15th, 5:00 pm – 8:00 pm in Gregory Park.

**The Center Donuts**

Officers were able to help at The Center passing out donuts.

Officers visited and made new friends at various parks around Brainerd in the warm weather.





City of Brainerd
IT/GIS Department Monthly Report
June 2024

Projects

- Various strike contingency meetings and preparations
- Re-opening of discussion on airport ownership – revisit implications for IT
- Research regarding policy for artificial intelligence (AI) use on city devices/network
- Initial stages of establishing a system to inventory off-network websites and resources used by staff
- Capital budget planning

Software

- Setup and configuration of GIS software for field data collection and editing
- Continued implementation of IT asset tracking software and ticketing system

Hardware

- Rewired and tested emergency operation center (EOC) connections at Fire Department
- Various police squad support – replacements, video, printing, connectivity, etc
- Ongoing research and demoing security cameras platforms for remote locations (city parks, etc)

Other

- Technical support for numerous meetings – City Council, Park Board, Planning Comm, EDA, etc
- Staff added: Blue Sky Manager, Part-time Admin Assistant
- Staff departed: Police Officer

Statistics

Telephone: total calls 8,558↓ (9,482)

City Hall 3,301 (39%), Police 3,294 (38%), Transit 1,688 (19%), Fire 223 (3%), Public Works 52 (0.5%)

Website: total views 25,055↓ (27,392) users 8,011↑ (7,824)

Top 5 pages: main, parks, leagues, softball, employment

YouTube: City channel views 2,466↓ (2,508), hours watched 231.3↓ (285.6), subscribers +8

Facebook (city): followers 3,351, reach 9,776↓ (8,018), interactions 476↓ (506), posts 19

Email: sent 7,834↓ or 261/day (9,497), received 31,498↓ or 1,050/day (36,963)

Cisco Secure Endpoint: files scanned 8.1M↓ (9.7M) IPs scanned 933k↓ (994K)



COMMUNITY DEVELOPMENT DEPARTMENT REPORT

James Kramvik, CDD

June 2024



BUILDING PERMITS

The Community Development Department issued 70 building permits with a total project valuation of \$576,442 in the month of June. Within the River-to-Rail Corridor, four (4) permits were issued. These improvements resulted in \$981.75 being waived in permit fees.

*Note: project valuation does not include all projects as some permits, such as residential mechanical permits, have a flat fee and are not based on valuation. Therefore, the listed total project valuation is solely based on the permits whose fees are determined by valuation.

Issued Permits for June 2024		
Type Of Permit	# Issued	Total Project Valuation
Commercial – Building – Remodel	3	\$216,692
Commercial – Building – Roofing	1	\$23,350
Commercial – Mechanical – Air Conditioner	1	N/A
Commercial – Mechanical – Furnace/Boiler	1	N/A
Commercial – Plumbing – Remodel	1	\$1,500
Commercial – Plumbing – Water Heater	1	N/A
Engineering – Excavation	3	N/A
Fence	10	N/A
Residential – Building – Accessory Structure	2	\$21,500
Residential – Building – Demolition	2	N/A
Residential – Building – New/Addition	1	\$300,000
Residential – Building – Remodel	2	\$13,400
Residential – Building – Roofing	10	N/A
Residential – Building – Roofing+Garage	3	N/A
Residential – Building – Siding	2	N/A
Residential – Building – Solar Panels	1	N/A
Residential – Building – Windows/Doors	7	N/A
Residential – Engineering – Sewer/Water Repair	1	N/A

Residential – Mechanical – Air Conditioner	5	N/A
1Residential – Mechanical – Furnace+AC	3	N/A
Residential – Mechanical – New/Addition	4	N/A
Residential – Mechanical – Remodel	1	N/A
Residential - Plumbing – New/Addition	2	N/A
Residential – Plumbing – Remodel	1	N/A
Residential – Plumbing – Water Heater	4	N/A

There was one (1) single-family home building permit with a valuation of \$300,000 in the month of June.

BUILDING INSPECTIONS

The Community Development Department conducted 134 building inspections in June.

CODE ENFORCEMENT

The Community Development Department conducted 267 code enforcement inspections and re-inspections in June resulting in violations across the following categories:

CODE ENFORCEMENT INSPECTIONS	
Junk and Debris	40
Outdoor Storage	6
Unlicensed/Inoperable Vehicles	18
Zoning Code Violation	28
Tree Diseased/Dead	8
Accessory Structure Material	1
Exterior Structure	1
Unsafe Structure	1
Garbage	1
Graffiti	1
Grass/Weeds	162
Total = 267	

**Note: With the adoption of Ordinance No. 1524 on April 4th, 2022, Community Development staff have moved to complaint driven enforcement only.*

Direction on Active Code Enforcement Cases

Staff continue to send citations to the following properties as directed by City Council.

- 1) **823 Willow St** – Unlicensed Rental - Issuing \$300 citation monthly for non-licensed rental. Legal action from the City Attorney is taking place.
- 2) **303 J St NE** – Fence - Issuing a \$300 citation each month until the non-permitted fence is corrected.

- 3) **1812 Oak St** – Unlicensed Rental – Issuing a \$300 citation each month for non-licensed rental. Legal action from the City Attorney is taking place with a scheduling conference set for 8/5/24.
- 4) **15284 Beaver Dam Rd** – Illegal discharge of sewage from pole building - Issuing a \$100 citation each day for non-compliant septic. Requested legal action from City Attorney 9/18/23. The property manager applied for and received a rental license on 12/5/23 for the 5-bedroom house that a family was already living in. This rental license will expire 5/31/24 and will not be renewed. Legal action from the City Attorney is taking place.
- 5) **319 N 9th St** – Property Maintenance/ Roof – Issuing a \$300 citation each month until roof is corrected.

RENTAL LICENSES & INSPECTIONS

The Community Development Department issued 103 rental licenses in the month of June. The annual licensing period is June 1 – May 31st.

The Housing Inspector completed 44 rental property inspections and re-inspections in June.

CONTRACTOR REGISTRATION

The Community Development Department issued six (6) contractor registrations in June.

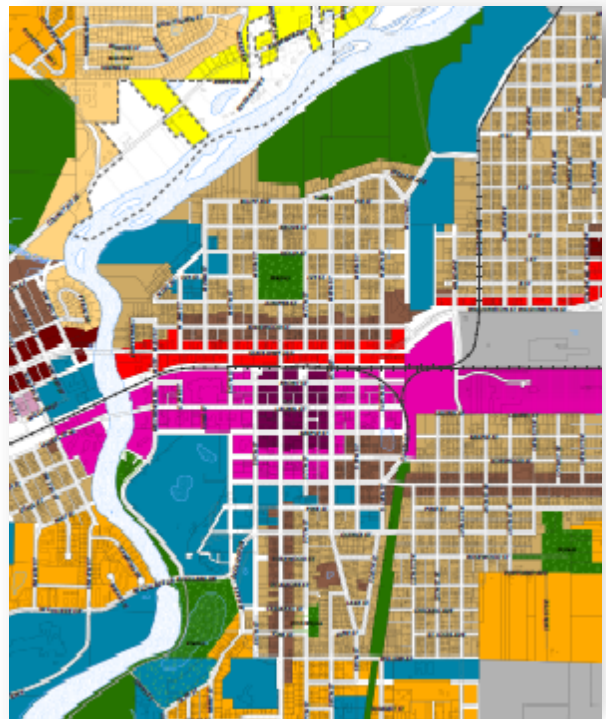
PLANNING AND ZONING

July 17th Planning Commission Agenda

1. Consider a conditional use permit for a Childcare Facility at 418 8th Ave NE for a fence and classroom expansion project.
2. Consider an interim use permit at 1123 15th Ave NE for a short-term rental.
3. Review the Comprehensive Plan Planning Commission Objectives.

Ordinance Revisions

The Planning Commission finalized language for an ordinance that would remove the garage requirement for single family homes and two-to-four-unit buildings. The Planning Commission will be conducting a public hearing at the August 21st meeting.



The Planning Commission also directed staff to begin working on a revision to Section 515-4-2 Building Design Standards of the Zoning Code. New language is needed for better conformity of building materials and design in existing neighborhoods. In addition, staff will review of the allowed use section of the Commercial Corridor District with the potential of allowing mixed-use

buildings similar to the requirements in the Main Street District in which residential units are prohibited on the first floor.

ECONOMIC DEVELOPMENT

Façade Improvement Grant

The EDA approved a façade improvement grant for all commercial/ industrial uses in Brainerd and allocated up to \$20,000 per calendar year to fund eligible projects. The program provides a 50% matching grant for actual construction costs up to \$5,000 per property. The EDA will continue to fund as many projects as possible until the \$20,000 is fully allocated. The EDA agreed to approve a contract with BLAEDC to administer the grant. BLAEDC is advertising the grant and will begin accepting applications on July 15th.

VCV Revised Purchase and Development Agreement and Resolution

The EDA held a special meeting on June 26th to consider a revised purchase and development agreement to extend the construction commencement deadline, revise the minimum improvements for 1918 Thiesse Drive, and noted the transfer of the outstanding membership interests of the developer to Ancheng. The EDA motioned and approved staff to send a letter to VCV indicating they are in default of the PDA. The remedy to the default has not been determined at this time.

PLANNING AND ZONING PROCESSES – CURRENT PROGRESS UPDATE

Address: 1202 6th St S

PZE Process: Conditional Use Permit

Date Issued: 8/2/22

Project Description: Demolish restaurant and install a self-serve ice and water machine. A conditional use permit was needed for a building under 1,000 SQFT.

The applicant has completed the following steps:

- Demolished existing restaurant.
- Cleared the lot of impermeable surfaces.
- Built foundation and installed the self-service Ice Machine.
- Several items are required before certificate of occupancy.

Address: 1918 & 1911 Thiesse Dr.

PZE Process: Interim Use Permit

Date Issued: 9/07/22

Project Description: The operation of a cryptocurrency mining facility, specifically for outdoor storage as a principal use.

Project Progress: No construction has begun at the property and building plans have not been submitted. VCV submitted alternate plans for the construction of a building and was approved by the EDA for the proposed design alteration. VCV will no longer make use of the Interim Use Permit unless a change of scope is approved by the EDA.

Address: PID 41040887 620 3rd St NW

PZE Process: Conditional Use Permit

Date Issued: 10/5/22

Project Description: The applicant proposed the construction of a 12-unit apartment complex.

Project Progress: The applicant has not begun construction.

Address: PID 41040888 610 3rd St NW

PZE Process: Conditional Use Permit

Date Issued: 10/5/22

Project Description: The construction of a health club and boarding house.

Project Progress: The applicant has not begun construction of the facility but has begun site grading.

Address: 15770 Dellwood Dr

PZE Process: Conditional Use Permit

Date Issued: 1/9/23

Project Description: Application to allow for the construction of mini-storage units on the premises.

Project Progress: The applicant has applied for a building permit, but the permit has not yet been issued. The applicant may be exploring other options for the property. The property was sold, and the new owner received a building permit on 7/3/24.

Address: 2424 Business 371

COMPLETED

PZE Process: Variance

Date Issued: 5/18/23

Project Description: The variance requested was to exceed the 12' height limit on signs in the PSP zoning district by 3'.

Project Progress: Upon passage, a permit was filed and issued. The sign has been installed and passed all inspections.

Address: 3 Washington St NE

PZE Process: Variance

Date Issued: 6/2/23

Project Description: Construction of a new Dunkin Donuts:

The first variance request is to allow their main entrance to face the rear yard of the property. Section 515-2-14.C requires the principal façade to front onto an avenue/street for properties in the CC District. The second variance request is to allow a 27'1" principal building front yard setback, a 24' side yard corner setback, and a 66'7" rear yard setback.

Project Progress: The applicant has applied for permits and Nor-Son has been selected for the project. Demo and building permits have been issued and construction is underway.

Address: 431 B St NE

PZE Process: Variance

Date Issued: 5/3/23

Project Description: Requested a 7' corner yard setback for an accessory structure addition.

Project Progress: The applicant has not yet applied for a permit.

Address: 703 Oak St

COMPLETED

PZE Process: Conditional Use Permit

Date Issued: 6/8/23

Project Description: The operation of a Commercial Day Care Facility.

Project Progress: On August 22nd, 2023, Brainerd Family YMCA submitted a Commercial Building New/Addition permit for a \$701,000 renovation in accordance with the conditions set in the Conditional Use Permit. This property is in the River-to-Rail area and qualified for a \$150,000 reduction in the assessed valuation. The permit has been issued and is nearing completion.

Address: 515 9th St. S

PZE Process: Interim Use Permit

Date Issued: Denied

Project Description: The operation of a short-term rental in one unit of the duplex at 515 9th St S.

Project Progress: This permit was denied by the City Council in August and currently no alternative uses other than long-term housing has been proposed by the applicant.

Address: 219 W Laurel St

COMPLETED

PZE Process: Variance

Date Issued: 7/03/23

Project Description: A variance to allow a second accessory structure and to exceed the accessory structure square footage limit of 500 Sq Ft for the construction of a new 24' x 24' garage.

Project Progress: Upon passage of this variance the applicant submitted a permit to construct this accessory structure at the premises on September 1st, 2023. The project was completed and closed 12/15/23.

Address: 203 Hawkins Dr

COMPLETED

PZE Process: Interim Use Permit

Date Issued: 7/20/23

Project Description: The utilization of the property as a short-term rental.

Project Progress: The IUP was approved by the Council on August 21st, the applicants have resumed operation of the short-term rental at the premises.

Address: 11617 Andrew St.

COMPLETED

PZE Process: Variance

Date Issued: 7/31/23

Project Description: A variance to allow the construction of a 6000 SQFT accessory structure, which exceeds the allowed 500 SQFT in the General Commercial Zoning District. The structure will serve as the classroom facility for the American Institute of Nondestructive Testing.

Project Progress: The commercial building permit was issued on 8/31/2023 and was finalized 1/5/24.

Address: 502 Juniper St

COMPLETED

PZE Process: Interim Use Permit

Date Issued: 10/2/23

Project Description: The utilization of the property as a short-term rental.

Project Progress: The IUP was approved by the Council on October 2nd, the applicants have resumed operation of the short-term rental at the premises.

Address: 1202 6th St S

PZE Process: Variance

Date Issued: 11/03/23

Project Description: Allowing the existing Ice producing machine at the premises to be 100% metal sided.

Project Progress: The City Council approved this at their 11/20/23 meeting. Landscaping was done June 1st, 2024 and is nearing completion.

Address: 701 4th St SW

PZE Process: Interim Use Permit

Date Issued: Denied

Project Description: The utilization of the property as a short-term rental.

Project Progress: The IUP application was denied at the January 2nd City Council meeting. The applicant has been approved for a rental license upon proof of a property manager residing within 50 miles of the property. The property has since been sold and is now owner occupied.

Address: 100 Washington St.

PZE Process: Conditional Use Permit

Date Issued: 1/2/2024

Project Description: The utilization of the property as an auto repair shop.

Project Progress: The applicant has applied for a sign permit. The Fire Marshal is working with the property owner and business to bring the building up to fire code.

Address: 524 N 8th St

COMPLETED

PZE Process: Interim Use Permit

Date Issued: 1/2/2024

Project Description: The utilization of the property as a short-term rental.

Project Progress: The applicant has obtained a rental license and is now allowed to operate a short-term rental at the subject property.

Address: 418 8th Ave NE

COMPLETED

PZE Process: Conditional Use Permit

Date Issued: 3/4/2024

Project Description: The utilization of the property as a commercial childcare facility with two Early Head Start Classrooms and a total enrollment of 16 children.

Project Progress: The Conditional Use Permit was approved by the City Council at the April 1st, 2024 meeting. A fence permit was applied for and issued.

Address: PID 41040887 620 3rd St NW

PZE Process: Conditional Use Permit Amendment

Amendment Approved: 3/4/24

Project Description: The applicant proposed the construction of a 12-unit apartment complex.

Project Progress: The applicant has not begun construction. The applicant was approved for a Conditional Use Permit Amendment at the March 4th, 2024, City Council meeting.

Address: PID 41040888 610 3rd St NW

PZE Process: Conditional Use Permit Amendment

Amendment Approved: 4/1/24

Project Description: The construction of a health club and boarding house.

Project Progress: The applicant has not begun construction of the facility but has begun site grading. The applicant was approved for a Conditional Use Permit amendment at the April 1st, 2024 City Council meeting.

Address: PID 41040889 580 3rd St NW

PZE Process: Conditional Use Permit

Date Issued: 3/4/2024

Project Description: The construction of a residential 12-unit multifamily apartment building consisting of two 2-bedroom units and ten studio apartment units.

Project Progress: The Conditional Use Permit was approved by the City Council at the April 1st, 2024 meeting.

Address: 714 7th St S

COMPLETED

PZE Process: Interim Use Permit for a Short-Term Rental

Date Issued: 4/1/24

Project Description: The utilization of the property as a short-term rental.

Project Progress: The applicant has obtained a rental license, and a local agent/contact has been assigned.

Address: 805 Laurel St

PZE Process: Conditional Use Permit and Variance

Date Issued: 4/22/2024

Project Description: To construct a mixed-use multifamily building supporting commercial space along with 45 units of housing.

Project Progress: The developer is awaiting news of the MN Workforce Housing Grant recipients which will most likely be determined in mid-august.

Address: 1101 Pine St

PZE Process: Variance

Date Issued: 5/6/2024

Project Description: To construct a 12' wide concrete street loaded driveway off of Pine Street rather than off the alley to an existing accessory structure.

Project Progress: The property owner is working on the appropriate applications.

Address: 1111 Oak St

PZE Process: Conditional Use Permit and Variance

Date Issued: 5/6/2024

Project Description: To construct a 5+ unit apartment and exceed 20+ DU/AC in the TN-2 District. Variance from the landscape requirements.

Project Progress: The remodel permit has been issued and the property owner is currently working on the property.

Address: 1918 Thiesse Dr

PZE Process: Interim Use Permit for Outdoor Storage

Date Issued: Denied

Project Description: Outdoor storage as a principal use on an industrial lot.

Project Progress:



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Event/Street Closure Application- Brainerd Night Out

AGENDA: Consent

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director **DEPARTMENT:** Public Works

PRESENTER: Jessie Dehn, Public Works Director **ESTIMATED TIME (MIN):**

SUMMARY OF ISSUE: Attached to this item is an application for the Brainerd Night Out event to be held on Thursday, August 15th, 2024. The event will take place from 5 p.m. until 8 p.m. The applicant is requesting closure of Juniper Street from N. 6th Street to N. 7th Street for first responder vehicles. The event is held in cooperation with Brainerd Police.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: The event generally consists of music, games, and food within Gregory Park. Power for music and restrooms would be provided from the park. The organizer would ensure that no litter would be left in the park following the event.

RECOMMENDED ACTION/MOTION: Staff recommends approval of the attached application under the conditions as described in the event application.

FINANCIAL IMPACT: N/A



SPECIAL EVENT APPLICATION

Date of Application: 7/4/24

Event applications can be submitted to the Engineering Department at 501 Laurel Street, Brainerd, MN 56401 or tgage@ci.brainerd.mn.us. Event applications that include a street closure must be submitted at least 30 calendar days prior to the event and will require City Council approval. All other event applications must be submitted at least 14 calendar days prior to the event.

Type of event: ☐ Event – City Parking Lot ☒ Event – City Park
☒ Event with Street Closure ☐ Other _____

Name of event: Brainerd Night Out

Organizer Information

Organizer's Name: Krista Soukup
Organizer's Address: 606 Bluff Ave Brainerd Mn 56401
Event Contact Person: Kirsta Soukup
Event Contact Daytime Phone: 218-828-4717
Event Contact E-mail Address: bluecottageagency@gmail.com
Contact Name/Number Day of Event: Krista Soukup
For Profit/Nonprofit Status (type): NA

Applicant information (if different from the event organizer):

Applicant Name: Mike Kulzer
Applicant Address: 225 E River Rd Brainerd MN 56401
Applicant Phone: 218-825-3478
Applicant E-mail Address: mike.kulzer@ci.brainerd.mn.us

Event Information

Event Details (list each date separately)

Event Date	Start Time	End Time	Event Location(s) – see locations listed below
08/15/2024	5pm	8pm	Gregory Park
			500 and 600 block of Juniper

☐ Recurring event (requires only one application submittal per year)

Event locations (all dimensions are parking lot usable space estimates):

- City Hall Parking Lot (130' x 146')
- Laurel Street Parking Lot (92' x 120')
- Front Street Parking Lot (66' x 125')
- City Street(s) (street closure request information on page 4 MUST be filled out)
- City Park (must contact the Parks & Recreation Department for information)
- Other (specify location above)

Description of Activities

Brief description of the activities planned during the event. If a parade/run/walk event, please describe the proposed route with the assembly and dispersal locations and attach a route map:

Requesting road closure for the 500 and 600 block of Juniper Street

Event will consist of first responder vehicles, music, games and food.

Site Information

Electrical usage

☒

Yes

☐

No

Describe the type of equipment to be used and how you intent to supply the power:

Music will require power. Run power from Gregory Park using extension cords

Amplified Sound

☒

Yes

☐

No

Describe any recording and sound amplification equipment to be used in your event along with the times:

Speakers or amplifiers will be used for music.

Restrooms provided

☐

Yes

☒

No

If yes, how many _____ (a ratio of 1 for every 100-150 people is recommended)

Company contracted for restrooms: **Requesting use of park restrooms**

(if restrooms are provided by neighboring property(s), please submit the location and property owner's signature to verify approval has been granted)

Signs, banners, and/or posters/flyers

☐

Yes

☒

No

Describe the signs, banners, posters, flyers and the locations:

Trash Receptacle Disposal

☐

Yes

☒

No

Company contracted for trash receptacle disposal: Minimal garbage expected, organizer will ensure no litter.

Additional Event Information

Please provide a layout of the event showing booths, tents, staging, amusement, food, etc and provide a street map or park map showing the borders of the event.

Throughout all events, businesses should be reasonably accessible to the public. If a business's entrance is blocked by an event layout, then accommodations such as signage, handbills, or similar methods should be made available to mitigate the impact on customer access.

A \$100/day security deposit for publicly owned spaces ONLY is required (payable by check only). The security deposit will be refunded should the event site be left clean and void of trash and all event items are removed on the last day of the event. An event that does not occur will not have its security deposit refunded except for hazardous weather conditions, as determined by the City of Brainerd.

Street Closure Request Information

Describe the name and sections of the streets for which you are requesting temporary closure
(e.g. South 7th Street between Maple Street and Front Street):

Requesting closure of 500 and 600 block of Juniper Street

Date and time for beginning of street closures: **8/15/2024 5pm**

Date and time for reopening of streets: **8/15/2024 8pm**

Describe how your event preserves customer and residential access for businesses and houses along your proposed street closure (e.g. preserving pedestrian flow along sidewalks). Additional pages may be attached.

Alternative routes available. Event planned for after business hours.

**It does not appear any residence or business will be blocked
by requested road closure.**

While the City continues to treat downtown as a venue for events, event plans must be balanced with the interests and needs of property owners.

If a street closure occurs along residential streets, reasonable efforts must be made to alert all property owners along the street of the proposed closure. All street closures shall be approved by the City Council. Failure to notify property owners and tenants in street closure areas will result in revocation of this permit.

For information regarding a street closure, please contact the City Engineering office at 218-828-2307 or engineer@ci.brainerd.mn.us.

Hold Harmless Agreement and Insurance Information

The Applicant covenants to save, defend, hold harmless, and indemnify the City of Brainerd and all of its officers, departments, agencies, agents, and employees (collectively the "City") from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorney's fees), charges, liability, or exposure, however caused, resulting from, arising out of, or in any way connected with the applicant's event herein described.

The City, at its discretion, may require the Applicant to obtain liability insurance for any event. If liability insurance is required, the following requirements apply:

- Minimum of \$1,000,000 in commercial general liability insurance.
- Applicant's insurance shall be primary.
- Insurance shall cover liability for injury death and property damage including coverage for alcohol related claims if alcohol will be served.
- The insurance policy must be issued by an insurance company licensed to do business in Minnesota acceptable to the City.
- The City must be named as an "Additional Insured" on the policy.
- At least ten (10) days prior to the event, the Applicant must provide to the City a Certificate of Insurance showing the required coverage.

Signature of Event Applicant

I attest that the above information is true and accurate, and I certify under penalties of perjury that I am authorized to execute contracts and other instruments and legally bind the Applicant.

 #703
Signature of Applicant
Mike Kulzer

Print Name

Contacts, Permits, and Fees Checklist

Each event has its own requirements and needs. Listed below is a summary of the permits common to many events. Please note that it is *not* necessary to have all permits approved upon submission of this application. However, this checklist should serve as a guide as you plan your event. *All events must have all permits and fees paid and approved prior to the start of the event.*

The Event Planner is responsible for providing the following (as needed) information:

Permit, License, or Checklist	Yes	Pending	N/A	Contact (See contact information below)
Authorization to use a city park	X			Contact the Parks & Recreation Department for information/procedure.
Fire/EMS/Police support			X	Check yes to request emergency support. The appropriate level of fire, EMS, and police support will be determined based on crowd size and the type of event. Fees may be discussed with the sponsor.
Food and vendor licenses			X	All vendors must apply for a temporary license through the Commissioner of Revenue's Office. Food vendors are required to collect and report meals tax. Contact City Hall for information/procedure.
Health Department Permit			X	All food vendors must apply for a temporary food permit through the Minnesota Health Department (MDH).
Insurance Certificate				May be required before issuing a permit.
Sign/banner Permits			X	Contact the Planning Department for information/procedure.
Parade Permit			X	Issued by the Police Department after complete submission of application.
Alcohol Use Permit			X	Must be approved by City Council after submission of the event application. Contact City Hall for information/procedure.

Contact Information

Administration Department:	(218) 828-2307 | admin@ci.brainerd.mn.us
Parks and Recreation Department:	(218) 828-2320 | parks@ci.brainerd.mn.us
Engineering Department:	(218) 828-2307 | engineer@ci.brainerd.mn.us
Planning Department:	(218) 828-2307 | planning@ci.brainerd.mn.us
Police Department:	(218) 829-2805 | police@ci.brainerd.mn.us
Fire Department:	(218) 828-2312 | fire@ci.brainerd.mn.us
MN Commissioner of Revenue:	(651) 282-5225 | www.revenue.state.mn.us
MN Department of Health	(320) 223-7300 | www.health.state.mn.us
MNDOT Baxter Office	(218) 828-5700 | www.dot.state.mn.us

For Official Use Only

Department Sign-offs Required

Department	Date/Initials	Comments
Brainerd Public Utilities	_____	No comments
City Administration	_____	No comments
Engineering Department	7/10 JD	See condition below
Fire Department	_____	No comments
Fire Support/EMS	_____	No comments
Parks Department	7/10 JD	See condition below
Planning Department	_____	No comments
Police Department	_____	No comments

Event Application Approval

The event as described above is approved subject to any conditions noted on this form or otherwise set forth by the City of Brainerd.

City Administrator

Date

Approval Conditions

1. Applicant contact Public Works one week prior to the event to request traffic control at 218-513-4412.
2. Contingent on Park Board approval of the event application for use of the park.

Certification of Street Closure Approval

The street closure request as described herein was approved by the City Council at their _____, 20__ meeting. Approval is subject to the following condition(s):



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Event/Street Closure Application - First Lutheran Church Summer Picnic/Night Out

AGENDA: Consent

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director **DEPARTMENT:** Public Works

PRESENTER: Jessie Dehn, Public Works Director **ESTIMATED TIME (MIN):**

SUMMARY OF ISSUE: Attached to this item is an application for the First Lutheran Church Summer Picnic/Night Out to be held on Tuesday, August 6th, 2024. The event will take place from 5 p.m. until 7 p.m. The applicant is requesting closure of Norwood Street from S. 7th Street to S. 8th Street. Sidewalks and adjacent streets would remain open to prevent disruption to the residents.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: The event consists of a hot dog feed and games. The church will provide electrical for the hot dog warmers, restrooms, and trash receptacles. Flyers will be handed out to the neighborhood the week of the event. The organizer will also be placing signs in the boulevard adjacent to the street the weekend of the event.

RECOMMENDED ACTION/MOTION: Staff recommends approval of the attached application under the conditions as described in the event application.

FINANCIAL IMPACT: N/A



SPECIAL EVENT APPLICATION

Date of Application: 7-8-2024

Event applications can be submitted to the Engineering Department at 501 Laurel Street, Brainerd, MN 56401 or tgage@ci.brainerd.mn.us. Event applications that include a street closure must be submitted at least 30 calendar days prior to the event and will require City Council approval. All other event applications must be submitted at least 14 calendar days prior to the event.

Type of event: ☐ Event – City Parking Lot
☒ Event with Street Closure ☐ Event – City Park
☐ Other _____

RECEIVED

Name of event: Summer Picnic / National Night Out CITY OF BRAINERD
ADMINISTRATION

Organizer Information

Organizer's Name:

First Lutheran Church

Organizer's Address:

424 South 8th Street

Event Contact Person:

Kelly Beurus

Event Contact Daytime Phone:

(218) 821 9035

Event Contact E-mail Address:

kellybeurus1@gmail.com

Contact Name/Number Day of Event:

Same

For Profit/Nonprofit Status (type):

Non Profit

Applicant information (if different from the event organizer):

Applicant Name:

First Lutheran Church

Applicant Address:

424 S 8th St

Applicant Phone:

(218) 829-9552

Applicant E-mail Address:

office@flicbrainerd.com

Event Information

Event Details (list each date separately)

Event Date	Start Time	End Time	Event Location(s) – see locations listed below
8-6-2021	11:00 AM	1:00 PM	Norwood St. (7th-8th)

☐ Recurring event (requires only one application submittal per year)

Event locations (all dimensions are parking lot usable space estimates):

- City Hall Parking Lot (130' x 146')
- Laurel Street Parking Lot (92' x 120')
- Front Street Parking Lot (66' x 125')
- City Street(s) (street closure request information on page 4 MUST be filled out)
- City Park (must contact the Parks & Recreation Department for information)
- Other (specify location above)

Description of Activities

Brief description of the activities planned during the event. If a parade/run/walk event, please describe the proposed route with the assembly and dispersal locations and attach a route map:

Hotdog feed, games

Site Information

Electrical usage



Yes



No

Describe the type of equipment to be used and how you intent to supply the power:

Hot Dog Wagon (from Church)

Amplified Sound



Yes



No

Describe any recording and sound amplification equipment to be used in your event along with the times:

Restrooms provided



Yes



No

If yes, how many 1 (a ratio of 1 for every 100-150 people is recommended)

Company contracted for restrooms: First Lutheran

(if restrooms are provided by neighboring property(s), please submit the location and property owner's signature to verify approval has been granted)

Signs, banners, and/or posters/flyers



Yes



No

Describe the signs, banners, posters, flyers and the locations:

Flyers handed out in neighborhood - week of
Blvd signed at church - weekend of

Trash Receptacle Disposal



Yes



No

Company contracted for trash receptacle disposal: First Lutheran

Additional Event Information

Please provide a layout of the event showing booths, tents, staging, amusement, food, etc and provide a street map or park map showing the borders of the event.

Throughout all events, businesses should be reasonably accessible to the public. If a business's entrance is blocked by an event layout, then accommodations such as signage, handbills, or similar methods should be made available to mitigate the impact on customer access.

A \$100/day security deposit for publicly owned spaces ONLY is required (payable by check only). The security deposit will be refunded should the event site be left clean and void of trash and all event items are removed on the last day of the event. An event that does not occur will not have its security deposit refunded except for hazardous weather conditions, as determined by the City of Brainerd.

Street Closure Request Information

Describe the name and sections of the streets for which you are requesting temporary closure
(e.g. South 7th Street between Maple Street and Front Street):

Norman St 2 7th to 8th
we'd like a couple of barricades

Date and time for beginning of street closures: Tuesday Aug 6th 5:00 PM

Date and time for reopening of streets: Tuesday Aug 6th 7:00 PM

Describe how your event preserves customer and residential access for businesses and houses along your proposed street closure (e.g. preserving pedestrian flow along sidewalks). Additional pages may be attached.

Sidewalk access to the N side to disruption

While the City continues to treat downtown as a venue for events, event plans must be balanced with the interests and needs of property owners.

If a street closure occurs along residential streets, reasonable efforts must be made to alert all property owners along the street of the proposed closure. All street closures shall be approved by the City Council. Failure to notify property owners and tenants in street closure areas will result in revocation of this permit.

For information regarding a street closure, please contact the City Engineering office at 218-828-2307 or engineer@ci.brainerd.mn.us.

Contacts, Permits, and Fees Checklist

Each event has its own requirements and needs. Listed below is a summary of the permits common to many events. Please note that it is not necessary to have all permits approved upon submission of this application. However, this checklist should serve as a guide as you plan your event. *All events must have all permits and fees paid and approved prior to the start of the event*

The Event Planner is responsible for providing the following (as needed) information:

Permit, License, or Checklist	Yes	Pending	N/A	Contact (See contact information below)
Authorization to use a city park			X	Contact the Parks & Recreation Department for information/procedure.
Fire/EMS/Police support			X	Check yes to request emergency support. The appropriate level of fire, EMS, and police support will be determined based on crowd size and the type of event. Fees may be discussed with the sponsor.
Food and vendor licenses			X	All vendors must apply for a temporary license through the Commissioner of Revenue's Office. Food vendors are required to collect and report meals tax. Contact City Hall for information/procedure.
Health Department Permit			X	All food vendors must apply for a temporary food permit through the Minnesota Health Department (MDH).
Insurance Certificate	x			May be required before issuing a permit.
Sign/banner Permits	X		X	Contact the Planning Department for information/procedure.
Parade Permit				Issued by the Police Department after complete submission of application.
Alcohol Use Permit			X	Must be approved by City Council after submission of the event application. Contact City Hall for information/procedure.

Contact Information

Administration Department:	(218) 828-2307	admin@ci.brainerd.mn.us
Parks and Recreation Department:	(218) 828-2320	parks@ci.brainerd.mn.us
Engineering Department:	(218) 828-2307	engineer@ci.brainerd.mn.us
Planning Department:	(218) 828-2307	planning@ci.brainerd.mn.us
Police Department:	(218) 829-2805	police@ci.brainerd.mn.us
Fire Department:	(218) 828-2312	fire@ci.brainerd.mn.us
MN Commissioner of Revenue:	(651) 282-5225	www.revenue.state.mn.us
MN Department of Health	(320) 223-7300	www.health.state.mn.us
MNDOT Baxter Office	(218) 828-5700	www.dot.state.mn.us

Hold Harmless Agreement and Insurance Information

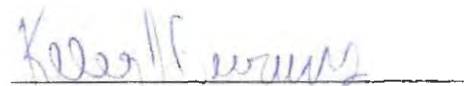
The Applicant covenants to save, defend, hold harmless, and indemnify the City of Brainerd and all of its officers, departments, agencies, agents, and employees (collectively the "City") from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorney's fees), charges, liability, or exposure, however caused, resulting from, arising out of, or in any way connected with the applicant's event herein described.

The City, at its discretion, may require the Applicant to obtain liability insurance for any event. If liability insurance is required, the following requirements apply:

- Minimum of \$1,000,000 in commercial general liability insurance.
- Applicant's insurance shall be primary.
- Insurance shall cover liability for injury death and property damage including coverage for alcohol related claims if alcohol will be served.
- The insurance policy must be issued by an insurance company licensed to do business in Minnesota acceptable to the City.
- The City must be named as an "Additional Insured" on the policy.
- At least ten (10) days prior to the event, the Applicant must provide to the City a Certificate of Insurance showing the required coverage.

Signature of Event Applicant

I attest that the above information is true and accurate, and I certify under penalties of perjury that I am authorized to execute contracts and other instruments and legally bind the Applicant.



Signature of Applicant



Print Name

For Official Use Only

Department Sign-offs Required

Department	Date/Initials	Comments
Brainerd Public Utilities		<u>No comments</u>
City Administration		<u>No comments</u>
Engineering Department	<u>7/10 JD</u>	<u>See conditions below</u>
Fire Department		<u>No comments</u>
Fire Support/EMS		<u>No comments</u>
Parks Department		<u>No comments</u>
Planning Department		<u>No comments</u>
Police Department		<u>No comments</u>

Event Application Approval

The event as described above is approved subject to any conditions noted on this form or otherwise set forth by the City of Brainerd.

City Administrator or Parks & Recreation Director

Date

Approval Conditions

1. Applicant contact Public Works one week prior to the event to request traffic control at 218-513-4412.
2. Applicant to remove any signs from the boulevard after the event concludes.

Certification of Street Closure Approval

The street closure request as described herein was approved by the City Council at their _____, 20____ meeting. Approval is subject to the following condition(s):



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Event/Street Closure Application - Onyenstalk 2: The Ripening Return (Outdoor Concert)

AGENDA: Consent

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director **DEPARTMENT:** Public Works

PRESENTER: Jessie Dehn, Public Works Director **ESTIMATED TIME (MIN):**

SUMMARY OF ISSUE: Attached to this item is an application for the Onyenstalk 2: The Ripening Return Outdoor Concert event to be held on Saturday, August 3rd, 2024. The event will take place from 12 p.m. until midnight. The applicant is requesting closure of S. 10th Street from Laurel Street to Front Street.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: The event application is for an outdoor concert including live music. Power would be supplied from the Play-n-Trade building and would include amplifiers, sound equipment, and stage lighting. The stage would be placed in the street of S. 10th Street. Additional restrooms would be provided by Wruck Sewer. Posters and fliers are proposed to be hung around town and passed out by local businesses.

RECOMMENDED ACTION/MOTION: Staff recommends approval of the attached application under the conditions as described in the event application.

FINANCIAL IMPACT: N/A



SPECIAL EVENT APPLICATION

Date of Application: _____

Event applications can be submitted to the Engineering Department at 501 Laurel Street, Brainerd, MN 56401 or tgage@ci.brainerd.mn.us. Event applications that include a street closure must be submitted at least 30 calendar days prior to the event and will require City Council approval. All other event applications must be submitted at least 14 calendar days prior to the event.

Type of event:

☐
☒

Event – City Parking Lot
Event with Street Closure

☐
☐

Event – City Park
Other _____

Name of event:

Oxygen Stalk 2: The Ripening Return

Organizer Information

Organizer's Name:

Jesse Huber

Organizer's Address:

208 S. 10th St

Event Contact Person:

Jesse Huber or Cassandra Pratt

Event Contact Daytime Phone:

218 - 454 - 7529

Event Contact E-mail Address:

playntrade mn@gmail.com

Contact Name/Number Day of Event:

Jesse or Cassy / 218-454-7529

For Profit/Nonprofit Status (type):

Applicant information (if different from the event organizer):

Applicant Name:

Applicant Address:

Applicant Phone:

Applicant E-mail Address:

RECEIVED

JUL 10 2024

CITY OF BRAINERD
ADMINISTRATION

Event Information

Event Details (list each date separately)

Event Date	Start Time	End Time	Event Location(s) – see locations listed below
August 3 rd	12pm	12pm	208 S. 10 th St

☐ Recurring event (requires only one application submittal per year)

Event locations (all dimensions are parking lot usable space estimates):

- City Hall Parking Lot (130' x 146')
- Laurel Street Parking Lot (92' x 120')
- Front Street Parking Lot (66' x 125')
- City Street(s) (street closure request information on page 4 MUST be filled out)
- City Park (must contact the Parks & Recreation Department for information)
- Other (specify location above)

Description of Activities

Brief description of the activities planned during the event. If a parade/run/walk event, please describe the proposed route with the assembly and dispersal locations and attach a route map:

Live music with a few food vendors

Site Information

Electrical usage



Yes



No

Describe the type of equipment to be used and how you intent to supply the power:

Power will come from the Play N Trade Building.
Amplifiers, sound equipment, stage lighting

Amplified Sound



Yes



No

Describe any recording and sound amplification equipment to be used in your event along with the times:

lighting, Amplifiers, sound mixing equipment

Restrooms provided



Yes



No

If yes, how many 2 (a ratio of 1 for every 100-150 people is recommended)

Company contracted for restrooms: Play N Trade Public Bathroom / Wreck Sewer
(if restrooms are provided by neighboring property(s), please submit the location and property owner's signature to verify approval has been granted)

Signs, banners, and/or posters/flyers



Yes



No

Describe the signs, banners, posters, flyers and the locations:

Posters/Flyers hung up around town and passed out by local businesses

Trash Receptacle Disposal



Yes



No

Company contracted for trash receptacle disposal: [Signature]

Additional Event Information

Please provide a layout of the event showing booths, tents, staging, amusement, food, etc and provide a street map or park map showing the borders of the event.

Throughout all events, businesses should be reasonably accessible to the public. If a business's entrance is blocked by an event layout, then accommodations such as signage, handbills, or similar methods should be made available to mitigate the impact on customer access.

A \$100/day security deposit for publicly owned spaces ONLY is required (payable by check only). The security deposit will be refunded should the event site be left clean and void of trash and all event items are removed on the last day of the event. An event that does not occur will not have its security deposit refunded except for hazardous weather conditions, as determined by the City of Brainerd.

Street Closure Request Information

Describe the name and sections of the streets for which you are requesting temporary closure (e.g. South 7th Street between Maple Street and Front Street):

The curve where Front Street turns into S 10th to the corner where S 10th and Laurel meet

Date and time for beginning of street closures: 8/3/24 @ noon/12pm

Date and time for reopening of streets: 8/4/24 @ midnight/12am

Describe how your event preserves customer and residential access for businesses and houses along your proposed street closure (e.g. preserving pedestrian flow along sidewalks). Additional pages may be attached.

Street closure should not impede traffic to any business or residence.

While the City continues to treat downtown as a venue for events, event plans must be balanced with the interests and needs of property owners.

If a street closure occurs along residential streets, reasonable efforts must be made to alert all property owners along the street of the proposed closure. All street closures shall be approved by the City Council. Failure to notify property owners and tenants in street closure areas will result in revocation of this permit.

For information regarding a street closure, please contact the City Engineering office at 218-828-2307 or engineer@ci.brainerd.mn.us.

Hold Harmless Agreement and Insurance Information

The Applicant covenants to save, defend, hold harmless, and indemnify the City of Brainerd and all of its officers, departments, agencies, agents, and employees (collectively the "City") from and against any and all claims, losses, damages, injuries, fines, penalties, costs (including court costs and attorney's fees), charges, liability, or exposure, however caused, resulting from, arising out of, or in any way connected with the applicant's event herein described.

The City, at its discretion, may require the Applicant to obtain liability insurance for any event. If liability insurance is required, the following requirements apply:

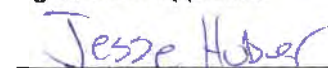
- Minimum of \$1,000,000 in commercial general liability insurance.
- Applicant's insurance shall be primary.
- Insurance shall cover liability for injury death and property damage including coverage for alcohol related claims if alcohol will be served.
- The insurance policy must be issued by an insurance company licensed to do business in Minnesota acceptable to the City.
- The City must be named as an "Additional Insured" on the policy.
- At least ten (10) days prior to the event, the Applicant must provide to the City a Certificate of Insurance showing the required coverage.

Signature of Event Applicant

I attest that the above information is true and accurate, and I certify under penalties of perjury that I am authorized to execute contracts and other instruments and legally bind the Applicant.



Signature of Applicant



Print Name

Contacts, Permits, and Fees Checklist

Each event has its own requirements and needs. Listed below is a summary of the permits common to many events. Please note that it is *not* necessary to have all permits approved upon submission of this application. However, this checklist should serve as a guide as you plan your event. *All events must have all permits and fees paid and approved prior to the start of the event.*

The Event Planner is responsible for providing the following (as needed) information:

Permit, License, or Checklist	Yes	Pending	N/A	Contact (See contact information below)
Authorization to use a city park			X	Contact the Parks & Recreation Department for information/procedure.
Fire/EMS/Police support			X	Check yes to request emergency support. The appropriate level of fire, EMS, and police support will be determined based on crowd size and the type of event. Fees may be discussed with the sponsor.
Food and vendor licenses		X		All vendors must apply for a temporary license through the Commissioner of Revenue's Office. Food vendors are required to collect and report meals tax. Contact City Hall for information/procedure.
Health Department Permit		X		All food vendors must apply for a temporary food permit through the Minnesota Health Department (MDH).
Insurance Certificate	x			May be required before issuing a permit.
Sign/banner Permits	X			Contact the Planning Department for information/procedure.
Parade Permit			X	Issued by the Police Department after complete submission of application.
Alcohol Use Permit			X	Must be approved by City Council after submission of the event application. Contact City Hall for information/procedure.

Contact Information

Administration Department:	(218) 828-2307 | admin@ci.brainerd.mn.us
Parks and Recreation Department:	(218) 828-2320 | parks@ci.brainerd.mn.us
Engineering Department:	(218) 828-2307 | engineer@ci.brainerd.mn.us
Planning Department:	(218) 828-2307 | planning@ci.brainerd.mn.us
Police Department:	(218) 829-2805 | police@ci.brainerd.mn.us
Fire Department:	(218) 828-2312 | fire@ci.brainerd.mn.us
MN Commissioner of Revenue:	(651) 282-5225 | www.revenue.state.mn.us
MN Department of Health	(320) 223-7300 | www.health.state.mn.us
MNDOT Baxter Office	(218) 828-5700 | www.dot.state.mn.us

Department Sign-offs Required

Department	Signature	Comments
Brainerd Public Utilities		No comments
City Administration		No comments
Engineering Department	7/11 JD	See conditions below
Fire Department		No comments
Fire Support/EMS		No comments
Parks Department		No comments
Planning Department		No comments
Police Department	7/11 JD	See conditions below

Event Application Approval

The event as described above is approved subject to any conditions noted on this form or otherwise set forth by the City of Brainerd.

City Administrator

Date

Approval Conditions

1. Request traffic control materials one week prior to event. Request can be made at 218-513-4412.
2. Hire 1 Brainerd Police officer for security from 8 p.m. until 12 a.m. at the applicant's expense.

Certification of Street Closure Approval

The street closure request as described herein was approved by the City Council at their _____, 20__ meeting. Approval is subject to the following condition(s):





City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Dangerous Dog Hearing

AGENDA:

ACTION REQUESTED: Discussion Item

SUBMITTED BY:

DEPARTMENT: Administration

PRESENTER:

ESTIMATED TIME (MIN):

SUMMARY OF ISSUE: The City received a request on July 2nd, 2024, from Patricia Davis requesting a hearing regarding her dog Lenny. Pursuant to Brainerd City Code 900.25 Subd. 4(C), the City Administrator shall place the matter before the City Council at its next regular meeting. Further, it states that the owner may present evidence in opposition to the potentially dangerous dog designation and the Animal Control Officer shall present evidence to the Council that supports the designation. Attached is the Notice of Potentially Dangerous Dog, the Incident Report from the Police Department, a summary of the issue from Animal Control Officer O'Brien.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: Following the hearing, the City Council shall make a determination of the facts and issue an order on whether the animal is properly characterized as dangerous. If deemed dangerous, the City Council must determine the outcome for the animal per City Code 900.25 & 900.27.

RECOMMENDED ACTION/MOTION: Conduct the dangerous dog hearing and make a determination of the facts and issue an order whether the animal is properly characterized as dangerous.

FINANCIAL IMPACT:

**BRAINERD POLICE DEPARTMENT
NOTICE OF DANGEROUS DOG**

Date of Notification: 07-01-2024

ICR #: 24009042

OWNER:

Full Name: PATRICIA ANN DAVIS

Date of Birth: 06-13-1968

Address: 808 3RD AVE NE (First, Middle, Last)

Home Phone #: 218-828-8563

City/State/Zip: BRAINERD, MN 56401

Alternate/Cell Phone #: _____

ANIMAL:

Name of Animal: LENNY

Sex: M

Altered: ☐ Yes ☐ No

Age: 4YR

Breed: MIXED-HUSKY/LAB

Color(s): BLACK/WHITE

Markings: N/A

Dog previously classified as Potentially Dangerous? ☐ Yes ☒ No

Date of Previous Incident: N/A

INCIDENT:

Date of Incident: 06-27-2024

Time of Incident: 1046

Location of Incident 808 3rd AVE NE BRAINERD, MN 56401

Parties or Animals Bitten: CHARLOTTE M FLINK DOB 09-06-2013

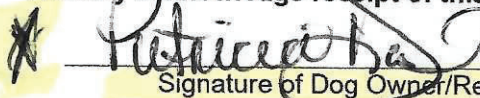
You are hereby placed on notice that your dog has been defined by Minnesota State Statute 347.50 as Dangerous.

- ☒ On above date, said dog, without provocation, inflicted substantial bodily harm on a human being on public or private property.
- ☐ On above date, said dog killed a domestic animal without provocation while off the owner's property.
- ☐ On above date, after said dog had been found to be potentially dangerous and the owner was duly notified, said dog aggressively bit, attacked, or endangered the safety of humans or domestic animals.

You must register your DANGEROUS DOG by completing the attached *Dangerous Dog Registration* form and returning it to our office within 14 days of this notification. Failure to comply with the State Statute regarding dangerous dogs is a crime and may result in a criminal charge and your dog being confiscated and confined at your expense.

Pursuant to Brainerd City Ordinance 900.25, you may request a hearing before the City Council to determine the validity of the Dangerous Dog declaration by completing the attached *Dangerous Dog Request for Hearing* form and returning it to our office within 10 days of this notification. If a hearing is requested, the owner must immediately comply with the requirements of Minnesota State Statute 347.52, paragraphs (a) and (c), until such time as the Council issues an opinion. If the Council affirms the Dangerous Dog declaration, the owner will have 14 days from the receipt of that decision to comply with all other requirements of Minnesota State Statutes 347.51, 347.515 and 347.52 and/or Brainerd City Ordinance 900.27. All costs incurred for confining, impounding and/or disposing of the animal are the responsibility of the owner.

I hereby acknowledge receipt of this Notice of Dangerous Dog.


Signature of Dog Owner/Representative

07/01/2024
Date

MICHAEL R O'BRIEN ACO

07-01-2024



BRAINERD POLICE DEPARTMENT

INCIDENT REPORT

ICR# 24009042	AGENCY ORI# MN0180100	JUVENILE: ☒ Juvenile Involved
Reported: 06-27-2024 1046 First Assigned: 1049 First Arrived: 1054 Last Cleared: 1205 Committed Start: Committed End: Title: Animal Bite Dog How Received: Phone Short Description: Reports dog bite. Child at ER. Animal control advised and en route. See report. Summary: Animal bite. Location(s) Address: 808 3rd Ave NE City: Brainerd State: MN Zip: 56401 Country: US		
Officer Assigned: Boggs, Rachel Badge No: 710 Primary: Yes		
Involvement: Owner Name: Davis, Patricia Ann DOB: 06-13-1968 Age: 56 Sex: F Race: W Height: 507 Weight: 180 Address: (Residence) 808 3rd Ave NE City: Brainerd State: MN Zip: 56401 Country: US Phone: (Home) (218)828-8563 Eye Color: BLU ID Number(s) ID Type: Drivers License ID #: XXXXXXXXXXXXX State: MN Year: Class:		
Involvement: Reported By Name: Essentia Health St Josephs Medical Center Address: (Business) 523 N 3rd St City: Brainerd State: MN Zip: 56401 Country: US Phone: (Home) (218)829-2861 Phone: (Work) (218) 829-2861 Phone: (Fax) (218)829-2861 Eye Color: BLU		
Involvement: Parent Name: Bourgoyn, Monica Lynn DOB: 11-21-1982 Age: 41 Sex: F Race: Height: 0 Weight: 0 Address: (Residence) 207 Roosevelt Rd S City: Onamia State: MN Zip: 56359 Country: US Phone: XXXXXXXXXX		

Supplemental Report

ICR: 24009042**Last Modified:** 06-27-2024 1531**Title:** 710 Report**Created By:** Rachel Boggs

On 6/27/2024 at approximately 1046 hours, Officer Boggs was advised of an animal bite at 808 3rd Avenue Northeast. Staff at Essentia Health St Joseph's ER reported that an a juvenile female, [REDACTED], was bitten on the top of the head by a lab/husky mix dog while at daycare. The daycare was operated by Patricia Ann Davis, 6/13/1968.

Dispatch advised Boggs that Animal Control would be notified. Boggs contacted Mike O'Brien from Animal Control a short time later to verify that he was aware of the incident. O'Brien informed Boggs that he was aware and en route to the ER.

Boggs was contacted by O'Brien later and advised that he needed photos of [REDACTED]'s injuries and that he was en route to Davis's residence on 3rd Avenue to verify vaccination records on the dog.

Boggs went to the ER and met with [REDACTED]. [REDACTED] was accompanied by a second cousin, who provided Boggs with contact information for Monica Lynn Bourgoïn, [REDACTED]. Bourgoïn is [REDACTED]'s mother.

Boggs called Bourgoïn. Bourgoïn was aware of the dog bite and that [REDACTED] was in the ER. Bourgoïn gave Boggs permission to take photos of [REDACTED]'s injuries. Boggs advised Bourgoïn that Animal Control would also likely contact her in the near future.

Boggs took photos of the laceration to the top of [REDACTED]'s head as well as a small puncture on the left side of [REDACTED]'s cheek.

Boggs was advised that [REDACTED] would likely have five stitches to close the wound and were waiting on information from O'Brien about the dog's vaccination records.

As Boggs cleared the ER, O'Brien advised Boggs that he confirmed that the dog was current on vaccinations and that he would contact the ER and inform them. O'Brien also stated that he advised Davis that the dog would likely be declared as "potentially dangerous".

Report for information.

End of report. Officer Boggs, #710.

On 06-27-2024 at approximately 1051 am Animal Control Officer Michael O'Brien (O'Brien) was advised of a dog bite on a female juvenile at 808 3rd Ave Ne by Crow Wing County Sheriffs Department Dispatch. O'Brien was advised that the victim was bitten on the head, and she would require medical treatment, and she was already at Essentia Health St Joseph's ER. While en route to the ER O'Brien was contacted by Officer Boggs of the Brainerd Police Department to see if he needed anything from the PD.

O'Brien met the victim (Charlotte [REDACTED]) at the ER and learned that she was from out of town but staying in Brainerd for the week with her cousins. She was attending daycare with her cousins while she was in town. When asked how she received the injuries to her head [REDACTED] stated that she and other kids were playing in a sandbox at the daycare when a large black dog sat or laid on top of another young boy. The boy pushed on the dog to get it off him and the dog bit her.

[REDACTED] had a large laceration on the top of her head and a smaller laceration on the side of her face/upper cheek area on the left side. The nurse advised O'Brien that [REDACTED] would be getting at least 5 stitches in her scalp.

O'Brien left the ER and headed to the home where the incident occurred. While enroute, O'Brien contacted Officer Boggs and advised her we would need photos of the injuries- more than what the ER had and would provide, and she stated that she would head right over to the ER and get them.

O'Brien arrived at the home/daycare and immediately observed several young children playing in the backyard and 2 large dogs in the back yard with them. Patricia Davis, the owner of the home/daycare met O'Brien at the gate. O'Brien advised Davis he was investigating a dog bite and asked her where the dog in question was. She stated that it was the black dog in the yard with the kids.

When O'Brien asked why she didn't separate the dog from the kids since it had just bitten a child Davis stated that "Lenny" was a great dog, and he would never do that again. O'Brien was able to confirm that Lenny was current on his rabies vaccine and advised Davis that she should move Lenny inside and away from the kids. Again, Davis stated that Lenny would never bite a child, but did place him inside the home.

O'Brien asked Davis if she had seen the incident and she stated that she had. She stated that Lenny was playing with the kids when he went into the sand box and laid on top of a boy. The boy tried to push Lenny off him with both hands and Lenny bit Charlotte on the head.

O'Brien advised Davis that she needed to have both dogs licensed and would need to quarantine Lenny on her property for 10 days, as is required after a bite on a person. Davis was also informed that Lenny would be declared a "DANGEROUS DOG or POTENTIALLY DANGEROUS DOG under Minnesota state statutes, and explained briefly what that would mean. Davis again was adamant that Lenny was a great dog, and he would never hurt anyone on purpose.

After speaking with LT. Kulzer of the Brainerd Police Department it was decided that Lenny met the definition of DANGEROUS DOG under the standard that he "without provocation inflicted substantial bodily harm on a human being on public or private property."

O'Brien informed Davis that he would be declaring Lenny a DANGEROUS DOG and he provided her that paperwork. O'Brien explained her options and Davis stated that she wished to contest the declaration. She furnished the "request for a hearing" paperwork to O'Brien and he submitted it to the Brainerd Police Department.

End of report

Michael O'Brien ACO

To whom this may concern,

I Patricia Davis would like to take this opportunity to talk you about a child being bit by my dog Lenny.

This entire situation has been incredibly heart breaking for everyone involved. Lenny is all around a very loving,happy and goofy boy,in the 4yrs (his whole life) that we have had him he has been with kids everyday during the week and he loves them all very much.when he see the children start to walk up to the yard his body starts to wiggle like a worm he gets so happy.

Unfortunately Lenny was provoked in to the bite, another child did push him really hard which led him to being startled or being hurt and that led into Charlott being bit. Lenny has never done anything like this before. In prevention I would be more then willing to muzzle him during the opperating hours of my daycare.

In the light of those very sad and unfortunat circumstance, many of my daycare parents,children, family and friends are willing to make statements to help prove what a sweet loving boy Lenny is all the time.we would all be heart broken to find Lenny can't be with the ones he loves.

Thank you for taking your time to read my letter,please understand that this was all an accident and we are and will do anything in our power to ensure this will never happen again

Subject: Fwd: I LOVE LENNY
Date: July 11, 2024 at 9:59 AM CDT
From: Patti Davis<mommarox1968@gmail.com>
To: tpdavis@charter.net

----- Forwarded message -----

From: **Megan Christensen** <mkv42024@gmail.com>
Date: Tue, Jul 9, 2024, 11:08 AM
Subject: I LOVE LENNY
To: mommarox1968@gmail.com <mommarox1968@gmail.com>, turtlelover2012@hotmail.com <turtlelover2012@hotmail.com>

To whom it may concern,

Lenny is seriously one of the most friendly and loving dogs I have ever met. I did rescue for a few years and am a dog owner myself.

His behaviors and personality are unbeatable.

It was our son who pushed Lenny as he got mad and acted before thinking. Our son feels awful about the incident and he stated he would feel even worse if anything further happened to Lenny.

When I pick up our son from daycare Lenny is always overly excited to see everyone. And he is SO gentle and loving with kids of any age.

Lenny is so very loved and quite honestly daycare would not be the same without his fun loving personality. ❤️

Thank you,

Megan and Keegan Voss

To whom it may Concern,

It is sad and disappointing that the character of Lenny is being questioned. I have been neighbors to the Daviss^N my whole life and have seen Lenny since he was a puppy. I have seen him age throughout the years at the day care too. Lenny has been an incredibly sweet dog to these young daycare kids for years. I have seen them be more than rough to him on many occasions and he has been patient and non-reactive in every case. I have seen him with the kids. It is always a sweet sight seeing him walk around the yard, sunbathe and be a affectionate dog to the daycare kids. When I have walked over to say hello and bring him and Moose a dog treat he sits politely and always gives my hand kisses. It would be extremely disappointing and in my opinion unfair that an extreme circumstance mistake would follow him and possibly cause him harm. I urge you to understand his friendly, fun and comforting presence in and outside the daycare setting.

Sincerely,

Nicole Benson

Nicole Benson

To whom it may Concern,

I am writing you on behalf of Patti Davis, I went to her daycare from the time I was 3 until I was 13. I am now 28 with 3 Kids of my own.

I have brought my kids to visit Patti, her Kids and dogs on multiple occasions. Patti's dogs Moose and Lenny have always been the most gentle dogs I've ever met.

My kids are 7, 5 and 1 so they're not the most gentle yet with animals but Moose and Lenny were so patient, loving, and cautious with them.

Sydney

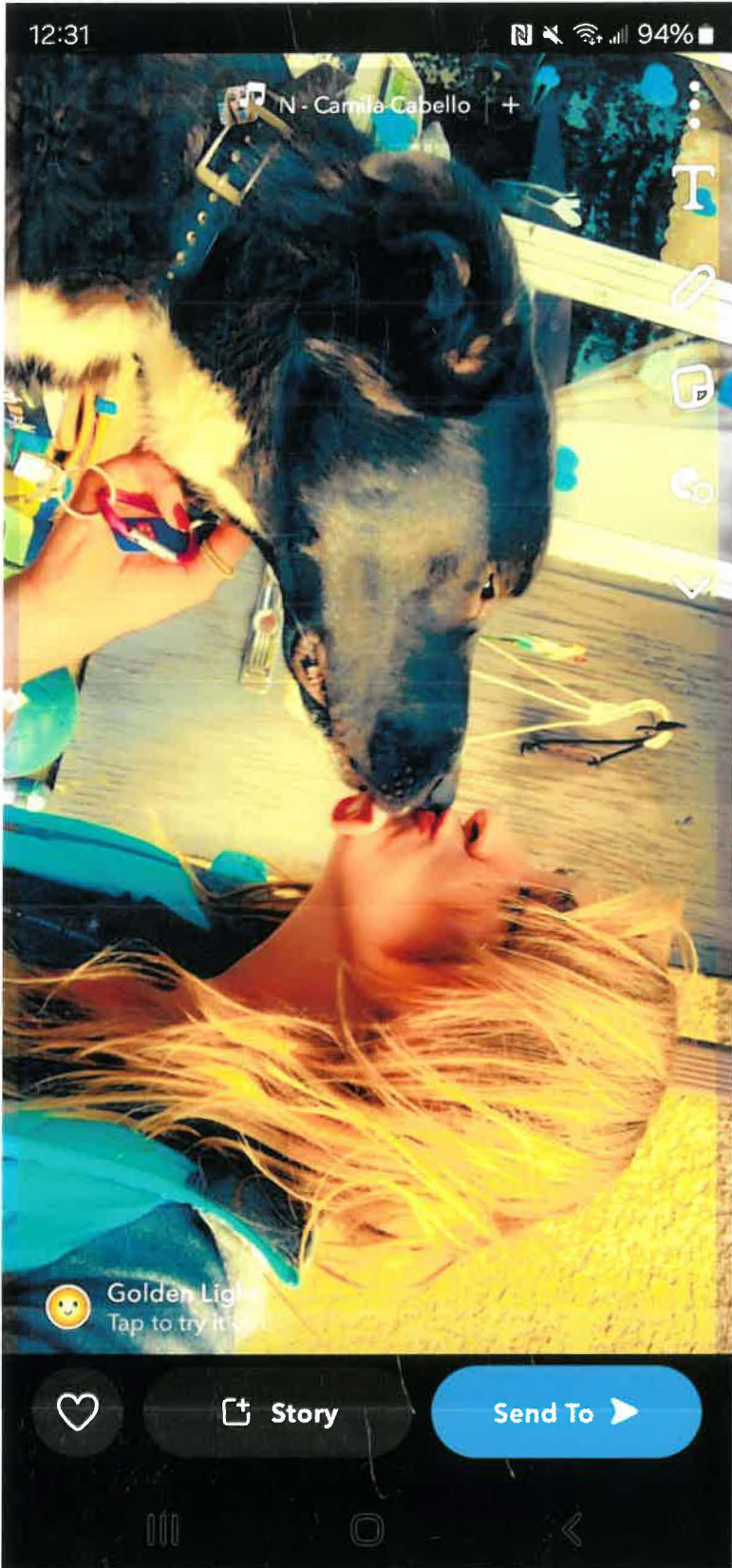
I also know from personal experience Patti would NEVER ever-ever put her daycare kids in harms way. Patti has loved every one of us past kids like her own. Still to this day she is one of my main bonus moms. I can count on her for anything.

Patti has spent countless hours training Moose and Lenny to love, care and protect all of her kids. I know with my whole heart Moose and Lenny would never hurt a child on purpose, or with ill intent.

Thank you for listening

Sydney Auchter (Liebeg)

I would also like
to share a few
pictures with you
all of Lenny with
family, friends, and
kids.













City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Final Pay Request - SW 4th Street Outfall Repair

AGENDA: SPW Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director

DEPARTMENT: Public Works

PRESENTER: Jessie Dehn, Public Works Director

ESTIMATED TIME (MIN): 2 Minutes

SUMMARY OF ISSUE: Attached to this item is a final pay request for the repair project completed on the storm sewer outfall on SW 4th Street last year. As a reminder, this was an emergency repair completed due to a significant washing out of the riverbank, putting street and utility infrastructure as well as public safety in immediate risk. Staff worked with the Council to execute contracts with Bolton & Menk to prepare repair plans and solicit them to contractors. Landwehr Construction was the lowest responsible bidder selected for the work, with a total bid of \$163,550.30. The final pay request is in the amount of \$1,573.98, totaling \$157,397.80 for the contract.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: In total, overall costs for the emergency repair project are as follows:

- DeChantal Temporary Repair Costs = \$42,199.50
- Bolton & Menk Engineering Costs = \$70,892.80
- Concrete Pipe = \$18,814.18
- Construction Costs = \$157,397.80
- Total Costs = \$289,304.28

The area has re-established sufficiently. However, due to the continued high flooding with the Mississippi River, staff is unable to view how the repair has held up to elevated river flows. We will continue to monitor the area once river levels recede to ensure that the repair holds appropriately.

RECOMMENDED ACTION/MOTION: Staff recommends approval of the final pay request to Landwehr Construction in the amount of \$1,573.98.

FINANCIAL IMPACT: \$1,573.98

Pay Estimate No.:

4th Street SW Stormwater Outfall

City of Brainerd, MN

BMI PROJECT NO. 0B1.131776

2

WORK COMPLETED THROUGH 10/30/2023

ITEM NO.	ITEM	UNIT PRICE	AS BID		PREVIOUS ESTIMATE		COMPLETED TO DATE	
			ESTIMATED QUANTITY	ESTIMATED AMOUNT	ESTIMATED QUANTITY	ESTIMATED AMOUNT	ESTIMATED QUANTITY	ESTIMATED AMOUNT
1	MOBILIZATION	\$41,000.00	1	LUMP SUM	\$41,000.00	1	LUMP SUM	\$41,000.00
2	REMOVE & DISPOSE POLY TARP, TIRES, AND DEBRIS	\$5,000.00	1	LUMP SUM	\$5,000.00	1	LUMP SUM	\$5,000.00
3	REMOVE CASTING	\$325.00	1	EACH	\$325.00	1	EACH	\$325.00
4	REMOVE BITUMINOUS PAVEMENT	\$65.00	5.0	SQ YD	\$325.00	8.5	SQ YD	\$552.50
5	REMOVE CURB & GUTTER	\$16.00	20	LF	\$320.00	38	LF	\$608.00
6	REMOVE TEMPORARY HDPE PIPE CULVERT	\$30.00	105	LF	\$3,150.00	105	LF	\$3,150.00
7	COMMON EXCAVATION (CV) (P)	\$45.00	100	CU YD	\$4,500.00	100	CU YD	\$4,500.00
8	COMMON EXCAVATION OF SEDIMENT IN RIVER (LV)	\$25.00	884	CU YD	\$22,100.00	558	CU YD	\$13,950.00
9	CONCRETE CURB & GUTTER, DESIGN B618	\$65.00	20	LF	\$1,300.00	38	LF	\$2,470.00
10	BITUMINOUS PATCH	\$1,100.00	5	SQ YD	\$5,500.00	8.5	SQ YD	\$9,350.00
11	STABILIZED CONSTRUCTION ENTRANCE	\$500.00	1	EACH	\$500.00	0	EACH	\$0.00
12	COMMON TOPSOIL BORROW (LV)	\$75.00	100	CU YD	\$7,500.00	108	CU YD	\$8,100.00
13	SEDIMENT CONTROL LOG, WOOD CHIP	\$7.40	400	LF	\$2,960.00	200	LF	\$1,480.00
14	ROLLED EROSION CONTROL PREVENTION PRODUCT, CATEGORY 60	\$8.60	500	SQ YD	\$4,300.00	500	SQ YD	\$4,300.00
15	ROLLED EROSION CONTROL PREVENTION PRODUCT, CATEGORY 30	\$5.60	600	SQ YD	\$3,360.00	320	SQ YD	\$1,792.00
16	ROLLED EROSION CONTROL PREVENTION PRODUCT, CATEGORY 72	\$45.00	100	SQ YD	\$4,500.00	100	SQ YD	\$4,500.00
17	FERTILIZER TYPE 3 @ 200 LB/ACRE	\$1.10	23	LBS	\$25.30	23	LBS	\$25.30
18	SEEDING, INCL SEED (MNDOT SEED MIX 35-241) @ 32.5 LB/ACRE	\$18.50	4	LBS	\$74.00	4	LBS	\$74.00
19	SEEDING, INCL SEED (MNDOT SEED MIX 21-111) @ 100 LB/ACRE	\$1.50	12	LBS	\$18.00	12	LBS	\$18.00
20	SEEDING, INCL SEED (MNDOT SEED MIX 22-111) @ 30.5 LB/ACRE	\$5.00	4	LBS	\$20.00	4	LBS	\$20.00
21	DUCKBILL ANCHOR	\$190.00	50	EACH	\$9,500.00	40	EACH	\$7,600.00
22	DECIDUOUS TREE 2" CAL B&B	\$1,350.00	6	EACH	\$8,100.00	6	EACH	\$8,100.00
23	CONNECT TO EXISTING STORM SEWER	\$1,695.00	1	EACH	\$1,695.00	1	EACH	\$1,695.00
24	INSTALL 24" RCP	\$70.00	79	LIN FT	\$5,530.00	79	LIN FT	\$5,530.00
25	INSTALL 24" RCP PIPE APRON	\$1,110.00	1	EACH	\$1,110.00	1	EACH	\$1,110.00
26	INSTALL DRAINAGE STRUCTURE DESIGN 48-4020	\$335.00	45.20	LF	\$15,142.00	45.2	LF	\$15,142.00
27	CASTING ASSEMBLY NEENAH R-1733	\$970.00	3.00	EACH	\$2,910.00	3	EACH	\$2,910.00
28	CASTING ASSEMBLY NEENAH R-3075	\$1,230.00	1.00	EACH	\$1,230.00	2	EACH	\$2,460.00
29	GEOTEXTILE FABRIC	\$11.95	80	SQ YD	\$956.00	80	SQ YD	\$956.00
30	RANDOM RIP-RAP CLASS IV	\$150.00	52	CU YD	\$7,800.00	60	CU YD	\$9,000.00
31	FILTER AGGREGATE	\$140.00	20	CU YD	\$2,800.00	12	CU YD	\$1,680.00
TOTAL AMOUNT:			TOTAL AMOUNT:		\$163,550.30	\$157,397.80		\$157,397.80



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Final Pay Request - Imp 21-17 Lum Park SPRA Reconstruction Project

AGENDA: SPW Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director

DEPARTMENT: Public Works

PRESENTER: Jessie Dehn, Public Works Director

ESTIMATED TIME (MIN): 2 Minutes

SUMMARY OF ISSUE: Attached to this item is a final pay request for the Lum Park reconstruction project completed last year. This project was funded partially through the MnDNR State Park Road Account grant. The contractor, Anderson Brothers, has completed the work and the final turf establishment that staff was waiting on in 2024 has fully come through. The final pay request is in the amount of \$12,227.38, totaling \$262,973.11 for the contract.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: The original contract amount for the project was \$241,470.13. The final contract is 8.9% over the original contract, however includes one Change Order and staff reported on the issues found during construction in 2023 that required correction which led to some of the overage in quantities. The final pay estimate shows that, of the \$262,973.11 for the contract, \$124,458.37 would be reimbursable from MnDNR. Leaving \$138,514.74 funded using local funds.

RECOMMENDED ACTION/MOTION: Staff recommends approval of the final pay request to Anderson Brothers in the amount of \$12,227.38.

FINANCIAL IMPACT: \$12,227.38

FINAL PAYMENT ESTIMATE NUMBER 2

Name of Contractor:		Anderson Brothers Construction Company of Brainerd, LLC 11325 State Highway 210 Brainerd, MN 56401	
Name of Owner:		City of Brainerd 501 Laurel Street Brainerd, MN 56401	
Date of Completion:		Amount of Contract:	
Original: Friday, October 13, 2023		Original: \$241,470.13	
Revised: Friday, May 31, 2023		Revised: \$244,547.65	
		Dates of Estimate:	
		From: 10/17/23	
		To: 7/8/24	

Description of Project:
2023 LUM PARK IMPROVEMENTS S.A.P No. 018-600-034, CI No, 21-17

SPEC NO.	ITEM DESCRIPTION	CONTRACT ITEMS				THIS PERIOD		TOTAL TO DATE	
		QTY.	UNIT	UNIT PRICE	AMOUNT	QTY.	AMOUNT	QTY.	AMOUNT
2021.501	MOBILIZATION	1	LUMP SUM	\$15,000.00	\$15,000.00			1	\$15,000.00
2104.502	REMOVE PIPE APRON	2	EACH	\$125.70	\$251.40			2	\$251.40
2101.502	SALVAGE SIGN	2	EACH	\$26.40	\$52.80			2	\$52.80
2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	20	LIN FT	\$5.85	\$117.00			20	\$117.00
2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	283	LIN FT	\$4.15	\$1,174.45			282	\$1,170.30
2104.503	REMOVE PIPE CULVERT	17	LIN FT	\$20.10	\$341.70			17	\$341.70
2104.503	REMOVE CURB AND GUTTER	105	LIN FT	\$3.85	\$383.25			218	\$798.70
2104.503	REMOVE RETAINING WALL	105	LIN FT	\$6.20	\$651.00			105	\$651.00
2104.504	REMOVE BITUMINOUS PAVEMENT	1412	SQ YD	\$2.35	\$3,318.20			1412	\$3,318.20
2106.607	EXCAVATION SPECIAL	350	CU YD	\$17.75	\$6,212.50			350	\$6,212.50
2123.51	COMMON LABORERS	6	HOUR	\$114.00	\$684.00			5.25	\$598.50
2123.610	SKID LOADER	6	HOUR	\$146.85	\$881.10			7	\$1,027.95
2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	6	HOUR	\$194.00	\$1,164.00				
2211.507	AGGREGATE BASE CLASS 5 (CV)	124	CU YD	\$60.35	\$7,483.40			280.6	\$16,934.21
2215.504	FULL DEPTH RECLAMATION	4804	SQ YD	\$1.75	\$8,407.00			4748	\$8,305.50
2232.504	MILL BITUMINOUS SURFACE (2.0")	1747	SQ YD	\$3.75	\$6,551.25			1747	\$6,551.25
2301.504	CONCRETE PAVEMENT 4"	136	SQ YD	\$82.68	\$11,244.48				
2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2.B)	1008	TON	\$81.00	\$81,648.00			1101.5	\$89,221.50
2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2.B)	209	TON	\$81.00	\$16,929.00			212.25	\$17,192.25
2501.502	18" CS PIPE APRON	2	EACH	\$645.55	\$1,291.10			2	\$1,291.10
2501.503	18" CS PIPE CULVERT	26	LIN FT	\$79.50	\$2,067.00			26	\$2,067.00
2511.504	GEOTEXTILE FILTER TYPE 4	46	SQ YD	\$27.90	\$1,283.40				
2511.507	RANDOM RIPRAP CLASS II	10	CU YD	\$144.65	\$1,446.50				
2521.516	2" BITUMINOUS WALK	8901	SQ FT	\$3.50	\$30,803.50			9270	\$32,445.00
2531.503	CONCRETE CURB AND GUTTER DESIGN B618	157	LIN FT	\$40.30	\$6,327.10			262	\$11,364.80
2531.618	TRUNCATED DOMES	120	SQ FT	\$58.30	\$6,996.00			120	\$6,996.00
2563.601	TRAFFIC CONTROL	1	LUMP SUM	\$1,689.75	\$1,689.75			1	\$1,689.75
2564.602	INSTALL SIGN	2	EACH	\$126.75	\$253.50			2	\$253.50
2573.501	STABILIZED CONSTRUCTION EXIT	1	LUMP SUM	\$1,176.00	\$1,176.00				
2573.502	STORM DRAIN INLET PROTECTION	7	EACH	\$205.95	\$1,441.65			7	\$1,441.65
2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	705	LIN FT	\$5.30	\$3,736.50			730	\$3,869.00
2573.503	SILT FENCE, TYPE MS	126	LIN FT	\$5.30	\$667.80			35	\$185.50
2574.507	COMMON TOPSOIL BORROW	201	CU YD	\$39.00	\$7,839.00			201	\$7,839.00
2574.508	FERTILIZER (22-5-10)	222	POUND	\$1.00	\$222.00			222	\$222.00
2575.505	SEEDING	0.38	ACRE	\$1,050.80	\$399.30			0.38	\$399.30
2575.506	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	37	POUND	\$4.55	\$168.35				
2575.506	SEED MIXTURE 25-131	113	POUND	\$4.25	\$480.25			113	\$480.25
2575.506	SEED MIXTURE 25-141	2	POUND	\$4.80	\$9.60			2	\$9.60
2575.500	HYDRAULIC REINFORCED FIBER MATRIX	1570	POUND	\$2.10	\$3,297.00			1570	\$3,297.00
2582.503	4" SOLID LINE PAINT	1130	LIN FT	\$2.65	\$2,994.50			1078	\$2,856.70
2582.503	4" DOUBLE SOLID LINE PAINT	350	LIN FT	\$5.30	\$1,855.00			324	\$1,717.20
2582.503	4" BROKEN LINE PAINT	210	LIN FT	\$2.65	\$556.50			190	\$503.50
2582.503	8" SOLID LINE PAINT	196	LIN FT	\$7.40	\$1,450.40			197	\$1,457.80
2582.518	PAVEMENT MESSAGE	62	SQ FT	\$8.45	\$523.90			62	\$523.90
CHANGE ORDER 1									
1	REMOVE BID ITEM CONCRETE PAVEMENT 4"	136	SQ YD	(\$82.68)	(\$11,244.48)				
2	CONCRETE PAVEMENT 6"	130.2	SQ YD	\$110.00	\$14,322.00			130.2	\$14,322.00
TOTAL:					\$244,547.65	\$262,973.11			

THIS PERIOD				TOTAL TO DATE			
AMOUNT EARNED							\$262,973.11
AMOUNT RETAINED							
RETAINAGE RELEASED:			\$12,227.38				
PREVIOUS PAYMENTS						\$250,745.73	
AMOUNT DUE			\$12,227.38			\$12,227.38	

Estimated Percentage Completed: 107.5%

CONTRACTOR'S CERTIFICATION:

The undersigned Contractor certifies that to the best of their knowledge, information and belief the work covered by this payment estimate has been completed in accordance with the contract documents, that all amounts have been paid by the Contractor for work for which previous payment estimates were issued and payments received from the Owner, and that current payment shown herein is now due.

CONTRACTOR: ANDERSON BROTHERS CONSTRUCTION CO. OF BRAINERD, LLC

BY:

Date:

APPROVED BY CITY OF BRAINERD:

BY:

Date:

ENGINEER'S CERTIFICATION:

The undersigned endorses that to the best of their knowledge and belief, the quantities shown in this estimate are correct and the work has been performed in accordance with the contract documents.

ENGINEER: WIDSETH SMITH NOLTING

BY:

Date: 07-08-2024

PARTIAL PAY ESTIMATE 1 - ATTACHMENT A
2023 LUM PARK IMPROVEMENTS S.A.P No. 018-600-034, CI No, 21-
17
Monday, July 08, 2024

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE
1	2021.501	MOBILIZATION	LUMP SUM	\$15,000.00
2	2104.502	REMOVE PIPE APRON	EACH	\$125.70
3	2101.502	SALVAGE SIGN	EACH	\$26.40
4	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$5.85
5	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.15
6	2104.503	REMOVE PIPE CULVERT	LIN FT	\$20.10
7	2104.503	REMOVE CURB AND GUTTER	LIN FT	\$3.65
8	2104.503	REMOVE RETAINING WALL	LIN FT	\$6.20
9	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$2.35
10	2106.607	EXCAVATION SPECIAL	CU YD	\$17.75
11	2123.510	COMMON LABORERS	HOURL	\$114.00
12	2123.610	SKID LOADER	HOURL	\$146.85
13	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOURL	\$194.00
14	2211.507	AGGREGATE BASE CLASS 5 (CV)	CU YD	\$60.35
15	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$1.75
16	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$3.75
17	2301.504	CONCRETE PAVEMENT 4"	SQ YD	\$82.68
18	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2.B)	TON	\$81.00
19	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2.B)	TON	\$81.00
20	2501.502	18" CS PIPE APRON	EACH	\$645.55
21	2501.503	18" CS PIPE CULVERT	LIN FT	\$79.50
22	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	\$27.90
23	2511.507	RANDOM RIPRAP CLASS II	CU YD	\$144.65
24	2521.518	2" BITUMINOUS WALK	SQ FT	\$3.50
25	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	\$40.30
26	2531.618	TRUNCATED DOMES	SQ FT	\$58.30
27	2563.601	TRAFFIC CONTROL	LUMP SUM	\$1,689.75
28	2564.602	INSTALL SIGN	EACH	\$126.75
29	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$1,176.00
30	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$205.95
31	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.30
32	2573.503	SILT FENCE, TYPE MS	LIN FT	\$5.30
33	2574.507	COMMON TOPSOIL BORROW	CU YD	\$39.00
34	2574.508	FERTILIZER (22-5-10)	POUND	\$1.00
35	2575.505	SEEDING	ACRE	\$1,050.80
36	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$4.55
37	2575.508	SEED MIXTURE 25-131	POUND	\$4.25
38	2575.508	SEED MIXTURE 25-141	POUND	\$4.80
39	2575.500	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$2.10
40	2582.503	4" SOLID LINE PAINT	LIN FT	\$2.65
41	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$5.30
42	2582.503	4" BROKEN LINE PAINT	LIN FT	\$2.65
43	2582.503	8" SOLID LINE PAINT	LIN FT	\$7.40
44	2582.518	PAVEMENT MESSAGE	SQ FT	\$8.45
CHANGE ORDER 1				
1	-	REMOVE BID ITEM CONCRETE PAVEMENT 4"	SQ YD	(\$82.68)
2	-	CONCRETE PAVEMENT 6"	SQ YD	\$110.00

TOTALS:
AMOUNT RETAINED (5% OF REVISED CONTRACT VALUE)
RETAINAGE RELEASED:
PREVIOUS PAYMENTS
AMOUNT DUE:

CITY IMPROVEMENT NO. 21-17					
CONTRACT		THIS PERIOD		TOTAL TO DATE	
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
0.4	\$6,000.00			0.4	\$6,000.00
2	\$52.80			2	\$52.80
20	\$117.00			20	\$117.00
38	\$157.70			37	\$153.55
105	\$383.25			218	\$795.70
105	\$651.00			105	\$651.00
1412	\$3,318.20			1412	\$3,318.20
2	\$228.00			5.25	\$598.50
2	\$293.70			7	\$1,027.95
2	\$388.00				
124	\$7,483.40			280.6	\$16,934.21
136	\$11,244.48				
223	\$18,063.00			255	\$20,655.00
46	\$1,283.40				
8801	\$30,803.50			9270	\$32,445.00
157	\$6,327.10			282	\$11,364.60
120	\$6,996.00			120	\$6,996.00
0.4	\$675.90			0.4	\$675.90
2	\$253.50			2	\$253.50
533	\$2,824.90			552	\$2,925.60
126	\$667.80			35	\$185.50
197	\$7,683.00			197	\$7,683.00
219	\$219.00			219	\$219.00
0.37	\$388.80			0.37	\$388.80
35	\$159.25				
110	\$467.50			110	\$467.50
2	\$9.60			2	\$9.60
1545	\$3,244.50			1545	\$3,244.50
1020	\$2,703.00			973	\$2,578.45
136	-\$11,244.48				
130.2	\$14,322.00			130.2	\$14,322.00

\$116,164.80\$134,062.86

\$5,808.24
\$128,254.62
\$5,808.24

115.4%

SAP 018-600-034					
CONTRACT		THIS PERIOD		TOTAL TO DATE	
QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
0.57	\$8,550.00			0.57	\$8,550.00
245	\$1,016.75			245	\$1,016.75
350	\$6,212.50			350	\$6,212.50
2	\$228.00				
2	\$293.70				
2	\$388.00				
4804	\$8,407.00			4746	\$8,305.50
1747	\$6,551.25			1747	\$6,551.25
785	\$63,585.00			846.5	\$68,566.50
209	\$16,929.00			212.25	\$17,192.25
0.57	\$963.16			0.57	\$963.16
1	\$1,176.00				
7	\$1,441.65			7	\$1,441.65
172	\$911.60			178	\$943.40
4	\$156.00			4	\$156.00
3	\$3.00			3	\$3.00
0.01	\$10.51			0.01	\$10.51
2	\$9.10				
3	\$12.75			3	\$12.75
25	\$52.50			25	\$52.50
110	\$291.50			105	\$278.25
350	\$1,855.00			324	\$1,717.20
210	\$556.50			190	\$503.50
196	\$1,450.40			197	\$1,457.80
62	\$523.90			62	\$523.90

\$121,574.77\$124,458.37

\$6,078.74
\$118,379.63
\$6,078.74

102.4%

PARTIAL PAY ESTIMATE 1 - ATTACHMENT A
2023 LUM PARK IMPROVEMENTS S.A.P No. 018-600-034, CI No, 21-17
Monday, July 08, 2024

ITEM NO.	SPEC. NO.	ITEM DESCRIPTION	UNIT	UNIT PRICE	CITY IMPROVEMENT NO. 21-17						TOTALS					
					CONTRACT		THIS PERIOD		TOTAL TO DATE		CONTRACT		THIS PERIOD		TOTAL TO DATE	
					QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT	QUANTITY	AMOUNT
1	2021.501	MOBILIZATION	LUMP SUM	\$15,000.00	0.03	\$450.00			0.03	\$450.00	1	\$15,000.00			1	\$15,000.00
2	2104.502	REMOVE PIPE APRON	EACH	\$125.70	2	\$251.40			2	\$251.40	2	\$251.40			2	\$251.40
3	2101.502	SALVAGE SIGN	EACH	\$26.40							2	\$52.80			2	\$52.80
4	2104.503	SAWING CONCRETE PAVEMENT (FULL DEPTH)	LIN FT	\$5.85							20	\$117.00			20	\$117.00
5	2104.503	SAWING BITUMINOUS PAVEMENT (FULL DEPTH)	LIN FT	\$4.15							283	\$1,174.45			282	\$1,170.30
6	2104.503	REMOVE PIPE CULVERT	LIN FT	\$20.10	17	\$341.70			17	\$341.70	17	\$341.70			17	\$341.70
7	2104.503	REMOVE CURB AND GUTTER	LIN FT	\$3.65							105	\$383.25			218	\$795.70
8	2104.503	REMOVE RETAINING WALL	LIN FT	\$6.20							105	\$651.00			105	\$651.00
9	2104.504	REMOVE BITUMINOUS PAVEMENT	SQ YD	\$2.35							1412	\$3,318.20			1412	\$3,318.20
10	2106.607	EXCAVATION SPECIAL	CU YD	\$17.75							350	\$6,212.50			350	\$6,212.50
11	2123.510	COMMON LABORERS	HOUR	\$114.00	2	\$228.00					6	\$684.00			5.25	\$598.50
12	2123.610	SKID LOADER	HOUR	\$146.85	2	\$293.70					6	\$881.10			7	\$1,027.95
13	2123.610	STREET SWEEPER (WITH PICKUP BROOM AND WATER)	HOUR	\$194.00	2	\$388.00					6	\$1,164.00				
14	2211.507	AGGREGATE BASE CLASS 5 (CV)	CU YD	\$60.35							124	\$7,483.40			280.6	\$16,934.21
15	2215.504	FULL DEPTH RECLAMATION	SQ YD	\$1.75							4804	\$8,407.00			4746	\$8,305.50
16	2232.504	MILL BITUMINOUS SURFACE (2.0")	SQ YD	\$3.75							1747	\$6,551.25			1747	\$6,551.25
17	2301.504	CONCRETE PAVEMENT 4"	SQ YD	\$82.68							136	\$11,244.48				
18	2360.509	TYPE SP 9.5 WEARING COURSE MIXTURE (2.B)	TON	\$81.00							1008	\$81,648.00			1101.5	\$89,221.50
19	2360.509	TYPE SP 12.5 WEARING COURSE MIXTURE (2.B)	TON	\$81.00							209	\$16,929.00			212.25	\$17,192.25
20	2501.502	18" CS PIPE APRON	EACH	\$645.55	2	\$1,291.10			2	\$1,291.10	2	\$1,291.10			2	\$1,291.10
21	2501.503	18" CS PIPE CULVERT	LIN FT	\$79.50	26	\$2,067.00			26	\$2,067.00	26	\$2,067.00			26	\$2,067.00
22	2511.504	GEOTEXTILE FILTER TYPE 4	SQ YD	\$27.90							46	\$1,283.40				
23	2511.507	RANDOM RIPRAP CLASS II	CU YD	\$144.65	10	\$1,446.50					10	\$1,446.50				
24	2521.518	2" BITUMINOUS WALK	SQ FT	\$3.50							8801	\$30,803.50			9270	\$32,445.00
25	2531.503	CONCRETE CURB AND GUTTER DESIGN B618	LIN FT	\$40.30							157	\$6,327.10			282	\$11,364.60
26	2531.618	TRUNCATED DOMES	SQ FT	\$58.30							120	\$6,996.00			120	\$6,996.00
27	2563.601	TRAFFIC CONTROL	LUMP SUM	\$1,689.75	0.03	\$50.69			0.03	\$50.69	1	\$1,689.75			1	\$1,689.75
28	2564.602	INSTALL SIGN	EACH	\$126.75							2	\$253.50			2	\$253.50
29	2573.501	STABILIZED CONSTRUCTION EXIT	LUMP SUM	\$1,176.00							1	\$1,176.00				
30	2573.502	STORM DRAIN INLET PROTECTION	EACH	\$205.95							7	\$1,441.65			7	\$1,441.65
31	2573.503	SEDIMENT CONTROL LOG TYPE WOOD FIBER	LIN FT	\$5.30							705	\$3,736.50			730	\$3,869.00
32	2573.503	SILT FENCE, TYPE MS	LIN FT	\$5.30							126	\$667.80			35	\$185.50
33	2574.507	COMMON TOPSOIL BORROW	CU YD	\$39.00							201	\$7,839.00			201	\$7,839.00
34	2574.508	FERTILIZER (22-5-10)	POUND	\$1.00							222	\$222.00			222	\$222.00
35	2575.505	SEEDING	ACRE	\$1,050.80							0.38	\$399.30			0.38	\$399.30
36	2575.508	SEED MIXTURE 22-111 (TEMPORARY SEEDING)	POUND	\$4.55							37	\$168.35				
37	2575.508	SEED MIXTURE 25-131	POUND	\$4.25							113	\$480.25			113	\$480.25
38	2575.508	SEED MIXTURE 25-141	POUND	\$4.80							2	\$9.60			2	\$9.60
39	2575.500	HYDRAULIC REINFORCED FIBER MATRIX	POUND	\$2.10							1570	\$3,297.00			1570	\$3,297.00
40	2582.503	4" SOLID LINE PAINT	LIN FT	\$2.65							1130	\$2,994.50			1078	\$2,856.70
41	2582.503	4" DOUBLE SOLID LINE PAINT	LIN FT	\$5.30							350	\$1,855.00			324	\$1,717.20
42	2582.503	4" BROKEN LINE PAINT	LIN FT	\$2.65							210	\$556.50			190	\$503.50
43	2582.503	8" SOLID LINE PAINT	LIN FT	\$7.40							196	\$1,450.40			197	\$1,457.80
44	2582.518	PAVEMENT MESSAGE	SQ FT	\$8.45							62	\$523.90			62	\$523.90
CHANGE ORDER 1																
1	-	REMOVE BID ITEM CONCRETE PAVEMENT 4"	SQ YD	(\$82.68)												
2	-	CONCRETE PAVEMENT 6"	SQ YD	\$110.00												
TOTALS:						\$6,808.09				\$4,451.89		\$244,547.65				\$262,973.11
AMOUNT RETAINED (5% OF REVISED CONTRACT VALUE)																
RETAINAGE RELEASED:										\$340.40						\$12,227.38
PREVIOUS PAYMENTS										\$4,111.49						\$250,745.73
AMOUNT DUE:										\$340.40						\$12,227.38
						65.4%										



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Award Proposal for Engineering Services - Lowell Safe Routes to School Project

AGENDA: SPW Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director

DEPARTMENT: Public Works

PRESENTER: Jessie Dehn, Public Works Director

ESTIMATED TIME (MIN): 5 Minutes

SUMMARY OF ISSUE: The City was recently granted \$650,000 in Safe Routes to School funding for improvements on H Street at Lowell Elementary. Due to the grant requirements and staff availability, staff is recommending that the engineering be consulted to an engineering firm for this project, similarly to what was done with Harrison Elementary in 2023. Staff requested proposals from several firms and received proposals from two engineering firms, WSB and Bolton & Menk. Their proposals are attached to this item.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: In reviewing the two proposals, both Bolton & Menk and WSB understand the project, would likely perform the service well, and achieve the goals that the City has for the project. There are two main differences in the two proposals.

First, WSB is proposing to include internal materials testing as part of their service. The City would need to contract out a for a separate service for construction materials testing. This is likely a minor expense, however a convenience for the City with one less service contract.

Second, the two proposers are assuming different construction durations. Bolton & Menk is assuming an approximate 5 week construction duration, while WSB is assuming an approximate 8 week duration. This is the largest difference between the two proposals as well as the major reason for the difference between the two total proposal costs. Bolton & Menk = \$87,009 and WSB = \$105,980. When trying to compare costs for similar construction durations, the costs are very similar between the two.

After review of the proposals, staff is recommending that WSB is awarded the contract for engineering services. With both amounts being nearly equal with construction duration considered, the efficiency of not having a separate materials testing contract and WSB's familiarity with the Harrison Safe Routes project in 2023, we feel that they would be the better selection of the two. However, both engineering firms would be good selections for this work.

RECOMMENDED ACTION/MOTION: Staff is recommending award of the Lowell Safe Routes to School engineering services contract to WSB in the amount of \$105,980.

FINANCIAL IMPACT: \$105,980 (State Aid eligible)

JUNE 28, 2024



LOWELL ELEMENTARY

SAFE ROUTES TO SCHOOL PROJECT

CITY OF BRAINERD, MINNESOTA

ELEMENTARY



BOLTON & MENK

Contact:

Andrew Beadell, PE
218-244-5928
Andrew.Beadell@bolton-menk.com

7656 Design Road | Suite 200
Baxter, MN 56425
218-825-0684 | Bolton-Menk.com



**BOLTON
& MENK**

Real People. Real Solutions.

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Baxter, MN 56425
218-825-0684 | Bolton-Menk.com

Jessie Dehn, PE
City Engineer/Public Works Director
City of Brainerd
501 Laurel Street
Brainerd, MN 56401

RE: Proposal for Lowell Elementary School Safe Routes to School (SRTS) Improvements Project

Dear Jessie:

After a series of updates, the City of Brainerd and ISD 181's SRTS Plan received MnDOT funds to begin improving the H Street route to Lowell Elementary School. This SRTS improvement project will be 100 percent funded through grant funds received for 2025 construction. Our team at Bolton & Menk, Inc. has completed similar projects and like you, takes great pride in designing and managing projects that are safe, sustainable, and functional. We offer:

LOCAL STAFF

Bolton & Menk offers the expertise of a national firm, but we are just down the road. We too are vested in the Lowell Elementary School SRTS Improvements project and look forward to our continued partnership. We will do our best to ensure safe and sustainable improvements for the community and region in which we also live and work. Many of our Baxter staff members have young children in the area and understand the importance of providing the safest possible routes to their schools—they are the future, after all. Choosing Bolton & Menk means you gain a consultant and committed partner with local knowledge and the passion to see the project through.

PROVEN BRAINERD EXPERIENCE AND UNDERSTANDING

As a trusted partner to the City of Brainerd, we know what you expect. Our recent work on the NW 4th Street Improvements project and 4th Street SW Storm Sewer Outfall project speaks for itself in terms of the quality deliverables we can supply the city. Our unparalleled understanding of your local values will lead the way for the Lowell Elementary School SRTS Improvements project.

COST-EFFECTIVE ENGINEERING

We have a reputation of delivering the right project at the right price; we make projects happen. With our Baxter location just 10 minutes from the project site, our project manager, Andrew Beadell, will be able to visit the site or be at your office within minutes to review the site, discuss issues, and work through solutions with you. When you choose Bolton & Menk, you can trust that we will work to deliver your project successfully while limiting city staff involvement and saving you time and money in the process—consider us your "set it and forget it" team!

In continued service to the City of Brainerd, we are excited at the opportunity to complete the Lowell Elementary School SRTS Improvements project. Andrew Beadell will serve as your lead client contact and project manager. Please contact him at 218-244-5928 or Andrew.Beadell@bolton-menk.com if you have any questions regarding our proposal.

Respectfully submitted,
Bolton & Menk, Inc.



Phil Martin, PE | Principal-in-Charge



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PROJECT UNDERSTANDING

The City of Brainerd is requesting proposals for design and construction engineering services including project design and development, preparation of plans and specifications, and construction/observation/testing for the Lowell Elementary School Safe Routes to School Improvements.

The city is planning improvements to walking and biking infrastructure for children traveling to and from Lowell Elementary School. Planning for the proposed improvements originated as part of a cooperative Safe Routes to School (SRTS) planning effort with the City of Brainerd and Independent School District #181 (ISD 181) which led to the development of a Safe Routes to School Engineering Study completed in 2021. Funding was received from MnDOT in the fall of 2021 to construct improvements to Oak Street at Harrison Elementary and now the city intends to improve H Street at Lowell Elementary in much the same manner.

The city is seeking professional services to provide preliminary and final design and construction engineering services to complete the proposed improvement project. The project is 100 percent funded through MnDOT and will not need to follow the Delegated Contract Process (DCP) common to most federally funded SRTS projects and will instead be administered as a municipal state aid project. The city's schedule is for plans, specifications, and required paperwork to be completed for submittal to the district state aid engineer by December 2024, project bidding in January/February 2025, and construction during the summer of 2025.



BASED ON THE INFORMATION PROVIDED IN THE REQUEST FOR PROPOSALS AND DISCUSSION WITH CITY ENGINEERING STAFF, WE UNDERSTAND THE FOLLOWING:

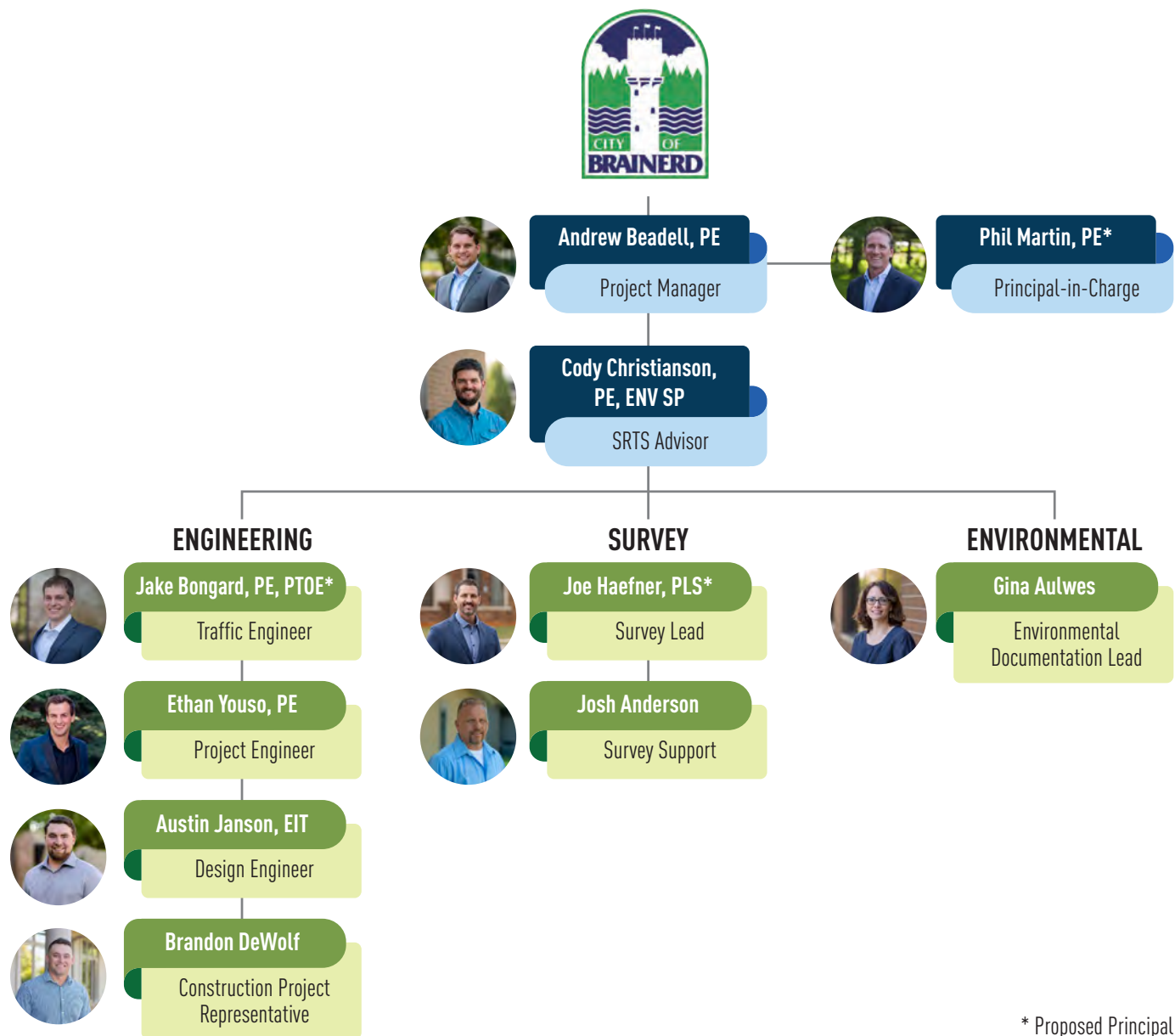


- Proposed improvements will be comprised of new ADA-compliant pedestrian ramps on all quadrants of the intersections of 3rd Avenue NE and 4th Avenue NE with H Street. A center median will be constructed between 3rd Avenue NE and 4th Avenue NE with pedestrian refuge and Rectangular Rapid Flashing Beacons (RRFB) will be provided at both intersections. A dynamic speed feedback radar sign will be included with other signage.
- All work is anticipated to be within the existing city right-of-way so easement acquisition is not part of the requested services. If easement acquisition is necessary, we understand the city will lead that effort, and we will assist by providing exhibits for city use.
- Replacement of pedestrian ramps and construction of the proposed bump-outs to shorten crossing distances will necessitate the relocation of stormwater catch basins. Some of these catch basins are on trunk lines and will require minor modifications to the existing stormwater system.
- Watermain and sanitary sewer public utilities are not anticipated to be impacted by this improvement.
- Additionally, the adjacent existing sidewalk will be reviewed to determine if it is ADA compliant.
- Pick up and drop off of students occurs on the south side of the school on G Street. We understand that the pickup queuing of vehicles can include 4th Avenue NE and potentially onto H Street.
- We understand the importance of public engagement on new sidewalk projects and that the city engaged the public in neighborhood settings in the past. Our role will be to work with the city to facilitate public engagement from inception to completion of the proposed improvements.

We have had discussions with City of Brainerd staff to understand the needs of the project and look forward to working on the Lowell Elementary School SRTS Improvements. We live and work in the area and therefore are familiar with the jurisdictions and their individual influences. We feel we have assembled a great team and developed a solid approach to make this a successful project for the City of Brainerd, ISD 181, and other stakeholders.

OUR TEAM

Bolton & Menk understands the importance of developing design solutions that can be supported by stakeholders and implemented efficiently. We have provided a brief background and description of key individual roles. These individuals have track records of successful projects and, just as importantly, are enthusiastic and committed to meeting and exceeding your expectations. We can provide detailed résumés of all personnel upon request.



* Proposed Principal



ANDREW BEADELL, PE | PROJECT MANAGER

30% AVAILABLE

Andrew always makes the extra effort to ensure quality products for his clients and the communities he works in. Andrew started his career in 2015 with Bolton & Menk's municipal group. He has experience with a range of projects related to highways and streets, municipal storm sewer systems, municipal water systems, and municipal sanitary sewer systems. His expertise includes in-depth final design on projects related to bike and pedestrian facilities, highways, urban streets, and city utilities. He uses the knowledge and experience he has gained to identify the needs of a project, work toward a solution, and communicate results to community and project stakeholders. Andrew was pivotal in delivering the design, permitting, and construction of the 4th Street SW Storm Sewer Outfall project.



PHIL MARTIN, PE | PRINCIPAL-IN-CHARGE

20% AVAILABLE

Phil routinely acts on behalf of cities as a liaison with the public, residents, and other interested parties. He enjoys the relationships that are developed while helping a client solve their issues. Phil began his career in 1992, and as a civil work group leader and principal engineer, he has managed the planning and design of various civil engineering projects in the Brainerd area. He has been involved with state and federal aid projects, transportation corridor studies, trail studies, capital improvement planning, and has extensive experience as a municipal engineer with several north central Minnesota communities. Phil was involved with the 4th Street North Roundabout project, serving as principal-in-charge.



CODY CHRISTIANSON, PE, ENV SP | SRTS ADVISOR

35% AVAILABLE

Cody began his career in transportation engineering in 2008. He has expertise in roadway engineering and design, bike and pedestrian planning and design, and sustainability. Cody has national bicycle and pedestrian expertise that helps build support for improved multimodal infrastructure. By listening to community input, coordinating with project stakeholders, and using his industry experience, Cody designs improvements that create an inviting environment, enhance pedestrian and bicycle safety, and address community goals. He uses that experience to create accessible designs that integrate into the existing infrastructure, are easy to navigate, and improve the region's transportation system for those who walk, bike, or roll.



JAKE BONGARD, PE, PTOE | TRAFFIC ENGINEER

40% AVAILABLE

As a principal transportation engineer who began his career in 2009, Jake works on a variety of projects ranging from high-level planning studies to in-depth final design projects. He uses the knowledge and experience obtained through his education and professional practice to identify the needs of a project, work toward a solution, and communicate results to those in and outside the field of engineering. A practice area leader for transportation at Bolton & Menk, Jake loves to solve challenging problems and enjoys seeing the impact our work can have on improving the way people safely and efficiently get from one place to another. Jake served as principal traffic engineer on the 4th Street North Roundabout project.



ETHAN YOUSO, PE | PROJECT ENGINEER

35% AVAILABLE

Ethan is a project engineer at Bolton & Menk who is passionate about providing quality deliverables to our clients. Beginning his career in 2019, his experience includes designing and inspecting reconstruction projects. These projects often included sidewalks and trails that were required to meet all ADA and funding source requirements. He is involved in both design and construction phases of projects, bringing continuity to the project and knowledge of goals and objectives as the project is constructed. Ethan completed the permitting and design of the city's 4th Street SW Storm Sewer Outfall project and was a construction project representative on the 4th Street North Roundabout project.



AUSTIN JANSON, EIT | DESIGN ENGINEER

50% AVAILABLE

Austin is a design engineer who debuted his professional career at Bolton & Menk in 2022. He is an expert in fiber-reinforced concrete pavement work and is responsible for assisting in construction inspection and municipal design. Austin has been involved with the design and construction of sewer and water systems, state aid projects, and ADA-compliant sidewalks and multiuse trails. His passion for problem solving and the great outdoors allows him to mix work and fun while delivering quality solutions to communities in need. Austin was the construction project representative for the construction of the city's 4th Street SW Storm Sewer Outfall project.



BRANDON DEWOLF | CONSTRUCTION PROJECT REPRESENTATIVE

30% AVAILABLE

Brandon is a graduate engineer who joined Bolton & Menk full time in 2017. He enjoys problem solving and having the opportunity to design projects the public will use and benefit from. Brandon is involved in various design and construction aspects for municipal projects, assisting in the preparation of preliminary engineering reports, developing designs and construction plans, conducting stormwater evaluations and designs, and preparing bid documents and specifications. He also serves as a construction project representative.



JOE HAEFNER, PLS | SURVEY LEAD

30% AVAILABLE

Joe began surveying in 1997 and is licensed in Minnesota and Iowa. A survey manager and principal survey practice area leader at Bolton & Menk, he is responsible for the coordination and supervision of survey work. Joe enjoys working on large-scale surveying projects that cover many sections of land. He has experience performing, preparing, and supervising land surveys and parcel and right-of-way determinations involving government land corners, corner certificates, section breakdowns, highway right-of-way, and railroad properties. He oversees all aspects of land surveying activities from the establishment of initial project control through project delivery and construction staking.



JOSH ANDERSON | SURVEY SUPPORT

35% AVAILABLE

Josh is a survey crew chief who began his surveying career in 2004. He is experienced in topographic mapping surveys, legal research, boundary surveys, PLSS corner restorations, and construction calculations and staking, as well as computer drafting of plats, topographic surveys, and site plans. He has experience with as-built surveys, building site and street improvements, and has worked with natural gas pipeline surveys. Josh supported surveying efforts for the 4th Street SW Storm Sewer Outfall project and the 4th Street North Roundabout project.



GINA AULWES | ENVIRONMENTAL DOCUMENTATION LEAD

50% AVAILABLE

Gina is a senior transportation planner who began her career with Bolton & Menk in 2010. She conducts environmental compliance (NEPA and MEPA) for transportation projects such as project memorandums, EAWs, EAs, and CATEXs. She also performs state and federal permitting responsibilities for municipal and industrial clients. Gina meets the Secretary of the Interior's Standards in archaeology to conduct archaeological studies within the State of Minnesota. She has directed, coordinated, and participated in numerous archaeological investigations in compliance with Section 106 and as part of academic research, including all levels of fieldwork, analyses, collection management and accession, and technical writing. Gina is passionate about doing her part accurately and timely to keep projects on track.

PREVIOUS EXPERIENCE WITH SRTS FUNDS

Bolton & Menk has assembled an experienced and proven team to complete the project tasks required by the City of Brainerd. The following pages of this section include several examples of our recent work, highlighting the relevant experience of key team members.





SAFE ROUTES TO SCHOOL INFRASTRUCTURE CITY OF LITTLE FALLS, MN

Bolton & Menk provided project memorandum preparation services and construction observation and administration of the DCP requirements for the sidewalk, trail, and RRFB improvements within the City of Little Falls. The city received \$584,500 (80 percent) in funding to make improvements to pedestrian ramps at 13 intersections, a sidewalk along 6 blocks, and a shared use path along 4 blocks. Three sets of RRFB's were installed along TH 27 at school locations along with the corresponding pedestrian curb ramps to maintain ADA compliance. Bolton & Menk was able to correspond with residents to maintain access to their property, coordinate with contractors and utility companies to keep the project on schedule, and maintain access for bus traffic at peak times throughout the day. Bolton & Menk also ensured all federal funding requirements were met and documented correctly on the project.



NW 4TH STREET IMPROVEMENTS CITY OF BRAINERD, MN

Following a traffic study by Bolton & Menk, the City of Brainerd decided to reconstruct NW 4th Street north of Highway 210 to improve vehicle and pedestrian safety. A roundabout was constructed at the intersection of Jackson Street and NW 4th Street and a center median was installed on 4th Street from Highway 210 to Jackson Street. No pedestrian facilities existed in the corridor, so a shared use trail and ADA-compliant pedestrian ramps were also added.

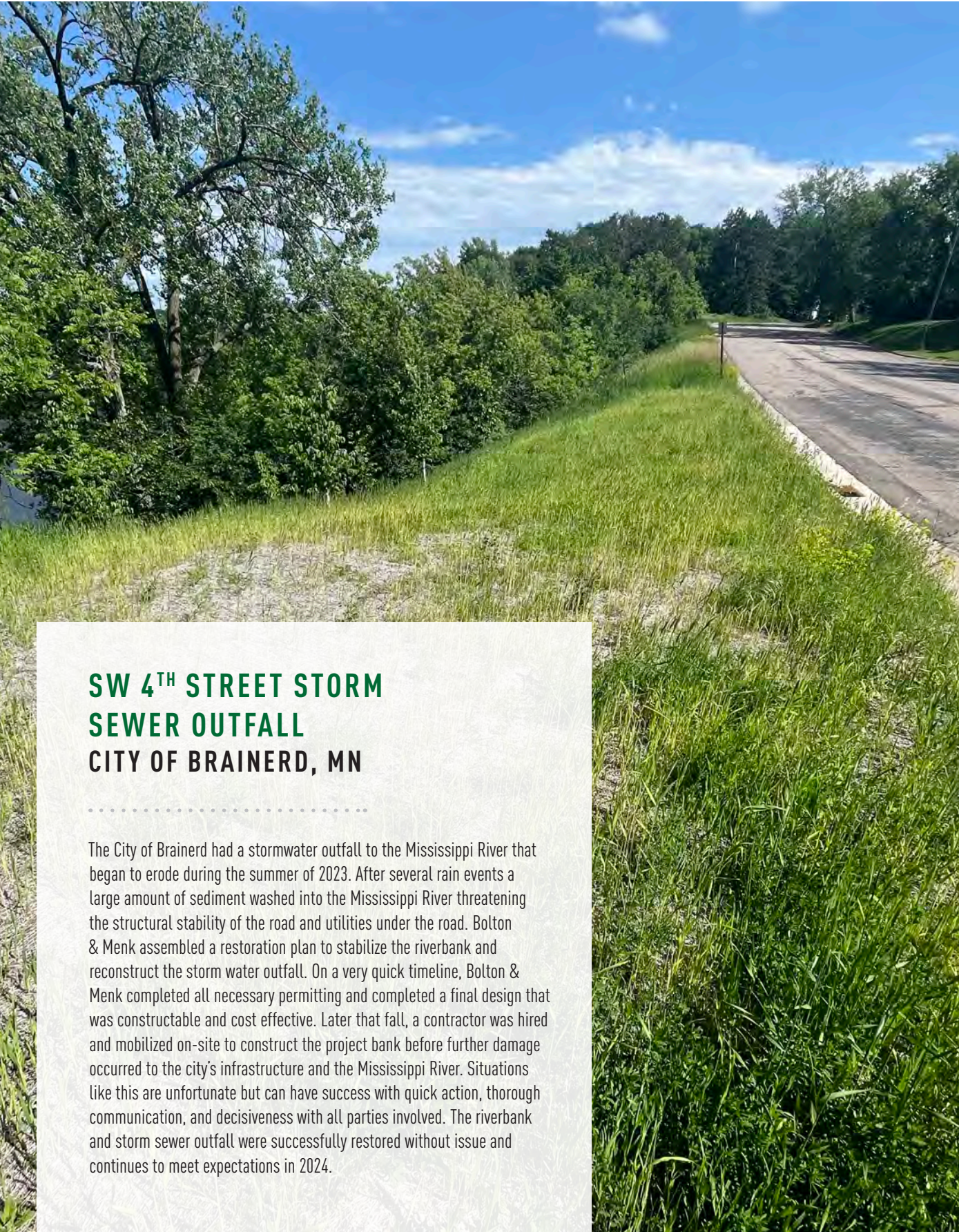
Bolton & Menk assisted the city in leveraging state aid funds to complete the project successfully from concept through construction. The roadway was narrowed to provide traffic calming as well as room for pedestrian facilities. ADA pedestrian ramps were installed throughout the project with medians at the roundabout providing pedestrian refuge for shorter, safer crossings.



DIFFLEY ROAD AND SCHOOL ACCESS DAKOTA COUNTY, MN

Diffley Road (CSAH 30) provides a vital connection for commuters and residents to the City of Eagan. Improvements to the Diffley Road access to Eagan High School were needed to ensure the safety of students and other travelers. The project began in 2019, looking at pedestrian safety and vehicular level of service improvements at the intersection of Diffley Road and Braddock Trail but took a pause in mid-2019 to gather community support. In late 2019, a student crossing the four-lane divided roadway was struck and killed at an uncontrolled, unmarked intersection. This incident propelled Dakota County, the City of Eagan, and ISD 196 to rapidly push forward a School Area Safety Improvements Study. Bolton & Menk led the study, gathering input from the community and collaborating on short- and long-term improvements.

Using the momentum from the study, Bolton & Menk worked with Dakota County, the City of Eagan, and ISD 196 to implement a lane reduction of Diffley Road east of Lexington Avenue, single-lane roundabouts at Daniel Drive and Braddock Trail, a new access road from Diffley Road to Dakota Hills Middle School/Eagan High School's south parking lot, a reconfiguration and expansion of the school's parking lot, and improvements to the school's parking lot access along Braddock Trail. These much-needed improvements helped Dakota County realize their vision of a safer Diffley Road and school area.



SW 4TH STREET STORM SEWER OUTFALL CITY OF BRAINERD, MN

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The City of Brainerd had a stormwater outfall to the Mississippi River that began to erode during the summer of 2023. After several rain events a large amount of sediment washed into the Mississippi River threatening the structural stability of the road and utilities under the road. Bolton & Menk assembled a restoration plan to stabilize the riverbank and reconstruct the storm water outfall. On a very quick timeline, Bolton & Menk completed all necessary permitting and completed a final design that was constructable and cost effective. Later that fall, a contractor was hired and mobilized on-site to construct the project bank before further damage occurred to the city's infrastructure and the Mississippi River. Situations like this are unfortunate but can have success with quick action, thorough communication, and decisiveness with all parties involved. The riverbank and storm sewer outfall were successfully restored without issue and continues to meet expectations in 2024.

PROJECT APPROACH AND WORK PLAN

The City of Brainerd can be assured our team will provide outstanding technical deliverables, exceptional leadership in public and stakeholder involvement, and superior project management in a timely and cost-effective manner. The detailed work plan below is outlined by tasks addressing all elements of the RFP. Please see the next section for our detailed schedule.

FINAL DESIGN, PLAN SUBMITTALS, AND STATE AID DOCUMENTATION

After the city has approved the geometric layout, we will begin working on the final design, plans submittals, and completing the state aid documentation. Having an approved geometric layout will allow Bolton & Menk to quickly and efficiently complete final design, prepare the plan submittal packages, achieve all project submittal approvals, and complete the State Aid for Local Transportation (SALT) process by December 2024, ensuring we are ready for construction in early spring 2025.

With our experience and thorough understanding of state funding requirements, our team will work to get this project approved and ready for 2025 construction.



TASK 1: PROJECT MANAGEMENT/ MEETINGS

SUBTASK 1.1: PROJECT MANAGEMENT TEAM (PMT) MEETINGS

Bolton & Menk will hold a PMT meeting with the city and project partners to discuss project progress and status and plan for the next steps. We anticipate one PMT meeting during preliminary engineering and early plan development.

SUBTASK 1.2: PROJECT COORDINATION

As project manager, Andy Beadell will have ongoing coordination with the city's project manager. We will also coordinate with MnDOT District 3 staff as necessary.

SUBTASK 1.3: AGENCY COORDINATION

Bolton & Menk will coordinate with agencies as needed to discuss issues, concerns, and proposed improvements.

SUBTASK 1.4: CITY COUNCIL MEETINGS

Bolton & Menk will attend and present the project at up to two council meetings. The first meeting will likely be a work session to review the concepts and ensure we are on the right path. The second meeting will be to approve the final plans and share our proposed construction schedule.

EXPECTED CITY PARTICIPATION

Process monthly invoices and progress reports, participate in project coordination, ongoing communication

DELIVERABLES

Meeting agendas, minutes, open house materials, ongoing coordination

TASK 2: DATA COLLECTION

SUBTASK 2.1: FIELD REVIEW

The Bolton & Menk design team will perform a field walk to confirm understanding of conditions and document with pictures.

SUBTASK 2.2: GOPHER STATE ONE CALL REQUEST

Bolton & Menk survey staff will initiate the Gopher State One Call process and request existing utilities (i.e., ground marking and mapping) information.

SUBTASK 2.3: RESEARCH, BASE MAP, AND CONTROLS

Bolton & Menk will complete the following tasks:

- Research
 - Gather section corner information from the county surveyor's office/online
 - Review title reports and/or title insurance commitments (provided by others)
 - Get copies of plats from the city
- Base map
 - Map section lines, plats, rights-of-way, and easements from research material
 - Create search points for property corner markers
- Horizontal and vertical control surveys
 - Establish intermediate horizontal control points along project area
 - Establish benchmarks along the project area

SUBTASK 2.4: TOPOGRAPHIC SURVEY

Bolton & Menk will complete a detailed topographic survey of the proposed sidewalk segments for all project locations and process the topographic data to

- Create TIN for contouring
- Map physical site improvements
- Map utilities
- Modify base mapping to conform to identified property markers

EXPECTED CITY PARTICIPATION

Provide requested data promptly

DELIVERABLES

Field review, photographs, TIN, base map, existing right-of-way, topographic survey

TASK 3: PRELIMINARY ENGINEERING

SUBTASK 3.1: PROJECT SCOPING

Our team will use the information from Task 2 to begin project scoping and development of the preliminary layout of the sidewalk improvements and construction limits.

SUBTASK 3.2: GEOMETRIC LAYOUT

In regards to the geometric layout, Bolton & Menk will

- Develop a geometric layout at a 50-scale of sidewalk improvements and construction limits that displays a plan view of all geometry, pedestrian ramp locations, construction limits, and existing and proposed sidewalk typical sections
- Present layout to city staff and school district for review, make revisions based on staff comments and input
- Submit final layout to the city for staff and city council approval as appropriate

SUBTASK 3.3: DESIGN MEMORANDUM

Bolton & Menk will prepare a design memorandum to document the decision-making process relative to sidewalk design parameters.

SUBTASK 3.4: COST ESTIMATE

Bolton & Menk will develop a preliminary construction cost estimate that corresponds with the geometric layout.

EXPECTED CITY AND MNDOT PARTICIPATION

Participate in layout development through review and acceptance; coordinate internal city review, comment, and approval

DELIVERABLES

Geometric layout, design memorandum, cost estimate

TASK 4: PUBLIC INFORMATION MEETINGS

Bolton & Menk will schedule and plan two public information meetings to share information about the upcoming projects, discuss issues, and receive comments from abutting property owners and project area residents and businesses. We will lead, participate in, and take minutes at these meetings. The timing of the meetings is included in the proposed schedule found on page 20.

SUBTASK 4.1: PUBLIC INFORMATION MEETING NO. 1

We will hold the information meeting in summer 2024. During this meeting, we will introduce the project, explain the purpose and need, and communicate the design and construction schedule. We will seek input by allowing the public to comment on the proposed project. The project team will consider comments received when developing the geometric layout and completing final design and plans.

EXPECTED CITY PARTICIPATION

Assist with reserving meeting locations and scheduling meetings, meeting participation

DELIVERABLES

Public information meeting materials and minutes, ongoing coordination with the public

TASK 5: ENVIRONMENTAL DOCUMENTATION

The Bolton & Menk team will prepare a technical memo as the environmental document for the project. It is assumed that neither an EA/EAW nor environmental documentation will be required. The environmental documentation will be completed following:

- MnDOT Highway Project Development Process (HPDP)
- Minnesota EQB, guide to Minnesota Environmental Rules
- State laws, rules, and regulations (and local regulations if applicable)
- At the State of Minnesota level

EXPECTED CITY PARTICIPATION

Timely review and comments on environmental documentation

DELIVERABLES

Environmental technical memorandum

TASK 6: UTILITY COORDINATION

SUBTASK 6.1: UTILITY IDENTIFICATION

Bolton & Menk will identify the location and potential impacts of known existing public and private utilities within the project area. This information will be included in the existing topography and utilities plan identified in Task 7.1.

SUBTASK 6.2: UTILITY IMPACTS AND RELOCATION

Bolton & Menk will send final design plans to utility owners for relocation planning and coordination at the 60% and 100% plan milestones. Further correspondence and coordination with utility owners may be necessary to understand and resolve potential issues.

SUBTASK 6.3: UTILITY COORDINATION MEETINGS

Bolton & Menk will schedule, prepare for, and lead up to two utility coordination meetings with public and private utility owners at the 60% and 100% plan development milestones.

EXPECTED CITY PARTICIPATION

Participate in utility coordination meetings

DELIVERABLES

Identification of existing utilities, plan view display and utility tabulations, identification of utility impacts and relocations, utility coordination meetings



TASK 7: FINAL DESIGN AND PLAN PREPARATION

Our team will complete the detailed design of the proposed sidewalk improvements consistent with the latest city standards, MnDOT District 3 design guidance, Americans with Disabilities Act (ADA) requirements, Public Rights-of-Way Accessibility Guidance (PROWAG) guidelines, and follow all federal and state laws, rules, and regulations.

SUBTASK 7.1: FINAL DESIGN

Our team of engineers and technicians is committed to providing comprehensive detailed construction plans that are legible and constructible. We will prepare a design with proper sidewalk grades and surface drainage, and ensure an ADA-compliant pedestrian curb ramp design. Construction plan details will comply with state aid requirements. This task includes the preparation of applicable plan sections such as:

- Title sheet
- General layout
- Statement of estimated quantities
- Tabulations
- Typical sections/construction details
- Existing conditions and utility plans
- Existing right-of-way plans (and proposed right-of-way plans if necessary)
- Removal plans
- Construction and grading plans
- Turf establishment and erosion control plans

SUBTASK 7.2: PROJECT SPECIFICATIONS

Bolton & Menk will prepare special provisions to submit with the final construction plan.

SUBTASK 7.3: ENGINEER'S ESTIMATE

Bolton & Menk will prepare an engineer's construction cost estimate with breakdowns provided for the various funding sources and participating/non-participating items where necessary. Quantities will be identified in a manner consistent with MnDOT state aid guidance.

SUBTASK 7.4: PLAN SUBMITTALS AND APPROVALS

Bolton & Menk will submit final design plans and other documents to the city and MnDOT for review and project approval at the following stages of completion:

- **60% Plan Review** – submittal to include design plans and a format/index for the special provisions
- **100% Plan Review** – submittal to include final design plans, special provisions, and engineer's estimate; we will incorporate responses to city comments from the 60% plan review
- **Final Plan Approval** – submittal of final design plans, specifications, and engineer's estimate for approval and signatures; we will incorporate responses to any final city and MnDOT comments in this submittal

SUBTASK 7.5: PERMITS

Bolton & Menk will prepare and coordinate all necessary permits for the project.

SUBTASK 7.6: BIDDING DOCUMENTS

Bolton & Menk will prepare and assemble the bidding package including project specifications, instructions to bidders, bid proposal form, labor/wage requirements, and any other required city and MnDOT attachments.

EXPECTED CITY PARTICIPATION

Timely review of 60%, 100%, and final design submittals; providing city design details and bidding document attachment as requested; design meeting participation; coordination as needed with public and permitting agencies to support project development

DELIVERABLES

60% and 100% final plans, engineer's construction cost estimate (100% and final), special provisions (100% and final), final construction plans on 11" x 17" signed by a licensed Bolton & Menk engineer and all approving agencies

TASK 8: BIDDING SERVICES

Our team will lead contract bidding and award activities per city and state aid requirements.

SUBTASK 8.1: ADVERTISEMENT FOR BID

Bolton & Menk will prepare and publish the advertisement for bid after receiving authorization to bid from MnDOT state aid.

SUBTASK 8.2: DISTRIBUTE BIDDING DOCUMENTS

Bolton & Menk will distribute bid documents.

SUBTASK 8.3: RESPONSE TO QUESTIONS

Bolton & Menk will respond to contractor questions.

SUBTASK 8.4: ISSUE ADDENDA

Bolton & Menk will issue addenda as required.

SUBTASK 8.5: BID OPENING AND TABULATION

Bolton & Menk will attend the bid opening, prepare the bid tabulation and verification, and provide a recommended award to the city council.

EXPECTED CITY PARTICIPATION

Review of advertisement for bid, host bid opening

DELIVERABLES

Advertisement for bid, distribution of bid documents, responses to contractor questions, and issue addenda

TASK 9: CONSTRUCTION ADMINISTRATION

Bolton & Menk will administer the construction contract on behalf of the city, providing construction contract administration, staking, construction observation, project close-out, and record drawings.

SUBTASK 9.1: CONSTRUCTION ADMINISTRATION AND INSPECTION

Bolton & Menk will provide construction contractor oversight to verify they are completing the work in compliance with the plans and specifications. Further, we recommend oversight by a professional engineer during construction to address unforeseen conditions and guide the project to protect the city's investment in providing accessible and connected pedestrian infrastructure.

Construction administration activities will include project diaries, payroll review and field interviews, and preparation of change orders or supplemental agreements as necessary. Bolton & Menk will report daily diaries, weekly diaries, pay quantities, partial and final pay estimates, change orders, supplemental agreements, and other related contract documents. Typical contract administration duties associated with a state aid project include the following:

- Review of all shop drawings and submittals for compliance with the plans and specifications
- State aid documentation throughout the project
- Preparation/submittal of state aid payment requests
- Coordination with the city's contracted materials sampling and testing consultant for conformance with schedule of materials control
- Coordination with MnDOT independent assurance inspector for materials testing
- Tracking and review of contractor and subcontractor certified payrolls and trucking reports
- Tracking, review, and submittal of contractor and sub-contractor Equal Employment Opportunity (EEO) paperwork
- Coordinating, attending, and running a preconstruction conference with the contractor, city, and other project stakeholders

- Recommendations on unforeseen conditions and processing resulting in change orders or supplementary agreements; should redesign of project elements be necessary as a result of unforeseen conditions, such services can be provided as an additional service
- Recommendations for partial and final payment to the contractor
- Monitoring the budget for construction staking
- Review of the contractor's pace of work and recommendations for the application of liquidated damages as appropriate
- Review of construction elements not meeting the contract requirements and recommendations for remediation or mitigation of defects
- Coordination with project stakeholders impacted by sidewalk construction using a monthly construction newsletter and timely notices, along with the public information meeting identified in Task 4
- Coordination with all utilities and contractors on utility relocations during construction

SUBTASK 9.2: CONSTRUCTION STAKING

Bolton & Menk will complete staking as required by the plans and contract documents. We will complete additional staking per request of the city. The construction observer, per Bolton & Menk QA/QC protocol, will back-check staking calculations for accuracy to avoid construction claims and delays.

SUBTASK 9.3: PROJECT CLOSEOUT

Bolton & Menk will provide project closeout documentation, including completing the following submittals:

- Materials exception summary
- Final estimate
- Certificate of final acceptance
- Overrun/underrun report for final quantities
- Final contract voucher (final pay estimate)
- Certificate of performance
- Final inspection report

Supporting documentation for the final payment request includes force account documentation, right-of-way, utility relocations, railroad, and other associated allowable project costs.

EXPECTED CITY PARTICIPATION

Attend and participate in preconstruction and weekly construction meetings; timely review and approval of monthly pay estimates; input on and review and approval of change orders and supplemental agreements; discuss project issues that may arise

DELIVERABLES

Preconstruction meeting; monthly pay estimates for city approval; agendas and other documents for discussion at scheduled meetings; change orders and supplemental agreements for city approval; other documentation to communicate professional recommendations during construction, construction stakes, and documentation of all survey points installed; project closeout



SCHEDULE

We have developed a schedule detailing the anticipated work tasks, task relationships, critical path timeline, deliverable due dates, and completion dates. This schedule is based on our review of the project background, description, and scope of services included in the RFP and our experience on other similar projects. Upon selection, Bolton & Menk will work with city staff and other project partners to revise and update this schedule as needed to ensure successful delivery of this project.

		2024						2025							
		Jul	Aug	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug
1.0	Project Management/Meetings														
1.1	PMT Meetings														
1.2	Project Coordination														
1.3	Agency Coordination														
1.4	Council Meetings														
2.0	Data Collection														
2.1	Field Review														
2.2	Gopher State One Call Request														
2.3	Research, Base Map, and Controls														
2.4	Topographic Survey														
3.0	Preliminary Engineering														
3.1	Project Scoping														
3.2	Geometric Layout														
3.3	Design Memorandum														
3.4	Cost Estimate														
4.0	Public Information Meetings														
4.1	Public Information Meeting No. 1														
5.0	Environmental Documentation														
5.1	Environmental Documentation														
6.0	Utility Coordination														
6.1	Utility Identification														
6.2	Utility Impacts and Relocation														
6.3	Utility Coordination Meetings														
7.0	Final Design and Plan Preparation														
7.1	Final Design														
7.2	Project Specifications														
7.3	Engineer's Estimate														
7.4	Plan Submittals and Approvals														
7.5	Permits														
7.6	Bidding Documents														
8.0	Bidding Services														
8.1	Advertisement for Bid														
8.2	Distribute Bidding Documents														
8.3	Response to Questions														
8.4	Issue Addenda														
8.5	Bid Opening and Tabulation														
9.0	Construction Administration														
9.1	Construction Administration and Inspection														
9.2	Construction Staking														
9.3	Project Closeout														

FEE

Bolton & Menk, Inc. will provide the scope of services for preliminary survey and engineering design and construction administration, contingency fee and construction survey, and staking for the following not-to-exceed amounts:

- Survey and engineering design: \$55,597
- Contract administration, construction staking, and inspection*: \$31,412

**Construction inspection fee is based on an assumed four-week construction time frame.*

We will bill work following our standard hourly billing rates and will not exceed our estimate without prior authorization from the city.

City of Brainerd, Minnesota Lowell Elementary School STRS		Bolton & Menk, Inc.												
Task No.	Work Task Description	Project Manager	Principal-in-Charge	SRTS Advisor	Design Engineer	Project Engineer	Traffic Engineer	Construction Project Representative	Survey Lead	Survey Support	Environmental Documentation Lead	Admin/Coordination	Total Hours	Total Cost
Survey and engineering design														
1.0	Project Management/Meetings	9	2	0	2	14	2	0	0	0	0	0	29	\$4,407
2.0	Data Collection	0	0	0	0	0	0	0	9	24	0	0	33	\$5,994
3.0	Preliminary Engineering	4	0	2	12	18	4	0	0	0	0	0	40	\$5,778
4.0	Public Information Meetings	4	0	0	6	6	0	0	0	0	0	0	16	\$2,229
5.0	Environmental Documentation	1	0	0	0	0	0	0	0	0	20	0	21	\$2,947
6.0	Utility Coordination	2	0	0	2	10	0	0	1	0	0	0	15	\$2,096
7.0	Final Design and Plan Preparation	22	0	10	122	78	2	0	0	0	0	4	238	\$32,146
Tasks 1-7 Subtotal														\$55,597
Contract administration, construction staking, and inspection														
8.0	Bidding Services	3	0	0	3	11	0	0	0	0	0	1	18	\$2,423
9.0	Construction Administration	12	2	1	0	40	0	124	5	20	0	4	208	\$28,989
Tasks 8-9 Subtotal														\$31,412
Total Hours		57	4	13	147	177	8	124	15	44	20	9	618	
Average Hourly Rate		\$166.50	\$190.25	\$183.00	\$127.50	\$133.00	\$205.50	\$131.00	\$178.00	\$183.00	\$139.00	\$78.25		
Subtotal		\$9,491	\$761	\$2,379	\$18,743	\$23,541	\$1,644	\$16,244	\$2,670	\$8,052	\$2,780	\$704		
Total Fee														\$87,009

APPROACH TO MANAGING COSTS AND CONTROLS

The City of Brainerd can expect a strong approach to managing cost controls for both engineering and construction services. The Bolton & Menk team understands the importance of taking time during preliminary and final engineering to avoid unexpected construction cost overruns. We will use the following techniques to balance scope and cost of preliminary and final engineering services while avoiding cost overruns from change orders and supplemental agreements. We will also use our project delivery approach to ensure city staff is informed of project progress and knows what to expect with each step.

SOLID PROJECT MANAGEMENT

Project manager, Andrew Beadell, will lead the Bolton & Menk team in delivering the Lowell Elementary Safe Routes to School Project. Andrew will serve as primary client contact and ensure the team has adequate resources and personnel to deliver the required services and scope. A key task of the project manager is to provide consistent project communication. Andrew will also work with the team to solve day-to-day issues that may arise.

PROJECT MANAGEMENT

Andrew will use several tracking tools to manage current project status and upcoming needs. Tools may include

- Updateable project schedule
- Deliverables tracking log
- Phone/conversation communications log
- Action items log
- Decisions log

CLIENT AND PROJECT COMMUNICATION

Bolton & Menk considers maintaining effective client communication key to a successful project. With us as your consultant for the Lowell Elementary Safe Routes to School Project, you can expect to have critical and non-critical information communicated in a timely and proactive manner, including information related to progress status, schedule, technical findings, stakeholder contacts, and costs.

Effective communication with the public is critical for the successful delivery of this project. Our team will educate the public about why we are implementing this project. We will allow them to comment on the project through public open houses and individual and community meetings as identified during project development. We must start the conversation early in the process, providing opportunities for public comment using a variety of engagement methods. We believe two-way communication of project issues and opportunities is an essential element in delivering the project on time and within budget.

We will use Phil Martin's excellent working relationship and contacts within the Brainerd area to enhance our effectiveness and provide added support to Andrew's management of the project effort. Andrew's expertise with state aid pedestrian mobility project development and delivery combined with Phil's familiarity with the local community will provide the City of Brainerd with powerful and effective communication and coordination on this project.

DESIGN AND CONSTRUCTION COORDINATION

During preliminary and final design, we will have periodic and strategic check-ins with our construction team to avoid any issues that could arise during construction. These reviews by our construction contract administration staff will minimize unexpected construction cost overruns from change orders and supplemental agreements and will help avoid schedule disruptions.

Ethan Youso will serve as the project engineer during design and construction. He will be involved in all facets of design and construction so there is continuity through the project delivery process. This continuity will build credibility with the public and go a long way to alleviate any public concerns with the construction process.

AGENCY AND PUBLIC ENGAGEMENT DOCUMENT MANAGEMENT

Bolton & Menk will work closely with the City of Brainerd as part of the formal project initiation. **We will include the school district in discussions with city staff early in the planning process to ensure all voices are heard.** This collaboration will help define all project deliverables and ensure all required documents are delivered in a timely, functional, quality-managed, and complete form. We will adapt our project records process to use any specific tools and methods preferred by the City of Brainerd.

MEETING SUPPORT

Our experience in interacting with the public and communicating technical information to a non-technical audience will ensure all issues are identified and understood early and that the best solutions are identified in the project development process. We have assigned highly motivated and qualified staff to the Lowell Elementary Safe Routes to School Project. All key team members are accustomed to attending meetings, interacting with the public at open houses and stakeholder meetings, preparing reports, and completing other essential components of the scope. Inherent in our team support for all meetings is appropriate and adequate consultant staffing, suitable graphics and presentation materials, meeting documentation such as notices and minutes, and distribution of information using alternative and multimedia tools and formats.



PAST PERFORMANCE WITH SCHEDULE AND BUDGET

MEETING TIME AND BUDGET CONSTRAINTS

Bolton & Menk knows the importance of delivering a project on time and within budget. We have extensive internal quality controls to ensure efficiency of our staff and value to our clients. Bolton & Menk is experienced in dealing with the unexpected issues that may be encountered during a project. We will keep the city informed and continually monitor the schedule and budget. We are committed to delivering quality projects and affirm our ability to provide services within the requirements of the City of Brainerd.

A recent survey asked Bolton & Menk clients to rate us on a scale of 1-10 on our ability to meet a project budget and a project design schedule. They gave us an average of 9.3 on our ability to meet a budget and 9.5 on our ability to meet a design schedule.

Ability to meet design schedule

9.5 ★★★★★★★★

Ability to meet budget

9.3 ★★★★★★★★

WILLINGNESS TO MEET TIME AND BUDGET REQUIREMENTS

As demonstrated throughout this proposal, Bolton & Menk is focused strongly on the successful delivery of this project. Andrew and our team understand your need for a cost-effective project through all phases,

from scoping through design, including smart design choices to manage construction risks and costs. We will coordinate the work so all tasks and design elements are targeted to meet the contract schedule. Our commitment to on-time delivery also strengthens Bolton & Menk's ability to meet contract budget requirements. We look forward to presenting and discussing our schedule and budget management approach with you in more detail, including our success on similar projects.

TACTICS TO REDUCE PROJECT RISK AND ASSOCIATED COSTS

We use individual experiences and combined knowledge to develop well-thought-out methodologies to successfully manage and deliver projects, adhering to a total quality philosophy. Our commitment to quality, history of relationships, and serving communities will work in Brainerd's best interest. By taking a life cycle approach, we use tactics and processes to increase quality and confidence, and reduce risk and costs. The more information demonstrated to a contractor with quality design, plans, and specifications, the lower and more competitive bid prices tend to be.

Accurate information and early communication is essential. We communicate with staff, partners, and residents on their needs, concerns, and issues to develop efficient and cost-effective solutions. With this coordination, we develop strategies to best implement solutions. As an alternative is selected, our coordination efforts expand to increase project awareness and buy-in, communicating with utilities and right-of-way users, property owners, and project partners. The more extensive communication, accurate information, and data collected and verified, the more complete a project design becomes, reducing project risk, costs, and schedules.



A PROPOSAL FOR

Safe Routes to School

FOR THE CITY OF BRAINERD

June 28, 2024



Mr. Jessie Dehn, City Engineer/Public Works Director
501 Laurel Street
Brainerd, MN 56401

Re: Lowell Elementary School Safe Routes to School Improvements

Dear Mr. Dehn,

Congratulations on securing another Safe Routes to School infrastructure grant for the City of Brainerd. Since the initial SRTS plan was formulated in 2014, Brainerd has consistently achieved its goals of establishing safe and accessible routes for school children and other multi-modal infrastructure projects. As outlined below, WSB's team possesses unparalleled expertise in developing SRTS and multi-modal projects and has been deeply involved in creating the City's current Safe Routes to School Plan and Engineering Study. WSB offers the following to ensure another successful and effective project for Brainerd:

- **Successful Recent Project Experiences** - WSB successfully executed the City's recent Safe Routes to School project near Harrison Elementary, guided by findings from the City's Safe Routes to School Plan and Engineering Study. This proposed project closely mirrors the Harrison project, and with our experience from the previous project combined with lessons learned, WSB is uniquely positioned to deliver this project at the best value for Brainerd.
- **Expert Project Management** – In his tenure at WSB, Kelvin Howieson, WSB's proposed project manager, has focused on delivering Safe Routes to School projects in Brainerd, Monticello, and Mahtomedi, in addition to managing numerous state and federally funded trail projects for East Gull Lake, Prior Lake, and Stearns County. Kelvin's familiarity with the State Aid process and recent multimodal infrastructure projects provides Brainerd with unmatched expertise and value.
- **Robust Quality Standards** - Our proficiency in ADA/PROWAG and MnDOT design standards enables our team to foresee challenges and address issues proactively. WSB has implemented a comprehensive QA/QC and constructability review program for multimodal infrastructure projects to prevent changes in the field during construction. These quality standards ensure that Brainerd is safeguarded against unwarranted changes in project scope or change orders during construction.

Please contact me at 320.630.4657 or psandy@wsbeng.com with any questions about our qualifications or availability.

Sincerely,
WSB

Paul Sandy, PE
City Liaison



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Firm Overview



Forge ahead.

WSB is a design and consulting firm specializing in engineering, community planning, environmental, and construction services. Together, our staff improves the way people engage with communities, transportation, infrastructure, energy and our environment. We offer services that seamlessly integrate planning, design and implementation.

We share a vision to connect your dreams for tomorrow to the needs of today—the future is ours for the making.

1,250+
STAFF

50+
SERVICE AREAS

46
OFFICES

10
STATES

Alternative Project Delivery | Asset Management | Biogas | Bridges & Structures | City Engineering | Community Planning | Constructability Review | Construction Materials Testing & Special Inspection | Contractor Modeling | Drinking Water | Economic Development | Environmental Compliance | Geohazard Risk Management | Geospatial | Geotechnical Engineering | GIS Services | Grants & Funding | Health & Safety Compliance | Intelligent Transportation Systems | Investigation & Remediation | Land Development | Landscape Architecture | Managed Services | Natural Resources | Pavement Management | Pipeline | Project Management & Construction Administration | Public Engagement | Public Works Management | Right of Way | Roadway Design | Smart Cities | Solar | Survey | Sustainability | Technology Solutions | Traffic Engineering | Transit Planning | Transportation Planning | Urban Design | Vibration Monitoring | Visualizations | Water Resources | Water Reuse | Wind

Project Understanding



The City of Brainerd is requesting a proposal from WSB to implement Safe Routes to School (SRTS) improvements around Lowell Elementary School.

Since 2014, the City has excelled in securing federal and state grants for multimodal enhancements through the SRTS program. The original SRTS plan, established in 2014, has been updated periodically with the assistance of the Region 5 Development Commission and MnDOT. These efforts, combined with the City's commitment to securing and matching grant funds, have facilitated continuous improvements around Garfield Elementary, Harrison Elementary, and now Lowell Elementary. These enhancements, in conjunction with ISD 181's site upgrades, have created safe, pedestrian-friendly routes for students, teachers, and the general public accessing the school facilities.

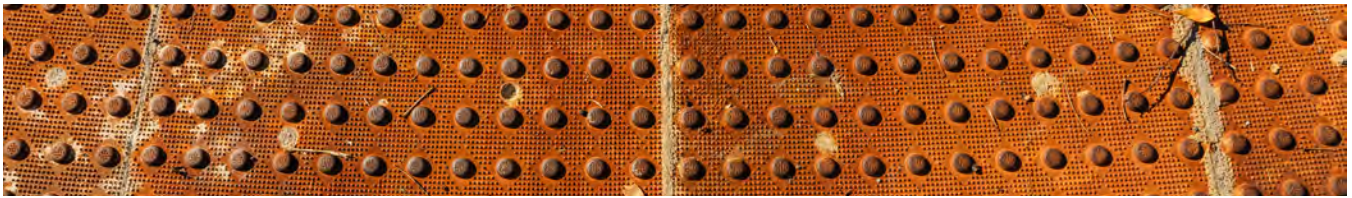
In the Winter of 2023/2024, MnDOT solicited grants for infrastructure projects through the state-funded MnDOT SRTS program. The City's current SRTS plan, along with the 2021 Engineering Study, has kept the City competitive in these grant solicitations. Recently, the City was awarded a \$650,000 SRTS Infrastructure grant from MnDOT to construct improvements near Lowell Elementary School.

According to the Engineering Study and the Request for Proposals, the project scope includes:

- Median placement and pedestrian refuge on H Street between 4th Avenue NE and 5th Avenue NE.
- Concrete sidewalks and ADA ramp upgrades.
- Curb extensions at the intersection of H Street and 4th Avenue NE and 5th Avenue NE.
- Pavement markings.
- Installation of Rapid Rectangular Flashing Beacons at 4th Avenue and 5th Avenue NE crossings of H Street.
- Placement of Dynamic Speed Signs for driver feedback.
- Signage.
- Landscaping.
- Site grading and restoration.



The proposed improvements for the Lowell Project are similar to those completed at Harrison Elementary by the City and WSB in 2023.



As part of this proposal, WSB offers to provide the City with comprehensive, turnkey services to deliver this project, including:

- Collaborating with City Staff and City Council on the final layout of the improvements.
- Conducting a topographic survey of existing conditions and small utilities to aid in scoping and permitting.
- Coordinating project improvements with School District staff.
- Engaging with property owners near the school site.
- Preparing detailed construction documents, including plans and specifications per State Aid and City standards.
- Coordinating with small utility owners for relocations and upgrades affected by the construction.
- Preparing detailed cost estimates at each stage of plan and specification preparation.
- Developing bidding documents, including contract provisions (instructions to bidders, general and supplementary conditions, contracts, bonds, insurance, and technical specifications).
- Soliciting project bids using OneOffice software, issuing addenda as needed, answering contractor inquiries, and preparing detailed bid tabulations and award recommendations.
- Providing construction administration services, including construction staking, observation, recording, and detailing installed project quantities, preparing partial and final pay vouchers, supplemental agreements, change orders, or field directives, and generally administering the contract per the construction documents.
- Preparing and distributing public information before and during construction as directed by City staff.
- Attending City Council meetings to report on progress as needed.



The WSB team has a proven track record of delivering SRTS projects in the community and possesses unique expertise from being involved in developing the City's current SRTS Plan and Engineering Study, ensuring successful project delivery for the City of Brainerd.

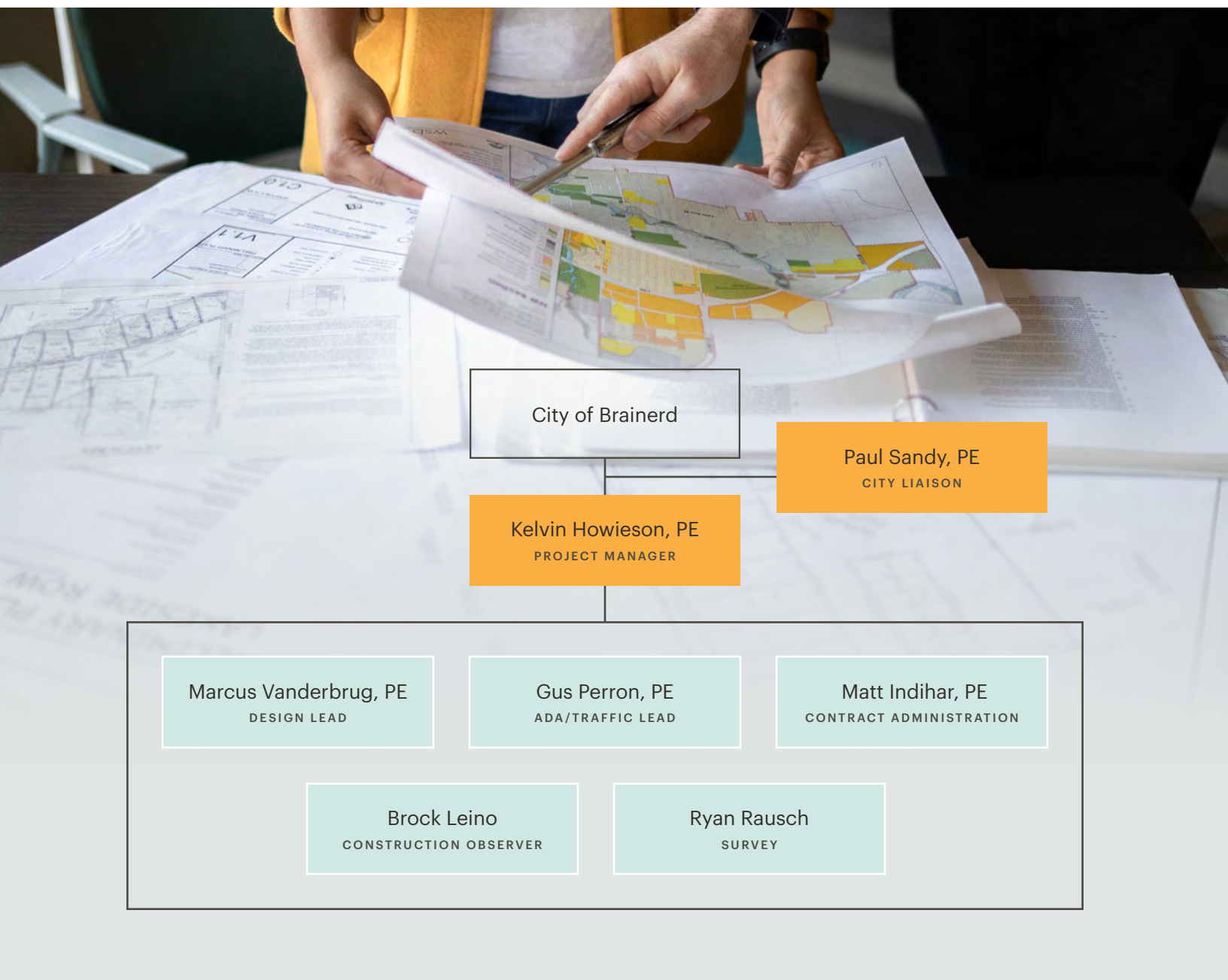


Project Team



The proposed WSB team brings extensive experience on similar projects and has the expertise to deliver the Lowell Elementary Safe Routes to School Improvements project.

We have assembled a multidisciplinary team of roadway, traffic, survey and construction professionals as shown in our organizational chart.





Paul Sandy, PE

PROJECT MANAGER

Paul is a highly skilled and dedicated professional with 13 years of industry experience delivering municipal and transportation projects across multiple states. Paul possesses a robust background in both the public and private sectors that brings a unique perspective to the consulting industry. Paul's expertise spans various facets of engineering including State Aid and Federal Aid design and delivery guidelines, municipal infrastructure, and asset management. Serving as Client Representative for multiple northern Minnesota communities, Paul brings his proven track record in capital improvement planning for streets and utility infrastructure and a deep understanding of communities needs in the outstate regions of Minnesota.

SERVICE GROUP:

Municipal

REGISTRATION:

Professional Engineer
Minnesota #53635

EDUCATION:

Bachelor of Science in Civil
Engineering, North Dakota
State University, 2011

MEMBERSHIPS:

American Public Works
Association (APWA) -
Outstate Committee Chair

City Engineers Association
of Minnesota (CEAM) - Past
President

Minnesota Society of
Engineers and Surveyors

South Industrial Park Feasibility Study | Benson, MN

CLIENT: CITY OF BENSON

PROJECT DURATION: SEPT 2021 - FEB 2023

Paul was the project manager for a comprehensive analysis and feasibility study for a future industrial park on the south side of Benson. The City of Benson owned a piece of raw farmland on the south side of the community and within City limits and is in need of more industrial park lots to spur additional industrial and commercial commerce in the City. Paul's team analyzed the feasibility of extending public utilities to the site, reviewed stormwater considerations for a fully developed parcel, looked at potential grant funding sources, and provided conceptual layouts and cost estimates to the City. The feasibility study will be utilized on future grant applications as the City tries to secure the funding for the future buildout of the industrial park.

2023 Street Improvement Project | East Gull Lake, MN

CLIENT: CITY OF EAST GULL LAKE

PROJECT DURATION: SEPT 2022 - NOV 2023

Paul was the project manager in charge of project design, bidding, and construction for the City of East Gull Lake's 2023 street improvement program, including securing funding through the Local Road Improvement Program (LRIP) for the relocation of Gull Lake Lane in East Gull Lake. Due to realignments of the County roads in East Gull Lake, access would have been cut off to Gull Lake Lane, which provided access to 3 homesteads and Gull Lake Resort on the east side of Gull Lake. Paul's design team designed the new Gull Lake Lane to State Aid standards to be eligible for LRIP funding, and subsequently managed construction and the grant agreement with the State of Minnesota to reimburse the City for a portion of their construction costs. The project also included safety improvements on Gull Point Road along with the addition of a 'share the road' trail in East Gull Lake that will become a future portion of the Gull Lake Trail.

Mississippi Landing Trailhead Park | Brainerd, MN

CLIENT: CITY OF BRAINERD

PROJECT DURATION: OCT 2021 - NOV 2022

This project consisted of a \$2.85 million city park development on East River Road that utilized LCCMR funds. Paul led a project management team of Park Board, Riverfront Committee, City Council, consultant, and staff members in the development of park amenities approved as part of the work plan submitted to the LCCMR Commission. The park includes a promenade, loop sidewalks and trails, canoe/kayak launch, river overlook structure, amphitheater, and restroom facilities. Located on the banks of the Mississippi River, the park had sensitive environmental considerations to consider during plan development.



Kelvin Howieson, PE

PROJECT MANAGER

Kelvin has 39 years of experience as a project engineer and project manager on transportation projects of all types. He is an expert resource regarding federal and MnDOT state aid practices and requirements and has experience in design, construction, and materials. He spent 24 years as a District State Aid Engineer with MnDOT and has coordinated funding with several city, county, state, and federal agencies on a variety of road, trail, and bridge projects. Since arriving at WSB, Kelvin has specialized in Pedestrian and Multi-Use Trail projects throughout Minnesota recently completing final plans for the OH Anderson Elementary School Safe Routes to School project consisting of new sidewalk, pedestrian crossings and rapid flashing beacons in the City of Mahtomedi.



SERVICE GROUP:

Transportation

REGISTRATION:

Professional Engineer
Minnesota #20739

EDUCATION:

BSCE - Bachelor of Science
Civil Engineering, North
Dakota State University,
1986

MEMBERSHIPS:

Minnesota Society of
Professional Engineers and
Surveyors (MSES)

Fallon Avenue Overpass | Monticello, MN

CLIENT: CITY OF MONTICELLO

Kelvin worked as the MnDOT project manager. This project consisted of a bridge over I-94 and three roundabouts at the intersections of Fallon Avenue and Chelsea Road, Fallon Avenue and 7th Street, and 7th Street and Washington Street. The project also includes multi-use trails, water main improvements, and landscaping.

TH 6/210 Pedestrian Underpass and Trails | Crosby, MN

CLIENT: CITY OF CROSBY, MNDNR

As local partnership project coordinator for MnDOT District 3, Kelvin guided City, DNR and consultant staff on working through the necessary state approvals for construction of this bikeway underpass on TH 6 and nearby Cuyuna Lakes State Trail along TH 210. Project needed to maintain drainage, relocated historic overlook, sewer force main relocation, cost share agreements and MnDOT bridge approval process.

CSAH 3 Reconstruction | Sauk Rapids, MN

CLIENT: BENTON COUNTY

Kelvin worked closely with City staff and consultants to review and approve this 4-Lane expansion project that included multiple funding sources from federal STP and TAP funds, state aid funding and Local Road Improvement funds. Several phases of the project needed coordination with FHWA including R/W purchasing and building demolition and removals. The project was awarded 2017 Project of the Year by the Minnesota County Engineers Association.

Beaver Island Trail Extension | Stearns County

CLIENT: STEARNS COUNTY PARKS DEPARTMENT

Kelvin is serving as project manager for Beaver Island Trail Extension, a new pedestrian and bikeway from City of St. Cloud to City of Clearwater. He has managed all phases of the preliminary and final design for the 4 mile 10' wide multi use trail including a coordinating bridge repairs at Plum Creek. This project consisted of meeting both federal, MnDOT and MnDNR Legacy fund requirements.



Marcus VanderBrug, PE



PROJECT ENGINEER

Marcus VanderBrug has been a Project Engineer and Graduate Engineer in the civil engineering field for over 7 years. Marcus began as an inspector with WSB's construction services group and is now part of the transportation group where he has been since 2014. Marcus has had numerous responsibilities that were critical to the transportation group which include plan production, design calculations, cost estimating and utility coordination. Marcus has developed and strengthened many engineering skills while working on County, State Aid and Trunk Highway Projects. These skills range from Microstation/GeoPAK modeling to his knowledge of design standards that need to be adhered to.

SERVICE GROUP:
Transportation

REGISTRATION:
Professional Engineer
Minnesota #56164

EDUCATION:
Bachelor of Science in
Civil Engineering, Calvin
University, 2011

TH 371 Four-Lane Expansion | Nisswa to Jenkins, MN

CLIENT: MATHIOWETZ CONSTRUCTION / MNDOT DISTRICT 3

PROJECT DURATION: JAN 2016 - SEPT 2016

Marcus was a graduate engineer on this project that expanded TH 371 from two lanes to four lanes between Nisswa and Jenkins. This project also included a new interchange along a new alignment, R-Cut and signalized intersections, a trail and pedestrian bridge. Marcus primarily focused on developing the roadway design calculations that were included with all the design packages. These included superelevation, clear zone, horizontal and vertical stopping sight distance and were needed to ensure design standards and requirements of Book 2 were met. Marcus also aided in plan production and other roadway design aspects such as trail design, guardrail design and profile grades at tie in points. In all this Marcus followed the quality processes to ensure all details were accounted for.

CSAH 39 Improvements | Wright County, MN

CLIENT: WRIGHT COUNTY

PROJECT DURATION: AUG 2019 - FEB 2020

Marcus is a project engineer for the final design of this project which converting a rural CSAH 39 to an urban section between Odean Avenue and CSAH 42. This project included three roundabouts, concrete median, bituminous trails and replacing both commercial and residential driveways. Marcus was tasked with the driveway designs, ADA pedestrian ramp designs, miscellaneous and drainage removals, and plan production. Marcus worked closely with the drainage staff to coordinate the drainage removals and followed all the quality control processes.



Gus Perron, PE

ADA



Gus is one of Minnesota's leading technical experts with accessible pedestrian facilities experienced in scoping, design, and construction. With nine years of professional experience, Gus also shares a traffic engineering background, giving him the ability to blend pedestrian accessibility with safety and mobility. APS and curb ramp design combine those specialized skillsets. Gus developed the foundation of his expertise while working full-time as augmented staff in MnDOT's ADA group, learning best practices for different project scopes across different environments, from high-volume interstate interchanges to commercial districts, residential neighborhoods, and even rural applications.

SERVICE GROUP:

Transportation &
Construction Services

REGISTRATION:

Professional Engineer (Civil)
Minnesota #56672
Colorado #64066

EDUCATION:

Bachelor of Science in Civil
Engineering, University of
Minnesota, 2013

Staff Augmentation (ADA) | Statewide, MN

CLIENT: MNDOT

DURATION: APR 2015 - CURRENT

As augmented staff in Central Office ADA Unit since 2015, Gus has worked directly with MnDOT staff in every District to implement MnDOT's ADA Transition Plan through scoping, design and construction. He has a strong understanding of MnDOT's ADA design expectations, Gus co-authored the curb ramp sections in MnDOT's Facility Design Guide. He has provided scoping and design recommendations on projects across Minnesota. He has reviewed hundreds of construction plans on MnDOT and State-Aid projects for ADA compliance, constructability, maintainability, and usability. He has even presented ADA and APS training at the MnDOT Signal and Lighting Certification course.

TH 169 Elk River | Elk River, MN

CLIENT: MNDOT DISTRICT 3

DURATION: SEPT 2020 - JAN 2022

A reconstruct of US 169 will introduce a freeway segment with three new single point urban interchanges (SPUI) and one overpass utilizing Construction Manager / General Contractor (CMGC) project delivery. Gus led the ADA design including APS push buttons at signalized intersections, curb ramps, sidewalks, trails, and accessible driveway crossings. Gus began the design process with an ADA Design Workshop to define pedestrian accessibility and mobility goals with District 3 and Central Office ADA Unit staff.



Matt Indihar, PE

SR. PROJECT MANAGER



Matt is a senior project manager in WSB's Construction and Design-Build Services Group and leads the Pavement Management group. He started his career at MnDOT where he over oversaw the construction program and staff. At WSB, he continues to build his legacy of delivering high quality construction projects. He assessments of many industry standards have led to reports and best practices guides used industry wide. Matt continues to move industry standards forward with his critical analysis and unique perspectives. His team performs pavement investigations and forensics for various municipalities in the states of MN, ND, and TX. Matt is proficient with several valuable pavement management tools such as Paver, Cartegraph, ArcGIS, and is a MnDOT trained Veta software operator. He has experience in recommending pavement maintenance and design strategies. Matt has led the development of the capital investment plans and infrastructure improvements for over 50 communities.

SERVICE GROUP:
Construction Services

REGISTRATION:
Professional Engineer

MN #54276

EDUCATION:
Bachelor of Science, Civil
Engineering, North Dakota
State University, 2012

CERTIFICATIONS:
Construction Site
Management

Landscape Specialist

ADA Construction
Inspection

Aggregate Production

Bituminous Street I & 2

Concrete Field 1 & 2

Grading and Base 1 & 2

Troxler Nuclear Gauge

MEMBERSHIPS +
RECOGNITIONS:
2019 Work Zone Safety
Award

OFFICE LOCATION:
Baxter, MN

MnDOT Materials Certification Review | Various Locations, MN

CLIENT: MNDOT

PROJECT DURATION: 2019 - 2021

Matt was responsible for reviewing and assess the current capabilities of MnDOT AASHTOWare Materials Module. This involved reviewing the next phase of updates to the materials testing module and looking for enhancements. This was done by MnDOT district personnel and taskforce/committee members to ensure the feedback from the Districts was carried through to the development team and addressed. It was a key task to determine what items related to materials testing must be included in the module development to make sure that Module would be functional and effective. The FHWA was consulted during this process to verify that their concerns were being addressed with this new system as well. Additional tasks were to assist with review and recommendations on how to improve the Schedule of Materials Control and the Independent Assurance process.

Effectiveness of Fog Seal on Chip Sealed Low Volume Road | Various Locations, MN

CLIENT: MNDOT D3

PROJECT DURATION: 2020 - 2022

As the Co-Principle Investigator on this project for the Local Road Research Board Matt lead the research initiatives and development of the project documents. This project involved reaching out to Counties and Municipalities throughout Minnesota to determine the experience within the state with applying fog seals to chip seals on low volume roads. Once a group of experienced roadway owners was determined data was gathered on existing practices, costs and project results. From this data the team was able to quantify the effectiveness of the fog seals applied to chip seals compared to a stand-alone chip seal project. Beyond that Matt and his team were able to develop a best practices guide based off all the data gathered and research done with on construction practices in other states. This project was proposed by several municipalities and has now provided data and resources for them to make informed decisions on this product and guidance on how to deliver a project with a high level of quality.



Brock Leino

CONSTRUCTION INSPECTOR

Brock is an Inspector in WSB's Construction and Design-Build Division with experience providing contract administration, inspection, and material testing on roadway improvement projects with state and federal funding. This experience includes the replacement of box culverts while working as an intern with MnDOT in District 2. As an Inspector on these projects, Brock gained an in-depth understanding for MnDOT Standard Specifications, standards plans, and the Schedule of Materials Control (SMC). Brock excels with developing working relationship to effectively resolve issues that arise in the field so the schedule and budget are maintained, in addition to coordinating with the contractor to provide detailed inspections, testing, and sampling.

SERVICE GROUP:

Construction

EDUCATION:

Bachelor of Science in
Construction Management,
North Dakota State
University, 2022

Minor in Business
Administration, North
Dakota State University,
2022

*Work done at a previous
firm

Lake Andrew Reconstruction | Sauk Rapids, MN

CLIENT: WATAB TOWNSHIP

PROJECT DURATION: AUG 2022 - SEP 2022

Brock was an Inspector and material testing technician on this township funded project where he provided oversight of the contractors work to ensure compliance with project plans and specifications. Brock was responsible for verifying proper procedures were followed during the reconstruction of the roadway. This included compaction verification using DCPs for material compliance, concrete testing, as well as inspections of BMPs for erosion control. Other responsibilities were completing daily inspection reports in OneOffice to document daily construction activities and the measurement and tracking of project quantities. Features of this project included 4,650 feet of roadway improvements in this residential area with full depth reclamation, subgrade excavation, and concrete curb and gutter. Other work included drainage improvements, adjustment of gate valves, sump pump connections and bituminous paving.

TH71 Double Box Culvert Replacements | Browerville, MN

CLIENT: MNDOT D3

PROJECT DURATION: JUN 2022 - JUL 2022

Brock served as an Inspector and material tester on this \$1.4M box culvert replacement, in Browerville at Harris and Drayer Creek. In this position, Brock contributed inspection services to ensure the contractor's compliance with MnDOT plans and specifications. Some items Brock was responsible for included takings DCPs during backfill operations, measuring and entering quantities into AASHTOWARE while completing DWRs (Daily Work Report), and collecting proper documentation of materials. Other responsibilities were inspections of BMPs using the app SWPPPTrack and checking proper elevations of grade with a transit. Features of this project were the installation of two double boxes measuring 10' x 8' at Harris and Drayer creek. Other activities included the installation of cable barrier, drainage improvements, ditch excavation and soil stabilization.



Ryan Rausch

SURVEY

Ryan is a National Society of Professional Surveyors Level III Certified Survey Crew Chief, Survey Technician, and licensed Part 107 UAS Pilot with 14 years of experience. He manages multiple projects and performs a variety of tasks including; horizontal and vertical control surveys, preliminary design surveys, construction staking, as-built surveys, UAS data capture and processing, and plan interpretation. Ryan has excellent problem solving abilities and has successfully managed and completed all surveying aspects of numerous city, county, and state projects with many diverse surveying situations. Ryan possesses great time management skills and effectively communicates with clients and contractors to build excellent working relationships.

SERVICE GROUP:
Construction Services

EDUCATION:
Honors Graduate, Land
Surveying and Civil
Engineering Technology
Program, St. Cloud
Technical and Community
College, 2009

MNDOT CERTIFICATIONS:
Aggregate production,
Bituminous Plant I,
Bituminous Street I &
II, Concrete Field I & II,
Concrete Plant I, Grading &
Base I & II

Mille Lacs County Roads 106, 112, 151 | Milaca, MN

CLIENT: MILLE LACS COUNTY

PROJECT DURATION: AUG 2018 - AUG 2020

This project included the design and construction of 3 separate county roads, improving them from a gravel surface to a widened bituminous surface. Ryan was the Survey Crew Chief for this project handling all survey related operations for WSB. His primary contributions to this project were the initial setting and maintenance of the horizontal and vertical control network, the original design survey including section breakdowns, right of way determination, platting, and staking, clear and grub staking, construction limit staking, key hubs for building and widening of the subgrade roadbed and ditches, centerline and driveway culvert staking, blue tops for the finished gravel surface, staking of edges and radii for bituminous paving, sign staking, layout of final striping, final plat monumentation, and the finished as-built survey.

TH 371 Four-Lane Expansion | Nisswa to Pequot Lakes, MN

CLIENT: MNDOT

PROJECT DURATION: APR 2016 - NOV 2018

WSB was hired by Mathiowetz Construction to partner on ten miles of divided highway with multiple interchanges, three bridges, two round-a-bouts and multiple county, township, city roads, and construction and realignment of the Paul Bunyan Trail between Nisswa and Jenkins which included the construction of two bridges for multi-use trail crossings. The construction cost for this project was \$42 million. WSB surveys performed the supplemental design surveys, utility surveys, and construction staking. Ryan was the Survey Crew Chief on this project responsible for all daily survey activities which included the setting and maintenance of the primary control network for all project surveying, utility staking for fiber optic, electrical, and natural gas line relocation, staking of storm sewer, curb and gutter, forcemain relocation for the City of Pequot Lakes, key stakes for grading, blue tops for subgrade and gravel, tie in verification, bridge staking, surcharge monitoring, edge of bituminous staking for paving, lighting staking, sign staking, staking for final ground-in striping, staking for right-of-way fencing, and final as-built surveys.

Previous Experience with State SRTS Funds



PROJECT EXAMPLE

Harrison Elementary Oak Street Improvements - Safe Routes to School

CLIENT: CITY OF BRAINERD

LOCATION: BRAINERD, MN

DURATION: AUG 2022 - OCT 2023



The WSB team collaborated closely with the City of Brainerd on the Harrison Elementary Safe Routes to School Improvements along Oak Street. The project involved constructing refuge islands, curb bump-outs, sidewalk repairs, ADA corrections, and installing a rapid flashing beacon. This initiative aimed to ensure safe passage for residents on the south side of Oak Street to Harrison School. WSB's responsibilities encompassed preliminary and final design, surveying, and construction administration.

KEY WSB STAFF: KELVIN HOWIESON, PAUL SANDY, MATT INDIHAR, RYAN RAUSCH



THIS PROJECT WAS FUNDED BY A GRANT FROM THE SAFE ROUTES TO SCHOOL PROGRAM.

Pinewood Elementary Safe Routes to School Improvements

CLIENT: CITY OF MONTICELLO

LOCATION: MONTICELLO, MN

DURATION: AUG 2022 - OCT 2023



The City successfully secured a \$500,000 grant from the Safe Routes to School program. The WSB team led by Project Manager Kelvin Howieson provided services to plan, design, and manage construction of improvements as identified in the Safe Routes to School grant application and in accordance with the Safe Routes to School plan and applicable city, county and MnDOT standards.

KEY WSB STAFF: KELVIN HOWIESON, MARCUS VANDERBURG, GUS PERRON



THE PROJECT INCLUDED:

- Addition of an enhanced pedestrian crossing at 3rd Street and Elm Street (CSAH 39) which will include curb-bump outs and rectangular rapid flashing beacons, and Rectangular Rapid Flashing Beacons (RRFB's).
- Update existing curb ramps to be ADA compliant at 3 intersections on Elm Street including the intersections of Broadway Street (CSAH 75), 3rd Street, and 4th Street. The project will also add sidewalk on the east side of Elm Street between Broadway Street and 6th Street.
- Construct sidewalk on 4th Street and 6th Street between Elm Street and Minnesota Street
- Signal upgrade at Broadway Street and Elm Street
- Temporary easement exhibits



THIS PROJECT WAS FUNDED BY A GRANT FROM THE SAFE ROUTES TO SCHOOL PROGRAM.

Gull Point Trail Extension

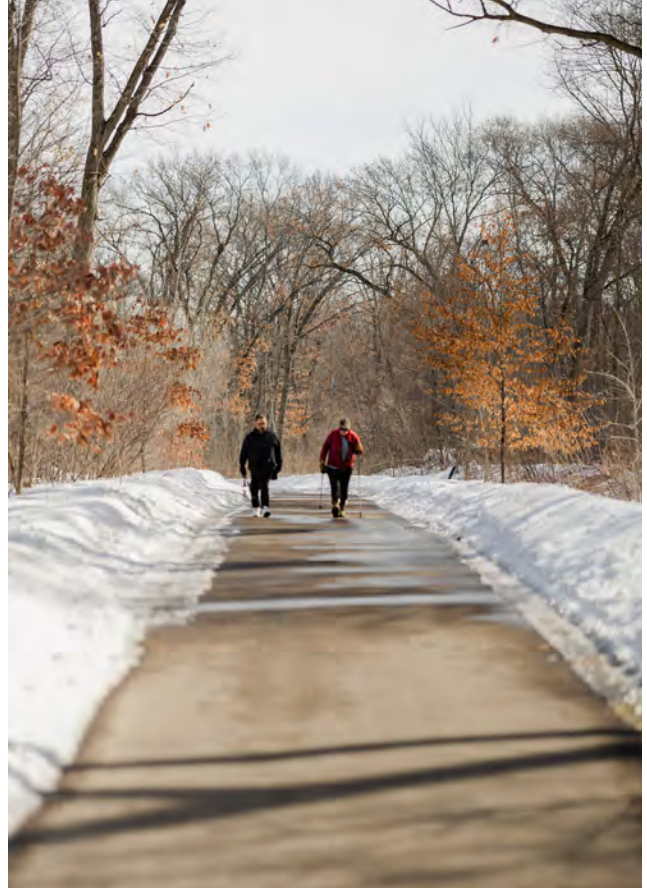
CLIENT: CITY OF EAST GULL LAKE

LOCATION: EAST GULL LAKE, MN

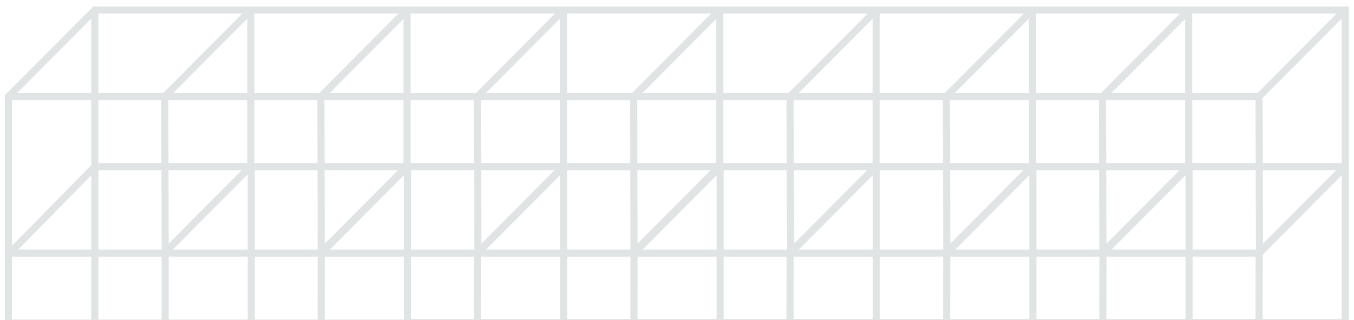
DURATION: SEPT 2022 - CURRENT

WSB was selected to develop engineering plans, project memo/CATEX, hydraulic analysis, permits, special provisions and construction inspection and testing for the new federally funded .70 mile trail connecting a gap in the East Gull Lake trail system with a bicycle/pedestrian bridge over a Gull Lake channel. WSB is managing all phases of preliminary, final design and construction administration for the 10' wide multi-use trail. WSB worked closely with SHPO and tribal contacts for archeological clearances due its location to the nearby Gull River. The project met federal, MnDOT, and MnDNR legacy fund requirements. WSB permitting staff lead by Alison Harwood handled all permit needs for WCA, MnDNR, MPCA and ACOE.

KEY WSB STAFF: PAUL SANDY, KELVIN HOWIESON, ALISON HARWOOD



**THIS PROJECT WAS FUNDED
BY A GRANT FROM FEDERAL
TRANSPORTATION ALTERNATIVES
PROGRAM.**



PROJECT EXAMPLE MATRIX

PROJECT	CLIENT	YEAR STARTED- COMPLETED		SERVICES PROVIDED:							
				FINAL PLANS & PROVISIONS	CONTRACT ADMINISTRATION	STATE AID/GRANT FUNDING	FEDERAL FUNDING	ADA COMPLIANT SIDEWALK	CURB EXTENSIONS/ PEDESTRIAN ISLANDS	MULTI-USE TRAIL	RRFB'S
CSAH 203 FRONT ST, BACKUS	CASS COUNTY, MN	2024	2024	●		●		●	●		
TH 13 TRAIL	PRIOR LAKE, MN	2023	2024	●	●	●	●	●		●	
OH ANDERSON ELEMENTARY SRTS	MAHTOMEDI, MN	2023	2024	●	●	●	●	●			●
GULL POINT TRAIL	EAST GULL LAKE,MN	2023	2025	●	●	●	●			●	
PINEWOOD ELEMENTARY SRTS	MONTICELLO, MN	2022	2023	●	●	●		●	●		●
HARRISON ELEMENTARY SRTS	BRAINERD, MN	2022	2023	●	●	●		●	●		●
BEAVER ISLAND TRAIL	STEARNS COUNTY, MN	2022	2023	●	●	●	●			●	



Project Approach and Work Plan



Project Management

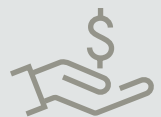
Project management is an essential task to ensure the project remains on schedule, on budget, and of high quality. Attentiveness to project management is particularly important for hitting milestones.

Kelvin Howieson, PE is experienced as a WSB Project Manager and MnDOT District 3 State Aid Engineer, which gives him a particular set of skills that makes him the perfect candidate to be the project manager on this project. Kelvin understands timeframes for submittals and when decisions need to be made to keep the project moving. Kelvin will be utilizing a Project Management Plan (PMP) throughout the project. This document will ensure that WSB and City of Brainerd are always on the same page and will keep everyone on track as it will include an issues log, decision matrix, schedule, and budget summary.

Kelvin will create a Project Management Team (PMT) and lead each meeting, providing the agenda and meeting minutes. The PMT meetings will include discussion on important decisions made and action items assigned to ensure the project progresses with consensus amongst PMT participants. The key decisions will be logged in to the PMP and provided in the meeting minutes, including the decision being made and the reason for it.



State Aid and City funding will be used for most project costs. Kelvin has extensive experience working on multiple types of federal and state aid projects throughout central Minnesota. His connections with MnDOT State Aid are proven to be valuable for quickly resolving any issues or questions that may arise during the life of the project.



Detail Design

Final roadway design and plan production will be led by Marcus Vanderbrug, PE. He will review and create vertical and horizontal alignments which will be checked against State Aid Reconstruction design requirements. All design components will be computed and implemented/stored with the project record documents. Marcus will create and coordinate with sub-design groups including traffic, hydraulics, and construction staff on the construction plan set per State Aid Design Checklist requirements. At a minimum, the final design plans will include title sheet, typical sections, estimated quantities and tabulations, in place removal and utility plans, miscellaneous details, construction plan and profile sheets, drainage plans, tabs and profiles, Stormwater Pollution Prevention Plan (SWPPP), erosion control and turf establishment, pavement marking, signal and signing plans, and cross sections.

Marcus will lead the utility coordination Process, following the MnDOT Utility Coordination Process, which will include identification of utilities and meetings to confirm depiction of utilities, host a design meeting to determine impacts and a meeting to discuss relocations and schedule of relocations.

Cost Estimates

WSB will develop the Engineer's Opinion of Probable Cost during each phase of the plan development. Cost estimates will be developed using MnDOT's current Standard Specifications and pay items following MnDOT State Aid Standards. Prior to each submittal WSB will perform a cost estimating review provided by Marcus Vanderbrug, PE to evaluate unit prices. Unit costs will be adjusted according to the recommendations of the cost estimate review. All estimates will be prepared meeting requirements for MnDOT State Aid review.



Special Provisions

Marcus will develop the Project Manual and Special Provisions for the project by providing a draft of the manual at 60%, 90%, and a certified, signed copy at the final stage in OneOffice format. WSB will follow MnDOT's 2020 Standard Specifications including MnDOT's Supplemental Specifications dated September 2022 to create the Project Manual and coordinate with City of Brainerd on specific special provisions.

Plan Review and Approval 60% and 95%

Kelvin Howieson, PE will provide 60%, 95%, and Final Signed Plan Sets to City of Brainerd. The plans will meet all MnDOT state aid requirements. At project completion, WSB will provide an electronic copy of the proposed CAD work in AutoCAD (.dwg) format which at a minimum will include the project's reference, shape, template, surface, standard files, etc. in AutoCAD Civil 3D format.

ADA/ Multimodal Improvements

WSB will initiate the ADA design process with a digital ADA field walk led by Gus Perron, PE to document preferred curb ramp designs, removal limits, utility impacts, and any other constraints in order to keep construction limits within right-of-way as feasible. Using a GIS based approach, WSB can compile its recommendations and findings and incorporate into the final geometric layout.

Gus will also lead the detailed design plans and recommendations for Dynamic Speed signs and Rapid Flashing Beacons (RRFBs). The WSB traffic group will also complete all necessary justification reports as required by MnDOT State Aid.



Survey

Ryan Rausch will lead our topographic and construction staking on the Lowell Safe Routes to School project. Ryan has vast experience performing construction staking on projects of similar size for roadway reconstruction and safety improvement projects. Our survey crew will perform preliminary design surveys, right of way surveys, and construction staking for the duration of the contract, in response to the contractor's needs. They will provide construction staking services to assure accurate and quality workflow in a timely manner to maintain the project's schedule. All our survey personnel are experienced in utilizing Trimble GPS equipment and Trimble Robotic Total Stations to ensure accurate and efficient staking procedures. They will utilize the full capabilities of their equipment for the use of detailed proposed surfaces for construction staking, allowing them to effectively respond to all project needs.

To support the goals of the City and the successful completion of this project, our Survey team will provide the following:

- Construction surveying and staking in timely coordination with contractor activities.
- Staking of pedestrian ramps to include zero-points, landing areas, and push-button locations, as well as additional needs.
- Assist in the development of as-built documents for project closeout.
- Preliminary design and right of way surveys for final plans.
- Assist with utility coordination.



Construction Services

Brock Leino will serve as the Construction Inspector for the duration of construction and will be responsible to represent Brainerd and perform all construction inspection and administration work. Brock is committed to working the hours necessary to meet the demands of the project and will be available to quickly address any issues or concerns related to the project. Brock will be responsible for the day-to-day inspection and documentation for all on-site activities and serve as the single point of contact in the field, as well as regular communication with essential stakeholders. Additionally, Brock will complete the following services requested in the RFP:

- Provide full-time on-site observation for verification of compliance with contract documents, project specifications, and plans.
- Maintain communication with Project Engineer and City.
- Keep a daily diary that documents construction personnel on-site, hours worked, construction equipment used, description of construction activities performed, and documentation of any field decisions.
- Serve as the City's representative for any adjacent property owner concerns, issues, or discussions.
- Measure and document the project's quantities, maintain an IRA log, and enter quantities into the WSB's OneOffice system.
- Communicate and coordinate with the contractor to maintain schedule and budget, and to schedule plant inspections, material testing, and surveying.
- Complete field materials testing as required by the contract and Schedule of Materials Control.
- Provide bituminous pavement and concrete field testing.
- Following the project, prepare and submit all construction documentation to the City, including an electronic set of as-built record drawings with all structure top and invert elevations.
- Construction administration for contractor compliance with wage and labor provisions.





MATERIAL TESTING LAB

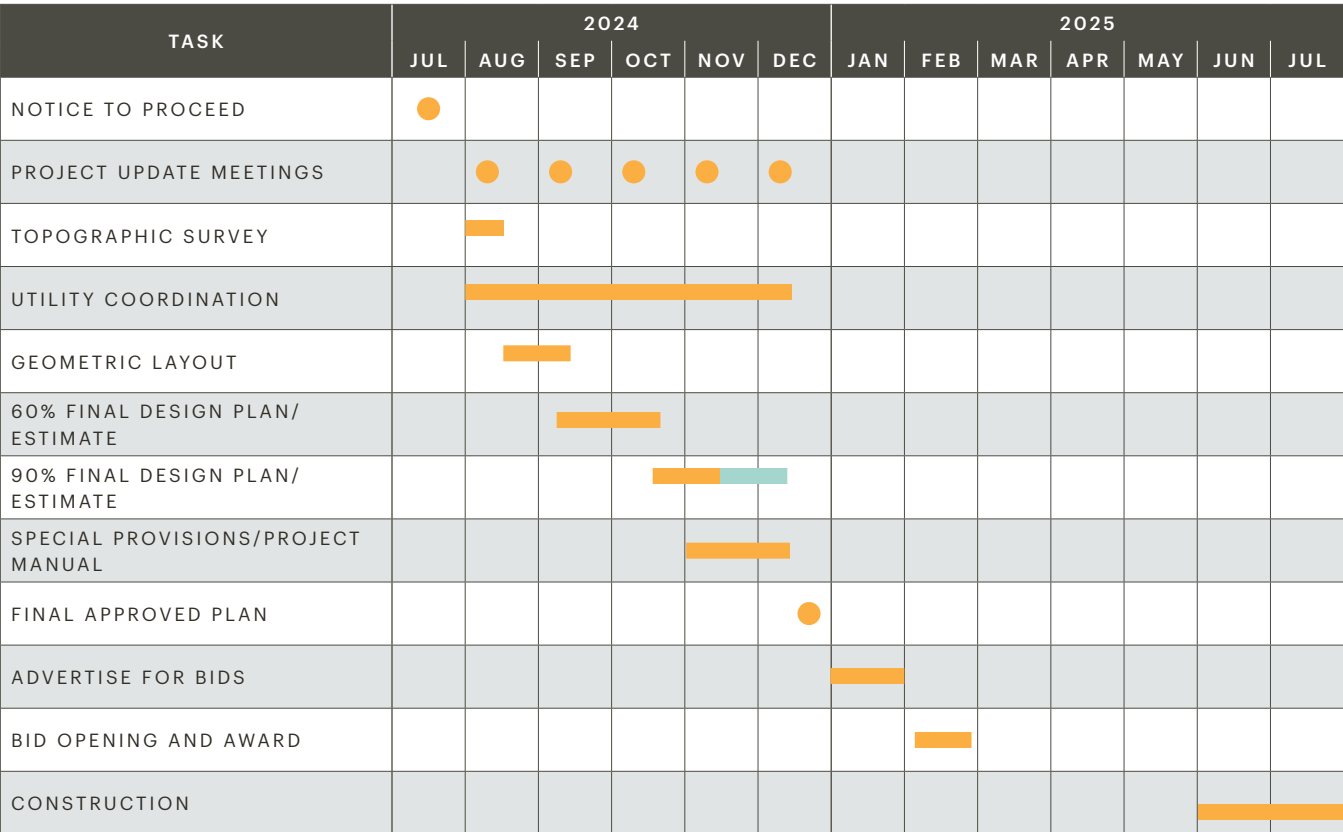
Material testing and sampling will be provided by WSB's inspector and lab team utilizing our AASHTO Accredited Laboratory. With over four decades of combined experience providing innovative and cost-effective construction materials testing, sampling, and inspection services in both public and private sectors amongst our Construction Material Testing (CMT) staff, WSB offers more than 100 different testing procedures for grading and base, concrete, and bituminous materials. As a company, we have provided testing services for over 50 federal, state, and state-aid funded projects each year.

For this project, WSB's material testing group will complete the following tasks:

- Complete laboratory material testing services as required by the contract and Schedule of Materials Control for compliance with materials incorporated into the project.
- Provide testing reports, lab results, and necessary documentation for compliance with state-aid requirements.
- Notify the Project Engineer, contractor, and City immediately of any failing results.



Project Schedule



■ TASK DURATION ■ MNDOT REVIEW



Anticipated Involvement from City of Brainerd Staff



- Attend project management team meetings.
- Attend council meetings and assist communicating with the public any project updates.
- Review and approve all preliminary and final design plan submissions.
- Review and approve all PS and E documents.
- Approve all change orders and pay vouchers.
- Submit project pay requests to MnDOT state aid finance.
- Provide all previously completed project related information AutoCAD, survey, geotechnical, ROW, and studies.



Local Knowledge, Experience and Delivery

Four WSB personnel live and work within 15 minutes of the project site and have in-depth knowledge of the project area.

- **Kelvin Howieson, Project Manager**, worked closely with MnDOT D3 state aid staff on multiple state aid and federal aid sidewalk and trail projects.
- **Matt Indihar, Construction Lead**, has extensive background working on construction projects in the central region of Minnesota.
- **Paul Sandy, City Liaison**, will be assisting with City of Brainerd knowledge and communication.
- **Ryan Rausch, Field Surveyor**, has extensive survey experience including working in the Brainerd area and for Crow Wing County Highway Department.

The remaining project personnel have all worked on projects for multiple jurisdictions in the Brainerd Lakes area and are familiar with project sites similar to this location.



SCOPE OF SERVICES PHASE / TASK DESCRIPTION		SENIOR PM. KELVIN HOWIESON	CLIENT REP PAUL SANDY	CONTRACT ADMIN MATT INDIHAR	TRANS. PROJ. ENG. MARCUS VANDERBRUG	ADA TRAFFIC LEAD GUS PERRON	SIGNAL DESIGN ERIC SIEBERLICH	SWPPP DESIGN NIKLAS MARTENSSON	ADMIN SUPPORT AMY REIN	WATER RESOURCES LEAD EARTH EVANS	WATER RESOURCES SUPPORT SARAH RISIUS	CONST. OBSERVER BROCK LEINO	OFFICE SURVEY RYAN RAUSCH	2-PERSON SURVEY CREW	TOTAL	
															HOURS	FEE
1.0 PROJECT MANAGEMENT																
1.1	PROJECT MANAGEMENT	12													12	\$2,844
1.2	PROJECT MEETINGS	5	5			2				2					14	\$3,151
	CITY COUNCIL MEETING (ASSUMED 1)															
	PROJECT KICKOFF MEETING (ASSUMED 1)															
	PROJECT UPDATE MEETINGS (ASSUMED 4)															
	PRE-BID MEETING WITH CITY STAFF (ASSUMED 1)															
SUBTOTAL		17	5			2				2					26	\$5,995
2.0 TOPOGRAPHIC SURVEY, PRELIMINARY AND FINAL DESIGN, PLANS, AND SPECIFICATIONS																
2.1	TOPOGRAPHIC SURVEY												8	8	16	\$3,488
2.2	GSOC COORDINATION				4										4	\$704
2.3	GSOC MEETING				2										2	\$352
2.4	PLANS				112	18	20	6		4	36				196	\$34,274
	TITLE SHEET															
	GENERAL LAYOUT															
	STATEMENT OF QUANTITIES/NOTES															
	CONSTRUCTION DETAILS															
	STANDARD DRAWINGS															
	MISCELLANEOUS DETAILS															
	DRAINAGE AND HYDRAULIC DESIGN/PLAN SHEETS															
	CONSTRUCTION PLANS (REMOVALS, PLAN AND PROFILE, UTILITY, TRAFFIC CONTROL, ADA)															
	STORMWATER POLLUTION AND PREVENTION PLAN (SWPPP)															
	CROSS SECTIONS															
	RRFB JUSTIFICATION REPORTS															
	RRFB AND DYNAMIC SPEED SIGN DETAILS															
2.5	PROJECT MANUAL (CITY FORMAT)	1	4		12										17	\$3,229
2.6	CONSTRUCTABILITY REVIEW			2											2	\$414
2.7	QA/QC PLAN REVIEW	4	4												8	\$1,828
2.8	PERMITS (NPDES)							2							2	\$258
2.9	MNDOT STATE AID SUBMISSION AND COORDINATION	6													6	\$1,422
SUBTOTAL		11	8	2	130	18	20	8		4	36		8	8	255	\$46,443
3.0 FINAL COST ESTIMATE																
3.1	ENGINEER'S OPINION OF PROBABLE COST	4	2		8										14	\$2,796
SUBTOTAL		4	2		8										14	\$2,796

- COST CONTINUED ON NEXT PAGE -

SCOPE OF SERVICES PHASE / TASK DESCRIPTION	SENIOR PM. KELVIN HOWIESON	CLIENT REP PAUL SANDY	CONTRACT ADMIN MATT INDIHAR	TRANS. PROJ. ENG. MARCUS VANDERBRUG	ADA TRAFFIC LEAD GUS PERRON	SIGNAL DESIGN TBD	SWPPP DESIGN NIKLAS MARTENSSON	ADMIN SUPPORT AMY REIN	WATER RESOURCES LEAD EARTH EVANS	WATER RESOURCES SUPPORT SARAH RISIUS	CONST. OBSERVER TBD	OFFICE SURVEY RYAN RAUSCH	2-PERSON SURVEY CREW	TOTAL		
														HOURS	FEE	
4.0 PROJECT BIDDING AND AWARD																
4.1 PROJECT BIDDING AND AWARD	6	2						6						14	\$2,600	
SCHEDULE BID OPENING TIME, DATE, AND LOCATION																
PREPARE NOTICES AND PUBLICATIONS																
ANSWER QUESTIONS DURING BID PHASE																
PREPARE BID TABULATIONS																
PREPARE AWARD RECOMMENDATION																
CONTRACTS, BONDS, AND INSURANCE																
SUBTOTAL	6	2						6						14	\$2,600	
5.0 CONSTRUCTION OBSERVATION AND ADMINISTRATION																
5.1 PROJECT MANAGEMENT		2	8											10	\$2,096	
GENERAL COORDINATION																
PROGRESS REPORTS, INVOICES, AND BILLING																
LABOR COMPLIANCE																
QUALITY CONTROL/QUALITY ASSURANCE																
5.2 ON-SITE CONSTRUCTION SURVEY, INSPECTION AND MATERIALS TESTING			10					6			240	8	22	286	\$38,596	
PRECONSTRUCTION CONFERENCE																
DAILY INSPECTION																
CONSTRUCTION STAKING																
SITE PROGRESS MEETINGS																
SUBMITTALS AND SHOP DRAWINGS																
CONTRACTOR QUESTIONS/ANSWERS																
PAY APPLICATIONS																
5.3 FINAL CLOSE-OUT		1	2								8			11	\$1,594	
PROJECT CLOSEOUT AND AS-BUILT PLANS																
PUNCHLIST																
ENSURE THA THE PROJECT IS COMPLETED CONSISTENT W/ APPROVED PLANS & ALL REQUIRED DOCS ARE FILED																
SUBTOTAL		3	20					6			248	8	22	307	\$42,286	
GRAND TOTAL HOURS	38	20	22	138	20	20	8	12	6	36	248	16	30	614	\$99,570	
HOURLY RATE	\$237	\$220	\$207	\$176	\$184	\$220	\$129	\$123	\$249	\$139	\$120	\$186	\$250			
GRAND TOTAL DIRECT LABOR COSTS	\$9,006	\$4,400	\$4,554	\$24,288	\$3,680	\$4,400	\$1,032	\$1,476	\$1,494	\$5,004	\$29,760	\$2,976	\$7,500		\$99,570	
REIMBURSABLE EXPENSES -																
PERMIT FEES: NPDES															\$410	
MATERIAL AND LAB TESTING															\$6000	
SUBTOTAL EXPENSES															\$6,410	
TOTAL FEE (HOURLY ESTIMATED FEE)																\$105,980



Approach to Managing Cost Controls

WSB has a long history of developing high quality plans and specifications for bidding. We pride ourselves on developing custom plans for each project and client and not recycle content from past projects that might not be current or applicable. This quality of design includes specific details that provide clear understanding for the contractor on design expectations, material selections, and sequencing requirements. We have found that developing high quality plans for the use of bidding and construction significantly reduced Change Orders and project overruns.

During construction, our construction administration staff are well trained and experienced to work with clients and contractors on unforeseen conditions. Our team has a clear understanding that we are hired as a representative of the client to ensure our clients get the best project within their budget. This may mean negotiating items that arise during construction in lieu of just paying out for all change orders requested by the contractor. Our team will control the construction process and conversations with the contractor and client so if scope changes, we can ensure the client that they received the best price possible before accepting any change order scope.



Forge ahead.



WSBENG.COM



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Authorize Advertisement - Imp 24-06 - Laurel Street Bridge Rehabilitation

AGENDA: SPW Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director **DEPARTMENT:** Public Works

PRESENTER: Jessie Dehn, Public Works Director **ESTIMATED TIME (MIN):** 5 Minutes

SUMMARY OF ISSUE: Staff is requesting authorization to advertise the Laurel Street Bridge repair project for bids. Included in the repair is a repair of the joint gland to prevent stormwater from entering the abutment as well as repair of the washout below the bridge adjacent to the east abutment. The repair of the washout would include fill, riprap and grouting. Attached is the Engineer's Estimate for this work.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: This work would be State Aid eligible. Staff is intending to bring bids back for an award recommendation at the 8/19 Council meeting.

RECOMMENDED ACTION/MOTION: Staff recommends authorization to advertise for bids - Improvement 24-06 - Laurel Street Bridge repair project.

FINANCIAL IMPACT: N/A

MINNESOTA DEPARTMENT OF TRANSPORTATION
CITY OF BRAINERD

CONSTRUCTION PLAN FOR REPAIRS TO BRIDGE NO. 18509

LOCATED ON LAUREL ST. FROM SW 4TH STREET TO EAST RIVER ROAD

STATE AID PROJ. NO. 108-104-012

PLAN SYMBOLS

STATE LINE
COUNTY LINE
TOWNSHIP OR RANGE LINE
SECTION LINE
QUARTER LINE
SIXTEENTH LINE
RIGHT-OF-WAY LINE
PRESENT RIGHT-OF-WAY LINE
CONTROL OF ACCESS LINE
PROPERTY LINE (Except Land Lines)
VACATED PLATTED PROPERTY
CORPORATE OR CITY LIMITS

TRUNK HIGHWAY CENTER LINE
RETAINING WALL
RAILROAD
RAILROAD RIGHT-OF-WAY LINE
RIVER OR CREEK
DRY RUN
DRAINAGE DITCH
DRAIN TILE
CULVERT
DROP INLET
GUARD RAIL
BARBED WIRE FENCE
WOVEN WIRE FENCE
CHAIN LINK FENCE
RAILROAD SNOW FENCE
STONE WALL OR FENCE
HEDGE
RAILROAD CROSSING SIGN
RAILROAD CROSSING BELL
ELECTRIC WARNING SIGN
CROSSING GATE
MEANDER CORNER
SPRINGS
MARSH/SWAMP

TIMBER
ORCHARD
BRUSH
NURSERY

CATTLE GUARD
OVERPASS (Highway Over)
UNDERPASS (Highway Under)
BRIDGE

BUILDING (One Story Frame)
F-FRAME C-CONCRETE
S-STONE T-TILE
B-BRICK ST-STUCCO

IRON PIPE OR ROD
MONUMENT (STONE, CONCRETE, OR METAL)
WOODEN HUB

BENCHMARK
GRAVEL PIT
SAND PIT
BORROW PIT
ROCK QUARRY

UTILITY SYMBOLS

POWER POLE LINE
TELEPHONE OR TELEGRAPH
POLE LINE
JOINT TELEPHONE AND POWER
ON POWER POLES
ON TELEPHONE POLES

ANCHOR
STEEL TOWER
STREET LIGHT
PEDESTAL (TELEPHONE CABLE
TERMINAL)

GAS MAIN
WATER MAIN
CONDUIT
TELEPHONE CABLE IN CONDUIT
ELECTRIC CABLE IN CONDUIT

TELEPHONE MANHOLE
ELECTRIC MANHOLE
BURIED TELEPHONE CABLE
BURIED ELECTRIC CABLE
AERIAL TELEPHONE CABLE

SEWER (SANITARY)
SEWER (STORM)
SEWER MANHOLE
HANDHOLE
CATCH BASIN
FIRE HYDRANT

BEGIN CONSTRUCTION
S.A.P. 108-104-012



IN-PLACE BRIDGE 18509

END CONSTRUCTION
S.A.P. 108-104-012

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL D. THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF CI/ASCE 38-22, ENTITLED, "STANDARD GUIDELINES FOR INVESTIGATING AND DOCUMENTING EXISTING UTILITIES".



PROJECT LOCATION
CROW WING COUNTY
DISTRICT D3

MINN. PROJ. NO.

GOVERNING SPECIFICATIONS

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

ALL TRAFFIC CONTROL DEVICES SHALL CONFORM TO THE LATEST MMUTCD, INCLUDING THE LATEST FIELD MANUAL FOR TEMPORARY TRAFFIC CONTROL ZONE LAYOUTS.

SHEET NO.

INDEX

1	TITLE SHEET
2	GENERAL PLAN AND ELEVATION, STATEMENT OF ESTIMATED QUANTITIES
3	TRANSVERSE SECTION, BRIDGE DETAILS
4-5	TURF ESTABLISHMENT AND EROSION CONTROL
6	TRAFFIC CONTROL PLAN

THIS PLAN CONTAINS 6 SHEETS



7533 SUNWOOD DRIVE N.W.
RAMSEY, MINNESOTA 55303
Phone: (763) 433-2851
Email: Ramsey@bolton-menk.com
www.bolton-menk.com

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

PRINT NAME: RYAN R. EVANS LICENSE # 53920

DATE: 06-13-2024 SIGNATURE: *Ryan R. Evans*

Andjela Tomovic 6/28/24
CITY ENGINEER:
APPROVED

Andjela Tomovic
Digitally signed by Andjela Tomovic
Date: 2024.07.02 10:27:26 -05'00'

DISTRICT STATE AID ENGINEER:
REVIEWED FOR COMPLIANCE WITH STATE AID RULES/POLICY

Andjela Tomovic
Digitally signed by Andjela Tomovic
Date: 2024.07.02 10:27:44 -05'00'

FOR STATE AID ENGINEER:
APPROVED FOR STATE AID FUNDING

S.A.P. 108-104-012

SHEET NO. 1 OF 6



**BOLTON
& MENK**

Real People. Real Solutions.

ENGINEER'S ESTIMATE OF PROBABLE CONST. COST - BRIDGE NO. 18509

State Aid Project No. 108-104-012

Bolton & Menk, Inc.
7533 Sunwood Drive NW
Suite 206
Ramsey, MN 55303
Phone (763) 433-2851
Fax (763) 427-0833
5/13/2024

ITEM NO.	ITEM	UNIT	TOTAL	UNIT PRICE	EXT. PRICE
2021.501	MOBILIZATION	LS	1	\$15,000.00	\$15,000
2433.603	RECONSTRUCT EXPANSION JOINT TYPE SPECIAL	LF	133	\$250.00	\$33,250
2511.507	RANDOM RIPRAP CLASS IV	CU YD	145	\$130.00	\$18,850
2514.504	CONCRETE SLOPE PAVING	SQ YD	78	\$250.00	\$19,500
2563.601	TRAFFIC CONTROL	LS	1	\$8,000.00	\$8,000
2573.503	SEDIMENT CONTROL LOG TYPE WOOD CHIP	LF	100	\$10.00	\$1,000
2573.503	SILT FENCE TYPE HI	LF	100	\$10.00	\$1,000
2575.501	TURF ESTABLISHMENT	LS	1	\$5,000.00	\$5,000
Contingency (0%)					\$0
CONSTRUCTION COST, BRIDGE NO. 18509					\$102,000



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Authorize Advertisement - Police Department Exterior Repairs Project

AGENDA: SPW Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Jessie Dehn, Public Works Director **DEPARTMENT:** Public Works

PRESENTER: Jessie Dehn, Public Works Director **ESTIMATED TIME (MIN):** 5 Minutes

SUMMARY OF ISSUE: Staff is requesting authorization to advertise the Police Department exterior repair project for bids. Included in the project is EIFS repair, window and door replacements, roof replacement, and other miscellaneous repairs. There is \$582,000 total budget included for this project. Removing the design and construction services from Widseth, there is approximately \$550,000 remaining for construction of the project. Attached is the Cost Estimate for this work.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: Originally in the scope of work, the project included sidewalk ramp ADA improvements, as identified in the facility study. Based on the first cost estimate and comparison to the budget, this was removed from the scope of work to focus on the building repairs. The Cost Estimate shows a total estimate of \$527,200, plus a 20% contingency totaling \$632,640. At this time, staff is recommending to bid the project as shown to determine actual bid costs for the work. From that point, if adjustments would be needed to meet the budget, staff can work with Widseth and the contractor to find opportunities to save costs.

RECOMMENDED ACTION/MOTION: Staff recommends authorization to advertise the Police Department exterior repair project for bids.

FINANCIAL IMPACT: N/A

BRAINERD PD EXTERIOR REMODEL

WIDSETH PROJECT #2024-10723

LAST UPDATED

7/10/2024

PROJECT COSTS								
COMMUNITY SERVICES								
DIVISION	CATEGORY		VENDOR	DESCRIPTION	QTY	UOM	COST PER UNIT	TOTAL
DIVISION 01	GENERAL REQUIREMENTS							
				GENERAL REQUIREMENTS (TYPICALLY 11-13% OF CONSTRUCTION PROJECT COSTS)	1	LS	\$75,000.00	\$75,000.00
				TEMPORARY WALLS, DUST, NOISE CONTROL AROUND WINDOW DEMOLITION AREA	500	SF	\$6.00	\$3,000.00
							SUB-TOTAL	\$78,000.00
DIVISION 02	SITE CONSTRUCTION							
							SUB-TOTAL	\$0.00
DIVISION 03	CONCRETE							
				REMOVE AND REPLACE SIDEWALK SECTIONS FOR ADA COMPLIANCE	0	LS	\$35,000.00	\$0.00
							SUB-TOTAL	\$0.00
DIVISION 04	MASONRY							
							SUB-TOTAL	\$0.00
DIVISION 05	METALS							
				STAINLESS STEEL KICK PLATE WITH BACKING	1	EA	\$250.00	\$250.00
							SUB-TOTAL	\$250.00
DIVISION 06	WOOD AND PLASTICS							
							SUB-TOTAL	\$0.00
DIVISION 07	THERMAL AND MOISTURE PROTECTION							
				EPDM ROOF REPLACEMENT, ADDED CRICKETS AND SCUPPERS	1	LS	\$325,000.00	\$325,000.00
				EFIS REPAIR AND CAULKING	1,800	SF	\$20.00	\$36,000.00
							SUB-TOTAL	\$361,000.00
DIVISION 08	DOORS AND WINDOWS							
				INSULATED EXTERIOR HM DOORS AND FRAMES	3	EA	\$5,000.00	\$15,000.00
	WINDOWS MEET NEW MN ENERGY CODE			STOREFRONT WINDOWS	12	EA	\$1,750.00	\$21,000.00
	ONE INTERIOR AND ONE EXTERIOR			REPLACE VESTIBULE DOORS WITH SECURITY GLAZING AND PRIVACY FILM	2	EA	\$2,000.00	\$4,000.00
				MIRROR FILM ON WEST SIDE HIGH EXISITNG WINDOW PANELS	7	EA	\$200.00	\$1,400.00
							SUB-TOTAL	\$41,400.00
DIVISION 09	FINISHES							
				EXTERIOR PRESSURE WASHING AND PAINTING	10,350	SF	\$3.00	\$31,050.00
				PATCH SHEETROCK RETURNS AT WINDOWS	1	EA	\$4,500.00	\$4,500.00
				SALVAGE AND REINSTALL EXISTING SOLID SURFACE WINDOW SILLS	1	EA	\$3,500.00	\$3,500.00
							SUB-TOTAL	\$39,050.00
DIVISION 10	SPECIALTIES							
							SUB-TOTAL	\$0.00
DIVISION 11	EQUIPMENT							
							SUB-TOTAL	\$0.00
DIVISION 12	FURNISHINGS							
							SUB-TOTAL	\$0.00
DIVISION 13	SPECIAL CONSTRUCTION							
							SUB-TOTAL	\$0.00
DIVISION 14	CONVEYING SYSTEMS							
							SUB-TOTAL	\$0.00
DIVISION 21	FIRE SUPPRESSION							
							SUB-TOTAL	\$0.00
DIVISION 22-25	MECHANICAL							
							SUB-TOTAL	\$0.00
DIVISION 26-28	ELECTRICAL							
				WALL PACK LIGHT WITH WIRING TO PANEL	4	SF	\$1,250.00	\$5,000.00
				ACCESS CONTROLS	1	EA	\$2,500.00	\$2,500.00
							SUB-TOTAL	\$7,500.00
CONSTRUCTION PROJECT								\$527,200.00
						CONTINGENCY %		20%
						CONTINGENCY \$		\$105,440.00
						TOTAL		\$632,640.00
OWNER PROVIDED ITEMS								
	ITEM		VENDOR	DESCRIPTION	QTY	QTY	COST PER UNIT	TOTAL
	PERMITS							
				BUILDING PERMIT city webste	1	LS	\$0.00	\$0.00
	SOFT COSTS							
	SIGNAGE							
TOTAL								\$0.00
TOTAL PROJECT COST								\$632,640.00



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Discuss MN State Delegation Agreement

AGENDA: P&F Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Kris Schubert, Human Resources
Director, James Kramvik, Community Development
Director

DEPARTMENT: HR

PRESENTER: Kris Schubert, Human Resources
Director, James Kramvik, Community Development
Director

ESTIMATED TIME (MIN): 5 Minutes

SUMMARY OF ISSUE:

Brainerd's Building Official Darrin Deseth submitted a State Delegation Agreement application to the MN Department of Labor and Industry (DOLI) as he recently completed the tutorial requirements for the State's Delegation Agreement. DOLI informed the City that Mr. Deseth does not meet the minimum requirements for delegation review of inspections with the MN State Building Code on schools, hospitals, nursing homes, colleges, dormitories, correctional facilities or other buildings having elements in at least five of the following component categories:

- Structural;
- Fire-resistance;
- Egress;
- Mechanical;
- Fire protection;
- Miscellaneous: hazardous materials storage or control rooms, atriums, auditoriums, stages, grandstand-type bleacher seating structures, pedestrian walkways, emergency power systems.

However, Building Official Deseth does qualify for "Reserved Delegations". With that, our immediate options are as follows:

1. Continue with the status quo. Scott Saduski remains under contract as Brainerd's State delegated inspector for state projects.
 - a. The city currently can charge 25% plan review fees and full permit fees for all "State" projects with 75% of the collected fees going to Scott Saduski.
2. Terminate Scott Saduski's contract. Receive a "Reserved Delegation" agreement with the state.

- a. The City would be able to charge up to 25% of the normal plan review fee and the full normal permit fees for projects categorized as “reserved”.
- b. State projects that do not fall into this category would be reviewed, permitted, and inspected by the state. The city would not be able to charge or receive any fees for these projects. (Country Manor would be included in this category)

As defined by the state, reserved projects include the following, but are not limited to the following:

- roof covering replacement that does not add roof load;
- towers requiring special inspections;
- single-level storage buildings not exceeding 5,000 square feet;
- exterior maintenance work, including replacement of siding, windows, and doors;
- HVAC unit replacement that does not add roof load or ventilation capacity;
- accessibility upgrades not involving building additions or structural alterations;
- remodeling that does not change the building’s occupancy, structural system, exit access or discharge pattern, or mechanical load.

NOTE: A full delegation agreement and a reserved delegation agreement cannot exist at the same time. Darrin has already received his State Delegation to inspect plumbing permits.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

We learned that even though Mr. Deseth accompanied Mr. Sadusky on several recent state projects in Brainerd, DOLI does not recognize that inspection experience as DOLI only recognizes inspection experience when the individual accompanies an Inspector employed by the State of MN. DOLI has invited Mr. Deseth to contact them about projects that may qualify in the future, but with the lack of “complex” projects in the City of Brainerd that meet five of the “Component Categories” required by MN DOLI, it is unknown when a full delegation agreement would be granted. Therefore, Staff recommends allowing Mr. Deseth to contact DOLI requesting his participation and attendance at inspections that would qualify for the Delegation Agreement experience that would be within 90 miles of Brainerd. Brainerd would pay Mr. Deseth his normal wage and mileage while participating in this Delegation inspection training.

RECOMMENDED ACTION/MOTION:

Motion to:

1. Terminate Scott Saduski’s Building Inspection delegation contract with a 45-day written notice. The notice shall indicate that Scott Saduski shall no longer issue permits but shall be permitted to conduct the remaining inspection on permits previously issued.
2. Apply for the “Reserved Delegation” agreement with the DOLI.
3. Allow Mr. Deseth to contact DOLI to participate in inspections within 90 miles of Brainerd that would qualify for the Delegation Agreement experience.

FINANCIAL IMPACT:

**CITY OF BRAINERD-
BUILDING INSPECTION SERVICES AGREEMENT WITH
SADUSKY RENOVATIONS, INC.**

THIS AGREEMENT, made and entered into this 4th day of May, 2020, by and between the City of Brainerd, a municipal corporation of the State of Minnesota (the "City"), and Sadusky Renovations, Inc., a Minnesota corporation.

WHEREAS, Scott Sadusky is the Chief Executive Officer of Sadusky Renovations, Inc. and a Certified Building Official licensed by the State of Minnesota's Department of Labor and Industry for delegated projects and has declared his desire to perform building code inspection services for the City, working with third parties where necessary to comply with licensure requirements; and

WHEREAS, Mr. Sadusky and Sadusky Renovations, Inc. are, individually and collectively, referred to as State Delegated Building Official unless otherwise indicated; and

WHEREAS, State Delegated Building Official wishes to enter into a contract with the City, as an independent contractor, to provide his service, labor, and expertise as a State Delegated Building Official to provide information to City customers or City staff as needed, and to perform other legally permissible duties and functions as assigned by the City Administrator, and the Community Development Director, and City Building Official; and

WHEREAS, State Delegated Building Official is authorized to, and is capable of, working elsewhere, and is free to carry on any other activity he sees fit, within his own discretion, provided that he performs the tasks undertaken for the City; and

WHEREAS, the City and State Delegated Building Official believe it to be in their respective best interests to enter into this Agreement according to the terms and conditions hereinafter set forth.

NOW THEREFORE, in consideration of the mutual promises herein, the sufficiency of which are hereby acknowledged, it is agreed between the parties as follows:

STATUS AS INDEPENDENT CONTRACTOR

1. **Designation of State Delegated Building Inspector.** The City designates State Delegated Building Official as the City's building official for state delegated projects. It is recognized that State Delegated Building Official may rely on the assistance of others to perform the services addressed by this Agreement, but that Scott Sadusky shall ultimately be accountable for the performance of his firm. It is also recognized with this agreement that Scott Sadusky perform inspections for the City for state delegated projects. It is further recognized that Scott Sadusky shall perform cursory state delegated plan review for the City.
2. **Independent contractor.** State Delegated Building Official is an independent contractor and is not an employee of the City.
3. **No benefits.** The City shall not provide benefits of any sort typically the responsibility of an employer to an employee, including, by way of illustration, but not necessarily limited to, paid vacations, sick days, holidays and overtime.

4. No withholdings. The City shall not withhold monies for payment of federal or state income taxes, social security benefits, or other employee related benefits for Building Inspector. State Delegated Building Official shall be responsible for all of his tax, unemployment and related estimates, if any.
5. Employment insurances. The City shall not be responsible for and shall not carry worker's compensation insurance or unemployment compensation insurance, nor shall it incur other typical employee expenditures, for the benefit of State Delegated Building Official.
6. Vehicle. State Delegated Building Official shall provide a satisfactory motor vehicle to perform inspections. State Delegated Building Official shall maintain a valid driver's license.
7. Liability. To the fullest extent permitted by law, the State Delegated Building Official agrees to defend and indemnify the City, and its officers, employees, and against all claims, damages, losses, and expenses, arising out of or resulting from the performance of work under this Agreement; except to the extent the city is obligated under Minn. Rule 1300.0110, subd. 9, to defend the State Delegated Building Official for claims challenging the interpretation or enforcement of building codes or other pertinent laws or ordinances. The State Delegated Building Official agrees this indemnity obligation shall survive the completion or termination of the Agreement.
8. Method of Services. State Delegated Building Official shall perform his services using his independent judgment in the execution of his duties as such duties may be assigned to him from time to time by the City.

SERVICES RENDERED AND RESPONSIBILITIES

9. Code updates. In recognition of changing state and federal building codes and practices in the building trades, and the need for the City to remain in current with its policies, State Delegated Building Official shall be responsible for monitoring changes on the City's behalf.
10. Testifying. In the event State Delegated Building Official is called upon to testify on behalf of the City at a court appearance or otherwise, the City shall compensate State Delegated Building Official at \$95/hr. including travel time to and from the site of said testimony.
11. Professional appearance. State Delegated Building Official shall conduct his services for the City in a courteous and professional manner and shall maintain a professional appearance at all times when performing services on behalf of the City.
12. Reporting. State Delegated Building Official shall provide the following reporting information, without additional charge or compensation:
 - a.) Inspection reports. Records of each inspection performed for each individual permitted project. These records are vital in the event that there is a dispute. An inspection shall be deemed completed only if there is a record of the date and time of such inspection.
 - b.) Final Inspections (Certificate of Occupancy). The Certificate of Occupancy shall be provided to the City upon issuance. The City and State Delegated Building Official recognize the importance of communicating with the Building Official and City staff when a structure is fit for occupancy.

14. Response time. State Delegated Building Official shall perform inspections within a reasonable amount of time.
15. Mileage, training, lodging and meals not paid. The City shall provide no additional compensation to the State Delegated Building Official for mileage for travel, training, lodging or meals relating to performance of services to the City.
16. System of charges. The following method shall be employed in determining the compensation that shall be provided to State Delegated Building Official:
 - a.) Rate Schedule. The established system of charges for State Delegated Building Official's services related to existing State of Minnesota Delegated projects shall be \$95.00 per hour including drive time, which is effective on April 22, 2020. The established system of charges for all new delegated projects are 75% of the building permit fee. The rate schedule shall be subject to change at any time in the form of amendments to this Agreement, by mutual consent expressed in writing, approved and accepted by both parties.
 - b.) Plan Review. The established system of charges for State Delegated Building Official's plan review services shall be 75 percent of the City's plan review fee. The rate schedule shall be subject to change at any time in the form of amendments to this Agreement, by mutual consent expressed in writing, approved and accepted by both parties.
 - c.) Hourly rate. The State Delegated Building Official shall be compensated at the rate of \$95.00 per hour for matters not otherwise addressed by this Agreement.
 - d.) Miscellaneous. If compensation for an activity of the State Delegated Building Official is not expressly established by this Agreement, then it is agreed that it is the intent of this Agreement that both the City and Building Inspector mutually determine, first, whether compensation shall be provided for that specific service, then the extent of such compensation, if any. Any such compensation must be reasonable and not inconsistent with prevailing practice in Crow Wing County. Such agreement may be by verbal understanding, but shall be in writing if requested by either party.
17. Billing timing and format. State Delegated Building Official shall submit invoices for services paid on an hourly basis at least once per month. Invoices for services paid as a percentage of the building permit fee and plan review fee shall be submitted pursuant to the phasing schedule created by the State Delegated Building Official and accepted by the City Building Official. An invoice shall contain at least the following information: 1) The pay period beginning and end dates; and 2) the dates and total hours worked per date. The City's current payment procedures provide for City Council review of payments prior to issuance, at a typical rate of twice each month at the regularly scheduled semi-monthly meetings. Accordingly, the City shall process State Delegated Building Official invoices for payment through the City Council within 35 days of receiving the invoice. The City shall however make a good faith effort to process invoices within 15 days of receiving an invoice. In the event of a dispute concerning an invoiced item, the city shall withhold payment without penalty for thirty days (30) to resolve the matter. In the event the matter is unresolved the city shall escrow funds until the matter is resolved.
18. Minor responsibilities.

- a) The City shall provide the following:
 - a. Administrative Professional services for permit application submittals, scheduling inspections, and permit issuance.
 - b. Complete plan reviews for state delegated projects.
 - c. Use of a photocopy machine for permit projects;
 - d. Inspection forms;
 - e. Building Code Books available for viewing or reference.
 - b) State Delegated Building Official shall furnish the following:
 - a. A constant supply of business cards for distribution by City Staff;
 - b. Building Code Books and other Code Publications to be used in the field; and
 - c. Maintain a work cell phone and email correspondence to communicate with City staff.
19. Errors. In the event that an error is made by the State Delegated Building Official, he shall inform the City promptly and remedy the matter, if practical, after consultation with the City.
20. Termination and departure. This Agreement shall terminate only upon delivery of written notice by one party to the other, and only in accordance with the procedure provided herein.
- a) If by Building Inspector. State Delegated Building Official may terminate this Agreement by providing 45 days written notice to the City. The City shall determine whether State Delegated Building Official shall perform the remaining inspections for permits previously issued, or whether they will be completed by the new State Delegated Building Official. All records pertaining to incomplete projects shall promptly be delivered to the City. City shall be entitled to the State Delegated Building Official's full cooperation in receiving old records in State Delegated Building Official's control and State Delegated Building Official shall cooperate at any and all times with respect to dealings of any sort, upon request of the City, to be compensated as described in Section 16 above.
 - b) If by City. The City may terminate this agreement with 45 days written notice without cause. In the event the City provides a notice of termination, the City shall determine if the State Delegated Building Official will continue to issue permits during the 45 day notice period, and whether the State Delegated Building Official shall be permitted to conduct the remaining inspections on permits previously issued. If the City determines that it will not permit the State Delegated Building Official to conduct any remaining inspections, then the State Delegated Building Official may invoice for hours worked but yet to be paid, consistent with the compensation provisions above. The records provisions described in Paragraph 20 (a), above, shall govern.

GENERAL

21. Legal compliance. State Delegated Building Official shall comply with all federal, state and local laws, ordinances, rules and regulations.

22. Assignment. State Delegated Building Official shall not assign his obligations hereunder without express written agreement from the City.

23. Notices. Delivery of notices shall be deemed sufficient if delivered personally, or by regular U.S. mail, to the following addresses

City of Brainerd
c/o David Chanski, Community
Development Director
501 Laurel St.
Brainerd, MN 56401

Sadusky Renovations, Inc.
c/o Scott Sadusky, Principal/Owner
26121 Old Mill Rd
Merrifield, MN 56465

24. Amendment, modification and waiver. No amendment, modification or waiver of any condition, provision or term shall be valid or of any effect unless made in writing, signed by the party or parties to be bound or a duly authorized representative, and specifying with particularity the extent and nature of such amendment, modification or waiver. Any waiver by any party of any default of another party shall not affect or impair any right arising from any subsequent default.

25. Discrimination. State Delegated Building Official shall not, by reason of race, creed or color, in hiring, discriminate against a person or persons who are citizens of the United States or who are resident aliens and who are qualified and available to perform the work to which this employment relates, or in any manner discriminate against or intimidate or prevent the employment of such persons or, on being hired, prevent or conspire to prevent such a person or persons from the performance of work as described herein on account of race, creed or color.

26. Indemnification and hold harmless. State Delegated Building Official shall hold harmless and indemnify the City from and against any and all expenses, costs, damages and liabilities, including attorney's fees and costs, incurred or sustained by the City as a result of State Delegated Building Official's alleged and real acts or omissions in performance of this Agreement, or in the event that the State Delegated Building Official's status as independent contractor is questioned and determined to be otherwise.

27. No other warranties. Other than those expressly stated herein, the City has made no other warranties or representations and State Delegated Building Official has not relied on any such warranties or representations, express or implied, relative to this Agreement.

28. Binding effect. This Agreement shall be binding on and shall inure to the benefit of the parties hereto and to the assigns, executors, personal representative, heirs and successors of the parties.

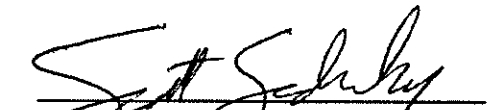
29. Minnesota law. This agreement shall be construed and enforced in accordance with the laws of the state of Minnesota. Any dispute between the parties shall be venued in the District court in and for the County of Crow Wing, State of Minnesota.

In witness whereof, the parties have caused this agreement to be executed to be effective the date and year set forth above.

CITY


Dave Badeaux, Mayor

STATE DELEGATED BUILDING OFFICIAL


Scott Sadusky, Sadusky Renovations, Inc.

ATTESTED BY:


Jennifer Bergman, City Administrator



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Update on Public Utilities Director Hiring Process

AGENDA: P&F Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Kris Schubert, Human Resources
Director

DEPARTMENT: HR

PRESENTER: Kris Schubert, Human Resources
Director

ESTIMATED TIME (MIN): 5 Minutes

SUMMARY OF ISSUE: Public Utility Director interviews will be conducted on July 10, 2024. Staff will provide an update at the Council meeting regarding the hiring process.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

RECOMMENDED ACTION/MOTION:

FINANCIAL IMPACT:



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Consider Authorization to Pay off BPU Advancement

AGENDA: P&F Committee

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Connie Hillman, Finance Director

DEPARTMENT: Finance

PRESENTER: Connie Hillman, Finance Director

ESTIMATED TIME (MIN): 5 Minutes

SUMMARY OF ISSUE:

In May of 2023, to pay for the IAFF lawsuit settlement, the City borrowed \$1 million from BPU and \$500,000 from the LMCIT. The \$500,000 has been paid off interest free, and one payment has been made on the BPU loan. It was thought that \$1.5 million would be recognized as other financing sources in 2023 (like with any other debt) and would bring up our fund balance as a percentage of expenditures, and the City would be closer to being in compliance with our fund balance policy.

Only the \$500,000 loan from the LMCIT was recognized as other financing sources in 2023, the \$1 million was not. With the change of the reporting entity in 2023, BPU being reported as an enterprise fund of the City instead of a component unit, per GASB, the \$1 million had to be accounted for as an advancement from other fund, and the loan and repayment are balance sheet adjustments only.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

The loan was scheduled to be paid off in December of 2028. Staff is recommending to pay off the loan effective 8/1/2024 in the amount of \$910,490 (principal of \$892,589, interest of \$17,901) saving \$62,760 in interest costs. The repayment will be covered by the investments maturing in 2024 and the \$125,000 levied in 2024 for the repayment.

RECOMMENDED ACTION/MOTION:

Authorize Staff to pay off the Advancement from BPU as of 8/1/2024.

FINANCIAL IMPACT:



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Adopt Resolution Denying Interim Use Permit at 1918 Thiesse Dr

AGENDA: Main

ACTION REQUESTED: Adopt Resolution

SUBMITTED BY: James Kramvik, Community
Development Director

DEPARTMENT: Community Development

PRESENTER: James Kramvik, Community
Development Director

ESTIMATED TIME (MIN): 5 min

SUMMARY OF ISSUE:

VCV Digital Infrastructure Minnesota, LLC applied for an interim use permit for outdoor storage as a principal use to operate a crypto-mining facility at 1918 Thiesse Dr (PID 41060508).

The City Council considered this request at their regularly scheduled July 1st, 2024 meeting and unanimously recommended denial of the interim use permit based on the sound levels at the residential properties and the inconsistencies with the Brainerd Comprehensive Plan.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

Staff has drafted a resolution with findings for the City Council to approve the denial of the interim use permit for outdoor storage as a principal use to operate a crypto-mining facility at 1918 Thiesse Dr.

RECOMMENDED ACTION/MOTION:

Approve the resolution denying the interim use permit for outdoor storage as a principal use to operate a crypto-mining facility at 1918 Thiesse Dr.

FINANCIAL IMPACT: N/A

RESOLUTION

No. ____:24

RESOLUTION DENYING INTERIM USE PERMIT

WHEREAS, VCV Digital Infrastructure Minnesota, LLC applied for an interim use permit for outdoor storage as a principal use to operate a crypto-mining facility at 1918 Thiesse Dr (PID 41060508); and

WHEREAS, the property is zoned GI - General Industrial; and

WHEREAS, adjacent zoning is GI - General Industrial and RR 2.5 – Rural Residential 2.5 (Crow Wing County); and

WHEREAS, an interim use permit is required for outdoor storage as a principal use; and

WHEREAS, the Planning Commission recommended denial of the interim use permit by a 3-2 vote; and

WHEREAS, Zoning Code section 515-5-3.B.2 states that uses defined as Interim Uses which do not presently exist within a respective Zoning District shall be processed according to the standards and procedures for a Conditional Use Permit as established by Section 515-5-2 of this Ordinance; and

WHEREAS, Zoning Code section 515-5-2.B.6.a-g provides that the Council shall consider the advice and recommendations of the Planning Commission and the effect of the proposed use upon the health, safety, morals and general welfare of occupants or surrounding lands.

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COUNCIL OF BRAINERD, MINNESOTA:

1. Consistent with section 515-5-2, the Council approves the following findings:
 - a. “The proposed use shall preserve the objectives of this Ordinance and shall be consistent with the Comprehensive Plan.” Only applications that “serve, in a general way the needs of the citizens” shall be considered.
 - i. *Economic Development Goal 3 - Policy 2 - Attract new businesses best suited for the community’s assets, increasing local employment options and building the city’s tax base.*
 1. *The project is expected to consume 25 megawatts of power.*

2. *The project fails to materially increase local employment as only sixteen jobs are expected to be added.*
 3. *One job is expected to be created for every 1.5 megawatts of power usage, which is not an efficient use of the City's assets.*
 - ii. *Housing Goal 1 - Policy 5 - Ensure an adequate supply of quality and affordable housing units for current and future residents.*
 1. *Over one hundred homes could be powered for every one employee working at the facility. The high energy demand is potentially detrimental to the City's ability to prepare for future housing needs as the 2020 Crow Wing County Housing Study stated that 4,800 additional units must be created between 2018-2033 to meet the demands of the region.*
 - iii. *Facilities & Infrastructure – Goal 3 - Policy 5 - Steer city development to energy and resource conservation by promoting renewable energy sources, protecting our water supply, and leveraging the hydroelectric dam.*
 1. *The power for this facility would be purchased from the grid and will be the responsibility of the City in the future when the City is required by the State of Minnesota to use entirely carbon-free electricity sources by 2040. The City utilizes hydro-electric power and has recently partnered with AEP to construct solar fields to become more carbon neutral. This facility greatly increases the energy needs for the City and will make it significantly more difficult in the future to meet the State mandate.*
2. According to Section 515-3-28.7 Noises emanating from the outdoor storage use are in compliance with and regulated by the State of Minnesota Pollution Control Standards.
- a. The proposed outdoor crypto mining facility will operate 24 hours a day.
 - b. Under MPCA standards, residential property is deemed to be within Noise Area Classification 1. Within that classification, during nighttime hours (10:00 p.m. to 7:00 a.m.), the noise levels cannot exceed 55 dBA for 10 percent of the time or 50 dBA for 50 percent of the time.
 - c. VCV provided a sound study map showing that, at their property lines, parcels 75060520 and 75060522 will experience nighttime sound levels that exceed the 50 dBA standard.
 - d. While the homes on the parcels are not at the property lines, the expected sound levels will exceed state standards on the properties.

3. For the stated reasons, the application for an interim use permit for outdoor storage as a principal use to operate a crypto-mining facility at 1918 Thiesse Dr is denied.

Adopted this __ day of July, 2024.

Kelly Bevans, Council President

Approved this __ day of July, 2024.

Dave Badeaux, Mayor

ATTEST: _____
Nicholas W. Broyles, City Administrator



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Central Business District Incentive Policy

AGENDA: Main

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: James Kramvik, Community Development Director

DEPARTMENT: Community Development

PRESENTER: James Kramvik, Community Development Director

ESTIMATED TIME (MIN): 5 min

SUMMARY OF ISSUE:

P&F COMMITTEE RECOMMENDATION

At the July 1st City Council meeting, the Council reviewed options for the proposed Central Business District Incentive Policy. The following options were provided by staff:

1. Recommend approval of the EDA proposed Central Business District Map with the same incentives as the River to Rail District.
2. Separate the map into zones and only waive SAC and WAC in the original River to Rail District.
3. Add or reduce the properties within the Central Business District Map.

The City Council motioned and approved the EDA's recommendation with the same incentives as the River to Rail District.

EDA CENTRAL BUSINESS DISTRICT INCENTIVE POLICY

At the April 4th, 2024 EDA meeting, the Board discussed options to expand the incentive district further than what staff originally proposed. At the June 6th EDA meeting, the Board recommended the Central Business District Incentive Policy include all properties along Washington St/ Hwy 210 from the eastern limits of the City to the western limits of the City and South 6th Street to Buffalo Hills Ln East. The program would align with the original River to Rail District Incentive Policy which waives all SAC and WAC fees and would expire in 2029. In addition to the SAC and WAC fees, the policy waives all building permit fees for projects with a valuation of \$150,000 or less.

BRAINERD PUBLIC UTILITIES COMMISSION MEETING

The Brainerd Public Utilities Commission reviewed the potential expansion of the River to Rail District and had concerns about forgiving SAC and WAC fees in such a large area. They stated that Brainerd has an aging infrastructure in which the fees could be utilized. Commission members are interested in forgiving SAC and WAC for select projects that are adding jobs or improving the local economy, but would like to review these on a case-by-case basis. The Commission decided to take no action and did not provide a recommendation to City Council. However, there was a consensus that they were not in

favor of the proposed policy as presented. They are open to revisiting the idea and targeting smaller areas for redevelopment.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

Staff created the final Central Business District Incentive Policy document as directed by the City Council at the July 1st meeting. The Policy includes all incentives from the original River to Rails Incentive corridor and has the same review/ expiration date of July 2nd 2029.

RECOMMENDED ACTION/MOTION:

Approve the Central District Incentive Policy as presented

FINANCIAL IMPACT:

City of Brainerd, Minnesota Central Business District Incentives Policy

1. Policy Introduction

The Central Business District Incentives Policy focuses on the area of Brainerd, Minnesota bound by the Mississippi River on the west, the Northern Pacific Center on the east, Oak Street on the south, and Washington Street on the north. In addition, the policy also focuses on two major corridors which include 6th Street South to Buffalo Hills Lane East and Washington Street/ Highway 210 from the east to west City boundary. In recent years, momentum to revitalize the core downtown of Brainerd has been building due to the hard work of several organizations including the City of Brainerd, the Brainerd HRA, the Brainerd Lakes Area Chamber of Commerce, the Brainerd Lakes Area Economic Development Corporation, Sourcewell, and the Region 5 Development Commission. These organizations, along with entrepreneurs and developers, worked together to create a shared vision for this core area of Brainerd known as the River to Rail Initiative. The Central Business District Incentives Policy expands on the River to Rail Initiative by incorporating all of Washington Street/ Highway 210 and the majority of 6th Street South.

2. Policy Purpose and Need

Generally, the City of Brainerd City Council finds it necessary and advantageous to outline specific policy decisions it has made for the Central Business District corridor as it relates to potential development incentives that developers or entrepreneurs can tap into as resources to complete important projects within the Central Business District corridor. The incentives in this policy provide baseline guidance to staff, City Council members, developers, entrepreneurs, and economic development agencies about what options are available to promote development, redevelopment, and economic vibrancy to the corridor.

This policy is not intended to be an exhaustive list of all the City of Brainerd is willing to make available for potential investors within the corridor, nor is it meant to mean that the City will not consider these same incentives in other areas of the community; rather it is meant to be a trial run at an economic development policy that provides as a guiding document for potential investors that want to develop or re-develop areas within the corridor, and may be expanded in the future to include all of Brainerd upon success stories shared due to this policy.

3. Policy Statement

The following incentives, based upon City Council action, are available for use within the Central Business District corridor and may vary due to project construction costs as outlined further in this policy:

- Waiving of City Building Permit Fees (not including State of Minnesota surcharge). This does not waive the requirement to obtain a permit, but rather just the fee.
- Waiving of Sewer and Water Availability Charges (SAC and WAC)
- Tax-Increment Financing
- Tax Abatement
- Parking Assistance
- Land Acquisition

These listed incentives do not limit potential investors from tapping into other resources available within the community for financial assistance including the following list:

- City of Brainerd/Brainerd HRA Revolving Loan Fund
- EDA Façade Improvement Grant
- Brainerd HRA Small Cities Development Program (SCDP) Grants
- Brainerd Lakes Area Economic Development Corporation Unified Fund Loans
- Brainerd Public Utilities Economic Development Electric Rate Reduction if applicable based on load capacity.
- Opportunity Zone Assistance
- New Market Tax Credits
- State and Federal Historic Tax Credits

Waiving of City Building Permit Fees

Generally, the Brainerd City Council has elected to waive City building permit and inspection fees for all construction projects less than \$150,000 in total construction costs. This does not waive the requirement to obtain a permit or the ability for investors that exceed this threshold the ability to see reduction or waiver of fees during the development or re-development negotiation process. This does not include a waiver of the State of Minnesota surcharge, which is a requirement of all building permits within the City.

Waiving of Sewer and Water Availability Charges (SAC and WAC)

The City of Brainerd City Council has elected to waive all sewer and water availability charges (SAC and WAC charges) within the Central Business District corridor, as identified in the introduction.

Tax-Increment Financing (TIF)

Generally, tax-increment financing (TIF) is available for construction projects in excess of \$1,000,000 total construction costs. However, upon the proof of need shown by the investor that the development would not occur without the assistance of tax-increment financing, the Brainerd City Council is willing to negotiate the term and amount of increment with said investor. All tax-increment financing applications must be approved by the Brainerd City Council, upon completion of negotiations.

Tax Abatement

Tax abatement may be considered if tax increment financing is not an option because the project doesn't qualify under state law or the project is not in excess of \$1,000,000.

- Tax abatement will be considered on the new proposed value created, not the land or buildings' existing or "base" value (base being a definition related to tax increment financing).
- Tax abatement will be considered only if the County is requested to participate, although the City's provision of abatement is not contingent upon the County agreeing to participate.
- The Council will carefully deliberate abatement requests that ask for the maximum amount and term, only agreeing to provide abatements for the maximum amount and term where the developer can support the request with evidence of special need, or the proposal is for a project that is a high priority for the Council.
- Although not required by state law, abatement projects will be required to meet the "but-for" test as defined in the Tax Increment Financing statute.

Parking Assistance

Generally, the Brainerd City Council is willing to negotiate parking needs of the proposed development to come to a mutually beneficial parking solution to serve both the new investment and other areas within the Central Business District corridor.

Land Acquisition

The Brainerd City Council continues to seek opportunities to acquire blighted property and make the property marketable for future investment including the razing of old structures, beautifying said property, or any other means to make property marketable and attractive to potential investors.

4. Policy Conclusion

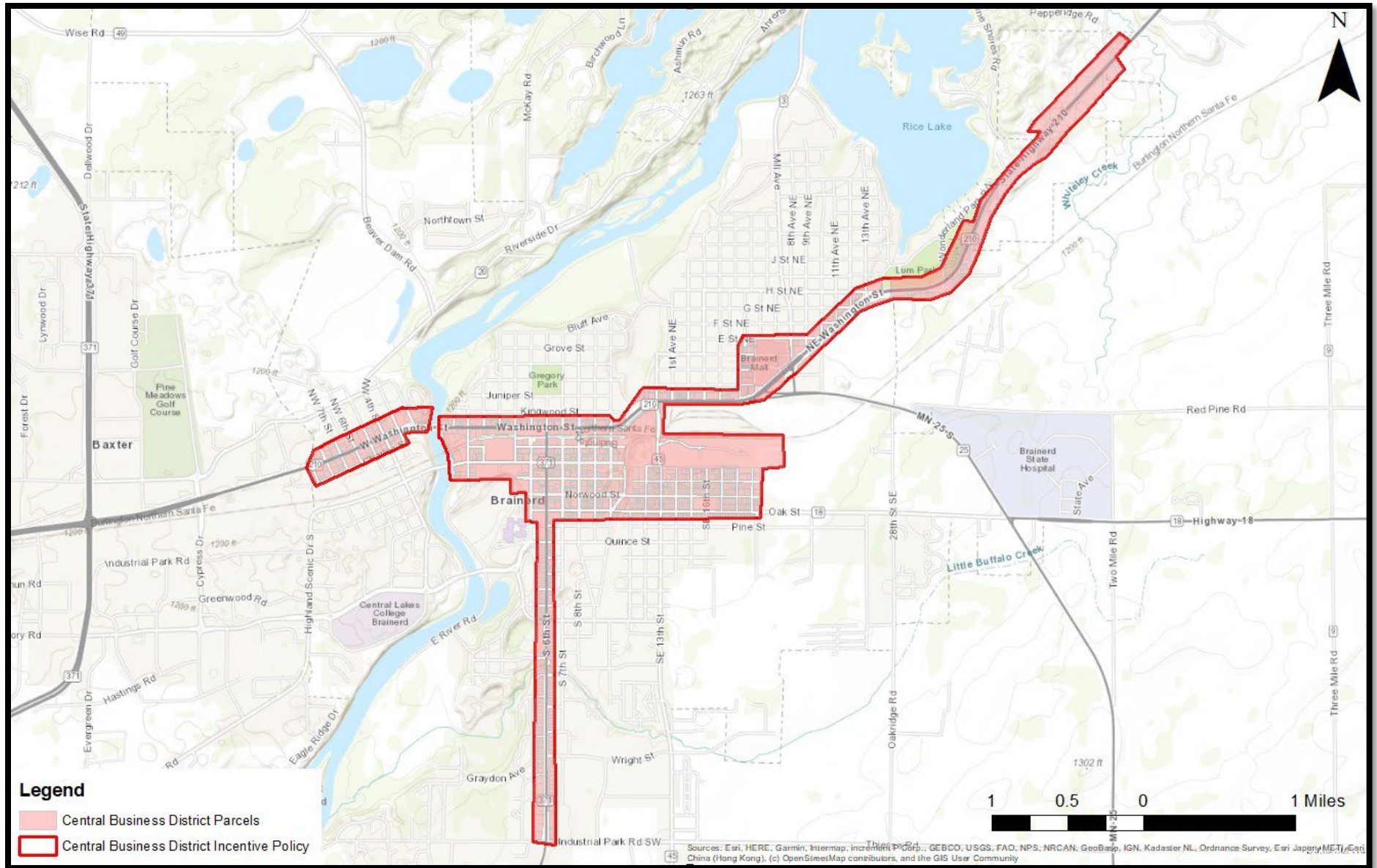
It is the intent of this policy to assist investors and entrepreneurs to make small or large investments in the Central Business District corridor and to inform on the potential incentives available to promote incremental or large changes within this core area of Brainerd.

The incentives and funding mechanisms presented in this policy are all negotiable during the development agreement process, and the City of Brainerd City Council has indicated is not tied to any specific threshold of development for each incentive. This list is to provide for opportunities for incentives and is not intended to close the door on any development request or proposal.

Term

This policy shall be reviewed before its expiration on July 2, 2029 to evaluate its effectiveness. It shall be reviewed, amended, renewed, or revoked after that review.

Central Business District Incentives Policy Map



From: [Dolly Matten](#)
To: [James Kramvik](#)
Subject: Addressing Aging Infrastructure: Balancing Development and Costs
Date: Thursday, July 11, 2024 1:10:58 PM

*** **Warning:** External sender, use extreme caution with attachments and links ***

James,

I found a few articles and tips that address some of the concerns I have, from a utility side, regarding development. (I am NOT speaking on behalf of the commission. I am only providing my thoughts since the commission had asked to revisit the request from EDA to expand the mapping area of River to Rails districts) Had we been told that we were expected to make a recommendation at our last meeting – we would not have asked to revisit this again in July.

I wanted to share these ideas because many assume that waiving building permit fees or waiving sac/wac fees will cause the “feeding frenzy” for developers to want to set up shop. I’m a firm believer that we (City) need to actively solicit specific types of industries, businesses, and housing developments - **strategically**. Simply expanding the River to Rail districts to encompass all of Brainerd’s higher-profile areas and allowing 4-5 year window to do so is not the answer and offers no urgency or guidance. Actively pursuing developers, listening to their needs, providing reliable staff guidance, and welcoming attitude of the city, building up infrastructure and caring for the assets that are already in existence is why people choose to settle in an area. What are we missing?

As cities and districts across the country face the challenges of aging infrastructure, we are confronted with the dual financial burdens of costly replacements and expensive maintenance. Balancing these needs while encouraging development without negatively impacting current residents is a critical issue.

Here are a few ideas on how to encourage development while managing these costs effectively:

1. ****Public-Private Partnerships:****

- Engage in partnerships with private enterprises to share the financial burden of infrastructure improvements. This can attract investment while limiting the cost impact on residents. Examples: Fergus Falls Regional Treatment Center Redevelopment:** - The city of Fergus Falls has partnered with private developers to redevelop the former Fergus Falls Regional Treatment Center. This historic site is being transformed into a mixed-use development that includes residential, commercial, and public spaces, funded through a combination of public grants and private investment.

Mankato Civic Center Expansion:** -The Mankato Civic Center, now known as the Mayo Clinic Health System Event Center, underwent an expansion funded through a combination of public and private investments. The city of Mankato partnered with local businesses and private donors to finance the project, which included the addition of new event spaces and upgrades to existing facilities.

Duluth Entertainment Convention Center (DECC):** - The DECC in Duluth has engaged in partnerships with private entities to support the development and enhancement of its facilities. This includes collaborations with local businesses for event sponsorships, facility improvements, and the construction of additional amenities like the AMSOIL Arena.

2. ****Incentivize Green Development:****

- Offer incentives for sustainable and green development projects that can reduce long-term maintenance costs. Encourage developers to integrate eco-friendly technologies and practices.

3. ****Utilize Grants and Federal Funding:****

- Actively pursue grants and federal funding opportunities aimed at infrastructure improvement. This can alleviate some of the financial strain on local budgets. Providing grants and subsidies to support startups and small businesses can encourage entrepreneurial activity. Housing grants can also make moving more affordable for individuals and families.

4. ****Phased Development Approach:****

- Implement a phased approach to infrastructure upgrades, spreading out the costs over time. This method can manage financial impact and allow for gradual improvement.

5. ****Tax Increment Financing (TIF):****

- Use TIF districts to fund infrastructure projects. The increased property tax revenue generated by rising property values within the district can be used to finance the improvements.

6. ****Community Engagement:****

- Engage with the community to ensure transparency and gain support for necessary projects. Highlight the long-term benefits of infrastructure improvements to garner public backing.

7. ****Smart Technology Investments:****

- Invest in smart technology to improve efficiency and reduce long-term maintenance costs. Technologies such as smart grids and IoT-based monitoring systems can provide cost savings and improved service delivery.

These strategies can help manage the cost of aging infrastructure while promoting development that benefits the entire community, without placing undue financial pressure on current residents.

Additional Ideas:

****Quality of Life Enhancements:****

- Improving parks, recreational facilities, cultural institutions, and educational opportunities can enhance the overall quality of life. Encouraging businesses to support community development and green initiatives can further add to the appeal.

****Workforce Development Programs:****

- Implementing training and development programs to build a skilled workforce can attract businesses seeking qualified employees. Collaborating with local educational institutions to offer specialized training can ensure a steady supply of talent.

****Marketing and Promotion:****

- A comprehensive marketing campaign highlighting the benefits of living and doing business in the area can generate interest. Showcasing success stories, local attractions, and community benefits can attract potential newcomers.

Dolly Matten, CEO

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09196287017Z889	DK INVESTMENTS LLC	1107 6TH ST S
09196287013Z009	LEASE, DAVID V	1101 6TH ST S
09196287009Z009	CROOK, JOSHUA & ANDRENE	610 TAMARAC ST
09196285023Z009	LEE, TRAVIS & CAROL	1123 5TH ST S
09196285021Z009	OLSON, KENT	1117 5TH ST S
09196285017Z009	INNES, MARK	1115 5TH ST S
09196285013Z009	PEARL INVESTMENTS LLC	500 TAMARAC ST
09196285010Y009	LARSON, DAVID & TESSA	1102 6TH ST S
09196285007Z009	GALLANT, WILLIAM & NONA M	1110 6TH ST S
09196285005Z009	B & K RENTALS 1001 LLC	1114 6TH ST S
09196285003Z009	LEONARD, BRIAN	1118 6TH ST S
09196285001Z009	LEONARD, BRIAN	1120 6TH ST S
09196285001Y009	SAMANDYS LLC	1124 6TH ST S
09196271011Z009	KRAMERS FRAMERS LLC	1002 6TH ST S
09196271009Z009	EQUITY TRUST COMPANY CUSTODIAN FBO	1006 6TH ST S
09196271007Z009	HANSON, DAKOTA	1012 6TH ST S
09196271005Z009	FRISCH REVOCABLE TRUST	1016 6TH ST S
09196271003Z009	PUERINGER, DAVID F PUERINGER INVEST	1020 6TH ST S
09196271001Z009	REYES, BRENDA STEPHANIE	1024 6TH ST S
09196269023Z889	STEELE, MARIAH JO &	1023 6TH ST S
09196269020Z009	SWOFFORD, CHRISTIAN M & ELISE M	1015 6TH ST S
09196269017Z009	GRANHOLM, JUSTIN A & HEATHER M	1011 6TH ST S
09196269015Z009	BADEAUX, RICHARD	1005 6TH ST S
09196269013Z009	MAINLINE DESIGN LLC	1003 6TH ST S
09196239021Y009	FOX, BRIAN & AMBER	921 6TH ST S
09196239021X009	FOX, BRIAN & AMBER	0
09196239019Z009	SOUTH SIXTH PROPERTIES LLC	913 6TH ST S
09196239015Y009	RADEMACHER, EARL E & LUCILLE E LIV	909 6TH ST S
09196239013Z009	RADEMACHER, EARL E & LUCILLE E LIV	901 6TH ST S
09196237011Z009	KRAMERS FRAMERS LLC	904 6TH ST S
09196237009Z009	DALEY, MATTHEW S & REBECCA J	906 6TH ST S
09196237007Z009	ERICKSON, HOLLY M	912 6TH ST S
09196237005Z009	SOUTH SIXTH PROPERTIES LLC	914 6TH ST S
09196237003Z009	SOUTH SIXTH PROPERTIES LLC	918 6TH ST S
09196237001Z889	SAMANDYS LLC	924 6TH ST S
09196237000C009	KRAMERS FRAMERS LLC	0
09196237000B009	KRAMER, JEFFREY L & TERRI	0
09196237000A009	IMGRUND, RONALD	506 ROSEWOOD ST
09196219010Z009	LINDSTROM, RUTHANN & JOSHUA	802 6TH ST S
09196219010Y009	LORIMOR, DIANNA C	514 QUINCE ST
09196219008Z009	ASH PROPERTIES INC	810 6TH ST S
09196219006Z009	812 SIXTH STREET LLC	812 6TH ST S
09196219004Z009	KUHN, DALE P & DEBRA L	816 6TH ST S
09196219002Z009	JENSEN, MICHAEL	820 6TH ST S
09196219001Z009	KUNDE, CARNEY W	824 6TH ST S
09196219000C009	KRAMERS FRAMERS LLC	505 ROSEWOOD ST
09196219000B009	LAKE INVESTMENTS LLC	502 QUINCE ST
09196219000A009	BRATE-O'NEIL, RYAN L	512 QUINCE ST
09196217023Z009	STUBBS, JOHN D	823 6TH ST S
09196217021Z009	WATSON, KEITH ROBERT	819 6TH ST S
09196217019Z009	MILLER, MARY	815 6TH ST S
09196217015Z009	STROBEL, KAREN A	811 6TH ST S
09196217013Z009	DR SPODEN INVESTMENTS LLC	801 6TH ST S
09196217013Y009	DR SPODEN INVESTMENTS LLC	610 QUINCE ST
09196187023Z009	BOHLEN, MILTON B & BOHLEN HOLLY A	723 6TH ST S
09196187023Y009	KOWALCZYK, RONALD A & SUSAN J	611 QUINCE ST
09196187021Z009	KLOCKE, SHAWN D	719 6TH ST S
09196187019Z009	WATSON, DAVID D	715 6TH ST S
09196187017Z009	STROBEL, NATHAN	709 6TH ST S
09196187015Z009	FITCH, NANNETTE	705 6TH ST S
09196187013Z009	MILLER, JEREMY W & KELLY M	701 6TH ST S
09196187013Y009	BAHR, CHARLES K & BONNIE J	612 PINE ST
09196185022Z009	KNOWLES, RODNEY L	723 5TH ST S
09196185001Z889	ASH PROPERTIES INC	722 6TH ST S
09196183000Z009	IND SCHOOL DIST, # 181	702 5TH ST S
09196161000Z009	IND SCHOOL DIST, # 181	604 6TH ST S
09196159023Y009	ANDERMAN, DOUGLAS L	623 6TH ST S
09196159004Y009	YOUNG MEN'S CHRISTIAN ASSOC OF BRD	0
09196159001Y009	YOUNG MEN'S CHRISTIAN ASSOC OF BRD	0

09196159001W009	YOUNG MEN'S CHRISTIAN ASSOC OF BRD	602 OAK ST
09196157020A009	YOUNG MEN'S CHRISTIAN ASSOC OF BRD	0
09196157018Y009	YOUNG MEN'S CHRISTIAN ASSOC OF BRD	0
09196157017Z009	PERRY, MAVERICK	609 7TH ST S
09196157013Z009	BRODAL, HOLLY J & DEAN A HEIDMANN	704 OAK ST
09196157013Y009	RIEWER, KONRAD H	712 OAK ST
09196157011Z009	RAGE HOLDINGS LLC	714 OAK ST
09196157011Y009	CAPITAL INVESTMENTS LLC	602 8TH ST S
09196157009Z009	CAPITAL INVESTMENTS LLC	606 8TH ST S
09196157007Z009	IND SCHOOL DIST, # 181	612 8TH ST S
09196157005Z009	DONNELLY, PATRICK D	614 8TH ST S
09196157004Z009	KIENTZLE, DANIEL & VALERIE	618 8TH ST S
09196155000Z009	IND SCHOOL DIST, # 181	804 OAK ST
09196153019Z009	PARKHILL, MATTHEW P & CHRISTINE A	613 9TH ST S
09196153017Z009	PATNODE BOYS PROPERTIES LLC	611 9TH ST S
09196153015Z009	RUNBERG, DIANE E REVOCABLE TRUST	605 9TH ST S
09196153013Y889	BJORKE, CHRIS & BJORKE, MARSHA	912 OAK ST
09196153013X009	RUNBERG, DIANE E REVOCABLE TRUST	601 9TH ST S
09196153010Z009	SCHWARTZ, DWIGHT D & MARGARET	918 OAK ST
09196153007Z009	J J & A PROPERTY MANAGEMENT LLC	602 10TH ST S
09196153005Z009	CALIK-MAJZNER, ZELIHA &	614 10TH ST S
09196137004Z009	LAKE INVESTMENTS LLC	504 11TH ST S
091961370030009	BEMENT, HARRY S	508 11TH ST S
09196137001Z009	CAUGHEY, JAMES TRUST	1001 OAK ST
09196135023Z009	TRIANGLE 66 OIL CO	901 OAK ST
09196135021Z009	BERENT, KELSEY & JUSTIN KNIPPEL	519 9TH ST S
09196135020Z009	STANGLER PROPERTIES LLC	515 9TH ST S
09196135018Z009	BEMENT, HARRY S	511 9TH ST S
09196135016Z009	KOEHLER, MELODEE S	509 9TH ST S
09196135014Z009	ELD, MICHAEL K & LATOJA T	505 9TH ST S
091961350130009	BEMENT, HARRY & ARLISS	501 9TH ST S
09196135009Z009	MALLOY, BRADLEY W	506 10TH ST S
09196135007Z009	KIDDER, JUDITH A TRUST	510 10TH ST S
09196135001Z009	SHARING BREAD SOUP KITCHEN INC	923 OAK ST
09196133023Z889	WHISKEY ROAD LLC	521 8TH ST S
09196133021Z009	HENDRICKSON, RYAN L	517 8TH ST S
09196133019Z009	RAGE HOLDINGS LLC	513 8TH ST S
091961330180009	NICKELS, DEBRA A	511 8TH ST S
091961330170009	509 8TH STREET LLC	509 8TH ST S
09196133015Z889	RAGE HOLDINGS LLC	507 8TH ST S
09196133013Z009	REMMICK INVESTMENTS LLC	501 8TH ST S
09196133011Z009	ROSNAU, WENDY E	502 9TH ST S
091961330100009	HAURUM, JEAN JOYCE	506 9TH ST S
091961330090009	HAURUM, JEAN JOYCE	508 9TH ST S
09196133006Z889	MINNEGASCO INC ACCOUNTS PAYABLE	0
09196133006Y009	GATES, JANELLE L	512 9TH ST S
09196133005Z009	GATES, JANELLE L	514 9TH ST S
09196133004Z009	RZ HOLDINGS LLC	518 9TH ST S
09196133002Y009	PUERINGER, DAVID F	520 9TH ST S
09196133001Z009	PAPPAS-LADD, MARY	815 OAK ST
09196133001Y009	BOSCH, BEVERLY ANN	524 9TH ST S
09196131021Z009	NEWMAN, ANGELENA MARIE	711 OAK ST
09196131019Z009	BRAINERD FAMILY YMCA	703 OAK ST
09196131016Z009	BRAINERD FAMILY YMCA	511 7TH ST S
09196131013Z009	YOUTH INVESTMENT FOUNDATION	704 NORWOOD LIGHT HSE
09196131001Z009	REMMICK INVESTMENTS LLC	715 OAK ST
09196131001X009	TAYLOR FUNERAL HOME PROPERTIES LLC	710 NORWOOD ST
09196129019Z009	C & J 2021 LLC	603 OAK ST
09196129016Z889	TAX FORFEITED	507 6TH ST S
09196129013Z009	LYNCH, JAMES R & WENDY L	503 6TH ST S
09196129013X889	GROENWOLD, JOHN	608 NORWOOD ST
09196129009Z009	MEYER, JOSEPH	612 NORWOOD ST
09196129009X889	PCMCK LLC &	616 NORWOOD ST
09196129009W009	OJALA, BRADLEY	624 NORWOOD ST
09196129007Z009	TAX FORFEITED	0
09196129007Y009	C & J 2021 LLC	0
09196129001Z889	C & J 2021 LLC	615 OAK ST
09196127023Z009	WINGS FINANCIAL CREDIT UNION	523 5TH ST S
09196127021Z009	WINGS FINANCIAL CREDIT UNION	519 5TH ST S
09196127019Z009	WINGS FINANCIAL CREDIT UNION	515 5TH ST S
09196127018Z009	WENDEL PROPERTIES LLC	511 5TH ST S
09196127016Z009	MALLIE, MATTHEW R	507 5TH ST S
09196127013Z009	MALLIE, MATTHEW R	502 NORWOOD ST
09196127013W009	MALLIE, MATTHEW R	510 NORWOOD ST
09196127013V009	TAURING, JOSHUA N & ABBEY L	512 NORWOOD ST
09196127009Z009	THE CLINIC BRAINERD LLC	502 6TH ST S
09196127005Z009	POSITIVE REALTY, & INVESTMENT	514 6TH ST S
09196127001Z009	WINGS FINANCIAL CREDIT UNION	524 6TH ST S
09196125011Z009	SUITE PROPERTIES LLC	502 5TH ST S
09196125001V009	IND SCHOOL DIST, # 181	518 5TH ST S
09196103001Y009	CITY OF BRAINERD	410 5TH ST S
09196101019Z009	KAMINSKI CZECHOK PROPERTIES LLC	417 5TH ST S
09196101013Z009	GUSTAFSON, GLEN A	0 5TH ST & MAPLE ST
09196101013Y009	GUSTAFSON, GLEN A & MARILYN	510 MAPLE ST
09196101009Z009	416 S 6TH LLC	0 6TH ST & MAPLE ST

09196101008Z889	416 S 6TH LLC	410 6TH ST S
091961010070009	416 S 6TH LLC	412 6TH ST S
09196101005Z889	416 S 6TH LLC	416 6TH ST S
09196101001Y009	HOLIDAY STATIONSTORE, S INC	424 6TH ST S
09196101001X009	HOLIDAY STATIONSTORES INC	0
09196099023Z009	SALVATION ARMY	0
09196099021Y009	SALVATION ARMY	0 6TH ST & NORWOOD
09196099019X009	SALVATION ARMY	0
09196099019W009	JKPRL PROPERTIES LLC	413 6TH ST S
09196099009Z009	NORTHWESTERN BELL, TELEPHONE CO REA	402 7TH ST S
09196099004Y009	SADE PROPERTIES INC	416 7TH ST S
09196099001Y009	B & K APARTMENTS LLC	422 7TH ST S
09196099001X009	SALVATION ARMY	613 NORWOOD ST
09196097021Z009	FIRST LUTHERAN CHURCH	419 7TH ST S
09196097020Z009	FIRST LUTHERAN CHURCH	711 NORWOOD ST
09196097020A009	SADE PROPERTIES INC	0
09196097019A009	SUNSHINE PROPERTIES OF AITKIN	0
09196097013Z009	SUNSHINE PROPERTIES OF AITKIN	708 MAPLE ST
09196097011Z009	FIRST LUTHERAN CHURCH	0
09196097008Z009	FIRST LUTHERAN CHURCH	0
09196097006Z009	FIRST LUTHERAN CHURCH	0
09196097006Y009	JCBAHR ENTERPRISES LLC	
091960970050009	JCBAHR ENTERPRISES LLC	416 8TH ST S
09196097001Z009	FIRST EV LUTH CHURCH OF BRAINERD	424 8TH ST S
09196095019Y009	LN REAL ESTATE LLC	0
09196095013Z009	LN REAL ESTATE LLC	407 8TH ST S
09196095011Z009	MURPHY, MICHAEL C REV LIVING TRUST	402 9TH ST S
09196095009Z009	MURPHY, MICHAEL C REV LIVING TRUST	406 9TH ST S
09196095008Z009	BWR 410 NINTH LLC	410 9TH ST S
09196095007Z009	SAMANDYS LLC	412 9TH ST S
09196095006Z009	WAYT, CHARLES R & JANE A	
09196095004Y009	SAMANDYS LLC	418 9TH ST S
09196095001Z009	MURPHY, MICHAEL C REV LIVING TRUST	420 9TH ST S
09196093023Z009	LINCOLN ESTATES LLC	423 9TH ST S
09196093021Z009	STRAKA, JOSHUA	421 9TH ST S
09196093019Z009	MURPHY, MICHAEL C REV LIVING TRUST	415 9TH ST S
09196093016Y009	THOMPSON, MATTHEW B & JILL M	409 9TH ST S
09196093015Z009	MURPHY, MICHAEL C REV LIVING TRUST	405 9TH ST S
09196093013Z009	MURPHY, MICHAEL C REV LIVING TRUST	401 9TH ST S
09196093007X009	NORTHERN PINES MENTAL HEALTH CENTER INC	0
09196093007W009	CITY OF BRAINERD	0
09196093001Z009	MURPHY, MICHAEL C REV LIVING TRUST	915 NORWOOD ST
09196093001V009	IRON HUB PROPERTIES LLC	919 NORWOOD ST
09196093001U009	TAX FORFEITED	0
09196093001T009	TAX FORFEITED	0
09196091013Y009	CITY OF BRAINERD	0
09196091009Z009	ANDERSON, TAJIA C	406 11TH ST S
09196091007Z009	LEMOINE, ZACHERY A &	410 11TH ST S
09196091005Z009	STENSON, CASSANDRA	414 11TH ST S
09196091002Z009	TAZ PROPERTIES OF BRAINERD LLC	420 11TH ST S
091960910010009	TROMBLAY, BRENDA & JACQUETTA KECK	1023 NORWOOD ST
09196082000A009	ARTSPACE BRAINERD LIMITED PARTNERSH	
09196077019Z009	TAX FORFEITED	0
09196077013Z009	TEENY BUBBLES CHILDCARE & LEARNING CENTE	1002 LAUREL ST
09196077004Z009	PROPERTIES ETC	1014 LAUREL ST
09196077001Z009	VON PILDNER, ROBERT	320 11TH ST S
09196075022Z009	NORTHERN PINES MENTAL HEALTH CENTER INC	323 S 9TH ST
09196075021Y009	NORTHERN PINES MENTAL HEALTH CENTER INC	911 MAPLE ST
09196075020Z009	NINTH STREET LLC	315 9TH ST S
09196075013Z009	BRAINERD BN CREDIT UNION	301 9TH ST S
09196075005Y009	LN REAL ESTATE LLC	0
09196075001Z009	BERGLUND, ALRICA A	915 MAPLE ST
09196073022Z009	BREMER BANK OF BRAINERD	321 8TH ST S
09196073020Z009	BREMER BANK OF BRAINERD	315 8TH ST S
09196073018Z009	BRAINERD B N CREDIT UNION	0
09196073015Z009	BRAINERD B N CREDIT UNION	804 LAUREL ST
09196073013Z009	BRAINERD B N CREDIT UNION	804 LAUREL ST
09196073007X009	COMMUNITAS	824 LAUREL ST
09196073007W009	COMMUNITAS	824 LAUREL ST
09196073005Y009	NORTHERN PINES MENTAL HEALTH CENTER INC	0
09196073001Z889	NORTHERN PINES MENTAL HEALTH CENTER INC	823 MAPLE ST
09196071020Y009	BREMER BANK OF BRAINERD	321 7TH ST S
09196071016Z009	RATHMAN, RICHARD & DENISE	305 7TH ST S
09196071013Z889	PUERINGER, DAVID F PUERINGER INVEST	301 7TH ST S
09196071013Y889	PUERINGER, DAVID F	710 LAUREL ST
09196071010Z889	BRAINERD LAKES PROPERTIES LLC	714 LAUREL ST
09196071008Y889	PUERINGER, DAVID F	718 LAUREL ST
09196071008X009	PUERINGER, DAVID F PUERINGER INVEST	722 LAUREL ST
09196071006Y009	CITY OF BRAINERD	0
09196071001Y009	BREMER BANK OF BRAINERD	713 MAPLE ST
09196069023Z009	R-4 FOUNDATION INC	323 6TH ST S
091960690220889	SPL PROPERTIES LLC	319 6TH ST S
09196069020Z889	SHEPHERD, STEVEN C &	315 6TH ST S
09196069016Z009	MAHLUM-HANSON VFW, POST NO 1647	307 6TH ST S
09196069013Z889	MAJIK PROPERTIES LLC	602 LAUREL ST

09196069013X009	ASH PROPERTIES INC	606 LAUREL ST
09196069013W889	ASH PROPERTIES INC	612 LAUREL ST
09196069008W889	SMITH, BRIAN L & RHONDA	624 LAUREL ST
09196069008V009	CITY OF BRAINERD	616 LAUREL ST
09196069008U009	SMITH, BRIAN L & RHONDA	0
09196069008T009	CITY OF BRAINERD	616 LAUREL ST
09196069006Z009	CITY OF BRAINERD	0
09196069003Z009	BARBOZA, JUAN M & JOANNA I	314 7TH ST S
09196069001Z009	AMERICAN HEIGHTS LLC	619 MAPLE ST
09196067022Z009	MRM PROPERTIES LLC	501 MAPLE ST
09196067022Y009	FIRST NATIONAL BANK OF BRAINERD	507 MAPLE ST
09196067013Z009	STM GROUP LLC	500 LAUREL ST
09196067010Z009	LIVELY AUTO BLDG REAL EST HOLDINGS	
09196067010Y889	LIVELY AUTO BLDG REAL EST HOLDINGS	520 LAUREL ST
09196067010X009	BORDEN STEINBAUER, & KRUEGER PA	302 6TH ST S
09196067010W009	BORDEN STEINBAUER, & KRUEGER PA	306 6TH ST S
09196067010A009	LIVELY AUTO BLDG REAL EST HOLDINGS	514 LAUREL ST
09196067009A009	LIVELY AUTO BLDG REAL EST HOLDINGS	308 6TH ST S
09196067008A009	LIVELY AUTO BLDG REAL EST HOLDINGS	310 6TH ST S
09196067007Y009	MILLS PROPERTIES, INC	0
09196067007A009	LIVELY AUTO BLDG REAL EST HOLDINGS	0
09196067001Y009	FIRST NATIONAL BANK OF BRAINERD	320 6TH ST S
09196067001X009	FIRST NATIONAL BANK OF BRAINERD	
09196065004Z009	UNITED STATES POSTAL SERVICE	420 LAUREL ST POST OF
09196065002Z009	UNITED STATES POSTAL SERVICE	320 5TH ST S
091960650010889	SUITE PROPERTIES LLC	324 5TH ST S
09196063000Z009	CROW WING COUNTY	0
09196059022Z009	HOUSING & REDEVELOP-, ING INC	0 LOWER PARKING LOT
09196059017Z009	LAKES AREA PREGNANCY SUPPORT CENTER	315 E RIVER RD
09196059013X009	WILLIAMS, CRAIG E & CLARE D	102 LAUREL ST
09196054020Z009	GOEBEL, MICHAEL	102 KINGWOOD ST
09196054020Y009	FRANZEN, DALTON	106 KINGWOOD ST
09196054020W009	NORTHLAND INVESTMENTS LLC (1/2 INT)	112 KINGWOOD ST
09196054018Y009	SCHOENBAUER, RYAN & JEFFREY	214 1ST ST N
09196054013Z009	WAGNER HOLDINGS LLC	101 WASHINGTON ST
09196054013Y009	BURTON, JANET E	109 WASHINGTON ST
09196054007Z889	NORTHLAND INVESTMENTS LLC (1/2 INT)	119 WASHINGTON ST
09196053019Y009	BEMENT, HARRY & ARLISS	109 LAUREL ST
09196053013Z009	CITY OF BRAINERD	225 E RIVER RD
09196053013Y009	FRATERNAL ORDER OF EAGLES AERIE	0
09196053010Z009	FRATERNAL ORDER OF EAGLES AERIE	0
09196053007Z009	FRATERNAL ORDER OF EAGLES AERIE	124 FRONT ST
09196053005Z009	SARFF, VAL E LIVING TRUST	214 2ND ST S
09196053001Z009	KOEP, WALTER & MARY	115 LAUREL ST
09196053001W009	KOEP, WALTER & MARY	123 LAUREL ST
09196052019Z009	209 WASHINGTON LLC	0
09196052019Y009	209 WASHINGTON LLC	206 KINGWOOD ST
09196052019X009	COLLETT, KAYLYN E & GEBHARD, STEVEN A	212 KINGWOOD ST
09196052015Y009	209 WASHINGTON LLC	212 2ND ST N
09196052013Z889	209 WASHINGTON LLC	209 WASHINGTON ST
09196052007Z009	MATTSON, EDWARD W	0 WASHINGTON ST
09196052007Y009	MATTSON, EDWARD W	223 WASHINGTON ST
091960520060009	MATTSON, EDWARD W	213 3RD ST N
09196052001Z009	GROENWOLD, JOHN	216 KINGWOOD ST
09196052001X009	8-215 CORAL DAVIDSON LLC	215 3RD ST N
09196051000Z009	CROW WING COUNTY	213 LAUREL ST
09196050021Z009	BYE CABLES INC	220 3RD ST N
09196050019Z889	BRENNY PROPERTIES OF BRAINERD LLC	216 3RD ST N
09196050019Y009	BRENNY PROPERTIES OF BRAINERD LLC	0
09196050017Z009	BRENNY PROPERTIES OF BRAINERD LLC	301 WASHINGTON ST
09196050015Z889	BRENNY PROPERTIES OF BRAINERD LLC	307 WASHINGTON ST
091960500140009	BRENNY PROPERTIES OF BRAINERD LLC	309 WASHINGTON ST
091960500130009	BRENNY PROPERTIES OF BRAINERD LLC	315 WASHINGTON ST
09196050012Z009	BRENNY PROPERTIES OF BRAINERD LLC	0
09196050010X889	BRENNY PROPERTIES OF BRAINERD LLC	317 WASHINGTON ST
09196050007Z009	WRD HOLDINGS LLC	321 WASHINGTON ST
09196050004X009	WRD HOLDINGS LLC	214 4TH ST N
09196050001Z009	DEGEN, MICHAEL S & JULIE L	223 4TH ST N
09196048019Z889	JENTSCH, ARTHUR L & COLLEEN J	220 4TH ST N
09196048015Z009	SHEPHERD, KENNETH E & LORI I	0
09196048015Y009	SHEPHERD, KENNETH E & LORI I	405 WASHINGTON ST
09196048010Z009	SHEPHERD, KENNETH E & LORI I	415 WASHINGTON ST
09196048007X009	F+H INVESTMENTS LLC	423 WASHINGTON ST
09196048005Z889	DEROSIER, JOSEPH M & PHYLLIS TRUST	215 5TH ST N
09196048003Z889	GROENWOLD, JOHN & AMANDA	217 5TH ST N
09196047022Z009	CROW WING CO ABSTRACT CO INC	409 LAUREL ST
091960470210009	BUFFINGTON, ADAM M & DANA A	219 4TH ST S
09196047019Y009	CITY CENTER OF, BRAINERD	0
09196047017Y009	THIRTEEN-SEVENTH LLP	211 4TH ST S
09196047017X889	SALVATION ARMY	402 FRONT ST
09196047015X009	SALVATION ARMY	410 FRONT ST
09196047007Z889	SALVATION ARMY	424 FRONT ST
09196047001Y009	CITY CENTER OF, BRAINERD	417 LAUREL ST
09196046022Z009	FRANZ, FERN LUCILLE	224 5TH ST N
09196046019Z009	T AND B PAWN	216 5TH ST N

09196046015Z889	VIGNIERI, JASON & ALYSSA	503 WASHINGTON ST
09196046014A009	WATSON, BETH A	509 WASHINGTON ST
09196046013Y009	PATRICK SIEVE COMPANY	511 WASHINGTON ST
09196046010Y009	BARNES, BARNES & ANDERSON PRT	515 WASHINGTON ST
09196046007Y009	JAKE BRANDT PROPERTIES LLC	211 6TH ST N
09196046007X009	JAKE BRANDT PROPERTIES LLC	525 WASHINGTON ST
09196046005Z889	GROENWOLD, JOHN	215 6TH ST N
09196046001Z009	VAN ECKHOUT PROPERTIES, LLC	524 KINGWOOD ST
09196045019Z009	CITY OF BRAINERD	501 LAUREL ST
09196045016Z009	BRAINERD COMMUNITY FEDERAL	200 6TH ST S
09196045007Z009	BRAINERD COMMUNITY FEDERAL	200 6TH ST S
09196045001Z009	CITY OF BRAINERD	0
09196044019Z009	GMEINDER, ALFRED J & BARBARA K REV TRUST	0
09196044019Y009	PARSONS, MARY	608 KINGWOOD ST
09196044019X009	CROMBIE, LOUIS & KARINA	612 KINGWOOD ST
09196044016Y889	GMEINDER, ALFRED J & BARBARA K REV TRUST	601 WASHINGTON ST
09196044014X009	HORSESHOE ENTERPRISES LLC	607 WASHINGTON ST
09196044013Z009	NOETZEL, BRANDEN J	611 WASHINGTON ST
09196044007Z009	DLP INVESTMENTS LLC	615 WASHINGTON ST
09196044005Z009	BGK HOLDINGS LLC	213 7TH ST N
09196044004Z009	BGK HOLDINGS LLC	217 7TH ST N
09196044001Z009	ARMS, ZACHERY	614 KINGWOOD ST
09196044001Y009	SOERENSON, PHYLLIS M	620 KINGWOOD ST
09196044001X009	HAUG, SAM	624 KINGWOOD ST
09196043019Z009	MOORES PROPERTIES, INC	215 6TH ST S
09196043016Z889	MASONIC TEMPLE ASSN , OF BRAINERD	205 6TH ST S
09196043016Y009	NORTHERN PINES MENTAL HEALTH CENTER INC	606 FRONT ST
09196043014Z889	BISTED, TODD L	608 FRONT ST
091960430130889	THAI ORCHID LLC	612 FRONT ST
09196043010Z889	PUERINGER, DAVID F PUERINGER INVEST	614 FRONT ST
09196043007Z889	CITY OF BRAINERD	212 7TH ST S
091960430060889	PUERINGER, DAVID F PUERINGER INVEST	214 7TH ST S
091960430050009	LUHRS, JON A TRUST (UND 1/2 INT)	216 7TH ST S
09196043003Z889	BJORK, RICK	222 7TH ST S
09196043002Z009	JJC PROPERTIES LLC	623 LAUREL ST
09196042022Z889	RUNBERG, JAMES P REVOCALBE TRUST	222 7TH ST N
09196042020Z889	JACK AND HARRY INVESTMENTS LLC	218 7TH ST N
09196042019Z009	LAKE INVESTMENTS LLC	214 7TH ST N
09196042016Z009	COMMODORE PROPERTIES LLC	206 7TH ST N
09196042013Z009	KINNEY, KAREN	711 WASHINGTON ST
09196042011Z009	MCLAIN, COLIN & AMY	713 WASHINGTON ST
09196042007Z889	BEMENT, HARRY & ARLISS	211 8TH ST N
09196042007Y009	MCLAIN, COLIN & AMY	723 WASHINGTON ST
09196042005Z009	BENTLER, MICHAEL D & KATHY	215 8TH ST N
09196042003Z009	ROSENBERG, GREGORY J & MARGARET A	219 8TH ST N
09196041023Z889	ASH PROPERTIES INC	707 LAUREL ST
09196041019Z009	PUERINGER, DAVID F	215 7TH ST S
09196041018A889	PUERINGER, DAVID F PUERINGER INVEST	205 7TH ST S
09196041017Z889	PUERINGER, DAVID F PUERINGER INVEST	209 7TH ST S
09196041016Z889	VANDEPUTTE INVESTMENT PROP LLC	704 FRONT ST
09196041014Z009	HANSON, CARL SIDNEY POST #255	708 FRONT ST
09196041011Z009	C & L MIDWEST LLC	0
091960410100009	C & L MIDWEST LLC	718 FRONT ST
09196041007Z009	NLLJ JENSEN LLC	208 8TH ST S
09196041005Z889	MATTSON PROPERTIES LLC	214 8TH ST S
09196041004Z009	YSK HOLDINGS LLC	216 8TH ST S
09196041001Z889	NJMS PHELPS BLOCK LLC	715 LAUREL ST
09196041001Y009	NJMS CHET'S LLC	719 LAUREL ST
09196041001X889	KUHN, DANNY E	721 LAUREL ST
09196040019Z009	ZION EVANGELICAL	220 8TH ST N
09196040015Z009	MALINEN PROPERTIES LLC	801 WASHINGTON ST
09196040015Y009	MALINEN PROPERTIES LLC	212 8TH ST N
09196040013Z009	MALINEN PROPERTIES LLC	0
091960400120009	MALINEN PROPERTIES LLC	0
09196040010Y009	CORNERSTONE LIQUOR LLC	817 WASHINGTON ST
09196040008Z009	O'REILLY DANIEL & THERESA	819 WASHINGTON ST
09196040007Z009	WARREN, STEVE	209 9TH ST N
09196040007Y889	PEARL SWAN LLC	821 WASHINGTON ST
09196040001Y009	ZION EVANGELICAL	0
09196039022Y009	DW JONES INC	805 LAUREL ST
09196039021Z009	NJMS OLSON, LLC	217 8TH ST S
09196039020Z009	NJMS TB2 LLC	215 8TH ST S
09196039019Z009	GUSTAFSON, GLEN	213 8TH ST S
09196039014Z009	BENZ, ROBERT KEVIN	201 8TH ST S
09196039009Z009	YEAGER, KEVIN & MELISSA	820 FRONT ST
09196039008Y889	FENWAY PROPERTIES LLC	814 FRONT ST
09196039007Z009	9TH STREET SOCIAL CLUB LLC	214 9TH ST S
09196039007Y009	9TH STREET SOCIAL CLUB LLC	212 9TH ST S
09196039007W009	C & B HANSON PROPERTIES LLC	822 FRONT ST
09196039005Y009	DW JONES INC	0
09196039001Y009	DW JONES INC	0
09196038023Z009	O'LEARY, SUSAN & RICHARD L	224 9TH ST N
091960380220009	COFFEY, JOSEPH	220 9TH ST N
091960380210009	TAX FORFEITED	218 9TH ST N
09196038019Z009	STATUTE PROPERTIES BRD LLC	214 9TH ST N

09196038015Z009	O'REILLY AUTO ENTERPRISES LLC	901 WASHINGTON ST
09196038008Z009	CURRENT PROPERTIES LLC	919 WASHINGTON ST
091960380070009	CURRENT PROPERTIES LLC	923 WASHINGTON ST
09196038005Z009	DOOLEY INVESTMENTS LLC	215 10TH ST N
091960380040009	DEGEN, MICHAEL S & JULIE L	217 10TH ST N
09196038002Z009	DILLENBURG, SCOTT & LESLIE	219 10TH ST N
091960370190009	BRAINERD LODGE #615 BENEVOLENT &	215 9TH ST S
09196037016Z009	YESTERDAY'S GONE LLC	219 9TH ST S
09196037011Z009	CITY OF BRAINERD	0 WATER TOWER
09196037009Z009	FERRARI, DYLAN J & EMILY	0
09196037007Z889	RCM INC	208 10TH ST S
09196037007Y009	FERRARI, DYLAN J & EMILY	924 FRONT ST
09196037005Z009	FENWAY PROPERTIES LLC	216 10TH ST S
09196037003Z009	YESTERDAY'S GONE LLC	0 LAUREL ST
09196037001Z009	RAGE HOLDINGS LLC	915 LAUREL ST
09196036019Z889	WEAVER, LINDSEY	218 10TH ST N
09196036019X009	ARTSPACE BRAINERD LIMITED PARTNERSH	0
09196036001Z009	IND SCHOOL DIST, # 181	0
09196035019Z009	GREAT RIVER DOOR COMPANY INC	1001 LAUREL ST
09196035001Z009	BURLINGTON NORTHERN INCORPORATED	0
09196016007Z009	MATTHIES FAMILY TRUST AGMT	712 WASHINGTON ST
09196009007Z009	FOURFRONT LLC	401 FRONT ST
09196008010Z009	BURRITOS CALIFORNIA MEXICAN GRILL LLC	302 WASHINGTON ST
09196008001Z009	HALVERSON, MARC & JACQUELYN REV	316 WASHINGTON ST
09196006005Z009	DIGITAL INK PROPERTIES LLC	208 WASHINGTON ST
09196006001Z009	MORRIS HOLDINGS LLC	212 WASHINGTON ST
09196004000W009	GREENHECK, GARY M & LINDA C	118 WASHINGTON ST
091960030020009	CITY OF BRAINERD	
09127002009Z889	KAİROS MIDWIFERY LLC	117 GILLIS AVE
09127002008A009	IND SCHOOL DIST, # 181	0
09127002006Z009	T & B AUTO SERVICES OF BRAINERD INC.	0
09127002001Z009	T & B AUTO SERVICES OF BRAINERD INC.	1 WASHINGTON ST NE
091270010160889	BERENS, SEAN	114 GILLIS AVE
091270010150009	RAGE HOLDINGS LLC	120 GILLIS AVE
09127001012Z009	BURNETT, ARESA	121 1ST AVE NE
091270010110009	OSCARSON, TROY A & KIMBERLY K	115 1ST AVE NE
09127001008Z009	DAIRYLAND OPERATIONS LLC	3 WASHINGTON ST NE
09127001004Z009	HONGFU REAL ESTATE LLC	9 WASHINGTON ST NE
09127001002Z889	COLD NORTH PROPERTIES LLC	19 WASHINGTON ST NE
091270010010009	COLD NORTH PROPERTIES LLC	25 WASHINGTON ST NE
060252100D00009	MAROONS LLC	
09174001000S009	PUERINGER, DAVID F PUERINGER INVEST	1624 OAK ST
09196022001A009	FOREST FUELS INC	
092190010010009	CITY OF BRAINERD	23 LAUREL ST
092090010020009	BRAINERD HOUSING & REDEVELOPMENT AUTHORI	324 RIVER RD E
092090010010009	LYLE'S INVESTMENTS LLC	304 RIVER RD E
091960190040009	BJERGA FEED STORES, INC.	915 FRONT ST
09196016001Z009	MATTHIES FAMILY TRUST AGMT	724 WASHINGTON ST
09196010000Z009	MICHELLE REALTY CO	500 WASHINGTON ST
09196009002Z009	FOS PROPERTIES LLC	415 FRONT ST
09196006011Z009	CITY OF BRAINERD	0
09196004000Z009	RON IMGRUND PROPERTIES LLC	100 WASHINGTON ST
09196004000X009	PROPERTIES INC	204 WASHINGTON ST
09174008009C009	BUCHITE, HAYLEY R	614 11TH ST SE
09174008009A009	LOCKWOOD, ETHAN TIMOTHY	1024 OAK ST
09174007023Z009	BEMENT, HARRY & ARLISS	1124 OAK ST
09174007021Z009	JOHNSON, SCOTT L	1120 OAK ST
09174007019Z009	MILLENACKER, TAMARA	1116 OAK ST
09174007017Z009	PUERINGER, DAVID F PUERINGER INVEST	1112 OAK ST
09174007015Z009	SPAUD, SEAN D & AMY J	1108 OAK ST
09174007013Z009	DOREE, TAMMY	1102 OAK ST
09174006023Z009	KEHOE ENTERPRISE LLC	1224 OAK ST
09174006021Y009	YDE, KENNETH	1220 OAK ST
09174006019Z009	BLOCKER, CARLY	1214 OAK ST
09174006017Z009	SUTTON, CHELSEA A	1210 OAK ST
09174006015Z009	SUTTON, CHELSEA A	1208 OAK ST
09174006013Z009	DOBBS, SUZANNE E	1202 OAK ST
09174005023Z009	RZ HOLDINGS LLC	1324 OAK ST
09174005021Z009	BEAR PAW RENTAL PROPERTIES LLC	1320 OAK ST
09174005019Z009	MOSER, MARK	1314 OAK ST
09174005017Z009	NUEHRING, MICHAEL J	1310 OAK ST
09174005015Z009	JP MORGAN MORTGAGE ACQUISITION CORP	1306 OAK ST
09174005013Z889	SVENDSEN, GARY L	1302 OAK ST
09174004023Z009	MAKARRALL, DADE THOMAS	610 15TH ST SE
09174004021Z009	STATURE PROPERTIES BRD LLC	1420 OAK ST
09174004019Z009	DANO, DEBRA B	1416 OAK ST
091740040180009	LANDER, REED T	1412 OAK ST
09174004016Z009	SOLBERG, TAMARA D	1408 OAK ST
09174004014Z009	ZAPZALKA, MELISSA A	1406 OAK ST
09174004013Z009	KONEN, WALTER PETER & DIANE C	603 14TH ST SE
09174003022Z009	THOMAS, JOHN G	602 16TH ST SE
09174003020Z009	WEBER, PAUL G	1518 OAK ST
09174003017Z009	BAKKILA, CARL J & MARIAH M	1516 OAK ST
09174003015Y009	GROENWOLD, JOHN A &	1508 OAK ST
09174003013Z009	PRASKA, ALFRED S & LISA	1504 OAK ST

09174002015Z009	JOHNSON, KEVIN & JANE	1618 OAK ST
09174002013Z009	TAYLOR, LANCE	1612 OAK ST
09174002011Z009	STRUTHERS, JASPER JAMES	1608 OAK ST
09174002009Z009	SHERWOOD, ERICA L	1602 OAK ST
09174001000Z889	LOVING, NADIA	1626 OAK ST
09174001000T009	FORTUNE, MARLOWE A	1620 OAK ST
09174001000R009	RABAS, JENNA	1702 OAK ST
09174001000Q009	THOMSEN, THOMAS P & JESSICA M	1710 OAK ST
09117009025Y009	OAK STREET CHAPEL INC	523 11TH ST S
091170090210009	BANKS, DOUGLAS & NICHELLE	601 10TH ST S
09117009019Z009	BANKS, DOUGLAS & NICHELLE	603 10TH ST S
09117009017Z009	BANKS, DOUGLAS & NICHELLE	609 10TH ST S
09117009014Z009	MULLEN, DAVID J	611 10TH ST S
09104000009X009	IND SCHOOL DIST, # 181	0
09104000008C009	HOUSING & REDEV AUTHORITY OF BRD	410 RIVER RD E
09104000001Y009	HOLMGREN, JOHN P REV LIV TRUST(1/2)	12 WASHINGTON ST
09104000001X009	FINLAY, LEIGH & LEANE	123 1ST ST N
09104000001W009	P O R T OF CROW WING, COUNTY INC	115 1ST ST N
09104000001A009	VANDEPUTTE PROPERTIES LLC	22 WASHINGTON ST
09100003009Z009	LONGANECKER, KARI L	219 CHIPPEWA ST
09100003007Z009	CARNAHAN, JENNIFER	215 CHIPPEWA ST
09100003005Z009	LARSON, MICHAEL JAMES	209 CHIPPEWA ST
09100003002Z009	STALKER, EVAN & BRANDI	201 CHIPPEWA ST
09100002029Z889	BRAINERD RIVER OAKS LLC	208 CHIPPEWA ST
09100002027Z009	JESKE, DAJION	210 CHIPPEWA ST
09100002025Z009	WRIGHT, DUSTIN L	214 CHIPPEWA ST
09100002023Z009	NICHOLS, AMANDA	216 CHIPPEWA ST
09100002009Z009	JOHNSON, DUSTAN W & KIMBERLY S	217 1ST ST N
09100002007Z009	HUCKSTEAD, NANCY L TRUST	213 1ST ST N
09100002005X009	RIVER OAKS PROPERTIES LLC	29 1ST ST N
09100002005W009	BRAINERD RIVER OAKS LLC	209 1ST ST N
09100002001Z009	BRAINERD RIVER OAKS LLC	15 WASHINGTON ST
09100002001X009	BRAINERD RIVER OAKS LLC	205 1ST ST N
09100002001W009	RIVER OAKS PROPERTIES LLC	21 WASHINGTON ST
060252100F00009	LIVELY AUTO BLDG REAL EST HOLDINGS	0
060252100EB0009	CITY OF BRAINERD	122 6TH ST N
060252100EA0009	MAROONS LLC	124 6TH ST N
060252100C00009	BARTISHOFKSI, HEATHER &	624 WASHINGTON ST
060252100B00009	BRAINERD SERVICE, CORPORATION OF MI	0
060252100A00009	SCHWARTZWALD, ELIZABETH A TRUST	108 6TH ST S
060251100A00009	IND SCHOOL DIST, # 181	
060251100AA0009	ARTSPACE BRAINERD LIMITED PARTNERSH	
060252100DA0009	BARTISHOFKSI, HEATHER &	
09181010004D009	KOOP, JOSH	411 13TH ST SE
092740010010009	NORTHERN PACIFIC CENTER INC	101 13TH ST SE
09181020012A889	ROTHSTEIN, CATHERINE M	1223 OAK ST
09181020011A009	STOE, SABRINA I	1219 OAK ST
09181020010A009	TIMMERS, BRIAN S	1215 OAK ST
09181020009A009	TIMMERS, BRIAN S	1209 OAK ST
09181020008B889	DEGE, ROBERT J & PATTI L	1207 OAK ST
09181020007Y009	HENDRICKSON, DAVID	513 12TH ST SE
09181020007B009	MOUNT, JOSHUA	1201 OAK ST
09181020005Z009	POLANSKY, GAIL & TIMOTHY	509 12TH ST SE
09181020005Y009	EDWARDS, CHRISTIAN	1204 NORWOOD ST
09181020004A009	WIND, CAMERON & LORI	1212 NORWOOD ST
09181020003A009	BAILEY, WAYNE W & CHERYL	1216 NORWOOD ST
09181020002A009	MCLAIN, PATRICK	1220 NORWOOD ST
09181020001A009	HOFFMAN, MATTHEW J	1222 NORWOOD ST
091810190120889	JOB, PRESTON & AIMEE	1323 OAK ST
091810190110009	FEALY, SCOTT W	1317 OAK ST
091810190100009	LANEY, KIMBERLY J	1313 OAK ST
091810190090009	RDT INVESTMENTS LLC	1309 OAK ST
091810190080009	LAKES PRINTING INC , OF BRAINERD	1307 OAK ST
091810190070009	LAKES PRINTING INC , OF BRAINERD	515 13TH ST SE
091810190060009	BEMENT, HARRY & ARLISS	503 13TH ST SE
091810190050009	NORWOOD STREET LLC	1306 NORWOOD ST
091810190040009	KHOKHAR, FAISAL & TATIANA	1314 NORWOOD ST
091810190030009	SMITH, CODY L	1316 NORWOOD ST
091810190020009	WILSON, CLYDE ROY & CHERYL	1320 NORWOOD ST
091810190010009	WILSON, JESSICA	1324 NORWOOD ST
091810180120009	JOHNSON, TODD M & KRISTA SUE	1423 OAK ST
091810180110009	WEHMHOFF, DOMINIC MICHAEL	1421 OAK ST
091810180100009	FORSTER, ELAINE C	1415 OAK ST
091810180090009	SCHEI, CHRISTOPHER N & CHRYSI A	1411 OAK ST
091810180080009	WEISS, KIMBERLY C	1407 OAK ST
091810180070889	IRON HUB PROPERTIES LLC	1403 OAK ST
091810180060009	PUERINGER, DAVID F	1404 NORWOOD ST
091810180050009	LORIMOR, DIANNA C	1408 NORWOOD ST
091810180040009	POLAR BEARS II LP	1412 NORWOOD ST
091810180030009	LEATIGER LLC	1416 NORWOOD ST
091810180020009	WILT, DAVID	1418 NORWOOD ST
091810180010009	RED FIVE RENTALS LLC	1424 NORWOOD ST
091810170000009	IND SCHOOL DIST, # 181	1515 OAK ST
091810160120009	NELSON, MATT	1623 OAK ST
091810160110009	THOMAS, JOHN G	1617 OAK ST

09181016002B009	DWYER, BENJAMIN	1618 NORWOOD ST
09181016001Z009	WIRKUS, NICHOLAS	1622 NORWOOD ST
09181015011Z009	MARIDIA LLC	1703 OAK ST
09181015011Y009	WEBB, TAMARA J	1707 OAK ST
09181015011X009	SNEVA, LANNY J	1709 OAK ST
09181015008Z009	NASH, TERRANCE T ET UX	1702 NORWOOD ST
09181015008Y009	AUGUST INVESTMENTS LLC	1704 NORWOOD ST
09181015008X009	ZANOSKO, JOHNNY	1710 NORWOOD ST
09181014004Z009	WAHL, DANIEL J	423 17TH ST SE
09181014004Y009	JOOSTEN, CAROL M	1707 NORWOOD ST
09181014004X009	DOSH, BRYAN D	1711 NORWOOD ST
09181014001Z009	HOYE, CHRISTOPHER L & REBECCA J	1704 MAPLE ST
09181014001Y009	KARLSON, TRACY C	1712 MAPLE ST
091810130120009	CAPITAL INVESTMENTS LLC	418 17TH ST SE
091810130110009	KMECIK, JASON THOMAS	1619 NORWOOD ST
091810130100009	KRAMVIK, JAMES L & BRIANNA M	1615 NORWOOD ST
091810130090009	DONOSO, THELLO	1609 NORWOOD ST
091810130080009	JOEL, JAMES H JR & SHELLEN M	1607 NORWOOD ST
091810130070009	SPIELMAN, KRISTEN A	1603 NORWOOD ST
091810130060009	BELL, RICHARD H & DEBORAH	1604 MAPLE ST
09181013004Z009	PUERINGER, DAVID F	1610 MAPLE ST
091810130030009	WALTERS, MARK	1614 MAPLE ST
091810130020009	DAVIS, CHRIS	1620 MAPLE ST
09181013001B009	WILT, DAVID	408 17TH ST SE
09181013001A009	DAVIS, CHRIS	1622 MAPLE ST
091810120120009	PETERSON, NATHAN L	1521 NORWOOD ST
09181012011B009	WAGNER, SHERRI K	1517 NORWOOD ST
09181012011A889	MINNEGASCO INC ACCOUNTS PAYABLE	0
091810120100009	RDT INVESTMENTS LLC	1513 NORWOOD ST
091810120080009	VIOLA PROPERTIES LLC	1507 NORWOOD ST
091810120070009	HENNIS, JASON U	1501 NORWOOD ST
091810120060009	MILLER, ROBERT J & GREGG MICHAEL J	1500 MAPLE ST
09181012005Y009	CLUEVER CONSTRUCTION INC	1504 MAPLE ST
09181012004Z009	PUERINGER, DAVID F PUERINGER INVEST	1509 NORWOOD ST
09181012003Z009	MOSER, ANDREW H & ANNETTE	1516 MAPLE ST
091810120020009	D & S FAMILY PROPERTIES LLC	1520 MAPLE ST
091810120010009	KRETZMAN, KIMBERLEA	1524 MAPLE ST
091810110120009	STACK, KEN EDWARD & CATHLEEN THERESA	1421 NORWOOD ST
091810110110009	HOEISEL, PAUL & GLENDA TRUST AGR	1417 NORWOOD ST
091810110100009	TAZ PROPERTIES OF BRAINERD LLC	1415 NORWOOD ST
091810110090009	REMMICK INVESTMENTS LLC	1409 NORWOOD ST
091810110080009	RZ HOLDINGS LLC	1405 NORWOOD ST
091810110070889	RZ HOLDINGS LLC	1401 NORWOOD ST
091810110060009	MID-MINNESOTA, WOMEN'S CENTER	0 MAPLE ST
091810110050009	MID-MINNESOTA, WOMEN'S CENTER	0 MAPLE ST
091810110040009	MID-MINNESOTA, WOMEN'S CENTER	0 MAPLE ST
091810110030009	MID-MINNESOTA, WOMEN'S CENTER	0 MAPLE ST
09181011001Z009	MID-MINNESOTA, WOMEN'S CENTER	1414 MAPLE ST
09181010012B009	WAIER, MATTHEW	420 14TH ST SE
09181010012A009	THEIEN, BRANDI J	414 14TH ST SE
091810100110009	GRITTNER, TIMOTHY M	1317 NORWOOD ST
091810100100009	TEAM BANKS PROPERTIES ONE LLC	1315 NORWOOD ST
091810100090009	TAYLOR, TERI L	1305 NORWOOD ST
09181010007B009	RZ HOLDINGS LLC	421 SE 13TH ST
09181010007A009	JANOWIAK, RONALD A	413 13TH ST SE
09181010005Z009	LISA STRANGE PROPERTIES LLC	407 13TH ST SE
09181010004Z009	LISA STRANGE PROPERTIES LLC	1310 MAPLE ST
09181010004C009	STROWBRIDGE, SCOTT J	409 13TH ST SE
09181010004A009	RUDOLPH, JUSTIN	1312 MAPLE ST
091810100030009	MALAY, ETHEL	1314 MAPLE ST
09181010001Z009	DEGEN, MICHAEL	402 14TH ST SE
091810090120009	STANGLER PROPERTIES LLC	420 13TH ST SE
091810090110009	HOWARD, TODD A & DE LYNN D	1217 NORWOOD ST
091810090100009	LAMECKER, DEBRA M	1215 NORWOOD ST
091810090090009	GOTTWALT, MATTHEW & ERICA	1211 NORWOOD ST
09181009008B009	PRUESER, JENNIFER E	1207 NORWOOD ST
09181009007B009	KRUEGER, MANVIL J	1201 NORWOOD ST
09181009006A009	WILLER, LAURIE A	1202 MAPLE ST
09181009005Y009	BRAINERD HOUSING & REDEVELOPMENT AUTHORI	413 12TH ST SE
09181009005A009	SCHOONOVER, PATRICK W	1208 MAPLE ST
091810090040009	ALEXANDER, FELIX B & MARY	1212 MAPLE ST
091810090030009	PUERINGER, DAVID F PUERINGER INVEST	1216 MAPLE ST
091810090020009	DUERKOP, ERIN E	1220 MAPLE ST
091810090010009	BERRY, DELORES ANN	1224 MAPLE ST
09181008006A009	RADEN, LINDA & BRIAN J &	1123 NORWOOD ST
09181008004Z009	KRIZ, MICHELE	416 12TH ST SE
09181008003Z009	CITY OF BRAINERD	410 12TH ST SE
091810080010009	HUMMEL, MARCY D	402 12TH ST SE
09181008000H009	PIKE, ROMAN & BOBBI	1107 NORWOOD ST
09181008000G009	UNGER, SIMON T	1115 NORWOOD ST
09181008000F009	MARTINEZ, BRIAN &	1105 NORWOOD ST
09181007000B009	PALMER, JAMES A	0
09181007000A009	TORGRIMSON, TOM & DEBBIE	0
091810060120009	ENDRES, ALEC & KAYLA PIERZINSKI	1223 MAPLE ST
091810060110009	MASONIC TEMPLE ASSOC OF BRD INC	1221 MAPLE ST

091810060100009	LENDTVEDT, STEVEN	1215 MAPLE ST
091810060090009	BOSCH, TIMOTHY W & LISA C TRUST	1209 MAPLE ST
091810060080009	MARIDIA LLC	1205 MAPLE ST
091810060070009	YDE, DAVID E	1201 MAPLE ST
091810060060009	KUHN, DALE P & DEBRA L	1202 LAUREL ST
091810060050009	ZEBROSKI, RICHARD J	1208 LAUREL ST
09181006003Z009	HALL, KATHRYN &	1212 LAUREL ST
09181006003Y009	RZ HOLDINGS LLC	1216 LAUREL ST
091810060020009	WILT FAMILY PROPERTIES LLC	1218 LAUREL ST
091810060010009	RZ HOLDINGS LLC	1224 LAUREL ST
09181005011Z009	BRITTON, BARBARA L & LEROY A	324 14TH ST SE
09181005011Y009	BLANK, HALEY ANN	318 14TH ST SE
091810050100009	LARSON, GREGORY & MICHELE	1315 MAPLE ST
09181005005Y009	BRAINERD LAND LLC	1307 MAPLE ST
09181005001Z009	LADD, JAMIE	308 14TH ST SE
091810040110009	PUERINGER, DAVID F	316 15TH ST
09181004010Z009	CLUEVER CONSTRUCTION INC	
09181004005Z009	PORT OF CROW WING, COUNTY	1406 LAUREL ST
09181004003Z009	STEDIN PROPERTIES LLC	1408 LAUREL ST
09181004001Z009	TAX FORFEITED	308 15TH ST SE
09181004001Y009	WATSON, ROBERT & KELSEY	302 15TH ST SE
09181003012A009	PRIMROSE, JODI F	316 16TH ST SE
09181003011Z009	MATTEN, JOLEEN R	1521 MAPLE ST
09181003008Z009	LAKES AREA HABITAT FOR HUMANITY	0
091810030070009	KEMP, PAUL D JR & HEATHYR K	0
091810030060009	BENNETT, DAVID J & WEDNESDAY J REV TRUST	303 15TH ST SE
091810030050009	DEGEN, MICHAEL	1506 LAUREL ST
09181003003Z009	LARSON, GREGORY J & MICHELE L	1510 LAUREL ST
09181003001Z009	WOODEN, TODD WAYNE	1522 LAUREL ST
09181003001B009	FREDERICKS, REGINALD & AMANDA	312 SE 16TH ST
09181003001A009	WENDEL PROPERTIES LLC	314 SE 16TH ST
091810020120009	BURGSTALER, JAMES B & AURORA R	0
091810020110009	BEMENT, HARRY S	1617 MAPLE ST
091810020100009	BURGSTALER, JAMES B & AURORA R	0
09181002008Z009	PUERINGER, DAVID F PUERINGER INVEST	1613 MAPLE ST
091810020070009	METZ, BRYANT	1601 MAPLE ST
09181002005Z009	BURGSTALER, JAMES B & AURORA R	1602 LAUREL ST
091810020040009	BOURASSA, KURT C & JANICE N	
09181002002Z009	BOURASSA, KURT C & JANICE N	1614 LAUREL ST
091810020010009	BOURASSA, KURT C	0
091810010060009	LIND, DAN RUSSELL	1709 MAPLE ST
091810010050009	ONUUKHOVSKA, MARIYA	1705 MAPLE ST
091810010040009	JM ANDERSON PROPERTIES LLC	1701 MAPLE ST
09181001002Z009	KILLIAN, TALIA R	1708 LAUREL ST
091810010010009	HUNSTAD, JORDAN	1712 LAUREL ST
091640090060009	MARS, VICTOR E III & LISA	1901 OAK ST
091640090050009	MARS, VICTOR E III & LISA	1903 OAK ST
09164009001X009	CORNERSTONE PROPERTY MANAGMENT LLC	501 19TH ST SE
09164009001V009	DECHAINED, LAURA J	505 19TH ST S
09164009001U009	BENT, KAREN RUTH	511 19TH ST SE
09164008004Z009	BURGSTALER, JAMES B & AURORA R	423 19TH ST SE
09164008004W009	BRITTON, LARRY & JOYCE F	417 19TH ST SE
09164008001W009	BURGSTALER, JAMES B & AURORA R	411 19TH ST SE
09164007004Z009	BURGSTALER, JAMES B & AURORA R	323 19TH ST SE
09164007004X009	BURGSTALER, JAMES B & AURORA R	317 19TH ST SE
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09164006009Z009	CITY OF BRAINERD	0
09164006007Z009	STEPHAN, ARDYCE & FORREST	1821 MAPLE ST
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091640050100009	PATRICK, NILA M	1805 NORWOOD ST
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091640050050009	ALSHATARAT, ANMAR	
091640050040009	ALSHATARAT, ANMAR	
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091640050020009	ALSHATARAT, ANMAR	
091640050010009	ALSHATARAT, ANMAR	
09164004011Z009	TESTER, PAMELA R	1803 OAK ST
09164004011A009	BEMENT, HARRY S	1807 OAK ST
091640040100009	BACHEL, TIMOTHY G	1809 OAK ST
091640040090009	PRESCOTT, BRENT E & DEBORAH R	1813 OAK ST
091640040080009	WOODS, SHELDON	1821 OAK ST
091640040070009	LEE, LAWRENCE LEROY REV TRUST (1/2)	1823 OAK ST
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091640040050009	D & S FAMILY PROPERTIES LLC	1818 NORWOOD ST
09164004003Z009	ANDERSON, LEE E &	1816 NORWOOD ST
09164004001Z009	FLEISCHACKER, DAVID L & APRIL BARKE	511 18TH ST SE
09164004001Y009	FLETCHER, JOHN R & AMY L	507 18TH ST SE
091640030060009	LI, YUAN Y & DING, QIAO JIAO	1713 OAK ST
091640030050009	BARSNESS, CAROL	1719 OAK ST
091640030040009	ENGLUND, BRIAN	1723 OAK ST
091640030030009	STAPLETON, DAVID	1724 NORWOOD ST
091640030020009	DOUGLASS, JOSEPH R & COURTNEY VOGES	1720 NORWOOD ST
091640030010009	BAJULA, ROXANNE M	1716 NORWOOD ST

091640020060009	DILUZIO, ROBERT C & JOSEPHINE E	1715 NORWOOD ST
091640020050009	DEUEL, CLINTON & KATHLEEN	1717 NORWOOD ST
091640020040009	PETTERSON, KEITH	1723 NORWOOD ST
091640020030009	GARBOW, ROGER JR &	1724 MAPLE ST
091640020020009	WELLIVER, MARY	1720 MAPLE ST
091640020010009	WELLIVER, MARY F TRUST	1716 MAPLE ST
091640010060009	BURGSTALER, JAMES B & AURORA R	1715 MAPLE ST
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091640010030009	LURA, MATTHEW J	1724 LAUREL ST
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091640010010009	CERON, NITA TRUST	1716 LAUREL ST
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09145000028B009	EDIN, HEATHER	0
09145000028A009	EDIN, HEATHER	1724 OAK ST
09145000027B009	WIKSTROM, TEENA MARIE	1800 OAK ST
09145000027A009	ANDERSON, SEAN RICHARD	1806 OAK ST
09145000026C009	GOTTWALT, MATTHEW & ERICA	1812 OAK ST
09145000026B009	MCKEAG, JONATHAN P & HEIDI J	1814 OAK ST
09145000026A009	ELISEUSON, CAROLE A	1816 OAK ST
09145000025C009	ROBERTS, KATIE LYNN	1820 OAK ST
09145000025B009	SCHUBERT, ERICA J &	1822 OAK ST
09145000025A009	SCHROEDER, MALCOLM	604 19TH ST S
09145000004B009	SODERMAN, JAMIE LYN	1902 OAK ST
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09116021020Y009	BUSCH, LAURA L & JEFF B	1023 OAK ST
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091160210110009	LORIMOR, DIANNA C	1120 NORWOOD ST
09116021010B009	D & J RENTAL AND RENOVATION	1114 NORWOOD ST
09116021010A009	D & J RENTAL AND RENOVATION	1116 NORWOOD ST
09116021009B009	ERICKSON, WAYNE & MARGE ERICKSON &	1110 NORWOOD ST
09116021009A009	ERICKSON, WAYNE & MARGE ERICKSON &	1112 NORWOOD ST
091160210080009	ERICKSON, WAYNE B & MARGIE A	1108 NORWOOD ST
091160210070009	DALTON, PENNY A & JEREMY K & JACOB L	1102 NORWOOD ST
091160210060009	LARSON, PETER H	1103 OAK ST
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091160210040889	RAGE HOLDINGS LLC	1111 OAK ST
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091160210010009	DAVIDSON, ANDREW W	1123 OAK ST
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09185003012D009	PUERINGER, DAVID F	0
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091850020030009	STATE OF MINNESOTA DEPART OF TRANS	0
091840000100009	HAMILTON, BENJAMIN W	1731 GRAYDON AVE
091840000090009	GRAY, AMY J	1725 GRAYDON AVE
091840000080009	FITCH, TYLER P	1721 GRAYDON AVE
091840000070009	ERICKSON, JARED E & BRIANNA L	1717 GRAYDON AVE
091840000060009	KOTYK, STEVEN M & CAROLYN H	1713 GRAYDON AVE
091840000050009	MOHS, JORDAN P	1714 6TH ST S
091840000040009	MITCHELL, RHONDA	1720 6TH ST S
091840000030009	HYATT FAMILY REV LIVING TRUST (THE)	1726 6TH ST S
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091830020040009	BARKER-PETERSEN, BARETTA T AND	1721 6TH ST S
091830020030009	REOPELLE, CHRISTOPHER & JUANITA	1715 6TH ST S
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091830010090009	BRECKENRIDGE, GAIL J TRUST	605 RONALD ST
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091830010070009	SMOLKE, STEVEN J & WENDY	1643 6TH ST S
091830010060009	JUBIE, LOIS A	1635 6TH ST S
091830010050009	STUMPF, JACOB	1629 6TH ST S
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09183001001Z009	FRANCIS, MARIE E	1603 6TH ST S
09179000020Z009	BROKAW, LLOYD LADD & MARK HOLLIS FORD	506 CEDAR ST
091790000040009	JOHANSEN, DANIEL	503 CEDAR ST
091790000030009	MERTENS, JUSTIN G	509 CEDAR ST
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091780010010009	BRAINERD HOSPITALITY LLC	0
091610000100009	PINDEGAYOSH, DALE MANN	1711 GRAYDON AVE
091610000090009	HARRIS, TROY R & JILL T	0
091610000080009	HARRIS, TROY R & JILL T	1705 GRAYDON AVE
091610000070009	LINGENFELTER, JAY KENNETH &	501 LINDEN LN
091610000060009	JEZIORSKI, STEPHANIE	505 LINDEN LN
091610000050009	OWEN, BRANDON D	509 LINDEN LN
091610000040009	NESHEIM, FRANK & LUCY	513 LINDEN LN
091610000030009	THOMS, STEVEN	1704 6TH ST S
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09154002005Z009	SCHWARTZ, DWIGHT D & MARGARET	1622 GRAYDON AVE
09154002005Y009	ARENS, JOSEPH P	1620 GRAYDON AVE
091540020040009	ANDERSON, NICHOLAS	1614 GRAYDON AVE
091540020030009	KOTULA, THOMAS J & BETTE TRTEES KOT	1610 GRAYDON AVE
091540020020009	SCHMITZ, PETER A	1606 GRAYDON AVE
091540020010009	CALOS, MATTHEW P & JACQUELYN D	1602 GRAYDON AVE
091540010050009	WILSON, IAN M & JENNIFER L	1603 GRAYDON AVE
091540010040009	HALBACH, MARYA LISA	1607 GRAYDON AVE
091540010030009	ALLEN, MISTY	1611 GRAYDON AVE
091540010020009	MOON, WANDA L	1615 GRAYDON AVE
091540010010009	ASKE, JEANNE M & KARL R	1619 GRAYDON AVE
091420040030889	BRAINERD HOSPITALITY LLC	0
091420030110009	RENNEKE, DEAN	623 MADISON ST
091420030100009	POTTS PROPERTIES LLC	2029 6TH ST S
091420030090889	ST JOSEPH'S MEDICAL CENTER	2019 6TH ST S
091420030080889	RIVER OAKS PROPERTIES LLC	2011 6TH ST S
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09142003001Z009	S SQUARED CAPITAL LLC	1903 6TH ST S
091250010050009	MANKOWSKI, ERIK G	1836 7TH ST S
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091240020220009	TUOMI, ANNE MARIE	1826 6TH ST S
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091240020160009	MAGNUS, DACIA	109 BIRCHRIDGE DR
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091240020140009	CLOSE, MEKENNA	1809 GRAYDON AVE
091240020130009	HOPPE, WADE A & JULIE A	1813 GRAYDON AVE
091240020120009	CHAPUT, TRAVIS	1817 GRAYDON AVE
091240020110009	STALL, LOGAN	1821 GRAYDON AVE
09124002009Z009	MACARTHUR, VIRGINIA J	1829 GRAYDON AVE
091240020080009	ROSTE, CRYSTAL J	1833 GRAYDON AVE
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091240020060009	IRVIN, KENNETH & MELISSA	1841 GRAYDON AVE
091240020050009	REYES, BRENDA	1845 GRAYDON AVE
091240010030009	SAILER, BENJAMIN & MACKENZIE	116 BIRCHRIDGE DR
091240010020009	QUALLEY, DARREL W & JOYCE B	110 BIRCHRIDGE DR
091240010010009	COLE, RICKE R & DEBRA	1748 6TH ST S
09103000007G009	CITY OF BRAINERD	
09103000007B009	TRINITY LUTHERAN, CHURCH	1420 6TH ST S
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09103000004K009	VREELAND, JOSEPH L & JULIE	1507 6TH ST S
09103000004J009	FEIERABEND, AUDREY C	1433 6TH ST S
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09103000004H009	MUEHLENHARDT, MARY E	1419 6TH ST S
09103000003F009	PATRICK, DEVIN & SIERRA	1415 6TH ST S
09103000003E009	LONG, MICHELE A	1411 6TH ST S
09103000002G009	YEZEK, CHYLER & LECLAIRE, SAMANTHA	1312 7TH ST S
09103000002C009	SELISKER, CHAD	1324 7TH ST S

09103000002B009
09103000001C009
060363400B00009
060363400A00009
060360000A00009
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04R000000010009

STATURE PROPERTIES BRD LLC
ERICKSON, KIMBERLY
BRAINERD HOSPITALITY LLC
BRAINERD HOSPITALITY LLC
CITY OF BRAINERD
GOLDEN OAK PROPERTIES LLC
BURLINGTON NORTHERN SANTA FE RR CO

1318 7TH ST S
612 WILLOW ST
0
2115 6TH ST S
0
601 MADISON ST
324 WASHINGTON ST NE



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Update regarding IBEW Local No. 31 (Public Utility) Union Strike

AGENDA: Main

ACTION REQUESTED: Information Only

SUBMITTED BY: Nick Broyles, City Administrator

DEPARTMENT: HR

PRESENTER: Nick Broyles, City Administrator

ESTIMATED TIME (MIN): 2 Minutes

SUMMARY OF ISSUE: A Mediation Session will be held with the IBEW Local No. 31 (Public Utility) Union on Friday, July 12th. In addition, the Union can legally begin to strike as of 12:01 am on Saturday, July 13th. Staff will provide Council with any applicable updates regarding these items.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

RECOMMENDED ACTION/MOTION:

FINANCIAL IMPACT:



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Accept City Flag from the Water Tower Committee

AGENDA: Main

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Paul Skogen

DEPARTMENT: Administration

PRESENTER: Paul Skogen

ESTIMATED TIME (MIN):

SUMMARY OF ISSUE: Paul Skogen would like to present the City with the flag that the Water Tower Committee produced. He is requesting permission to have the flag flown on top of the Water Tower.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

RECOMMENDED ACTION/MOTION: Approve the City Flag to be flown on the Water Tower.

FINANCIAL IMPACT:



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve the Wellhead Protection Plan for Minnesota Department of Health Review and Conduct Public Hearing

ACTION REQUESTED: Approve/Deny Motion

ESTIMATED TIME (MIN):

SUBMITTED BY: Danny Loch, Finance Manager

PRESENTER: Patrick Wussow, Interim Public Utilities Director, James Kramvik, Community Development Director

SUMMARY OF ISSUE: As required by the Minnesota Department of Health (MDH), a wellhead protection plan must be in place. The attached plan submitted for approval is an updated plan that has been open for public comment the last 60 days and no comments were received. Staff within all departments have reviewed the plan and the BPU Commission received a presentation related to the updates at their last meeting and have recommended the attachment be approved for MDH review. This update occurs every 10 years.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: As part of the plan approval, a public hearing must be held.

RECOMMENDED ACTION/MOTION: Conduct the required public hearing and confirm BPU commission's recommendation to approve the attached draft to MN Department of Health.

FINANCIAL IMPACT:



AFFIDAVIT OF PUBLICATION

State of Pennsylvania, County of Lancaster, ss:

Hayden Lipsky, being first duly sworn, deposes and says: That (s)he is a duly authorized signatory of Column Software, PBC and duly authorized agent of the Brainerd Dispatch, a newspaper printed and published in the City of Brainerd, County of Crow Wing, State of Minnesota.

1. I have personal knowledge of the facts stated in this Affidavit, which is made pursuant to Minnesota Statutes §331A.07.
2. The newspaper has complied with all of the requirements to constitute a qualified newspaper under Minnesota law, including those requirements found in Minnesota Statutes §331A.02.
3. The dates of the month and the year and the day of the week upon which the public notice attached/copied below was published in the newspaper are as follows: Wednesday, July 3, 2024
4. The publisher's lowest classified rate paid by commercial users for comparable space, as determined pursuant to §331A.06, is as follows: \$17.50 per column inch.
5. Pursuant to Minnesota Statutes §580.033 relating to the publication of mortgage foreclosure notices: The newspaper's known office of issue is located in CROW WING County. The newspaper complies with conditions described in §580.033, subd. 1, clause (1) or (2). If the newspaper's known office of issue is located in a county adjoining the county where the mortgaged premises or some part of the mortgaged premises described in the notice are located, a substantial portion of the newspaper's circulation is in the latter county.

(Signed) Hayden Lipsky

Commonwealth of Pennsylvania - Notary Seal
Nicole Burkholder, Notary Public
Lancaster County
My commission expires March 30, 2027
Commission Number 1342120

VERIFICATION

State of Pennsylvania
County of Lancaster

Subscribed in my presence and sworn to before me on this: 07/08/2024

Nicole Burkholder

Notary Public
Notarized remotely online using communication technology via Proof.

NOTICE OF HEARING

The City of Brainerd City Council will be conducting a public hearing to consider the Wellhead Protection Plan pursuant to the Wellhead Protection Rule (part 4720.5350, subpart 4) to review the results of the delineation of the WHPA (Wellhead Protection Area), DWSMA (Drinking Water Supply Management Area), and the vulnerability assessments within the plan.

A Public Hearing will be conducted by the City Council at 7:30 p.m. Monday, July 15, 2024, in City Hall Council Chambers, 501 Laurel Street, Brainerd.

The public is invited to attend the hearing to offer input regarding the proposed Wellhead Protection Plan pursuant to the Wellhead Protection Rule (part 4720.5350, subpart 4). Any individual needing special accommodation please call (218) 828-2307.

Dated this 27th day of June 2024

Publication Date: July 3, 2024

Danny Loch

Brainerd Public Utilities Finance Manager
(Jul. 3, 2024)



BRAINERD
MINNESOTA
A City for All Seasons

City of Brainerd Wellhead Protection Plan Amendment Part II

Potential Contaminant Source Management Strategy

October 2024 – October 2033



Submitted by:
Bolton & Menk, Inc.
7533 Sunwood Drive, Ste 206
Ramsey, MN 55303
P: 763-433-2851

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Appendix E: Old Municipal Well Inventory

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Appendix G: Controls/Programs and Glossary of Terms

Appendix H: Implementation Schedule

Appendix I: LGU Review and Public Hearing

Public Water Supply Profile

PUBLIC WATER SUPPLY

NAME	City of Brainerd (PWSID 1180002)
ADDRESS	Charlie Gammon, Water/Wastewater Manager 8027 Highland Scenic Road, PO Box 373 Brainerd, MN 56401-0373
TELEPHONE NUMBER	(218) 330-8485
E-MAIL	cgammon@bpu.org

WELLHEAD PROTECTION MANAGER

NAME	Charlie Gammon Brainerd Public Utilities Water/Wastewater Manager
ADDRESS	8027 Highland Scenic Road, PO Box 373 Brainerd, MN 56401-0373
TELEPHONE NUMBER	218-330-8485
E-MAIL	cgammon@bpu.org

CONSULTANT

NAME	Bolton & Menk, Inc.
ADDRESS	7656 Design Road, Suite 200 Baxter, MN 56425-8676
TELEPHONE NUMBER	218-839-2303
E-MAIL	morgan.salo@bolton-menk.com

GENERAL INFORMATION

UNIQUE WELL NUMBERS:	Primary - Well #3 (Unique Number: 232347) Primary - Well #4 (Unique Number: 232348) Primary - Well #5 (Unique Number: 232349) Primary - Well #6 (Unique Number: 232350) Primary - Well #7 (Unique Number: 232352) Primary - Well #8 (Unique Number: 403973)
COUNTY:	Crow Wing
POPULATION SERVED:	14,395
SERVICE CONNECTIONS:	4,943

Documentation List

STEP	DATE PERFORMED
Scoping Meeting 2 Held (4720.5340, subp. 1)	January 21, 2022
Scoping 2 Letter Received (4720.5340, subp. 2)	February 14, 2022
Remaining Portion of Plan Submitted to Local Units of Government (LGUs) (4720.5350)	May 3, 2024
Review Received From Local Units of Government (4720.5350, subp. 2)	July 3, 2024
Review Comments Considered (4720.5350, subp. 3)	July 3-12, 2024
Public Hearing Conducted (4720.5350, subp.4)	July 15, 2024
Remaining Portion WHP Plan Submitted (4720.5360, subp. 1)	July 19, 2024
Final WHP Plan Review/Approval Received (4720.5360, subp. 4)	October 19, 2024

Members of the Wellhead Protection Team

NAME	REPRESENTING
Todd Wicklund	Brainerd Public Utilities – Director
Charlie Gammon	Brainerd Public Utilities – Water/Wastewater Manager
Trent Hawkinson	Brainerd Public Utilities – Operations Manager
Danny Loch	Brainerd Public Utilities – Finance Manager
Aaron Meyer	Minnesota Rural Water Association
Chris Parthun	Minnesota Department of Health - Planning
Morgan Salo	Bolton and Menk, Inc.
Angie Smith	Bolton and Menk, Inc.
James Kramvik	City of Brainerd – Community Development Director
Jessie Dehn	City of Brainerd – City Engineer, Public Works Director
TBD	City of Brainerd – Environmental Resources Technician
Chris Pence	Crow Wing County – Environmental Services Manager

Abbreviations

BMP	Best Management Practices	NRCS	Natural Resources Conservation Services
BWSR	Board of Water and Soil Resources	NWI	National Wetlands Inventory
CRP	Conservation Reserve Program	OBWEL	Observation Well
DNR	MN Department of Natural Resources	OHW	Ordinary High Water Level
DWSMA	Drinking Water Supply Management Area	PCSI	Potential Contaminant Source Inventory
EPA	Environmental Protection Agency	PWS	Public Water Supply
GIS	Geographic Information Systems	RST	Registered Storage Tank
HWGP	Hazardous Waste Generator Permit	SSTS	Sub-surface Sewage Treatment Systems
IWMZ	Inner Wellhead Management Zone	SWCD	Soil & Water Conservation District
LGU	Local Government Unit	ST	Storage Tank
LUST	Leaking Underground Storage Tanks	STOR	Ag Chemical Storage Permit
LWMP	Local Water Management Plan	SWUDS	State Water Use Permit
MDA	MN Department of Agriculture	TMDL	Total Maximum Daily Load
MDH	MN Department of Health	TOT	Time-of-travel
MGY	Million Gallons per year	UST	Underground Storage Tank
MN	Minnesota	WHP	Wellhead Protection
MNDOT	MN Department of Transportation	WHPA	Wellhead Protection Area
MPCA	MN Pollution Control Agency	WHPP	Wellhead Protection Plan
MRWA	MN Rural Water Association		

Executive Summary

The City of Brainerd Wellhead Protection Plan (WHPP) addresses the six municipal water supply wells' vulnerability and strategies to mitigate potential contaminants that could impact the public water supply. The City's previous WHPP was approved by the Minnesota Department of Health (MDH) in 2011. This WHPP amendment was prepared in accordance with the applicable portions of the State of Minnesota Wellhead Protection Rules: Minnesota Rules 4720. The overall goal of the City of Brainerd's Wellhead Protection Plan is to promote public health, economic development and community infrastructure by maintaining a potable drinking water supply for all residents of the community, both now and into the future.

In the Part 1 WHPP, the confirmation of the Wellhead Protection Area (WHPA), the Drinking Water Supply Management Area (DWSMA), vulnerability of the wells, and vulnerability status of the aquifer in which the city's wells are located was completed and approved by the MDH.

The City of Brainerd's groundwater supply is obtained from six primary wells screened in a sand and gravel aquifer, known generically as a Quaternary Water Table Aquifer (QWTA). At the location of the public water supply (PWS) wells, aquifer thickness ranges between approximately 105 to 140 feet, and the majority of the city's primary wells have a depth-to-water generally less than 20 feet. Well #8 is the outlier in this regard, with a well depth-to-water at about 75 feet. All wells are located more than 50 feet from designated the Mississippi River and Little Buffalo Creek 100-year floodplains. The underlying aquifers' vulnerability was assessed based on geologic logs from wells in the area, soils maps, and chemical and isotope data. **Figures 1A through 1C** map the vulnerability areas – Moderate and High – as well as both the Groundwater Contribution Area (GWCA) and the Surface Water Contribution Area (SWCA) within the DWSMA. **Figure 2** identifies the Section-Township-Range, roadways and, and property parcels as they relate to the DWSMA vulnerability.

The total DWSMA area is 1,617.9 acres, most of which falls within the city of Brainerd, in Crow Wing County, although there is a small area along the western portion of the DWSMA that falls within Oak Lawn Township. The GWCA has approximately 978 acres in moderate vulnerability and 306 acres in high vulnerability, while the SWCA has about 559 acres in high vulnerability. The discrepancy between these acreages and the total DWSMA acreage is due to approximately 162.56 acres overlapping between the GWCA and SWCA near the city's wells. The GWCA and SWCA have slightly different potential contaminant source requirements, and these are outlined in the Potential Contaminant Source Inventory (PCSI) in **Figures 8A through 8D** and **Appendix C**. Where these areas overlap, the GWCA PCSI standards were used as the primary source.

The DWSMA was originally delineated in 2011 and updated in 2021. The new DWSMA is about 30 percent smaller than the previous delineation, primarily due to changes in the 10-year capture zone boundaries and the elimination of the SWCA for Little Buffalo Creek. The vulnerability of the city's DWSMA is based on geologic sensitivity ratings, surficial geologic maps, and water chemistry data from

the city's wells. MDH has assigned a mixed vulnerability of high in the western part of the DWSMA and moderate in the eastern part. As a result of the mixed vulnerability status, the city's DWSMA is considered prone to a variety of contaminant threats that will be addressed in this Part 2 WHPP.

Management strategies focus on actions the city, along with the wellhead team, can facilitate during the next 10 years. These strategies incorporate the following areas of concern: Inner Wellhead Management Zone; Transportation Corridors; Surface Water Discharges; and MPCA-regulated activities, and Wells.

This Part 2 WHPP speaks to MN Rules sections 4720.5220 through 4720.5290 and addresses:

- Data elements and their assessments;
- Impacts of changes on the public water supply well;
- Issues, problems and opportunities, including potential contaminant sources;
- Wellhead protection goals, objectives and action plans;
- Program evaluation; and
- Alternative water supply/contingency strategy.

The Wellhead Protection Team intends to coordinate with Crow Wing County and other local and state agencies to facilitate land use planning within the DWSMA in the high and moderate vulnerability areas to the extent practicable. Through increased public awareness, the City of Brainerd can establish habits to decrease the potential for future water issues and the community can continue to enjoy the current quality of water it has come to expect.

Crow Wing County
Minnesota



Figure 1B: Groundwater Contribution Area (GWCA) and Vulnerability

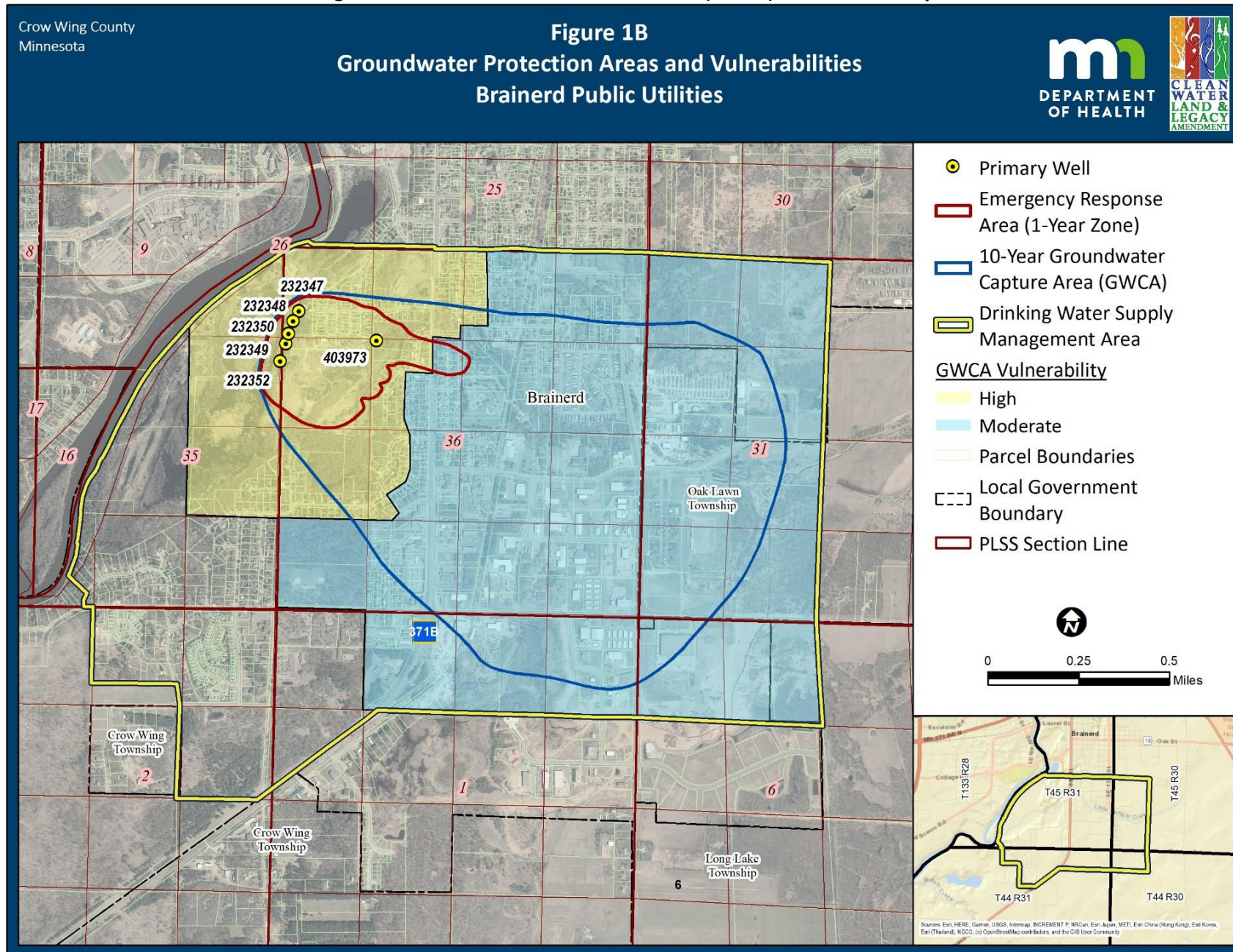


Figure 1C: Surface Water Contribution Area (SWCA) and Vulnerability

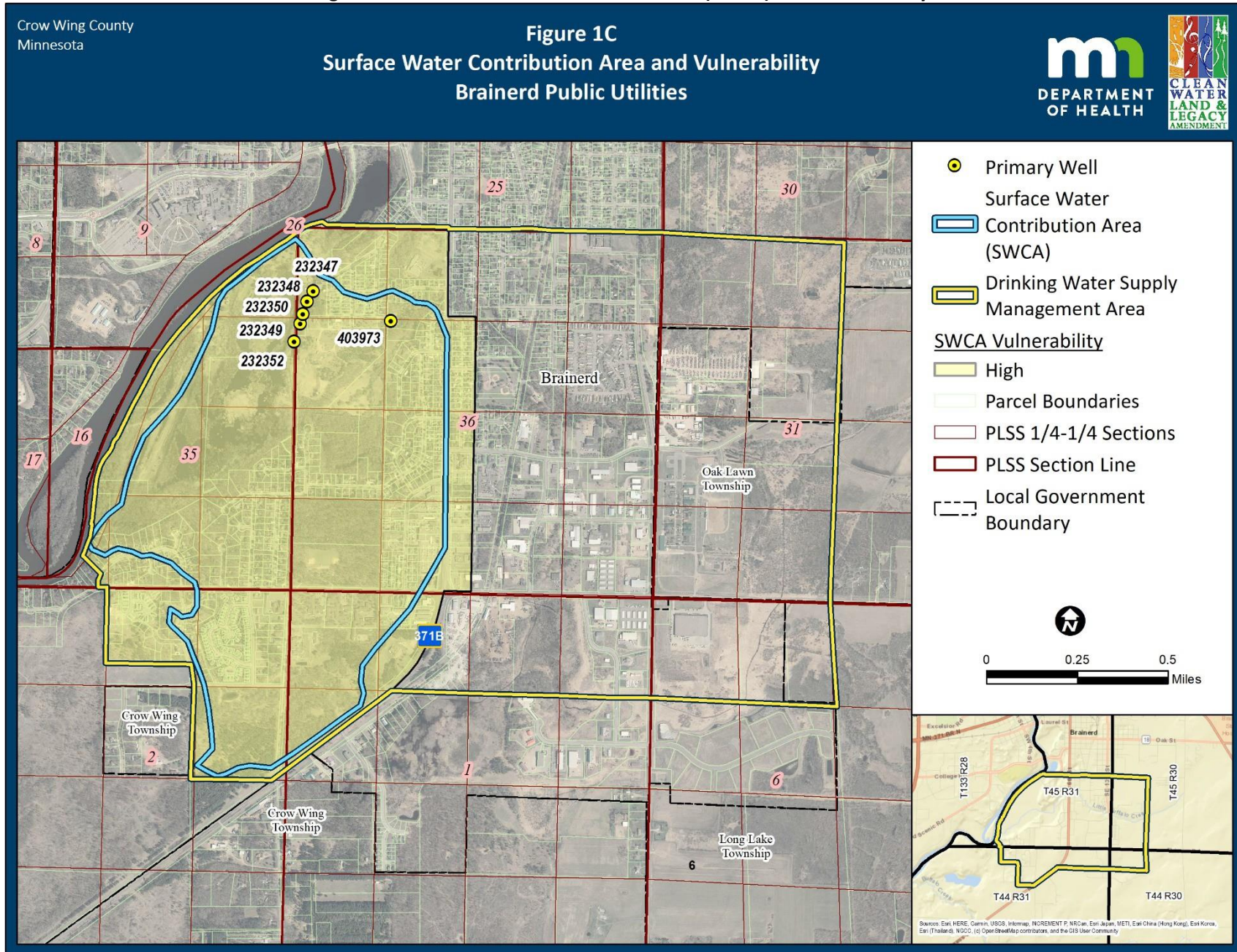
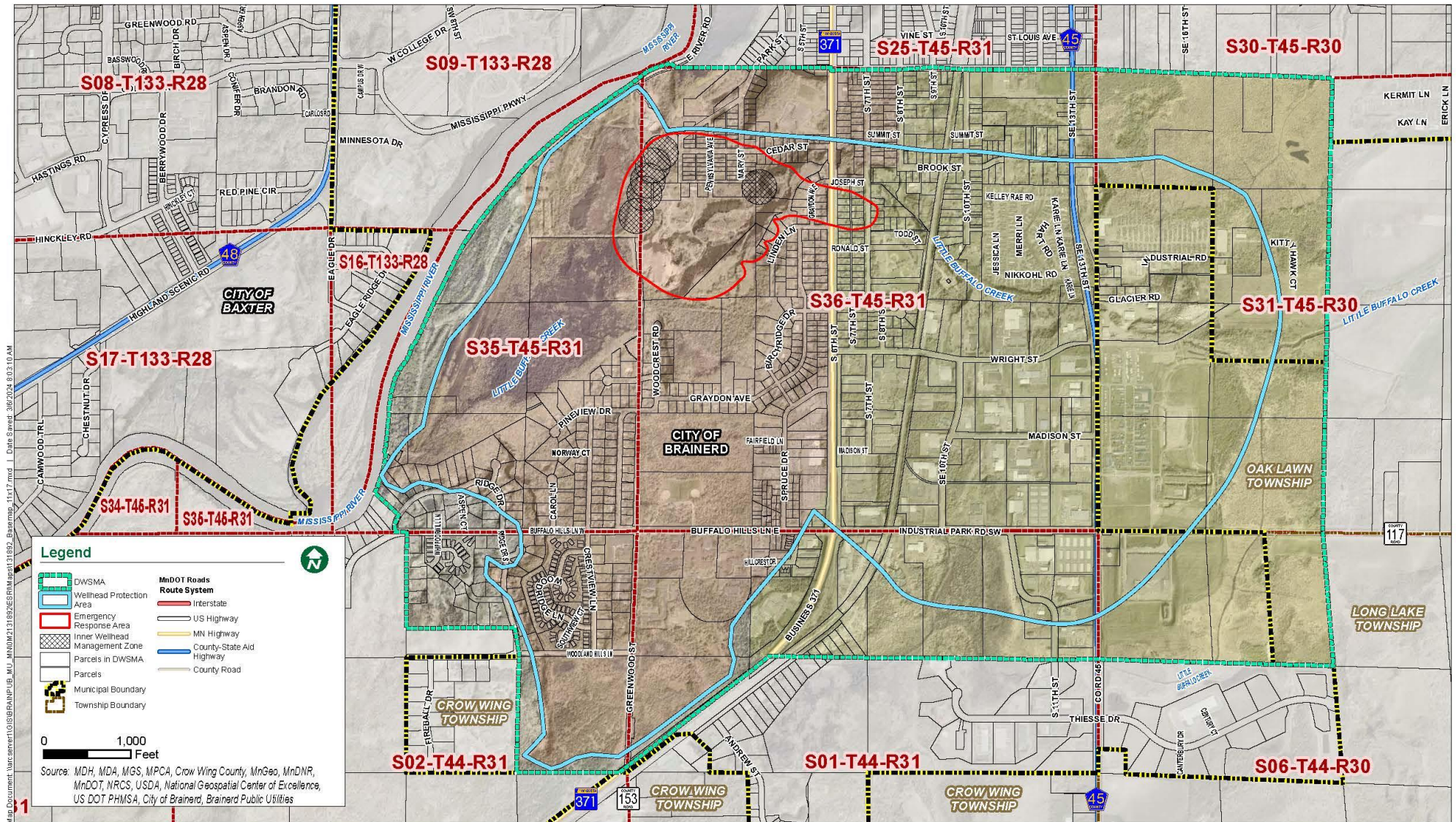




Figure 2: Section-Township-Range (Basemap)



CHAPTER 1: DATA ELEMENTS / ASSESSMENT

Minnesota Rules 4720.5200

I. REQUIRED DATA ELEMENTS

This Part 2 WHPP Amendment incorporates required data and other assessment elements as evaluated in the Part 1 WHPP (**Appendix A**) and outlined in the Part 2 Scoping Decision Notice (**Appendix B**).

A. Physical Environment Data Elements

1. Precipitation

According to the National Weather Service, average annual precipitation during the past five years in the City of Brainerd was 31.51 inches, with variation between 27.65 inches and 39.01 inches, as shown in **Table 1**. The majority of this precipitation occurs during the seven-month period from April to October.

Rain falling on the ground can filter through the layers of sediment and enter the aquifers containing the city's vulnerable wells. The city wells are vulnerable to contamination through groundwater infiltration. It is important to address areas where rainfall could cause infiltration of contaminants.

Table 1: Precipitation Data for Brainerd (inches)¹

	2018	2019	2020	2021	2022
JAN	0.24	0.4	1.24	0.64	0.27
FEB	1.21	1.54	0.03	0.24	1.07
MAR	2.27	1.86	0.72	1.53	1.14
APR	0.59	2.4	1.94	3.02	2.87
MAY	1.68	4.31	2.26	0.29	6.87
JUN	5.66	4.15	6.75	2.28	4.95
JUL	3.34	4.23	6.51	2.74	2.52
AUG	4.01	3.54	5.04	4.57	4.4
SEP	2.53	8.05	1.26	2.92	2.08
OCT	5.11	4.4	2.31	4.5	0.74
NOV	0.73	0.91	1.92	1.4	2.55
DEC	1.37	3.22	0.69	3.52	2.04
TOTAL	28.74	39.01	30.67	27.65	31.5

¹ Data Source: <https://climateapps.dnr.state.mn.us/hidenannual/HIDENannual.asp>

2. Geology

Geologic data elements pertinent to the Wellhead Protection Area (WHPA) delineation and vulnerability status are included in Part One of this Wellhead Protection Plan (WHPP) and were referenced throughout the delineation process. The 2011 Part 2 WHPP and the 2021 Part 1 WHPP are included in **Appendix A**. Additionally, they are on file with the Minnesota Department of Health (MDH) and the City of Brainerd. Potential impacts to the potential contaminant sources in the DWSMA from existing geological conditions were considered throughout the development of this plan.

Brainerd Public Utilities (BPU) has six primary wells screened in a sand and gravel aquifer, which is known generically as a Quaternary Water Table Aquifer (QWTA). At the location of BPU's wellfield, aquifer thickness ranges between approximately 105 to 140 feet. At the majority of wells, the depth-to-water is generally less than 20 feet. However, at the location of Well #8 (403973), where the land surface elevation is higher, the depth-to-water is about 75 feet. All six wells are located more than 50 feet from designated 100-year floodplains. Groundwater flows west-northwest, towards the Mississippi River.

There are no existing surface geophysical studies at this time.

3. Soils

Hydrologic soil groups within the DWSMA are depicted in **Figure 3** and **Table 2**. Approximately 46 percent of DWSMA soils are assigned to Group A, having a high infiltration rate when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission. Approximately 19.6 and 19.3 percent of soils within the DWSMA are assigned to dual class Group A/D and C/D, respectively. These soils typically have a relatively high infiltration rate (low runoff potential) when thoroughly wet and a very slow infiltration rate (high runoff potential) when thoroughly wet. The remainder of the DWSMA soils are assigned to either Group C/D or are Not Applicable (N/A) as they are covered by impervious surfaces.

The soil erodibility is shown in **Figure 4** for those soils within the DWSMA. Most of the DWSMA consists of loamy fine sand soils, which typically have low runoff potential and high infiltration rates. The soils' K factors (an indicator of susceptibility of a soil to sheet and rill erosion by water) are all low, less than 0.4, indicating a low likelihood of erosion issues. As annotated in **Table 3**, over 83 percent of the DWSMA soils are considered not highly erodible (NHEL) while less than 17 percent are designated as highly erodible land (HEL). While excessive erosion is not anticipated across the majority of the DWSMA, some areas along the creeks and waterways have the potential to erode; therefore, soils may serve as a significant transport of potential contaminants along waterways. Strategies to address land use will be discussed in Chapter 5.

Table 2: Hydric Soils in the DWSMA

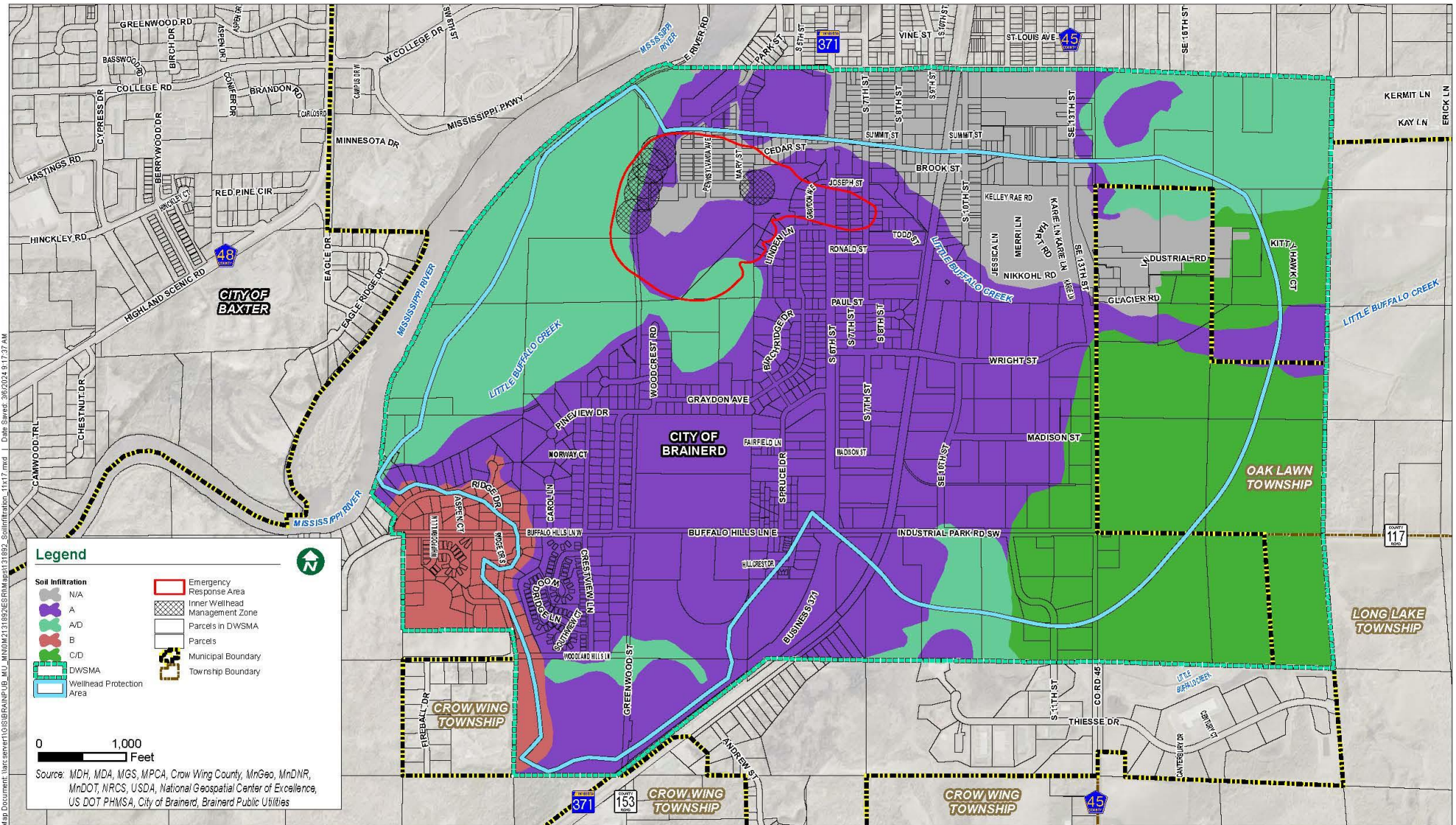
HYDROLOGICAL GROUP	ACRES	% of DWSMA
N/A	179.7	11.1%
A	742.2	45.9%
A/D	316.5	19.6%
B	67.8	4.2%
C/D	311.8	19.3%
TOTAL	1617.9	100.0%

Table 3: Erodible Soils within the DWSMA

Erodible Soil	ACRES	% of DWSMA
Highly Erodible Land	264.68	16.4%
Not Highly Erodible Land	1353.26	83.6%
TOTAL	1617.93	100.0%



Figure 3: Soil Infiltration



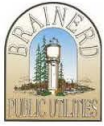
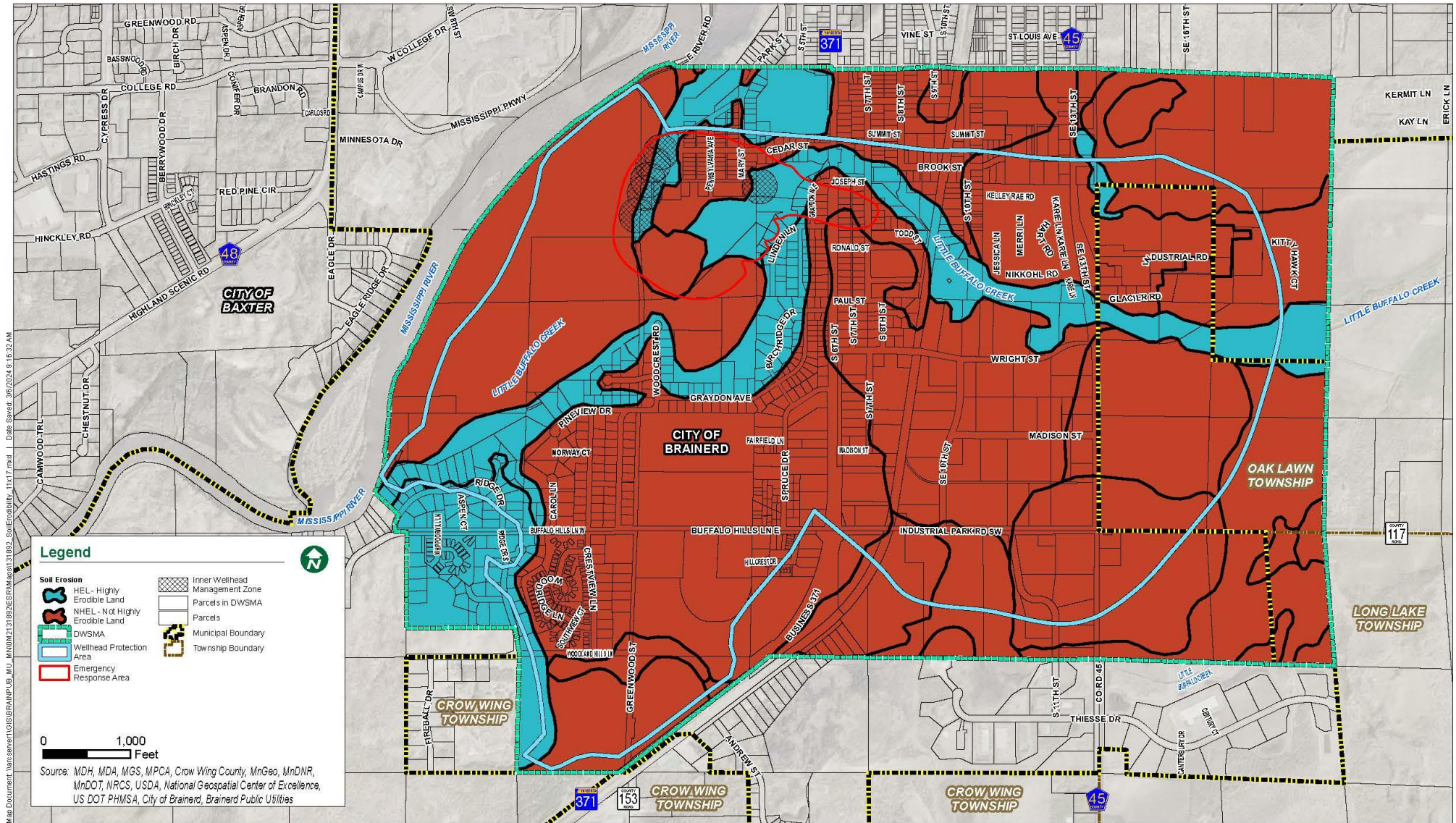


Figure 4: Soil Erodibility



4. Water Resources

The City of Brainerd is located in the Upper Mississippi River basin and the DWSMA is situated in the Mississippi River – Brainerd watershed (Hydrologic Unit Code 07010104). The Mississippi River – Brainerd One Watershed One Plan (1W1P) document can be found on Crow Wing County's website at <https://www.crowwing.gov/1476/One-Watershed-One-Plan-1W1P>.

Figure 5 shows the water resources in the vicinity of the DWSMA. The Mississippi River is the major discharge feature in the area, flowing southwest until it meets with the Crow Wing River. The confluence of the rivers is about six miles southwest of Brainerd. Two creeks, Little Buffalo Creek, and Buffalo Creek, drain west toward the river from the higher topographic areas. Little Buffalo Creek flows through the DWSMA, draining to the wetland immediately south of the wellfield and discharging to the river. Buffalo Creek is located south of the DWSMA and discharges to the Mississippi River a little more than a mile downstream from Little Buffalo Creek.

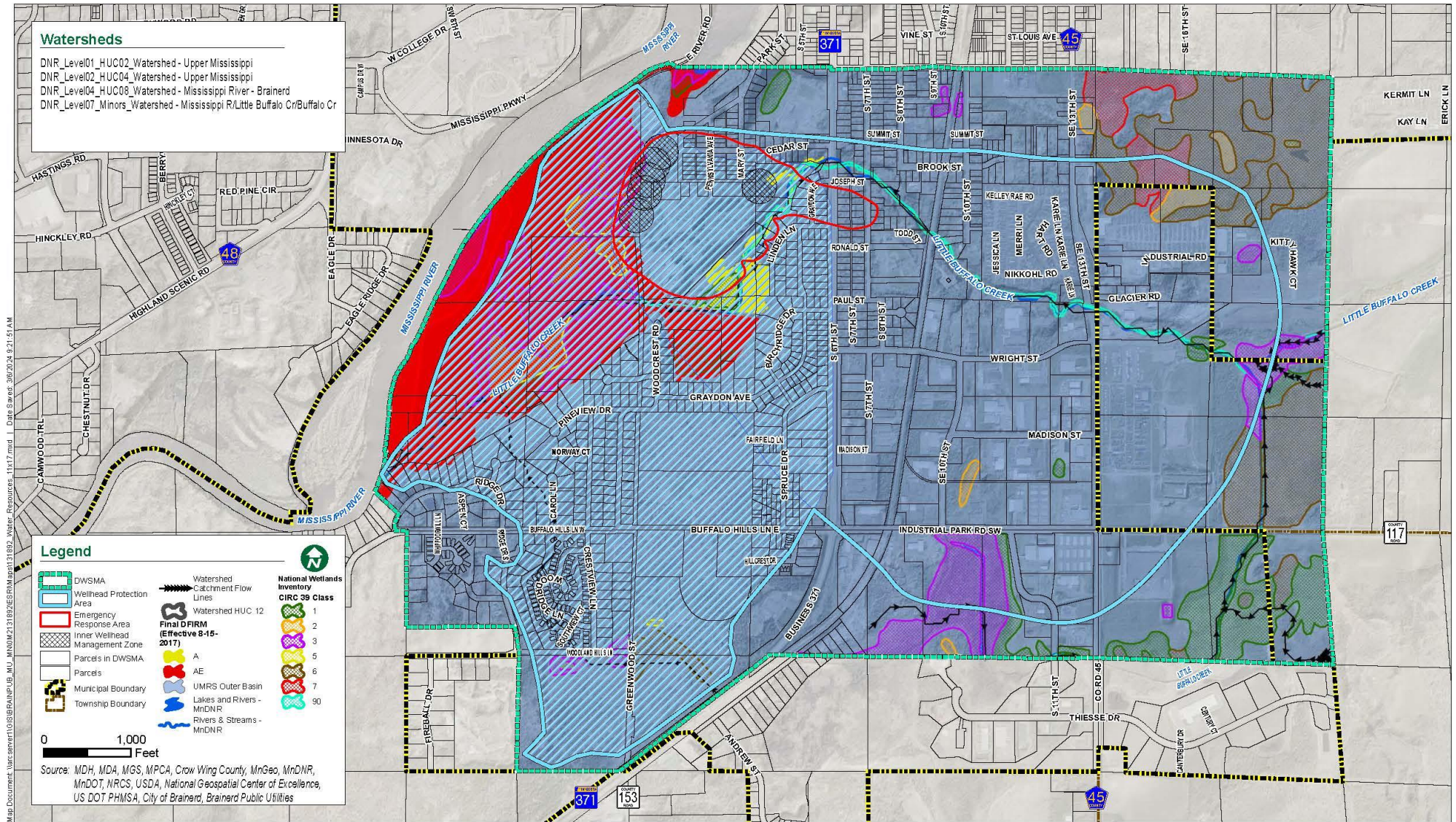
There are several National Wetlands Inventory (NWI) wetlands located within the DWSMA. Wetlands can provide a “nutrient sink” where the water flows into the wetland and is allowed to settle nutrients to the bottom while evaporation and movement through the soils takes some of the water out of the overland system.

There are Zone A and AE FEMA 100-year floodways located within the DWSMA. All of the wells are located more than 50 feet from the 100-year floodplain and are in compliance with the Well Code (Minnesota Rules 4725) isolation distances. No impacts to the public water supply wells are anticipated as a result of flooding events.

There are no public ditches presently identified within the DWSMA. Boom Lake is situated in the northwestern-most portion of the DWSMA, however, is not within the Surface Water Contribution Area (SWCA) and no in-depth assessment is required for this water body. The surface waters within the SWCA primarily serve as stormwater runoff channels during precipitation events.



Figure 5: Water Resources



B. Land Use Data Elements

1. Land Use

The City of Brainerd is located in Crow Wing County in central Minnesota. Land use within the DWSMA is a mix of developed, wetlands, tree cover, grass/pasture, wetlands, and some crops (**Table 4** and **Figure 6**). Future changes to land use are discussed in Chapter 2.

Table 4: Land Use within the DWSMA

Land Cover	Acres
Barren	1.6
Crops	6.7
Developed	865.3
Grass/Pasture	54.9
Open Water	8.8
Tree Cover	268.7
Wetlands	411.9
Total	1617.9

Continued development of Industrial, Residential, Business districts is anticipated to occur within the DWSMA. Additional information related to future growth within the City can be found in the Brainerd 2035 Comprehensive Plan Update. The plan is available for public review at:

<https://www.ci.brainerd.mn.us/DocumentCenter/View/6007/Comprehensive-Plan>.

2. Zoning

Official zoning in the DWSMA is shown in **Table 5** and **Figure 7**. Since the update in 2022, there have been no significant changes proposed to the city's future zoning.

Table 5: Zoning within the DWSMA

City of Brainerd Zoning	Acres
Contemporary Neighborhood 1 (CN-1)	107.3
Contemporary Neighborhood 2 (CN-2)	230.4
Garden Living (GL)	70.7
General Commercial (GC)	40.5
General Industrial (GI)	415.0
Park (P)	225.5
Public/Semi-Public (PSP)	112.7
Rural Living 1 (RL-1)	57.9
Right of Way	357.9
Total	1617.9

Zoning updates were adopted by the City of Brainerd in July 2022. Those updates can be viewed at <https://www.ci.brainerd.mn.us/212/Zoning-Code>. The city uses its Comprehensive Plan as the policy guide for responsible regulation of land use and development, and that document can be found here: <https://www.ci.brainerd.mn.us/DocumentCenter/View/6007/Comprehensive-Plan>.

Future Growth Areas as identified in the image below (page 25 in the Comprehensive Plan) shall be evaluated prior to implementation to ensure potential contaminants are mitigated to protect the city’s public water supply.

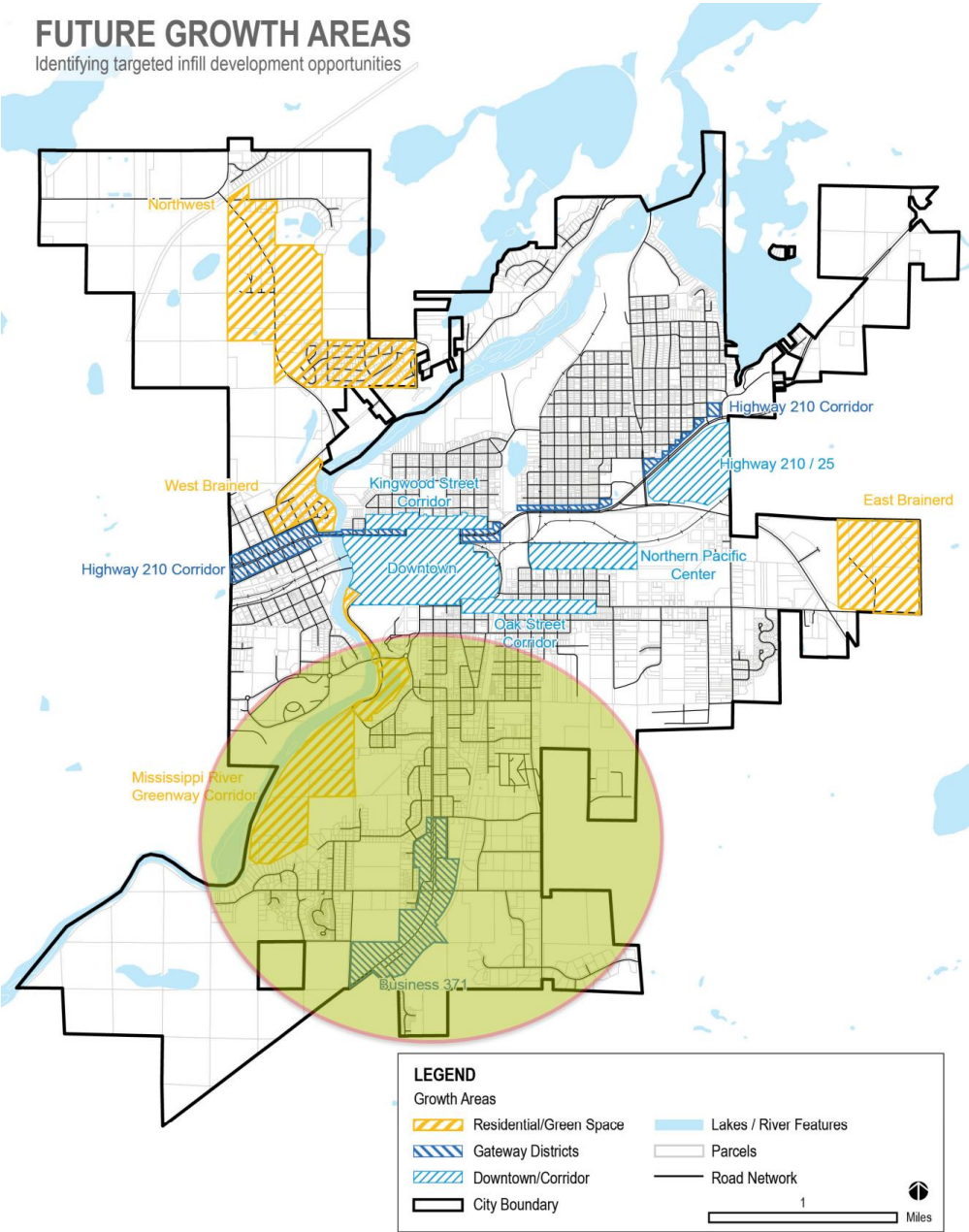




Figure 6: Land Cover within the DWSMA

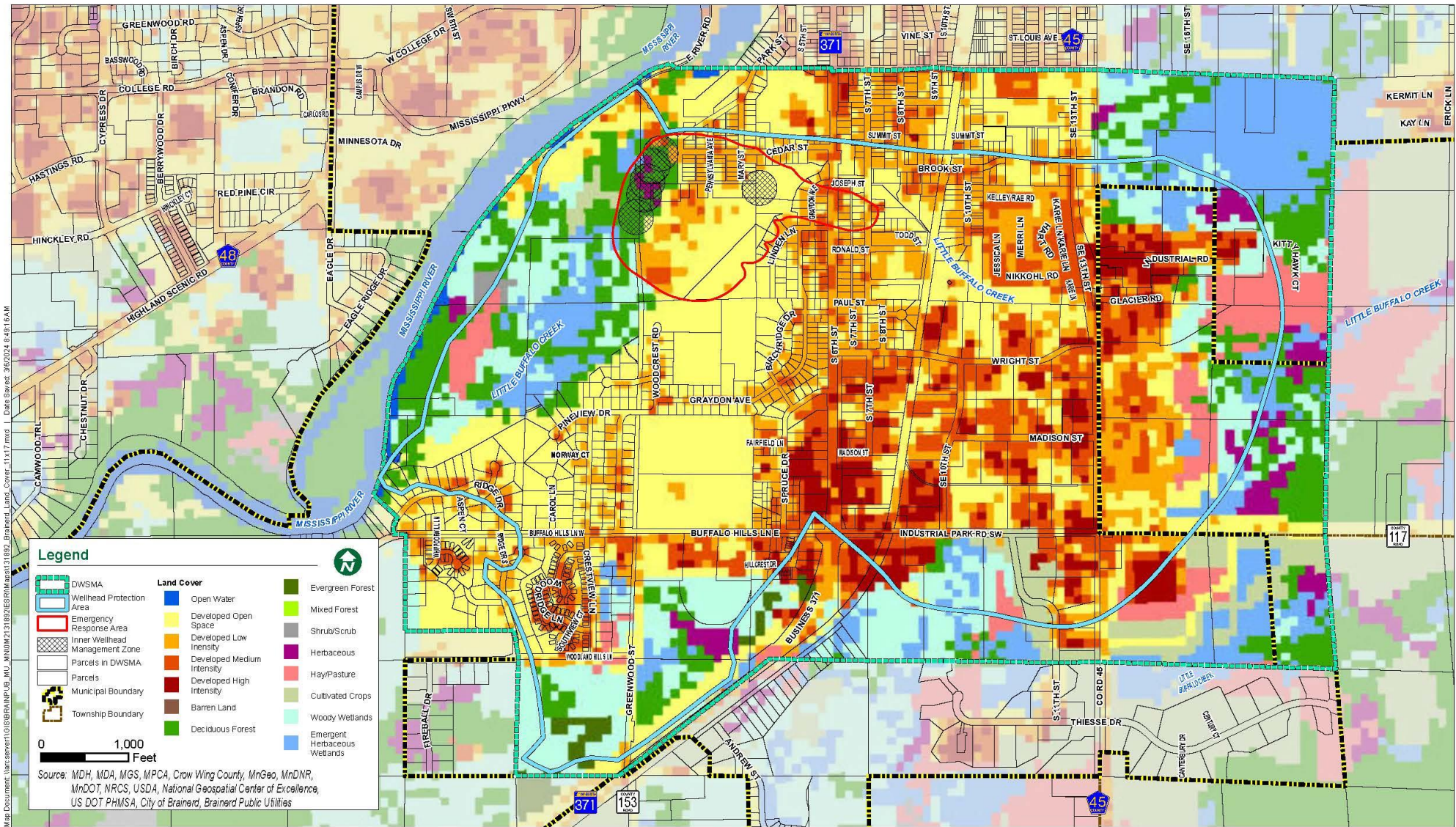
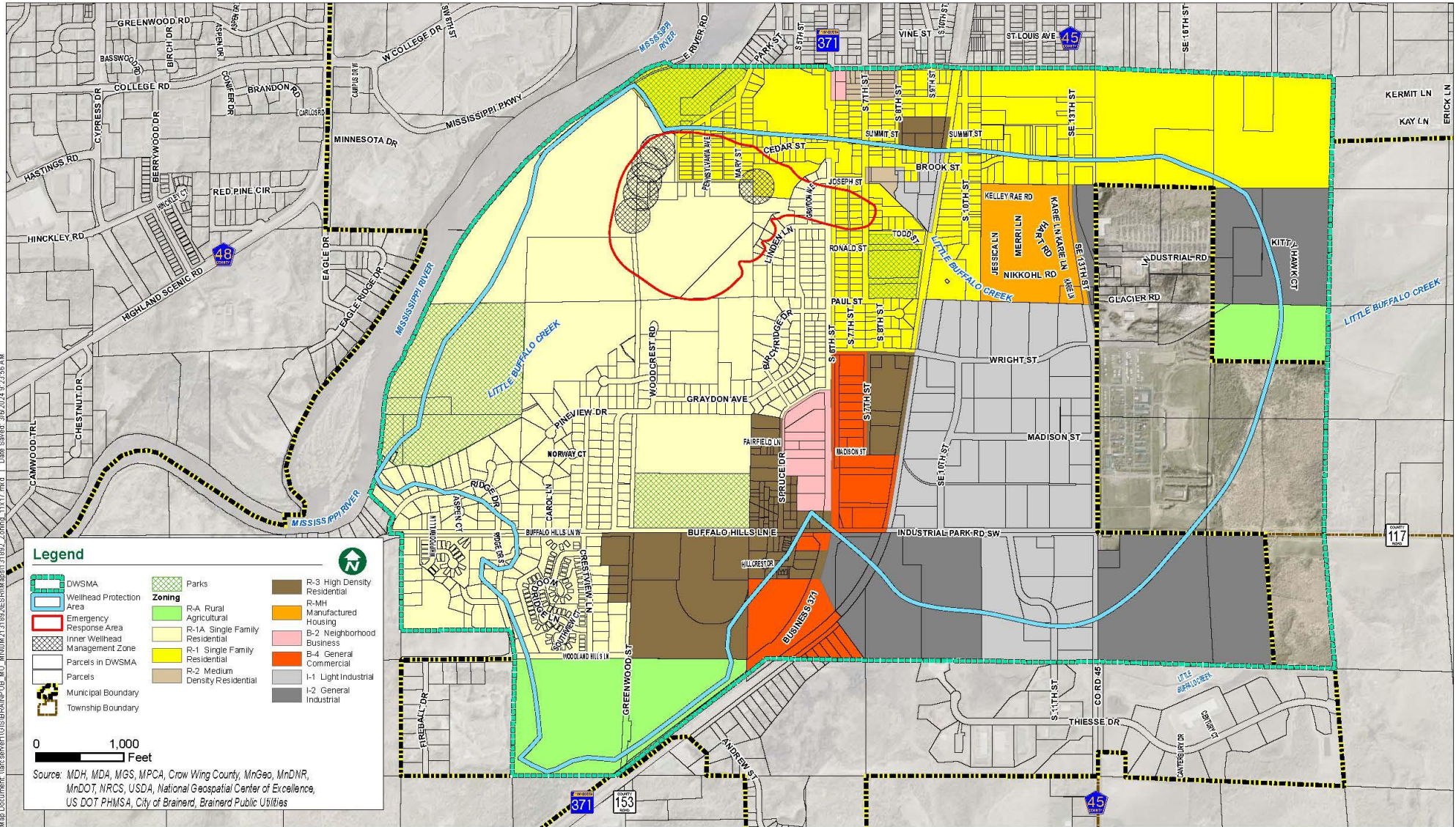




Figure 7: Zoning within the DWSMA



3. Potential Contaminant Source Inventory

Existing land uses, and potential sources of contamination located within the DWSMA were reviewed by the WHP Team. The Potential Contaminant Source Inventory (PCSI), utilizing State databases combined with local knowledge, ground verification, email and phone conversations were used to identify most of the contaminant sources.

Table 6 and **Figure 8A** through **8D** show the location of identified Potential Contaminant Sources. A listing of parcels identified as having potential contaminant sources is shown in **Appendix C**.

The DWSMA is characterized by three vulnerabilities as shown in **Figures 1A-1C**. These areas equate to 559 acres in SWCA High Vulnerability, 978 acres in GWCA Moderate Vulnerability, and 306 acres in GWCA High Vulnerability.

The city utilizes six (6) public water supply wells. According to the Part 1 WHPP recommendations, well locating and water quality monitoring will help with future delineations and vulnerability assessments. These results suggest a connection between the wells and land use activities. Additionally, planning for future replacement wells should be considered as some of the city's wells are more than 70 years old.

There are 86 total PCSI across the collection and vulnerability areas. This includes 11 known active domestic wells and 25 unknown wells located within the DWSMA. The city will work with MDH and verify the unknown wells during annual PCSI reviews. The city will explore ways to determine if other wells exist and opportunities to seal any unknown/unused wells identified within the DWSMA. Additionally, the city will request property owners inform the city should a well be installed within two miles of the DWSMA. This will help MDH identify updates to the DWSMA boundary following future assessments.

There are 7 potential contaminant sites and 5 hazardous waste sites. In some situations, these may pose a risk to underground sources of drinking water.

Class V injection wells are typically shallow disposal systems that are used to place a variety of fluids below the land surface. Examples of Class V injection wells include motor vehicle waste disposal wells, large capacity cesspools, stormwater drainage wells, aquifer remediation wells and large capacity septic systems. Class V wells are a concern because, in some situations, they may pose a risk to underground sources of drinking water. There are no known Class V wells located within the DWSMA. Management of Class V injection wells will be addressed in the management strategies of this plan.

While not specifically listed as a potential contaminant site, the city will work with MDH, Crow Wing County, and local emergency response agencies to identify and update emergency response measures should a spill occur along roadway corridors.

The city will coordinate and develop education strategies to address stormwater best

management practices for properties within the high vulnerability portion of the DWSMA. Cost-share incentive programs are available through MDH implementation and competitive grants.

Table 6 outlines the PCSI types and codes within the different collection and vulnerability areas. **Figures 8A to 8D** identify locations of PCSI within the DWSMA. These figures include the PCS overview (8A) and are then divided out to identify Wells (8B), Tanks (8C), and Other (8D) more easily.

Table 6: Potential Contaminant Sources and Assigned Risk

Potential Contaminant Source Type		Total	SWCA High Vulnerability: Status and Level of Risk A=Active, I=Inactive, U=Unknown, C=Closed, R=Removed L=Level of Risk: H=High, M=Medium, L=Low						GWCA Moderate Vulnerability: Status and Level of Risk A=Active, I=Inactive, U=Unknown, C=Closed, R=Removed L=Level of Risk: H=High, M=Medium, L=Low						GWCA High Vulnerability: Status and Level of Risk A=Active, I=Inactive, U=Unknown, C=Closed, R=Removed L=Level of Risk: H=High, M=Medium, L=Low					
PCS Codes	PCS Material	5	A	I	U	C	R	L	A	I	U	C	R	L	A	I	U	C	R	L
HWG	Hazardous Waste	5	2					L							2	1				L
PCS	Potential Contaminant Site	7		1				L	1			1		L	1			3		L
SWB	Stormwater Basin	3	2					L							1					L
SWMS	Solid Waste Management Site	4													4					M
WWDS	Wastewater Disposal Site	1													1					L
AST	Aboveground Storage Tanks	1							1					L						
UST	Underground Storage Tank	23							4				13	M	1	4			1	M
WEL	Public Water Supply Wells	6													6					L
	Domestic Wells	11	1					L	9					L	1					L
	Unknown Wells	25			1			L			24			M						
	Class V Wells	0																		
Totals		86	5	1	1	0	0	0	15	0	24	1	13	0	17	5	0	3	1	0

For all PCS within both the GWCA and SWCA, these are tracked in the GWCA High Vulnerability section within this table so as not to duplicate numbers.



Figure 8A: Potential Contaminant Sources within the DWSMA

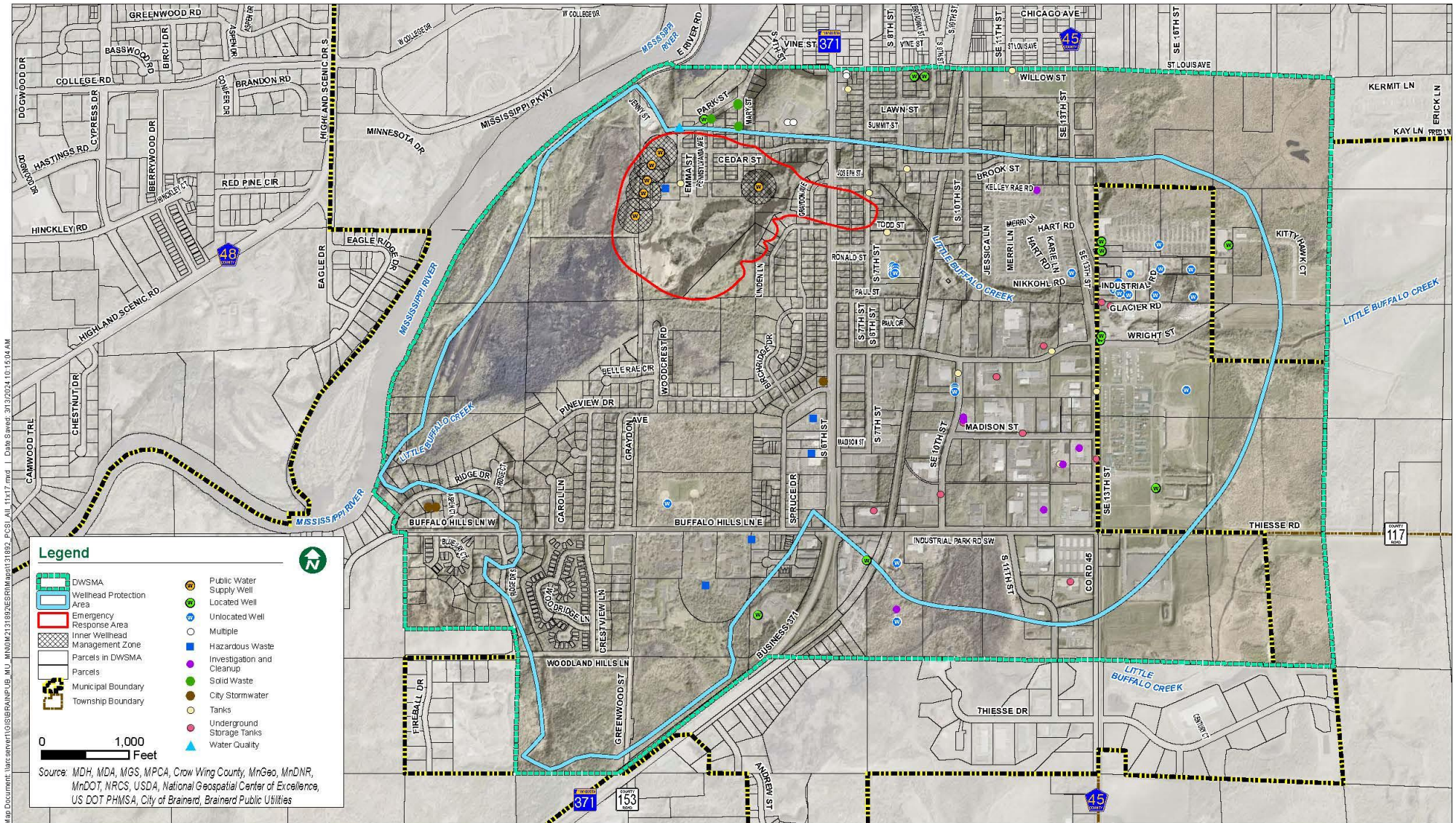




Figure 8B: Potential Contaminant Sources - Wells

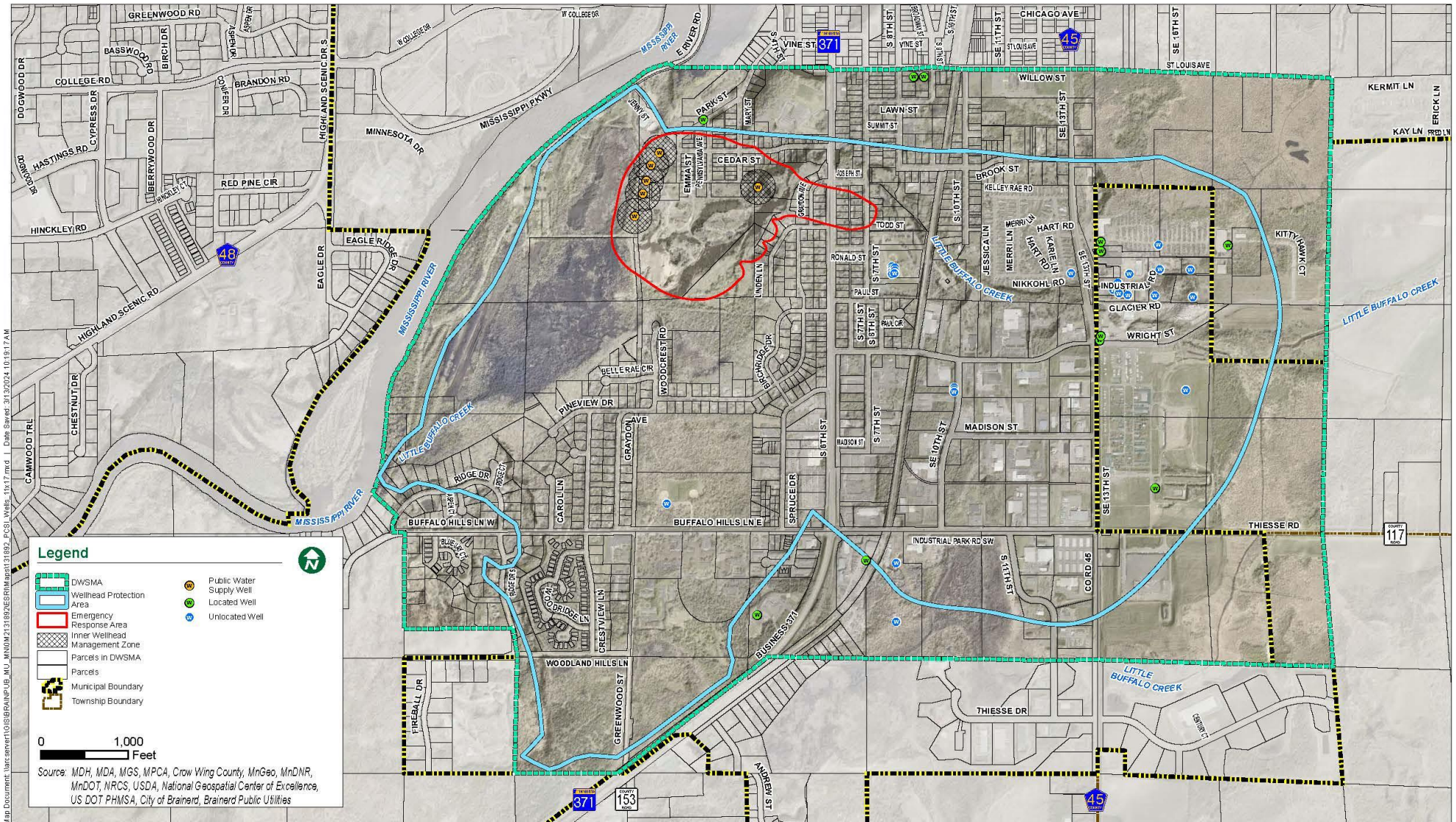




Figure 8C: Potential Contaminant Sources – Tanks

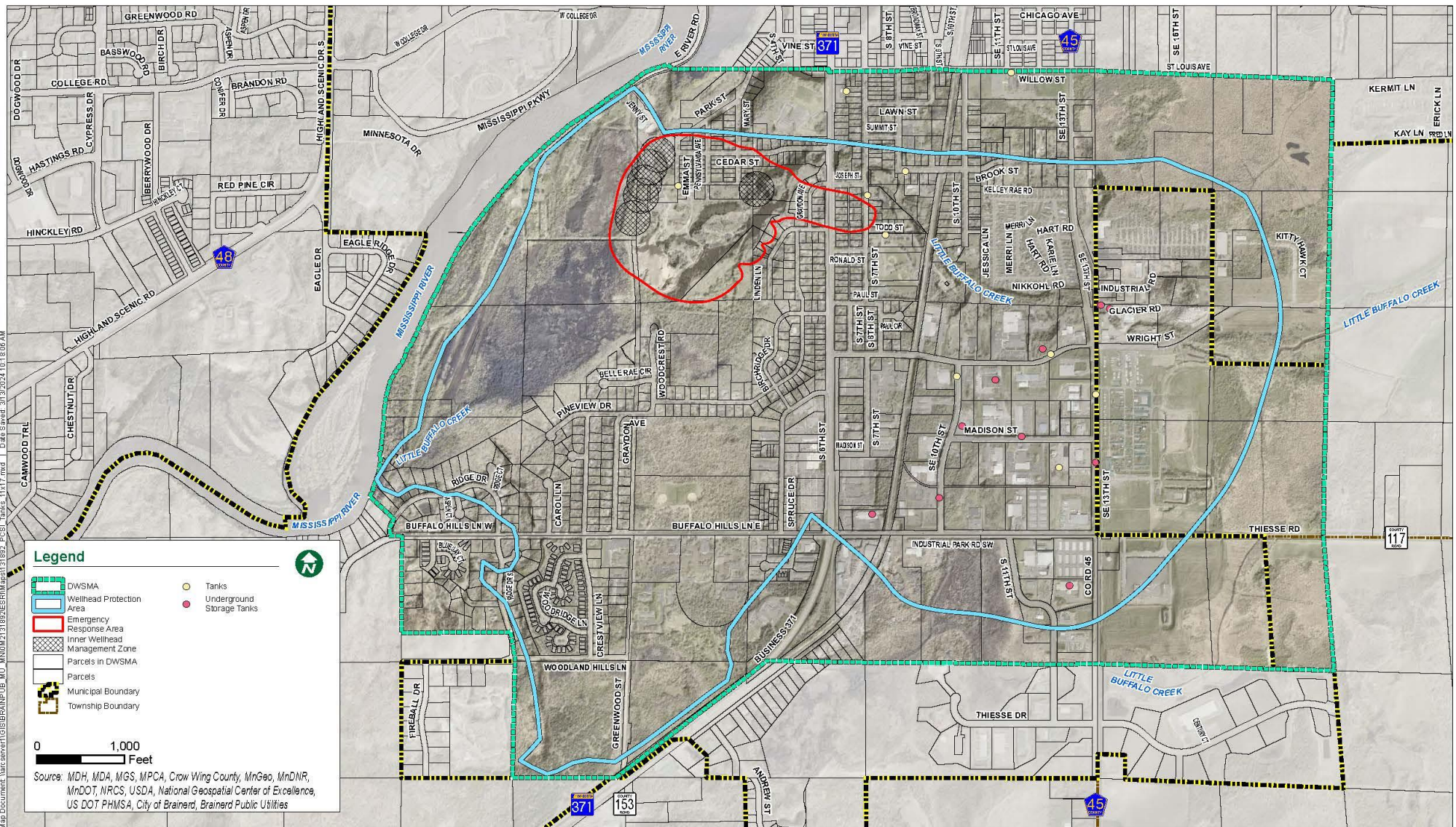
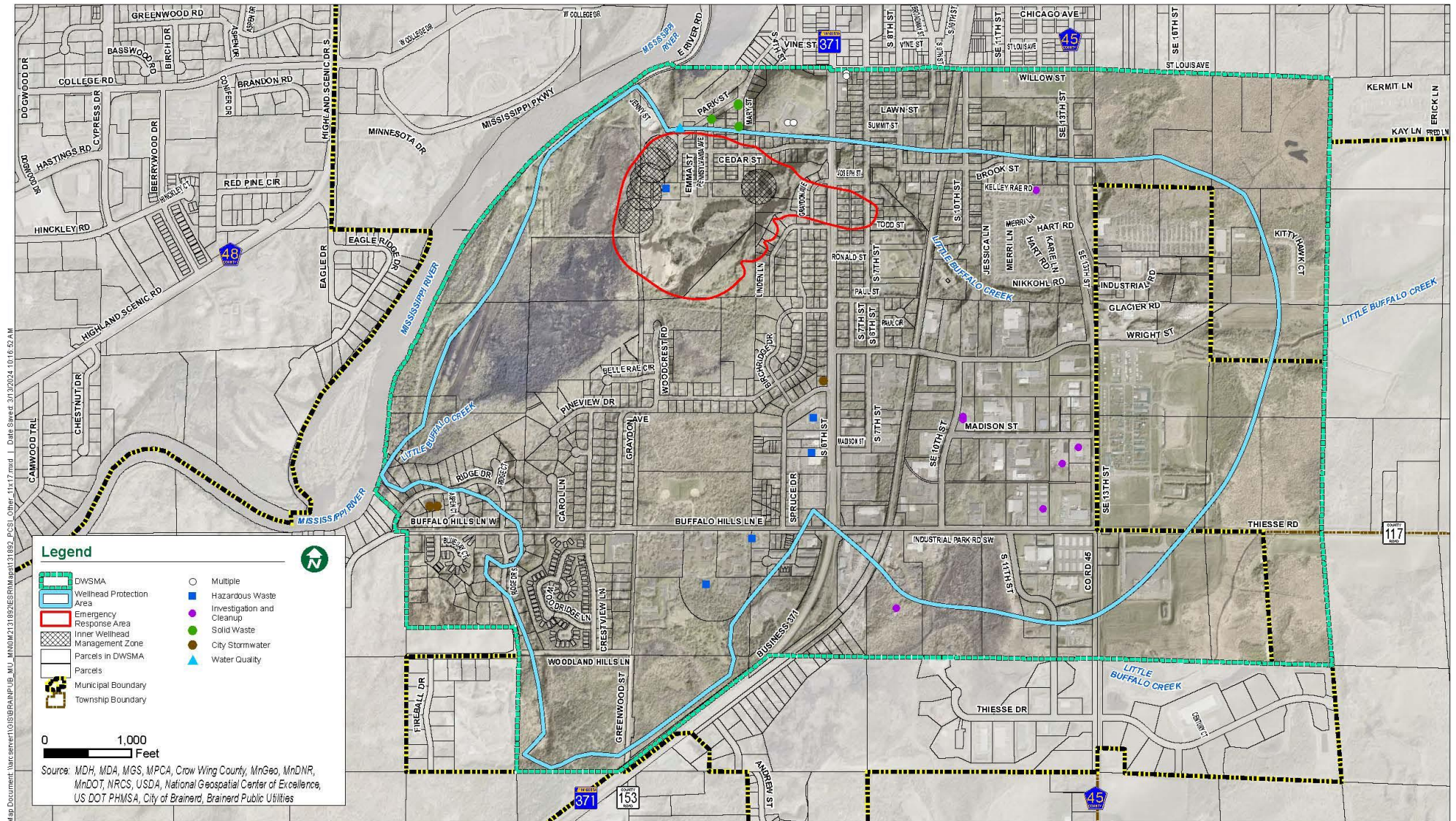




Figure 8D: Potential Contaminant Sources – Other



4. Inner Wellhead Management Zone (IWMZ)

Existing land uses, management and local land use controls within the Inner Well Management Zone (IWMZ or 200' radius around the public water supply wells) and the immediate one-year time of travel area as shown in **Table 7** and was reviewed and considered by the WHP team during the development of this plan. This is done to identify land use issues and related potential contaminants which may have the most immediate impact upon the public water supply wells.

Table 7: Potential Contamination Sources and Assigned Risk for the IWMZ

Source Type	Well 3	Well 4	Well 5	Well 6	Well 7	Well 8	Risk
SD1 – Storm water drainpipe, 8 inches or greater in diameter	Y 125'						L
GP1 – Gravel pocket or French drain for clear water drainage only	Y 170'	Y 164' 90'	Y 164' 102'	Y 179' 100'	Y 65'		L
WEL – Operating well	Y 172'	Y 172' 86'	Y 154'	Y 154' 186'			L
WT2 – Water treatment backwash disposal area	Y 185'	Y 149'			Y 75'		L

A copy of the IWMZ forms and measures that have been identified are included in **Appendix D** of this plan. The WHP team discussed the importance of on-going monitoring for land use changes and potential contaminants near the public water supply wells and awareness of State Well Code isolation distances and need to maintain these setback requirements.

5. Public Utility Services

Stormwater runoff and sanitary sewers can function as pathways for contaminants as well as be sources of contamination. **Figure 9** shows the storm sewer system, **Figure 10** shows the water distribution system, and **Figure 11** shows the sanitary sewer system.

Ground transportation corridors provide a potential source of contamination due to accidental spills and discharges. Significant transportation corridors within the DWSMA include State Highway 371 and CSAH 14, with both corridors traveling north-south within the DWSMA (**Figure 2**). Water from these corridors flows overland and infiltrates into the soil. The Minnesota Department of Transportation (MNDOT) has developed a protocol to address spills within the right of way, including notification of the state duty

officer who assigns clean up. The City of Brainerd Water Emergency Response Plan, found in **Appendix F**, details procedures if there is a threat or contamination to the water system.

There are no known pipelines within the DWSMA.

The construction and water quality obtained from each well that is used by the Public Water Supplier is included in the assessment of well vulnerability. The vulnerability of the city wells is designated as a result of the following conditions:

1. Well construction details, especially conformance with standards required by the state well code,
2. Geologic sensitivity of the aquifer, and
3. Previous monitoring results.

Except for Well #8 (403973), it is unknown whether the older wells meet current construction standards because grouting information is not known. The glacial aquifer is considered to have a high to very high geologic sensitivity due to the lack of any kind of protective geologic materials, such as clay-rich till, between the land surface and the sand and gravel aquifer.

All wells are considered vulnerable to contamination due to tritium being detected in the well water (See Park I Results). Detectable tritium indicates the presence of young (post-1953) water. This is reinforced by the chloride concentrations and chloride/bromide ratios presented below. Elevated concentrations or concentration ratios indicate human-impacted water quality from activities at the land surface, such as road salt or wastewater.



Storm Sewer System

March 2024

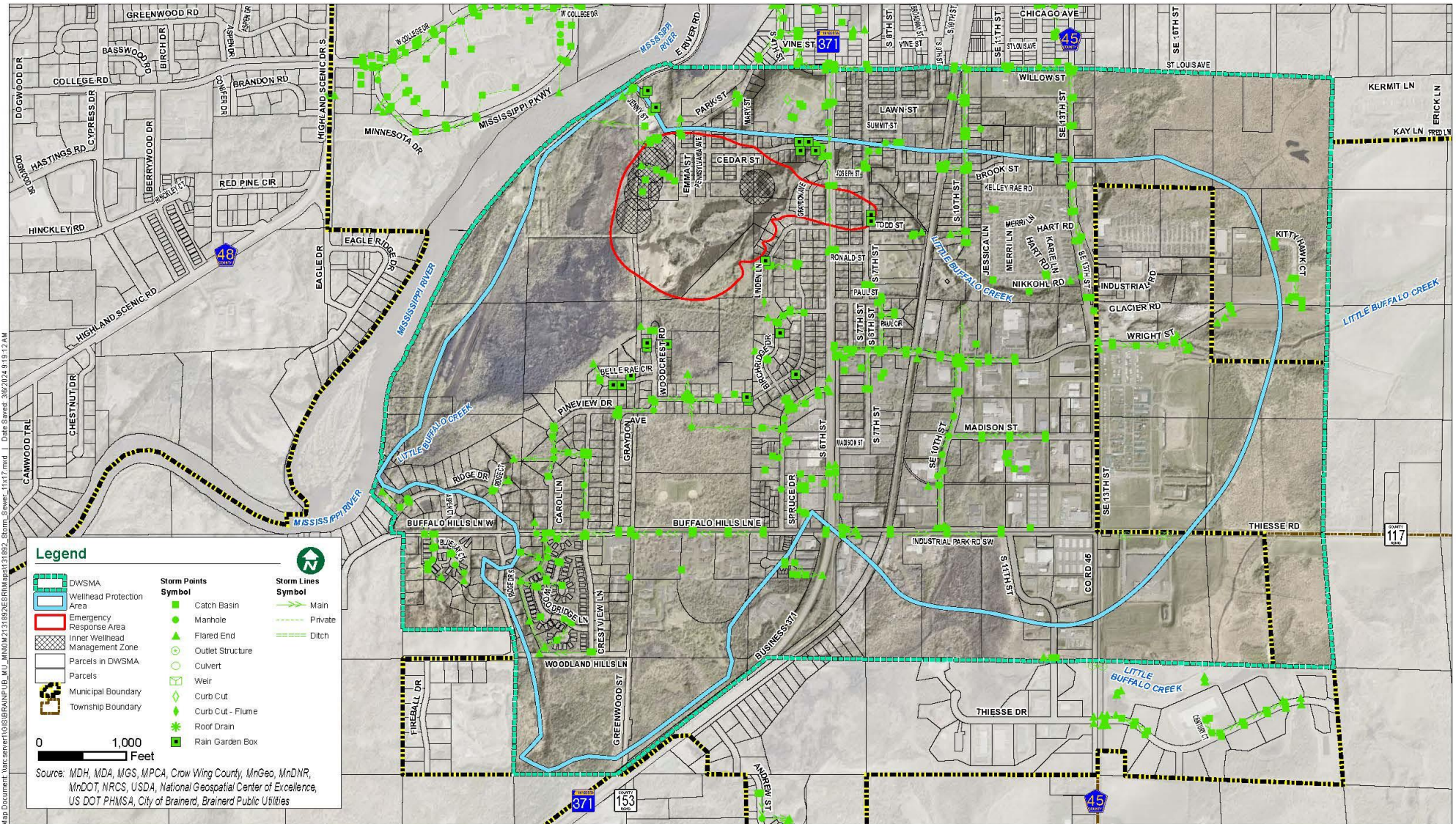
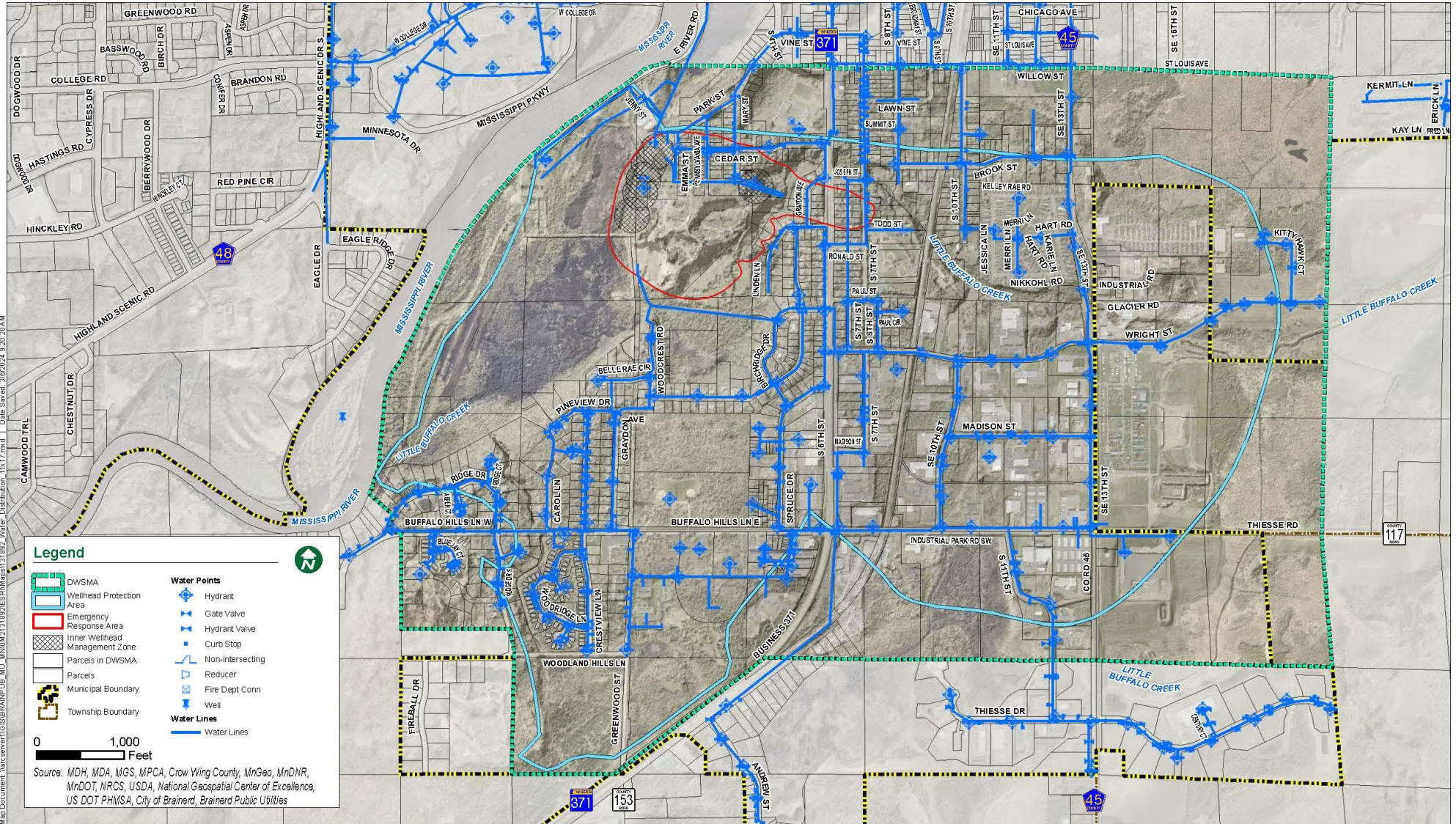




Figure 10: Water Distribution System



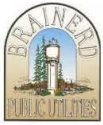
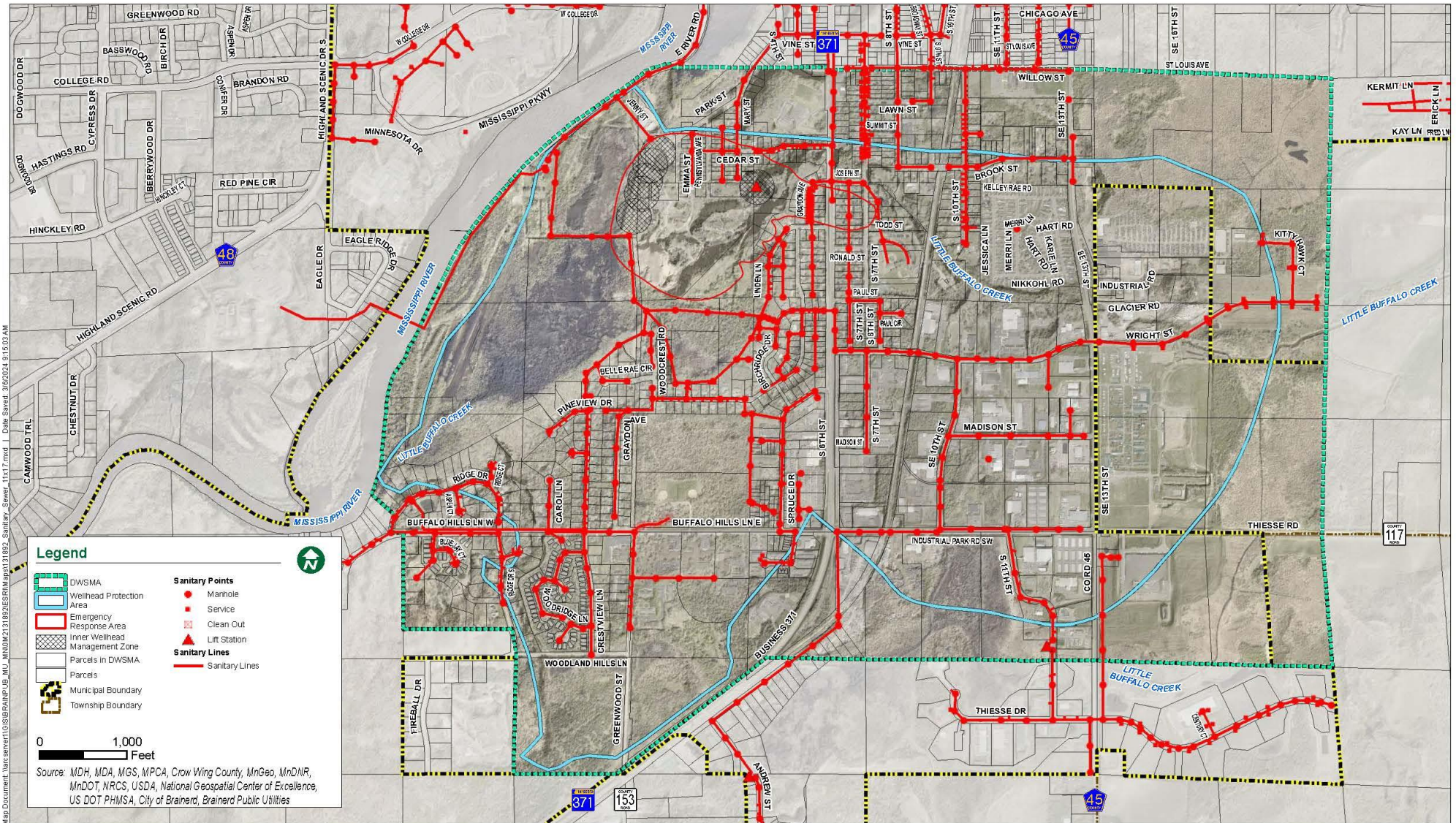


Figure 11: Sanitary Sewer System



C. Water Quantity Data Elements

1. Surface Water Quantity

Two creeks, Little Buffalo Creek and Buffalo Creek, drain west toward the river from the higher topographic areas. Little Buffalo Creek flows through the DWSMA, draining to the wetland immediately south of the wellfield and discharging to the Mississippi River. Buffalo Creek is located south of the DWSMA and discharges to the Mississippi River a little more than a mile downstream from Little Buffalo Creek. The closest USGS station (USGS 05242300) is located on the Mississippi River, north of the DWSMA, but within the City of Brainerd.

NWI wetlands are within the DWSMA. According to MnDNR's LakeFinder web mapper, Boom Lake—located in the northwestern portion of the DWSMA—is the only lake within the DWSMA.

The City does not withdraw any water from any lakes or streams and there are no known state-protected levels or flows for any nearby water bodies.

There are no known surface water use conflicts to the water supply within the DWSMA.

There are no expected changes in surface water quantity.

2. Groundwater Quantity

Table 8 is a list of the public water supply wells covered by state appropriation permits, including amounts of water appropriated, and aquifer source. There are no known well interference problems or water use conflicts. No state environmental bore holes exist within the DWSMA. The total average withdrawal per year is 739.1 million gallons per year (MGY) and the city's appropriations permit allows for up to 900 MGY.

Table 8: List of Wells

Well ID	Unique #	Use	Aquifer	2018-2022 Average Withdrawal (MGY) ²
#3	232347	Primary	QWTA	92.7
#4	232348	Primary	QWTA	102.9
#5	232349	Primary	QWTA	105.9
#6	232350	Primary	QWTA	111.0
#7	232352	Primary	QWTA	213.4
#8	403973	Primary	QWTA	113.4
TOTAL AVERAGE PER YEAR				739.1

² Data gathered from the city's MPARS reports 2018 through 2022.

Besides the wells used by the public water supplier, there are no active high-capacity wells in the DWSMA that may account for PWS wells' pumping impacts on their capture areas.

3.Surface Water Quality

Figure 5 shows the water resources in the vicinity of the DWSMA. As stated above, Little Buffalo Creek flows through the DWSMA, draining to the wetland immediately south of the wellfield and discharging to the Mississippi River. Little Buffalo Creek is currently listed as impaired, although MDH modeling did not assess a strong connection between this and the public water supply.

NWI wetlands are within the DWSMA. The wetlands located near the city wells do seem to have an indirect connection to the public water supply, however, there is not any current water quality data for these wetlands.

According to MnDNR's LakeFinder web mapper, Boom Lake—located in the northwestern portion of the DWSMA—is the only lake within the DWSMA and there is no indication of a strong connection between this resource and the public water supply.

No changes in surface water quality are anticipated.

4.Groundwater Quality

Brainerd Public Utilities distributes a Drinking Water Report to its citizens on an annual basis which includes water quality data for the city's drinking water. These reports can be found on the city's website: <https://bpu.org/drinking-water-reports/>.

The glacial aquifer is considered to have a high to very high geologic sensitivity due to the lack of any kind of protective geologic materials, such as clay-rich till, between the land surface and the sand and gravel aquifer.

The vulnerability of the city's water supply wells has been assessed based on 1) well construction details, especially conformance with standards required by the state well code, 2) the geologic sensitivity of the aquifer, and 3) past monitoring results.

II. ASSESSMENT OF DATA ELEMENTS

A. Use of the Wells

The City of Brainerd utilizes six wells, varying in depth from 123 feet to 187 feet. An annual average of 739.1 MGY is pumped from these wells. Usage, as shown in **Table 9**, has varied between a low of 619.6 MGY in 2018 and a high of 1,099.2 MGY in 2021. The city has an annual appropriations allowance of 900 MGY.

Table 9: Annual Well Pumping Amounts (million gallons per year)

PWS Well	2018	2019	2020	2021	2022
Well #3	81.3	86.2	78.1	135.5	82.2
Well #4	87.5	84.1	73.1	156.4	113.3

PWS Well	2018	2019	2020	2021	2022
Well #5	89.4	98.9	98.5	152.0	90.8
Well #6	98.9	84.0	92.7	143.6	135.6
Well #7	174.4	176.0	196.1	334.5	185.8
Well #8	88.1	94.7	103.8	177.2	103.0
Totals	619.6	623.8	642.4	1,099.2	710.7

B. Wellhead Protection Area Delineation Criteria

The following data inputs were used in determination of the boundaries of the wellhead protection area (WHPA): flow boundaries, daily volume of water pumped, groundwater flow field, aquifer hydraulic conductivity, and time of travel.

A detailed discussion of the WHPA delineation is found in Part 1 of this WHPP. Part 1 of this WHPP is included in **Appendix A** of this plan.

Should volume of water pumped increase due to continued demand increase or installation of a new city water supply well, this could cause a change to the WHPA delineation.

C. Quality and Quantity of Water Supplying the Public Water Supply Well

The City of Brainerd's wells pumped an average of 739.1 million gallons per year between 2018 and 2022. A detailed discussion of the water quantity and quality supplying the public water supply wells is found in Part 1 of this WHPP.

At present, none of the contaminants for which the Safe Drinking Water Act has established health-based standards are found above maximum allowable levels in the utility's water supply, nor are any present at one-half of those levels. Naturally occurring arsenic has been detected at low levels in several wells, however, arsenic has not been detected in finished water that enters the distribution system.

There are no indications of significant water use conflict between the city's water supply and water usage. Should interference be a future concern, the city will coordinate with MDH to identify a new public water supply well assessment and proposed location.

Detectable tritium indicates the presence of young (post-1953) water. This is reinforced by the chloride concentrations and chloride/bromide ratios presented below. Elevated concentrations or concentration ratios indicate human-impacted water quality from activities at the land surface such as road salt or wastewater.

As a result of the detections of these contaminants and indicators of rapid recharge, the City's public water supply wells are considered vulnerable. Additionally, other than Well #8 (403973), it is unknown whether the older wells meet current construction standards because grouting information is not known.

Water quality is not anticipated to be a factor in future city water use.

D. Land and Groundwater Uses in the DWSMA

The land use in the DWSMA is primarily developed with some wetland and tree cover areas. The developed portions of the DWSMA may contribute to potential contamination of the city's public water supply through unused/unknown wells, previous contaminant sites, and the transportation corridors through the DWSMA.

Continued monitoring and well testing will identify the interaction between and the potential of surface contaminants reaching groundwater resources.

CHAPTER 2: IMPACT OF CHANGES ON PUBLIC WATER SUPPLY WELL

Minnesota Rules 4720.5220

As outlined in **Table 10**, the City estimates the following changes to the physical environment, land use, surface water, and groundwater may occur over the ten-year period that the WHPP is in effect. This information will help determine whether new potential sources of contamination may be introduced in the future and to identify future actions for addressing these anticipated sources. Land and water use changes may introduce new contamination sources or result in changes to groundwater use and quality. The land use changes may occur within the jurisdictional authority of the city although some may not. The following information describes anticipated or potential changes in relationship to their 1) Impact on the Source Water Aquifer, 2) Influence of Existing Programs and Regulations, and the 3) Administrative, Technical, and Financial Considerations.

Table 10: Expected Changes and Impacts within the DWSMA

Expected Change Area	Impact on Source Water Aquifer	Influence of Existing Government Programs and Regulations	Administrative, Technical, and Financial Considerations
Physical Environment Potential development projects are the only anticipated changes to the DWSMA's physical environment. These may include commercial, industrial, and residential development opportunities.	Potential contaminant source introductions in highly vulnerable GWCA and SWCA.	MNDOT engineers could incorporate stormwater best management practices to protect water quality and quantity during runoff events. Secondary containment could be constructed within the existing stormwater conveyance system, especially at the Little Buffalo Creek crossing.	City staff will maintain proactive communication and coordination with MNDOT and MDH staff during roadway development projects. Financial considerations will be identified and incorporated during the planning and pre-design phase prior to construction.
Land Use Potential development projects may increase impervious surfaces within the DWSMA.	An increase in water usage may occur depending on the industry or business development activities.	Land use and zoning controls could apply the performance standards necessary on any proposed industrial park and other permit holders within the DWSMA.	City and county planning and zoning officials will monitor and assess development project proposals. MDH planner and hydrogeologist may be available for reviews

Expected Change Area	Impact on Source Water Aquifer	Influence of Existing Government Programs and Regulations	Administrative, Technical, and Financial Considerations
			and technical assistance.
Surface Water MS4 stormwater plan implemented by the city may include additional industrial park plan development.	If there is higher quality surface water infiltrating the aquifer, this may have a positive impact towards wellhead protection. TMDL implementation projects should help facilitate these efforts.	The city's Stormwater plan and other TMDL implementation projects (watershed district, MPCA, etc.) would support improved water quality within the DWSMA.	Potential for cost-match or administrative approvals for water quality implementation projects within city limits.
Ground Water No additional high-capacity water users are expected within the ten year implementation period. The city may explore the need for a new public water supply well to replace aging infrastructure.	A new public water supply well may increase groundwater usage as the city grows and/or expands its service area.	MNDNR's water appropriation program should support groundwater use and conservation practices. BPU will work cooperatively with MDH to site any future wells, conduct preliminary sampling, and other associated activities.	WHP team will assist and guide the implementation plan. MDH can provide funds and technical assistance for a new public water supply well.

CHAPTER 3: ISSUES, PROBLEMS AND OPPORTUNITIES

Minnesota Rules 4720.5230

I. LAND USE ISSUES, PROBLEMS AND OPPORTUNITIES RELATED TO:

A. The Aquifer

The aquifers used as public water supply sources are vulnerable to groundwater contamination from land use activities, including storage tanks and abandoned wells. Based on this data, the WHPP identifies the need to manage land use practices and surface water contaminants throughout the DWSMA. Little Buffalo Creek is assumed to have minimal influence on the aquifer either by direct recharge or by surface runoff to downstream areas.

B. Well Water

Based on the Part 1 Well Vulnerability Assessment, the city's water supply wells were determined to be vulnerable to contamination from activities at the land surface. These potential contaminant sources, if used or maintained improperly, could convey pollutants to the aquifer. The WHP Team plans to use public education opportunities, both existing and proposed, to address potential contamination of the aquifer. The WHP Team also plans to continue identification of existing and potential contaminant sources in the future.

C. Drinking Water Supply Management Area

The new DWSMA is about 30 percent smaller than the previous delineation. This is primarily due to changes in the 10-year capture zone boundaries and the elimination of the SWCA for Little Buffalo Creek. Land use in the DWSMA has had some amount of residential and industrial development, and the City tries to connect as many new properties as possible to the water and wastewater utility system. There have been no significant changes in the City's highly vulnerable area, although additional development is anticipated in the next few years. The City's PCSI includes all identified contaminant sources as indicated in the MDH potential contaminant requirements by DWSMA vulnerability and capture area. The PCSI is included in **Table 6** and **Appendix C**.

II. IDENTIFICATION OF:

A. Problems and Opportunities

The WHP team has identified water- and land-use issues, problems and opportunities related to 1) the aquifer used by the city water supply wells, 2) the quality of the well water, or 3) land- or water-use within the DWSMA. The team assessed 1) input from public meetings and written comments that it received, 2) the data elements identified by the MDH during the scoping meetings, and 3) the status and adequacy of the city's official controls and plans on land use and water uses as well as those of local, state, and federal government programs. The results of this effort are presented in **Table 11** which defines the

nature and magnitude of contaminant source management issues in the city's DWSMA. Identifying the issues, problems, and opportunities, as well as resource needs, enables the city to: 1) take advantage of opportunities that may be available to make effective use of existing resources, 2) set meaningful priorities for source management and 3) solicit support for implementing specific source management strategies.

B. Comments Received

The city provided several occasions for local governments, state agencies and the general public to identify issues and comment on the city's WHPP. At the beginning of the planning process, local units of government were notified that the city was going to develop its WHPP and were given the opportunity to identify issues as well as to comment. A public hearing was held on **July 15, 2024**, to review the results of the delineation of the WHPA, DWSMA, and the vulnerability assessments, and the meetings of the WHP team were open to the public. **Table 11** summarizes the issues identified during meetings and comment periods.

Table 11: Issues, Problems, and Opportunities

Issues Identified	Impacted Feature	Problem Associated with the Identified Issue	Opportunity Associated with the Identified Issue	Adequacy of Existing Controls to Address the Issues
There are unlocated-unsealed wells within the DWSMA.	• Aquifer • Well Water Quality • DWSMA	Unused/unsealed wells present a threat to the aquifer based upon their depth, construction, and state of repair.	The city will pursue MDH grant funding to properly locate and seal unused-unsealed wells within the DWSMA. This may expand to financial partnerships with property owners.	The city does not have authority to require unused wells be properly sealed. MDH has authority to require well sealing.
Location and reporting of unlocated and/or new wells within two miles of the DWSMA.	• Aquifer • Well Water Quality • DWSMA	The city and MDH have limited visibility and information regarding wells accessing the same aquifer as the PWS.	The city can work with MRWA and MDH to verify unknown and new well locations. The city will update the well inventory on a 5-year cycle.	The city does not have authority over wells drilled within these areas but will make reporting requests. The city will continue to improve the inventory.
A portion of land within the DWSMA is outside the city limits.	• Aquifer • Well Water Quality • DWSMA	Proposed land use changes may occur that could impact the city's PWS.	The city can partner with the county to improve necessary administrative controls.	The county has zoning and conditional use permit requirements to provide adequate controls on these areas.

Issues Identified	Impacted Feature	Problem Associated with the Identified Issue	Opportunity Associated with the Identified Issue	Adequacy of Existing Controls to Address the Issues
High-Capacity Wells	• Aquifer • Well Water Quality • DWSMA	High-capacity wells have the potential to impact the existing WHPA and may cause a shortage of water for the city. The city recognizes increased regulations may ensure continued water capacity to meet demand.	City staff will coordinate with MDH and MNDNR to identify proposed high-capacity wells in the WHPA and annotate any major changes to groundwater appropriations for the existing high-capacity wells. Coordination with the high-capacity well owner will help identify impacts and controls or solutions.	MDH Well Management staff and MNDNR Water Appropriations Program staff have authority over high-capacity wells.
Transportation Corridors	• Aquifer • Well Water Quality • DWSMA	There are numerous roadways that travel through the DWSMA.	The city will coordinate with Crow Wing County, and MNDOT to update emergency response procedures for potential spills due to accidents or incidents.	The City will enhance its efforts to ensure collaborative emergency response options to prevent and/or respond to accidents or incidents within the DWSMA.
MPCA Permit Sites	• Aquifer • Well Water Quality • DWSMA	Activities and materials at sites with both active and non-active MPCA permits, especially those concerning hazardous waste and tanks, have the potential to cause groundwater contamination.	The city will coordinate with MPCA to identify these permit locations and ensure that appropriate spill response plans are in place.	The city currently has a contingency strategy and emergency response plan to address hazardous materials spills and other contamination concerns. The State of Minnesota has adequate regulations to address spill and leak concerns.

Issues Identified	Impacted Feature	Problem Associated with the Identified Issue	Opportunity Associated with the Identified Issue	Adequacy of Existing Controls to Address the Issues
Nonpoint Source Pollution (Sediment transport, Fertilizers/ Chemicals, Salt, Stormwater, etc.)	• Aquifer • Well Water Quality • DWSMA	Construction activities have the potential to cause increased sediment movement and potential groundwater contamination, especially in high vulnerability areas. Fertilizer applications at city facilities and on residential areas and businesses may impact PWS wells. Stormwater has the potential to carry contaminants when it infiltrates into the WHPA.	The city will encourage improved best management practices and seek to minimize infiltration within the WHPA. The city will work with city departments, businesses and residents to reduce use of fertilizers and chemicals. Additional BMPs will also include locations of fertilizer and chemical storage facilities. By regulating land use, the city hopes to reduce the contaminants with which stormwater may come into contact.	Road runoff is contained on streets with curb, gutters and storm sewer. Runoff is not contained on other streets without those. The city will improve the roads as road conditions warrant and as funding allows. BMPs will be encouraged and communicated with throughout the community. The city has planning and zoning authority over land use within its city limits. The city has a stormwater ordinance.
Physical and Cyber Security	• Aquifer • Well Water Quality	Minimal physical and cyber security measures for the existing public water supply wells and system could lead to tampering or other issues.	The City could update and improve its physical and cyber security measures to further protect the public water supply system.	The City has control over its existing wells and may apply for grant funding to update its physical and cyber security measures.
Municipal Sanitary Sewer Lines	• Aquifer • Well Water Quality • DWSMA	Sanitary sewer leaks and spills have the potential to contaminate the PWS system, especially in high-vulnerability areas.	The City performs continuous evaluation and monitoring of the sanitary sewer and update portions of the system as needed following this evaluation.	The City has a routine sanitary sewer maintenance program in place. Any future identified areas of concern will be addressed. The City has an emergency fund in place for sewer repairs.

Issues Identified	Impacted Feature	Problem Associated with the Identified Issue	Opportunity Associated with the Identified Issue	Adequacy of Existing Controls to Address the Issues
Aging Infrastructure	• Aquifer • Well Water Quality • DWSMA	The city's aging infrastructure could lead to failures within the system potentially introducing additional contaminants.	The city continuously evaluates its infrastructure system and can apply for state and/or federal grant dollars to make updates.	The city can access funding through MDH, MPCA, USDA, and other federal agencies to plan, design, and implement system updates and improvements.
Grant opportunities through MDH or other Clean Water Legacy funding	• Aquifer • Well Water Quality • DWSMA	The city will need funding to achieve many objectives identified in this WHPP.	The likelihood that the city will receive funding for an objective is increased by having an updated WHPP.	Opportunities for funding are always welcome. The city will continue to search for funding opportunities to achieve the objectives listed in this WHPP.
County programs or rules that could be potential partners	• Aquifer • Well Water Quality • DWSMA	The city will need cooperation from other agencies to achieve many objectives in this WHPP.	The likelihood that the city will receive cooperation for an objective is increased by having an updated WHPP and communicating needs to the partner agencies.	Technical and financial assistance from partner agencies are always welcome. The city will approach the identified partners for the objectives listed in this WHPP.
Public Outreach	• Aquifer • Well Water Quality • DWSMA	The city website and social media contains minimal information for water conservation efforts and wellhead protection education.	The city can apply for funding to create or update the website and social media platforms regarding water conservation and quality, frequently-asked-questions, and wellhead protection materials to the public-facing community.	The city maintains control over its website and social media account information.

CHAPTER 4: WELLHEAD PROTECTION GOALS

Minnesota Rules 4720.5240

Goals define the overall purpose for the WHP plan, as well as the end points for implementing objectives and their corresponding actions. The WHP team identified the following goals after considering the impacts that 1) changing land and water uses have presented to drinking water quality over time and 2) future changes that need to be addressed to protect the community's drinking water:

- Maintain a safe and adequate drinking water supply for community residents.
- Prevent contaminants from reaching levels that present a risk to people's health.
- Create public awareness and general knowledge about the importance of WHP for maintaining an adequate and safe drinking water supply.
- Continue collecting data and confirming its accuracy to improve future DWSMA delineations, WHP planning, and PCSI reviews.

The overall goal of the City of Brainerd's Wellhead Protection Plan is to promote public health, economic development and community infrastructure by maintaining a potable drinking water supply for all residents of the community, both now and into the future.

CHAPTER 5: OBJECTIVES AND PLANS OF ACTION

Minnesota Rules 4720.5252

Objectives provide the focus for ensuring that the goals of the WHP plan are met and that priority is given to specific actions that support multiple outcomes of plan implementation.

Both the objectives and the wellhead protection measures that support them are based on assessing 1) the data elements, 2) the potential contaminant source inventory, 3) the impacts that changes in land and water use present, and 4) issues, problems, and opportunities referenced to administrative, financial, and technical considerations.

I. OBJECTIVES

The following objectives have been identified to support the goals of the WHP plan for the City of Brainerd:

1. Collect and assess additional data to substantiate information contained within this WHPP, and to provide more detail for future plan amendments.
2. Prevent and manage potential contaminants from impacting the city's drinking water supply.
3. Develop and update administrative controls and guidelines to reduce potential contaminants from entering the city's public water supply system.
4. Improve education and outreach opportunities to increase public awareness about the importance of an adequate, efficient and safe drinking water supply.
5. Maintain communications with the MDH and other agencies able to assist with implementation of this plan.
6. Conduct regular evaluations of the WHPP implementation and effectiveness.

II. WHP MEASURES AND ACTION PLAN

Based upon this information, the WHP team has identified WHP measures that will be implemented by the city over the 10-year period that this WHPP is in effect. The objective that each measure supports is noted as well as 1) the lead party and any cooperators, 2) the anticipated costs for implementing the measure and 3) the year or years in which it will be implemented.

The following categories are used to further clarify the focus that each WHP measure provides, in addition to helping organize the measures listed in the action plan:

- Data Collection, Monitoring and Assessment
- Potential Contaminant Source Management
- Administrative Controls and Guidelines
- Public Education and Outreach
- WHP Coordination, Reporting and Evaluation

III. ESTABLISHING PRIORITIES

WHP measures reflect the administrative, financial, and technical requirements needed to address the risk to water quality or quantity presented by each type of potential contamination source. Not all these measures can be implemented at the same time, so the WHP team assigned a priority to each. A number of factors must be considered when WHP action items are selected and prioritized (part 4720.5250, subpart 3):

- Contamination of the public water supply wells by substances that exceed federal drinking water standards.
- Quantifiable levels of contamination resulting from human activity.
- The location of potential contaminant sources relative to the wells.
- The number of each potential contaminant source identified, and the nature of the potential contaminant associated with each source.
- The capability of geologic material to absorb a contaminant.
- The effectiveness of existing controls.
- The time needed to acquire cooperation from other agencies and cooperators.
- The resources needed, i.e., staff, money, time, legal, and technical resources.

The City of Brainerd defines a priority for implementing a WHP measure as maintaining the quantity and high-quality drinking water they have come to expect. The following **Table 12** lists each measure that will be implemented over the 10-year period that the city's WHP plan is in effect, including the priority assigned to each measure. It is difficult to foresee and plan for the future. The city will use its planning and management capabilities within this plan to respond to any new/unknown source water protection issues that may impact the quality or quantity of its drinking water in the future.

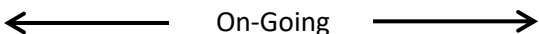
Table 12: WHP Action Plan

A. DATA COLLECTION, MONITORING AND ASSESSMENT

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #A1</u> <i>Groundwater Quality / Quantity Monitoring</i> Notify the MDH Hydrologist during year 6 for monitoring of the standard assessment package, which should include the primary wells and wetlands. BPU will collect samples to submit to MDH to pay for monitoring and analysis costs.	1, 5	M	Staff Time	Brainerd MDH Hydro						X				
<u>WHP Measure #A2</u> Coordinate with MDH on locating and verifying any known new wells, especially east of the Mississippi River, and within one mile of the city’s public water supply wells. Well details should include well owner, depth, use, and MDH well record.	1, 5	L	Staff Time	Brainerd MDH		X		X		X		X		X
<u>WHP Measure #A3</u> Coordinate with MDH and MNDNR to identify new high-capacity wells that are proposed for construction within one mile of the DWSMA. Request MDH and MNDNR provide an objective well evaluation identifying potential impacts.	1, 5	M	Staff Time	Brainerd MDH MNDNR Well Owners			X				X			
<u>WHP Measure #A4</u> <i>Class V Wells</i> Inventory locations of potential Class V wells via direct communication with the business or landowner. Provide a Fact Sheet and reporting requirements on Class V Wells and impacts on groundwater quality. Notify MDH of any Class V wells identified within the DWSMA. Information available at: https://www.epa.gov/uic/federal-requirements-class-v-wells .	1, 5	M	Staff Time	Brainerd EPA Landowners MDH	← As Needed →									

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #A5</u> <i>Aquifer Testing</i> The city may prepare to replace one or more of the existing wells due to infrastructure age. Work cooperatively with MDH for future well-siting, sampling, and analysis. To prepare for this, the city may consider water quality sampling of existing wells, construction of test wells, and well capacity testing to determine potential yield and suitability as a public water supply well.	1, 5	H	TBD	Brainerd MDH Hydro	← As Needed →									
<u>WHP Measure #A6</u> Coordinate with MDH, MNDNR, and/or MPCA to identify any surface-to-ground water connectivity between the public water supply wells and the adjacent wetland areas and/or other adjacent surface waters, including stormwater runoff. Apply for grant funding to perform water quality or infrastructure improvement projects as corrective measures.	1, 5	M	Staff Time	Brainerd MDH MNDNR MPCA			X				X			
<u>WHP Measure #A7</u> Investigate the integrity and construction of the older public water supply wells to make sure they are not serving as potential contaminant pathways. This could include scoping, televising, and other assessment methods.	1, 5	H	TBD	Brainerd MDH	← As Needed →									

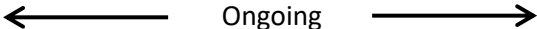
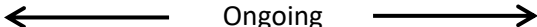
B. POTENTIAL CONTAMINANT SOURCE MANAGEMENT

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #B1</u> <i>Potential Contaminant Source Inventory</i> Update the PCSI, as needed, with a complete update during year six. Review status of existing potential contaminants and add any new ones identified within the DWSMA.	2, 6	M	Staff Time	Brainerd MDA MDH MRWA						X				
<u>WHP Measure #B2</u> <i>Unlocated-Unsealed Wells</i> Seal unlocated-unsealed or abandoned wells. Promote local abandonment and sealing of these wells within the DWSMA. The city may assist in finding funding sources for the homeowners. Wells in the Emergency Response Area are the priority.	2	M	TBD	Brainerd Crow Wing County MDH Well Owners										
<u>WHP Measure #B3</u> <i>Old Municipal Well Report</i> Review the OMWR and work with MDH to identify, locate, and seal any wells identified in this report.	2, 5	M	TBD	Brainerd MDH			X	X						
<u>WHP Measure #B4</u> <i>Inner Well Management Zone</i> Review and update the IWMZ survey and monitor setbacks for all public water supply (PWS) wells every 5 years. Perform any necessary corrective measures.	2, 5	M	Staff Time	Brainerd MDH				X					X	
<u>WHP Measure #B5</u> <i>Emergency Response Plan</i> Continue coordination between the city and local and county emergency responders to review the DWSMA Emergency Response Area as a high priority for response efforts. Identify training opportunities and equipment needs to improve response time and effectiveness.	3, 5	H	Staff Time	Brainerd Brainerd Fire Dept City of Baxter Crow Wing County		X					X			

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame										
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<u>WHP Measure #B6</u> <i>Hazardous Materials</i> Conduct a survey to identify the current status of storage tanks, leak sites, and other MPCA-regulated permit locations within the moderate and high vulnerability areas of the DWSMA. Tanks within the ERA are the priority. Request MPCA assistance to help conduct this survey and apply for funds to facilitate corrective actions.	2	H	Staff Time / Special Studies (if needed)	Brainerd MDH MPCA				X						X	
<u>WHP Measure #B7</u> <i>Transportation Corridors</i> Coordinate with MnDOT, MDH, and contractors to address impacts of construction along transportation corridors within the moderate and high vulnerability areas of the DWSMA (GWCA and SWCA) to minimize chances of future contamination.	2, 5	H	Staff Time	Brainerd MNDOT MDH	← As Needed →										
<u>WHP Measure #B8</u> <i>City Infrastructure</i> Continue to evaluate water, sanitary and stormwater systems to identify components that have a potential to contaminate the water system. Make recommendations to the City Council as part of the Capital Improvement Plan to repair or replace failing infrastructure. The parts of the system within the ERA are the priority.	2	L	Staff Time	Brainerd WHP Team			X			X				X	
<u>WHP Measure #B9</u> Evaluate and identify PFAS/PFOS and other potential contaminants of concern (lead, copper, etc.) that may enter the water supply system and how to mitigate these concerns.	2, 5	M	TBD	Brainerd MDH MPCA	← As Needed →										

C. ADMINISTRATIVE CONTROLS AND GUIDELINES

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame										
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<u>WHP Measure #C1</u> <i>Municipal Policy</i> Incorporate recognition of WHP and DWSMA in future updates of City Comprehensive Plan, Economic Development Plan, City Zoning and Ordinances, and other administrative controls. This may include a city well ordinance.	3	M	Staff Time	Brainerd MDH MRWA		X				X					X
<u>WHP Measure #C2</u> <i>Conservation Guidelines</i> Explore opportunities to promote water conservation measures and codify these in updated plans, policies, and education/outreach materials and programs.	3, 4	M	TBD	Brainerd WHP Team		X			X			X			
<u>WHP Measure #C3</u> <i>City Codes and Permits</i> Review and enforce applicable City Code and permits for public utilities and Minnesota Plumbing Code 4715.1920 banning cross connections, preventing contamination of city water via private wells. This may reduce the likelihood that pumping of other wells will impact contaminant movement to the city wells.	3	H	Staff Time	Brainerd	← Ongoing →										
<u>WHP Measure #C4</u> <i>Land Use, Zoning, and City Code</i> Identify and document any land use or zoning changes within the DWSMA (prioritize the ERA) that may affect the drinking water supply. Update land use, zoning, and city code as needed and address these changes in future comprehensive planning documents.	1, 2	M	Staff Time	Brainerd MDH WHP Team	← As Needed →										

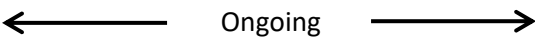
Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measuer #C5</u> Work cooperatively with local, state, and federal agencies to provide long-term protection on vulnerable lands within the DWSMA.	2, 3	M	Staff Time	Brainerd BWSR Crow Wing County MDH MPCA MRWA										
<u>WHP Measure #C6</u> <i>New Wells</i> Coordinate with city staff to identify new wells drilled within the city limits.	2, 3	H	Staff Time	Brainerd Crow Wing County MDH WHP Team										
<u>WHP Measure #C7</u> <i>Best Management Practices</i> Provide Best Management Practices (BMPs) information for all land-use operations within the DWSMA. The city will work with city departments, businesses and residents to improve awareness, reduce use of fertilizers/chemicals, and address other nonpoint source pollutants.	3, 4	L	TBD	Brainerd Crow Wing County SWCD MRWA WHP Team										
<u>WHP Measure #C8</u> <i>Emergency Response, Physical and Cyber Security</i> Evaluate and document the city’s emergency response operations. Assess and improve physical and cyber security and backup power options for the city wells and water system.	2, 3, 6	H	Staff Time / TBD	Brainerd MDH MRWA WHP Team			X					X		

D. PUBLIC EDUCATION AND OUTREACH

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #D1</u> Develop and release periodic WHP educational materials to residents via newsletters, bill stuffers, and social media platforms. Provide public information explaining the WHPP and its purpose, especially to citizens served by the public water supply system.	2, 4	M	Staff Time	Brainerd Local Media MRWA		X			X			X		
<u>WHP Measure #D2</u> Coordinate with MPCA to provide educational materials directly to hazardous waste and solid waste permit holders. Direct landowners to household hazardous waste collection held by Crow Wing County Solid Waste Disposal Site.	2, 4	M	Staff Time	Brainerd Crow Wing County MPCA WHP Team			X		X		X		X	
<u>WHP Measure #D3</u> Maintain communication with Crow Wing County and adjoining townships to ensure that concerns regarding city water supply protection are addressed in local land-use decisions, including comprehensive land use plan, zoning ordinances, and other plan updates.	2, 3	H	Staff Time	Brainerd City of Baxter Crow Wing County Townships WHP Team	← Ongoing →									
<u>WHP Measure #D4</u> City staff will distribute MDH and/or MRWA brochures describing proper well maintenance and operation to private landowners within the DWSMA.	4	M	Staff Time	Brainerd MDH MRWA WHP Team		X			X			X		

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #D5</u> Provide information regarding effective road salt use to citizens, either by informational brochure, posting on the City website, or in the news or social media posts. Encourage less use of salt or a less damaging salt alternative. Provide MPCA Smart Salting training to the City’s street maintenance staff.	2, 4	M	Staff Time / Marketing Costs	Brainerd Local Media MPCA MRWA	X			X			X			X
<u>WHP Measure #D6</u> Provide information about PFAS/PFOS and other potential contaminants as future treatment or mitigation efforts are identified.	2, 4, 5	M	Staff Time	Brainerd MDH MPCA		X			X			X		

E. WHP COORDINATION, REPORTING AND EVALUATION

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<u>WHP Measure #E1</u> <i>Water Use Management</i> Review and update the Emergency / Contingency Strategy Plan portion of the City's WHP plan every 2.5 years to ensure it reflects any changes in the water supply system.	3, 6	M	Staff Time	Brainerd WHP Team			X			X		X		X
<u>WHP Measure #E2</u> <i>WHP Coordination</i> Coordinate a meeting with the WHP team annually. Discuss funding needs and pursuit of SWP Grant funds to help implement activities identified in the WHP Plan.	5, 6	H	Staff Time	Brainerd MDH MRWA WHP Team	X	X	X	X	X	X	X	X	X	X
<u>WHP Measure #E3</u> <i>Implementation Tracking and Reporting Activities</i> Maintain a "WHP folder" that contains documentation of annual WHP activities and dates completed.	6	H	Staff Time	Brainerd WHP Team	X	X	X	X	X	X	X	X	X	X
<u>WHP Measure #E4</u> Develop a spreadsheet that monitors plan implementation activities and completion dates.	6	H	Staff Time	Brainerd WHP Team										
<u>WHP Measure #E5</u> <i>WHP Program Evaluation Plan Reporting</i> Complete an Evaluation Report every 2.5 years that evaluates the "progress of plan of action and the impact of any contaminant release on the aquifer supplying the public water supply well" MN WHP Rule 4720.5270.	6	H	Staff Time	Brainerd MDH MRWA			X			X		X		X
<u>WHP Measure #E6</u> Summarize WHP Plan implementation efforts in a report to MDH in the year 8.	5, 6	M	Staff Time	Brainerd MDH MRWA								X		

Commitments from Cooperators

The city will coordinate with those agencies and organizations listed in **Table 13** to implement the WHP measures in which they are identified.

Table 13: Cooperating Agencies List

AGENCY	MEASURES
Brainerd First Responders	B5
City of Baxter	B5, D3
Crow Wing County (SWCD, Highway, etc.)	B2, B5, C5-C7, D2-D3
Environmental Protection Agency (EPA)	A4
Minnesota Department of Agriculture (MDA)	B1, C5
Minnesota Department of Health (MDH)	A1-A7, B1-B4, B6-B7, B9, C1, C4-C6, C8, D4, D6, E2, E5-E6
Minnesota Department of Natural Resources (MNDNR)	A3, A6
Minnesota Department of Transportation (MNDOT)	B7
Minnesota Pollution Control Agency (MPCA)	A6, B6, B9, C5, D2, D5-D6
Minnesota Rural Water Association (MRWA)	B1, C1, C5, C7-C8, D1, D4-D5, E2, E5-E6

CHAPTER 6: EVALUATION PROGRAM

Minnesota Rules 4720.5270

A successful Wellhead Protection Plan must identify a strategy for evaluating the progress of the measures and the impact of a contaminant release on the aquifer supplying the public water supply well. The evaluation strategy will be conducted throughout the DWSMA, will be based on the health risk the specific potential contaminant source presents to the public water supply well, and will specify the evaluation approach used for specific potential contaminant sources.

The evaluation strategy will include the following activities:

- Prepare an annual report or briefing for the Utility Commission and City Council on progress of the wellhead protection implementation actions.
- WHP Team will meet annually to discuss the implementation actions, address issues, and coordinate future activities.
- Document the implementation of wellhead protection measures via a self-assessment report every 2.5 years and submit reports to MDH and MRWA.

The wellhead protection team will meet on an as-needed basis, with a minimum of an assessment meeting every two and one-half years, to review the results of each strategy and identify whether modifications are required. The WHP Manager will complete an annual evaluation report regarding the progress in implementing the wellhead management evaluation strategies. These reports will be used to evaluate the progress of the wellhead protection management strategies when the WHPP is updated after 10 years. A copy of the annual report will be submitted to the city council, MDH and local units of government. In addition, an evaluation conducted when a WHPP is amended will be submitted to the MDH at the first scoping meeting held to amend the existing plan.

CHAPTER 7: ALTERNATIVE WATER SUPPLY; CONTINGENCY STRATEGY

Minnesota Rules 4720.5280

The City of Brainerd Water Emergency Plan and Water Supply Plan and the DNR approval letter are included in **Appendix F**. The Water Supply Plan was submitted to and approved by the MNDNR, Division of Ecological and Water Resources, as of January 30, 2017. The city will continue to implement the plan with the aid of local emergency management agencies.

Appendix A: 2022 Part 1 Wellhead Protection Plan (WHPP) and 2011 Part 2 WHPP

Appendix B: 2022 Part 2 Scoping Decision Notice

Appendix C: Potential Contaminant Source Inventory (PCSI) and DWSMA Parcel List

Appendix D: Inner Well Management Zone (IWMZ) Inventory

Appendix E: Old Municipal Well Inventory

Appendix F: Brainerd Public Water Supply Plan, Emergency Response and Contingency Plan, and DNR Approval Letter

Appendix G: Controls/Programs and Glossary of Terms

Appendix H: Implementation Schedule

Appendix I: LGU Review and Public Hearing

Hydrogeologic Assessment of the Drinking Water Source and Wells for the Brainerd Public Utilities

DELINEATIONS – WELLHEAD PROTECTION AREA AND DRINKING WATER
SUPPLY MANAGEMENT AREA

VULNERABILITY ASSESSMENTS – WELLS AND DRINKING WATER SUPPLY
MANAGEMENT AREA

June 16, 2021

Hydrogeologic Assessment of the Drinking Water Source and Wells for the Brainerd Public Utilities

Public Water Supply ID: 1180002

Brainerd Public Utilities
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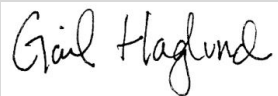
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I hereby certify that this plan, document or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the State of Minnesota.

Signature:  Date: 6/16/2021

Printed Name: Gail Haglund

License Number: 30098

I hereby certify that this plan, document or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Geologist under the laws of the State of Minnesota.

Signature: _____ Date: _____

Printed Name: Trent Farnum

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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.

Groundwater Capture Area (GWCA). The subsurface area surrounding a well or well field through which water moves toward and reaches the well over a given span of time, commonly based on computer modeling of ground water flow. The terms ‘capture zone’ and ‘capture area’ are used interchangeably.

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.

Surface Water Contribution Area (SWCA). The geographic area that may provide recharge to the aquifer within the groundwater capture zone, attributed to:

- a surface hydrologic feature and associated watershed; and/or
- overland flow and infiltration of precipitation or meltwater, with the contributing area defined by topography.

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, section 103I.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

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

MODFLOW - Three-Dimensional Finite-Difference Groundwater Model

MPCA - Minnesota Pollution Control Agency

NRCS - Natural Resource Conservation Service

PUC - Public Utilities Commission

SWCD - Soil and Water Conservation District

UMN - University of Minnesota

USDA - United States Department of Agriculture

USGS - United States Geological Survey

Summary

Protection Areas - The recharge area for the wells is known as the wellhead protection area, or WHPA, and represents the combined area of groundwater capture zones within a 10-year time period and the surface water contribution area (SWCA). The area that contributes groundwater water to the wells within a one-year time period is known as the emergency response area, or ERA. Practical reasons require the designation of a management area that fully envelops the wellhead protection area, called the drinking water supply management area, or DWSMA. The ERA, WHPA and DWSMA are shown in Figure 1A; the groundwater capture areas (GWCAs) and their vulnerabilities are shown in Figure 1B, and the SWCA and the SWCA vulnerability are shown in Figure 1C.

Geology and Groundwater Flow – Brainerd Public Utilities (BPU) has six primary wells screened in a sand and gravel aquifer, which is known generically as a Quaternary Water Table Aquifer (QWTA). At the location of BPU's wellfield, aquifer thickness ranges between approximately 105 to 140 feet. At the majority of wells, the depth-to-water is generally less than 20 feet. However, at the location of Well #8 (403973), where the land surface elevation is higher, the depth-to-water is about 75 feet. All well wells are located more than 50 feet from designated 100-year floodplains. Information about the construction of the wells and their vulnerability is provided in Table 1. Groundwater flow is to the west-northwest toward the Mississippi River.

Table 1 - Water Supply Well Information

Local Well ID	Unique Number	Use/ Status	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed/ Reconstructed	Aquifer	Well Vulnerability
Well #3	232347	Primary	16	73	125	1939	QWTA	Vulnerable
Well #4	232348	Primary	16	73	123	1944	QWTA	Vulnerable
Well #5	232349	Primary	16	105	145	1947	QWTA	Vulnerable
Well #6	232350	Primary	16	107	156	1947	QWTA	Vulnerable

Local Well ID	Unique Number	Use/ Status	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed/ Reconstructed	Aquifer	Well Vulnerability
Well #7	232352	Primary	20	88	157	1955	QWTA	Vulnerable
Well #8	403973	Primary	16	144	187	1984	QWTA	Vulnerable

Well Vulnerability - The vulnerability of each well has been assessed based on 1) well construction details, especially conformance with standards required by the state well code, 2) the geologic sensitivity of the aquifer, and 3) past monitoring results. Except for Well #8 (403973), it is unknown whether the older wells meet current construction standards because grouting information is not known. The glacial aquifer is considered to have a high to very high geologic sensitivity due to the lack of any kind of protective geologic materials, such as clay-rich till, between the land surface and the sand and gravel aquifer. In addition, all wells are considered vulnerable to contamination due to tritium being detected in the well water (Table 2). Detectable tritium indicates the presence of young (post-1953) water. This is reinforced by the chloride concentrations and chloride/bromide ratios presented below. Elevated concentrations or concentration ratios indicate human-impacted water quality from activities at the land surface such as road salt or wastewater.

Table 2 - Isotope and Water Quality Results
(Sample Date is May 15, 2018 unless otherwise noted)

Unique Number (Well Name)	Tritium ¹ (TU)	Nitrate (mg/L)	Chloride (mg/L)	Bromide (mg/L)	Chloride/ Bromide Ratio
232347 (Well #3)	6.03 (2016) Modern Age	0.24	33.5	0.0457	733
232348 (Well #4)	4.63 (2017) Modern Age	0.31	23.3	0.0431	541
232349 (Well #5)	7.99 (2015) Modern Age	0.07	25.2	0.0303	832
232350 (Well #6)	8.5 (2010) Modern Age	0.19	26.5	0.0336	789
232352 (Well #7)	7.0 (2010) Modern Age	< 0.05	14.7	0.022	668
403973 (Well #8)	4.9 (2010) Mixed Age	1.3	41.1	0.0286	1437

Note: 1. Tritium age reference: DNR-MDH, 2020.

DWSMA Vulnerability -The vulnerability of BPU's aquifer throughout the DWSMA is based on the geologic sensitivity ratings of wells and available isotopic and water quality data. Based on this information MDH has assigned a DWSMA vulnerability that ranges from moderate to high (Figure 1). the DWSMA vulnerability is classed as moderate, pathways exist where water and contaminants may travel from the land surface to the aquifer within a time span of years to decades. Moderately vulnerable aquifers are prone to a variety of contaminant threats, including chemical storage tanks and abandoned wells. Within the high vulnerability area, water and contaminants may travel from the land surface to the utility's aquifer within a time span of weeks to years. Highly vulnerable aquifers are prone to a wide variety of contaminant threats, including chemical storage tanks, road salt, and chemical applications to the land surface.

Water Quality Concerns - At present, none of the contaminants for which the Safe Drinking Water Act has established health-based standards is found above maximum allowable levels in the utility's water supply, nor are any present at one-half of those levels. Naturally occurring arsenic has been detected at low levels in several wells, however, arsenic has not been detected in finished water that enters the distribution system.

Recommendations - Recommendations have been generated to improve future delineations and vulnerability assessments and should be considered for inclusion as management strategies in the utility's wellhead protection plan. These activities include: well locating, planning measures for the future replacement of one of the older wells in the event of well failure, and water quality monitoring. Further details can be found in the Recommendations section of this report.

Figure 1A
Wellhead Protection Area and
Drinking Water Supply Management Area
Brainerd Public Utilities

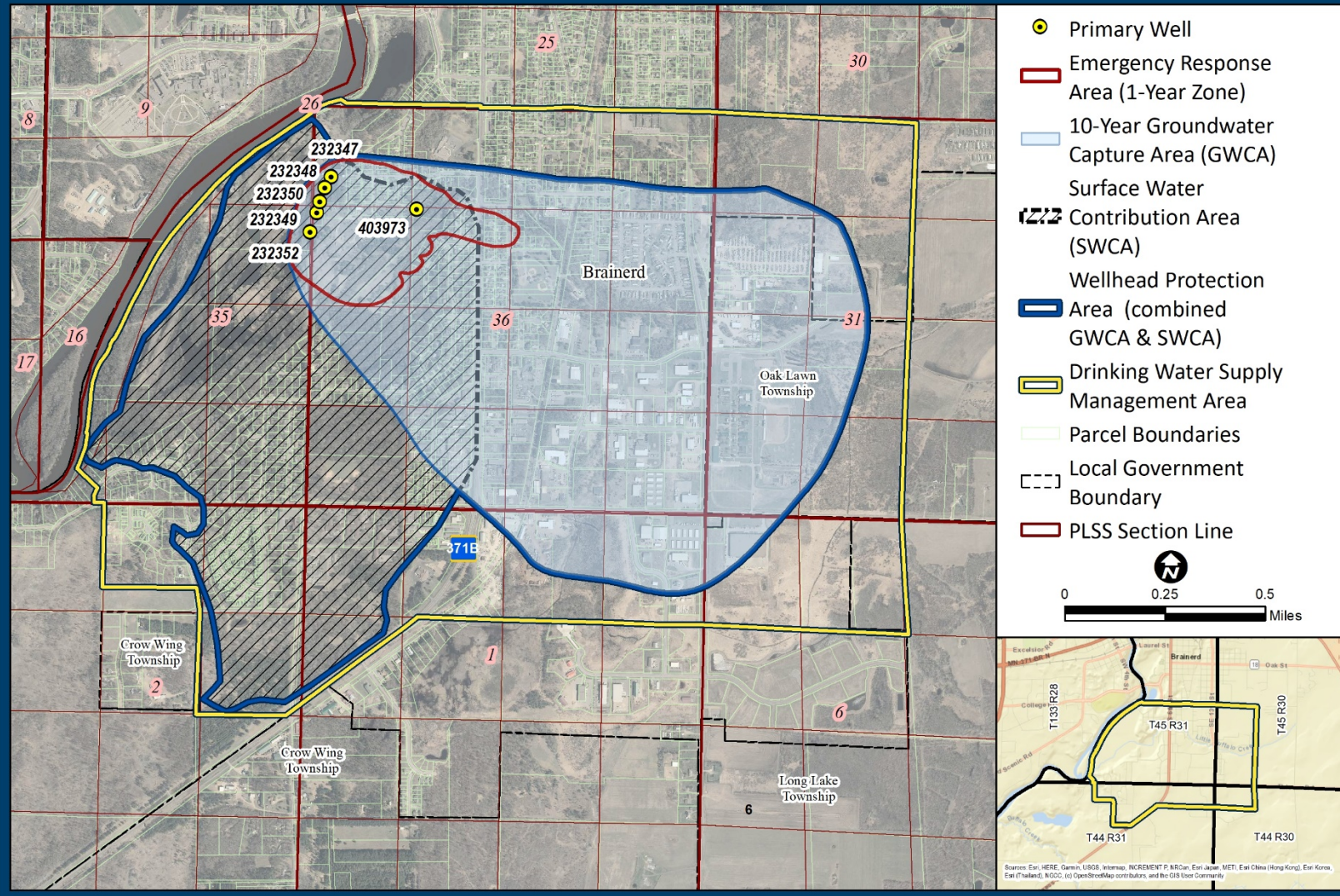


Figure 1B
Groundwater Protection Areas and Vulnerabilities
Brainerd Public Utilities

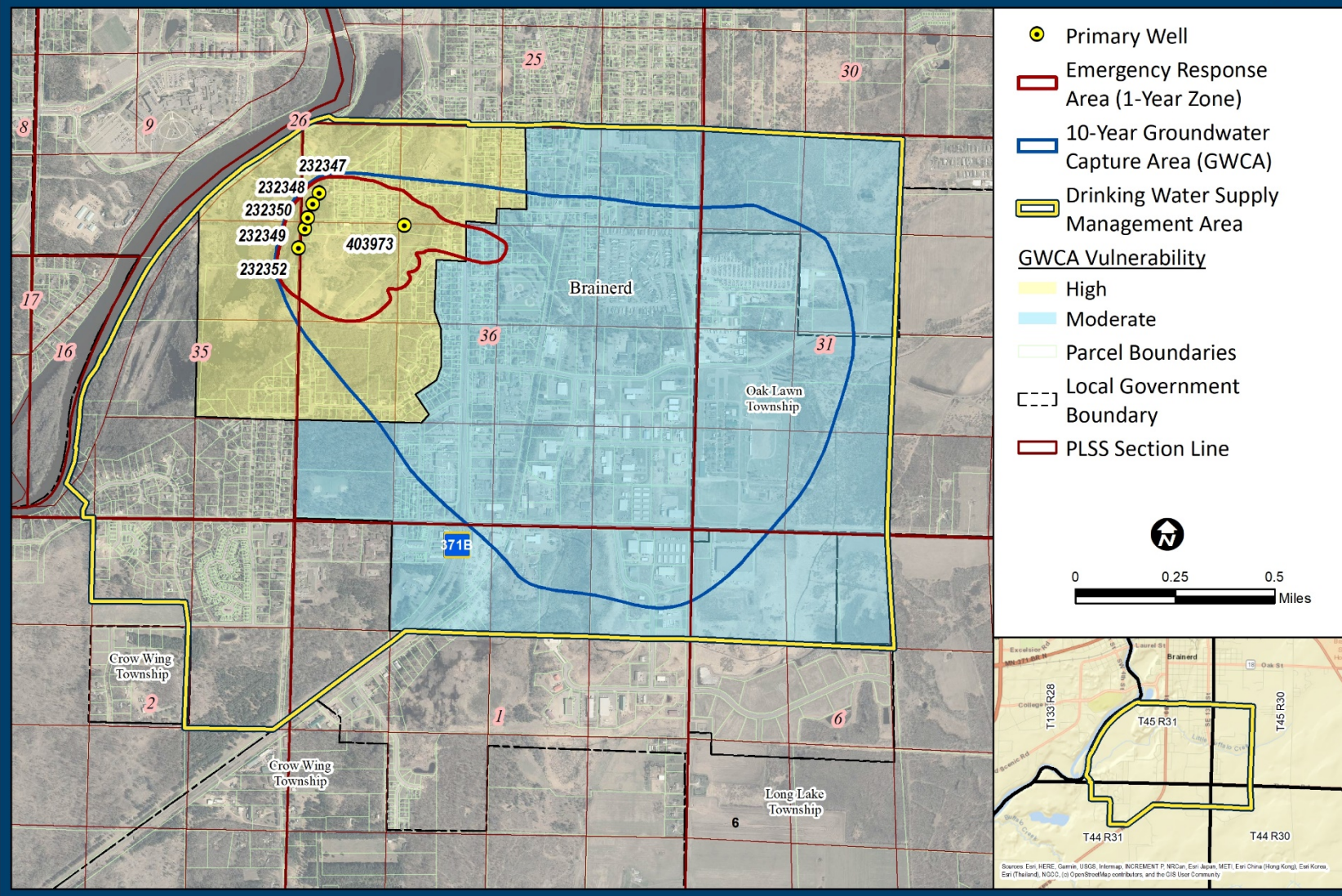
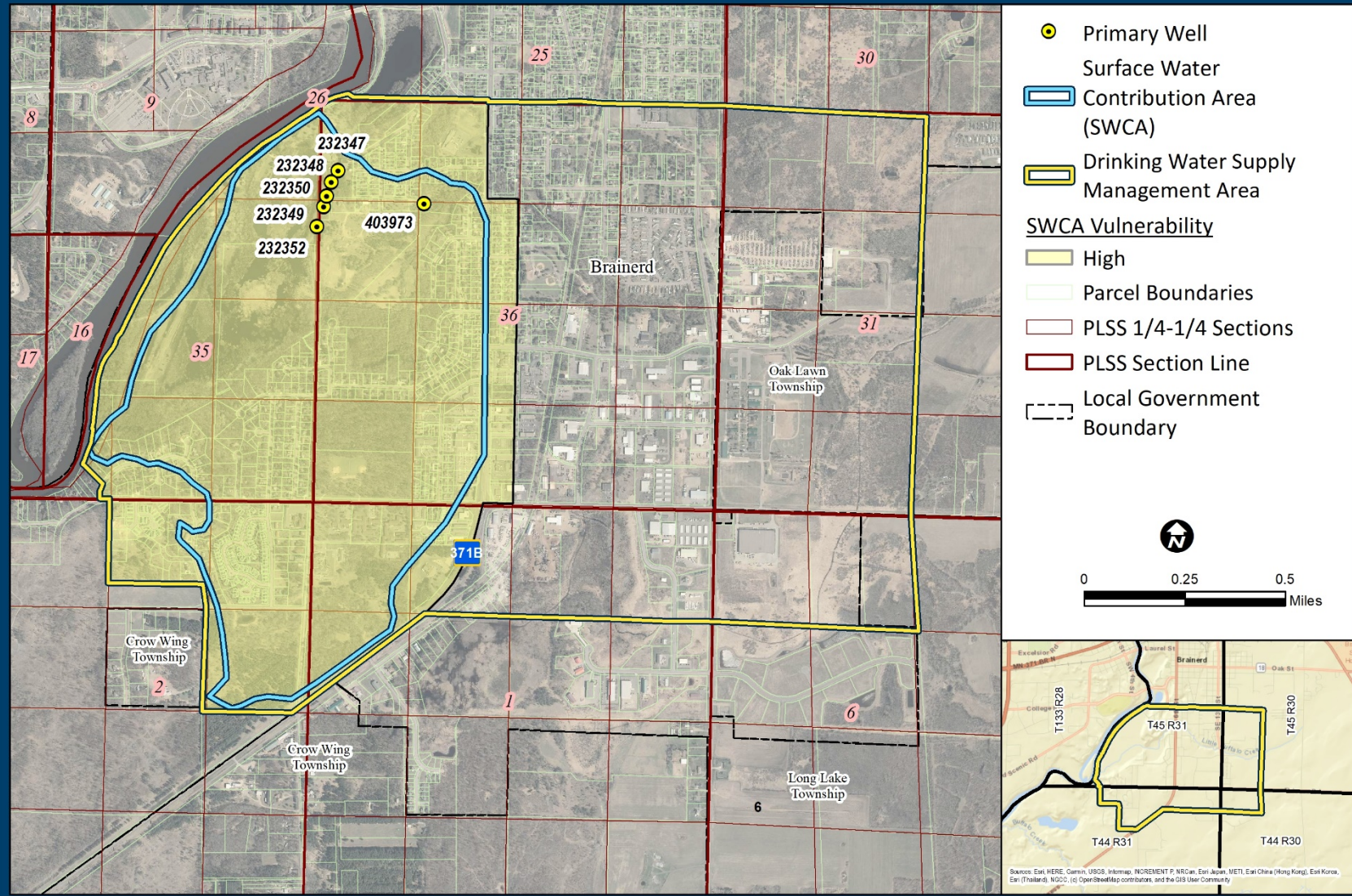


Figure 1C
Surface Water Contribution Area and Vulnerability
Brainerd Public Utilities



Technical Report

Discussion

This document describes the amendments to Part 1 of the wellhead protection (WHP) plan for Brainerd Public Utilities (PWSID 1180002). The purpose for amending the plan is to address the changes that have occurred since the plan was last approved, in order to update the WHP measures that are needed to protect public drinking water. The amended areas are somewhat smaller (Figure 8) because of changes to the location and size of the well capture zones and the surface water contribution area. The work was performed in accordance with the Minnesota Wellhead Protection Rule, parts 4720.5100 to 4720.5590.

This report presents delineations of the groundwater capture area (GWCA), the surface water contribution area (SWCA), the wellhead protection area (WHPA), and drinking water supply management area (DWSMA), and the vulnerability assessments for the public water supply wells and protection areas. Figure 1A shows the boundaries of the GWCA, SWCA, WHPA and DWSMA. The GWCA is defined by a 10-year time of travel. The SWCA is defined as the potential surface water contribution area to the wetlands located near the wellfield. The WHPA is defined as the combined area containing both the GWCA and SWCA. Figure 1A also shows the emergency response area (ERA), which is defined by a one-year time of travel. The vulnerabilities of the GWCA and SWCA are shown in Figures 1B and 1C, respectively. Definitions of rule-specific terms used are provided in the “Glossary of Terms.”

In addition, this report documents the technical information required to prepare this portion of the WHP plan in accordance with the Minnesota Wellhead Protection Rule. Additional technical information is available from MDH.

Table 1 lists all the wells in the public water supply system. Only wells listed as primary are required to be included in the WHP plan.

Assessment of the Data Elements

MDH staff met with representatives of the Brainerd Public Utilities on February 25, 2021, for a scoping meeting that identified the data elements required to prepare Part I of the WHP plan. Appendix A presents the assessment of these data elements relative to the present and future implications of planning items specified in Minnesota Rules, part 4720.5210.

General Descriptions

Description of the Water Supply System

The Brainerd Public Utilities obtains its drinking water supply from six primary wells. Table 1 summarizes information regarding them.

Description of the Hydrogeologic Setting

The Brainerd Public Utilities' six wells draw groundwater from a glacial sand and gravel aquifer. The wellfield is located in central Brainerd, along the east side of the Mississippi River. Five of the wells trend in a general north-south line, and are spaced from 150 to 275 feet apart. The wellfield is adjacent to floodplain wetlands that are located between the river and the wellfield. The sixth well, Well #8 (403973), is offset and is located about ¼ mile east, and at a higher topographic elevation compared to the main wellfield. All of the wells are located more than 50 feet from the 100-year floodplain and are in compliance with the Well Code (Minnesota Rules 4725) isolation distances. The wellfield overlies a relatively narrow bedrock valley structure that is filled with glacial channel deposits consisting of interbedded layers of sand and gravel, ranging in texture from fine sand to coarse gravel. The valley structure is offset from the river, trending northeast-southwest, and is about ½ mile wide at the wellfield. The thickest sequence of sand and gravel materials is found at Well #8, which is more centrally located within the bedrock valley compared to the larger wellfield. At Well #8, the channel fill deposits are 190 feet thick and are underlain by bedrock comprised of slate (Precambrian Metasedimentary rocks). Due to the higher topographic elevation of this well, static water levels are observed at approximately 75 feet below the land surface. At the larger wellfield, channel fill deposits are about 150 feet deep (as indicated by the well construction record for Well #7 [232350]). Static water levels are shallower compared to Well #8 and are observed less than 20 feet below the land surface. All of the wells are cased more than 55 feet below the static water level; the screen lengths range 42 feet to 63 feet, with the longest screen at Well #7.

The aquifer transitions from being a shallow water-table aquifer to a buried glacial aquifer (referred to as Quaternary Buried Artesian Aquifer [QBAA]) upgradient (east) of the wellfield and beyond the boundaries of the bedrock valley. Here the glacial aquifer significantly thins and is described primarily as sand on local well records. The sand layer is overlain by a thickness of clay-rich till that ranges between 30 to 80 feet. The till provides a degree of natural protection to the buried glacial aquifer from land use activities.

The Mississippi River is the major discharge feature in the area, flowing southwest until it meets with the Crow Wing River. The confluence of the rivers is about six miles southwest of Brainerd. Two creeks, Little Buffalo Creek and Buffalo Creek, drain west toward the river from the higher topographic areas. Little Buffalo Creek flows through the DWSMA, draining to the wetland immediately south of the wellfield and discharging to the river. Buffalo Creek is located south of the DWSMA and discharges to the Mississippi River a little more than a mile downstream from Little Buffalo Creek.

Similar to the creeks, groundwater flows east to west in the immediate vicinity of the wellfield. Further upgradient from the wellfield, the water table contours parallel the orientation of the river and there is more of a northwest component to the groundwater flow direction (Figure 2).

A description of the hydrogeologic setting for the aquifer used to supply drinking water is presented in Table 3.

Table 3 - Description of the Local Hydrogeologic Setting

Attribute	Descriptor	Data Source
Aquifer Material	Sand and Gravel	Interpreted from well records found in the CWI database.
Porosity Type and Value	0.25	Conservative estimate for glacial materials (Fetter, 1988; Freeze and Cherry, 1979).
Aquifer Thickness	In vicinity of the Brainerd wellfield – variable, ranges 105 to 140 feet	Interpreted from well records and inferred from information contained in the county geologic atlas (Setterholm, 2004; Peterson, 2007).
Stratigraphic Top Elevation	In vicinity of the Brainerd wellfield – variable, approx. 1150 ft., AMSL	Interpreted from well records and inferred from information contained in the county geologic atlas (Setterholm, 2004; Peterson, 2007).
Stratigraphic Bottom Elevation	In vicinity of the Brainerd wellfield – variable, ranges 1010 – 1035 feet, AMSL	Estimated from well records and information contained in the county geologic atlas (Setterholm, 2004; Peterson, 2007). The representative values are weighted toward the base elevation at the wellfield and within the contribution area to the wells.

Attribute	Descriptor	Data Source
Hydraulic Confinement	At Wellfield – Unconfined Upgradient - Confined	Aquifer tests, well records, and information contained in the county geologic atlas (Setterholm, 2004; Peterson, 2007).
Transmissivity	In vicinity of the Brainerd wellfield - Variable, ranges 51,000 to 55,230 ft ² /day	The representative range of transmissivity values shown here reflects changes in aquifer composition and thickness as well as uncertainties related to the quality of existing aquifer test data. Upgradient of the wellfield, aquifer thickness and transmissivity varies significantly.
Hydraulic Conductivity	In vicinity of the Brainerd wellfield - Representative: 394 ft/day Range: < 5 ft/d – 410 ft/d	The representative value was derived from an aquifer test and specific capacity data from the BPU wells. The model range of values was derived using specific capacity data obtained from well records in the Brainerd area.
Groundwater Flow Field	Groundwater flow is toward the northwest and the Mississippi River, with an approximate compass direction of 305° and gradient of 0.015 upgradient of the wellfield (Figure 2).	Defined by using static water level elevations from well records in the CWI database and documents listed in the “Selected References” section of this report.

The distribution of the aquifer and its stratigraphic relationships with adjacent geologic materials are shown in Figures 3, 4, and 5. They were prepared using well record data contained in the CWI database. The geological maps and studies used to further define local hydrogeologic conditions are provided in the “Selected References” section of this report.

Delineation of the Wellhead Protection Area

Delineation Criteria

The boundaries of the WHPA for the Brainerd Public Utilities are shown in Figure 1. Table 4 describes how the delineation criteria specified under Minnesota Rules, part 4720.5510, were addressed.

Table 4 - Description of WHPA Delineation Criteria

Criterion	Descriptor	How the Criterion was Addressed
Flow Boundary	A number of hydrologic flow boundaries were simulated, including the Mississippi River, Little Buffalo Creek, Buffalo Creek and numerous wetlands.	Perennial rivers, streams and ditches, lakes, wetlands and ponds were included in the model because these features influence the ambient groundwater flow field.
Flow Boundary	Other High Capacity Wells Table 6	Only a few high-capacity wells exist within 1.5 miles of Brainerd Public Utilities's wells and these were simulated in the model.
Daily Volume of Water Pumped	See Table 5	Pumping information was obtained from the DNR, Appropriations Permit Number 1977-3523, and was converted to a daily volume pumped by a well.
Groundwater Flow Field	Groundwater flow is toward the northwest and the Mississippi River, with an approximate compass direction of 305° and gradient of 0.015 upgradient of the wellfield.	The interpreted groundwater flow field was determined from local well data. The flow field was simulated in the MODFLOW groundwater model and capture zones were calculated based on the flow field.

Criterion	Descriptor	How the Criterion was Addressed
Aquifer Hydraulic Conductivity	Reference Value: 394 ft/day	The aquifer test plan was approved on March 31, 2021, and K was determined from an aquifer test and specific capacity data from the BPU wells. Uncertainty regarding aquifer transmissivity was addressed as described in the “Addressing Model Uncertainty” section.
Time of Travel	10 years	The public water supplier selected a 10-year time of travel.

Pumping data was obtained from the DNR Permit and Reporting System (MPARS) for the public water supply’s Appropriation Permit Number 1977-3523. These values, confirmed by the public water supplier, were used to identify the maximum volume of water pumped annually by each well over the previous five-year period, as shown in Table 5. An estimate of the pumping for the next five years is also shown. The maximum daily volume of discharge used as an input parameter in the model was calculated by dividing the greatest annual pumping volume by 365 days.

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

Well Name	Unique Number	2015	2016	2017	2018	2019	5-Year Projected Pumping	Daily Volume (cubic meters)
Well #3	232347	92.339	89.895	82.247	81.300	86.221	92.339	957.7
Well #4	232348	67.777	77.212	82.039	87.535	84.085	87.535	907.8
Well #5	232349	96.021	92.086	63.917	89.395	98.854	98.854	1025.2
Well #6	232350	73.422	104.841	106.736	98.866	83.969	106.736	1107

Well Name	Unique Number	2015	2016	2017	2018	2019	5-Year Projected Pumping	Daily Volume (cubic meters)
Well #7	232352	221.064	184.690	184.715	174.402	176.0	221.064	2292.7
Well #8	403973	104.762	88.922	91.083	88.108	94.655	104.762	1086.5
Totals		655.385	637.646	610.737	619.606	623.79	711.29	7376.9

(Expressed as gallons. Bolding indicates greatest annual pumping volume.)

In addition to the wells used by the public water supplier, Table 6 shows other high-capacity wells included in the delineation to account for their pumping impacts on the capture areas for the public water supply wells. Pumping data was obtained from the DNR MPARS database.

Table 6 - Other Permitted High-Capacity Wells

DNR Permit	Unique No.	2015	2016	2017	2018	2019	Pumping (Year)	Pumping Amount Used in Previous Delineation
1976-2015 School district	116527	0	0	0	0	0	0	14.0905
1976-2015 School district	150830	7.644	5.517	10.766	6.656	4.1685	10.766 (2017)	15.7839
1990-2026 Atek Manufact.	437425	1.074	0.554	permit terminated				5.0
2011-0313 School district	717389 (near wellfield)	1.802	0.934	1.430	0.732	0	1.802 (2015)	0

(Expressed as millions of gallons. **Bold values** indicate highest annual rate from "5 most recent" selected years.)

Source: MN Dep't. of Natural Resources Division of Waters - MNDNR Permitting and Reporting System.

Method Used to Delineate the Wellhead Protection Area

The WHPA for the Brainerd Public Utilities' wells was determined using the software code MODFLOW (McDonald and Harbaugh, 1988; Harbaugh et al., 2000; Harbaugh, 2005). The resulting WHPA boundaries are a composite of the capture zones calculated from several different model scenarios (Figure 1).

MODFLOW was developed by the United States Geological Survey and is publicly available. The specific software code used for this delineation was MODFLOW-2005 (Harbaugh, 2005). The program has been thoroughly documented, is widely used by consultants, government agencies, and researchers and consistently accepted in regulatory proceedings. MODFLOW is also an extremely versatile program capable of simulating groundwater flow in up to three dimensions while offering a variety of boundary condition options, confined or unconfined aquifer conditions and allowing for vertical discretization through the use of layering.

The numerical groundwater model that was constructed consisted of 658 rows, 576 columns, and three layers. The model incorporates a variable areal grid spacing ranging from five meters near the utility's wells and grading to 640 meters at the boundaries of the model domain. Layer tops and bottoms were derived from CWI logs within the model domain. River head boundaries represent cells where water is flowing both into and out of the aquifer and were used to simulate the many lakes and rivers within the model domain within Layer 1. Vertical recharge was applied to Layer 1 of the model using modified values published by the U.S Geological Survey (Delin et al., 2007).

The Brainerd wells are served by a relatively thick water table aquifer. The wells are situated over a buried bedrock valley, and the thickness and base elevation of the sand aquifer is controlled by the topography of the underlying bedrock surface. The boundaries of the valley structure were estimated from bedrock topography provided in the Crow Wing County Geologic Atlas (Setterholm, 2004). Where Layer 1 consists of sand materials, the ratio of $K_x/K_z = 2$ was used; at other locations Layer 1 consists of clay-rich till, and the vertical ratio was increased to 10. Horizontal hydraulic conductivity (K_x) was estimated from either aquifer tests or specific capacity data from existing wells. Due to the heterogeneity of the unconsolidated sand and the lack of contiguous lenses for discretization of hydraulic conductivity zones, site specific data within the model domain was interpolated using the Parameter Estimation (PEST) tool. PEST is a calibration tool developed by John Doherty of Watermark Computing and is most commonly used to estimate aquifer hydraulic conductivity (Doherty, 2010). Typical zonation of hydraulic conductivity introduces zones of different hydraulic conductivity in the model domain at locations where the modeler feels they would do the most good. The parameter zonation process would then be repeated until the fit between model outcomes and field observations was acceptable. Characterization of geologic heterogeneity in the model domain by zones of piecewise uniformity is not in harmony with the nature of the alluvial material, therefore any zonation pattern that is finally decided upon is only defensible on the basis that it is better to employ such a zonation scheme than to ignore geologic heterogeneity altogether. To overcome this problem the distribution of hydraulic conductivity within the model domain was described by a set of pilot points. The pilot point locations and values in the model domain were derived from specific capacity data at domestic wells and aquifer test data for the utility's wells. These values were then smoothed with the geostatistical method of kriging and input into the model. The pilot point method allowed for hydraulic conductivity values to be representative of the utility's well data proximal to the well field and then be smoothed further away.

Other high capacity wells known to be screened in the glacial aquifer were also included in the model. Local rivers, creeks and wetland features were simulated in Layer 1.

To determine the WHPA, the groundwater flow model was used along with a particle tracking program called MODPATH (Pollock, 2012). MODPATH is used to evaluate advective transport of simulated particles moving through the simulated flow system. A series of 216 particles were launched at each well. A porosity of 25 percent was used and a reverse time of travel was calculated at 10 years.

Representative aquifer parameters were used in the base case model scenario. Additional modeling scenarios using MODFLOW were then simulated using reasonable estimations of parameters to demonstrate model sensitivity and to reflect uncertainty conditions, which are addressed in the next section. The model parameters for all model runs are listed in Table 6.

The combined output of all model results was composited to create the final WHPA (Figure 1).

Results of Model Calibration and Sensitivity Analysis

Model calibration is a procedure that compares the results of a model based on estimated input values to measured or known values. This procedure can be used to define model validity over a range of input values, or it helps determine the level of confidence with which model results may be used. As a matter of practice, groundwater flow models are usually calibrated using water elevation and/or flux. The sensitivity analysis quantifies the differences in model results produced by the natural variability of a particular parameter. Uncertainty analysis addresses the effects of poor data quality (lack of local detailed information or deficiencies in the data) on the model results. Together, sensitivity and uncertainty analyses are commonly

used to evaluate the effects that natural variability and uncertainties in the hydrogeologic data have on the size and shape of the capture zones. Regarding the WHPA delineation, these analyses are used to document that the delineation is optimal, conservative, and protective of public health based on existing information.

Model Calibration

A qualitative evaluation of the calibration can be made by comparing the simulated potentiometric surface (Figure 2) with observed water level targets obtained from the CWI database. Upon review the calibrated flow model generally captures the major features of the groundwater flow system along with the elevation, shape, magnitude, and gradient of the CWI database observed flow field.

A quantitative measure by which to evaluate the success obtained during calibration is to compare the root mean square of the residuals (RMSE) and the maximum observed head difference of the calibration dataset. The Brainerd model was refined from a larger regional model of the watershed. For this reason, the calibration dataset is relatively large and included water level information from more than 10,000 existing wells located throughout the watershed, including wells located in the vicinity of the Brainerd wellfield. The residual root mean square (RMS) error of the calibration well set was approximately 2.3 meters with a normalized RMSE of approximately four percent. It is noted that this error is less than the calibration target of 10 percent (Groundwater Calibration Policy, 2018). The calibration targets (wells) with the greatest residual difference between measured and simulated heads were generally at locations beyond the contribution area to the utility's wells.

Sensitivity Analysis

Model sensitivity is the amount of change in model results caused by the variation of a particular input parameter. The orientation and extent of modeled capture zones may be very sensitive to any of the input parameters:

- The **pumping rate** directly affects the volume of the aquifer that contributes water to the well. An increase in pumping rate leads to an equivalent increase in the volume of aquifer and an expanded capture zone, proportional to the porosity of the aquifer materials.

How Addressed and Results – The pumping rate is based on the results presented in Table 5 and, therefore, is not considered a variable factor that will influence the delineation of the WHPA. The modeled pumping rate is based on the largest annual pumping during the last five years of record, as shown in Table 5, and therefore the sensitivity of the delineation to this parameter is assumed to be minimal when compared with the other parameters discussed below.

- The **direction of groundwater flow** determines the orientation of the capture zone. Variations in the direction of groundwater flow will not affect the size of the capture zone but are important for defining the areas that are contributing water to the well.

How Addressed and Results – General flow direction was determined based upon static water levels of similarly screened wells in the area of the model. Overall, the sensitivity of the WHPA to the direction of groundwater flow should not be significant, given the current knowledge of the hydraulic head distribution in the aquifer.

- The **hydraulic gradient** (along with aquifer hydraulic conductivity) determines the rate at which water moves through the aquifer materials.

How Addressed and Results – The flow field shown in Figure 2 provides the basis for determining the extent to which each model run reflects the conceptual understanding of the orientation of the capture area for each well. The regional model has been calibrated to hydraulic heads. The sensitivity of the WHPA to the hydraulic gradient should not be significant given the current knowledge of the hydraulic head distribution in the aquifer.

- The **hydraulic conductivity** influences the size and shape of the capture zone. A decrease in hydraulic conductivity decreases the length of the capture zone and increases the distance to the stagnation point, making the capture zone more circular in shape and centered on the well.

How Addressed and Results – Initial hydraulic conductivity was calculated from specific capacity and aquifer tests conducted throughout the region and geostatistically smoothed across the model domain, with values near the well field reflecting those obtained from the utility's wells. Two additional model runs were performed wherein the hydraulic conductivity was decreased/increased by 50 percent within five miles of the wellfield to account for the reduced values generally observed for this parameter away from the utility's well field and the uncertainty in the specific capacity calculation. This resulted in capture zones that were 11 percent smaller and 14 percent larger than the initial calibrated case, respectively.

- The **aquifer porosity** influences the size and shape of the capture zone.

How Addressed and Results – Decreasing the porosity causes a linear, proportional increase in the areal extent of the capture zone. A literature value of 25 percent was used for the delineation and this value was not varied (Fetter, 2001).

- The **aquifer thickness** influences the size and shape of the capture zone.

How Addressed and Results – Final aquifer thicknesses used in this model were the result of a multi-step statistical analysis. A cross-sectional analysis was done to determine the thicknesses of the aquifer at well points throughout the modeled extent. Layer thicknesses were interpolated between wells and unrealistic values were identified and disposed of at all steps by comparing with

adjacent well data, where available, and by using hydrogeologic judgment. As a result, the model layering closely follows the overall stratigraphy through the region. For this reason, it was determined unnecessary to further assess aquifer thickness at this time.

Addressing Model Uncertainty

Using computer models to simulate groundwater flow involves representing a complicated natural system in a simplified manner. Local geologic conditions may vary within the capture areas of the public water supply wells, but the amount of existing information needed to accurately define this degree of variability is often not available for portions of the WHPA. In addition, the current capabilities of groundwater flow models may not be sufficient to represent the natural flow system exactly. However, the results are valid within a range defined by the reasonable variation of input parameters for this delineation setting.

The steps employed for this delineation to address model uncertainty were:

1. **Pumping Rate** – For each well, a maximum historical (five-year) pumping rate or an engineering estimate of future pumping, whichever is greater (Minnesota Rules, part 4720.5510, subpart 4).
2. **Aquifer Hydraulic Conductivity** – Hydraulic conductivity was adjusted plus and minus 50 percent within five miles of the Brainerd wellfield.
3. **Connectedness of Local Surface Water Features** - The connectedness of local surface water features, including Little Buffalo Creek, Buffalo Creek and area wetlands can have an impact on the orientation and shape of the capture zones. However, connectivity is challenging to characterize given available information. For this delineation, connectivity between local surface water features and the aquifer, as represented by conductance values, were adjusted plus and minus 50 percent.
4. **Aquifer Recharge** – For water-table aquifers, aquifer recharge due to precipitation can be variable from year to year. For example, from 2015 to 2019, precipitation in the Brainerd area ranged 28.7 to 39.8 inches/year. With potential climate change impacts, precipitation may even have sharper swings in the future. For this delineation, aquifer recharge was adjusted plus and minus 50 percent across the entire model domain.

Capture areas were developed for a range of hydraulic conductivities and times of travel of one and 10 years (Figure 6). As the model code uses constant input values for each run, several runs were required to include all variations in input parameters. Table 7 documents the variables used to address MODFLOW uncertainty.

Table 7 - Model Parameters Used in MODFLOW Base Case and Uncertainty Runs

Model Run	Capture Zone File Name (name_particle file)	Basin Discharge	Hydraulic Conductivity	Connectivity with Local Surface Water Features	Vertical Recharge	Comment
Calibrated Steady State (Base Case)	Base	None	Base Case	Base Case	Base Case	
Base Case with Treatment Plant Discharge to Basin	Base_Discharge	Water treatment plant (WTP) discharge to basin	Base Case	Base Case	Base Case	Capture zones very similar in size and location compared to base case.
Hydraulic Conductivity Decreased 50%	k50_Discharge	WTP discharge to basin	All hydraulic conductivities decreased 50% within 5 miles of the wellfield	Base Case	Base Case	One year zones of all the wells in the main wellfield (Wells 3–7) <u>intersect the basin.</u> Overall widest and shortest 10-year capture zones.
Hydraulic Conductivity Increased 50%	k150_Discharge	WTP discharge to basin	All hydraulic conductivities increased 50% within 5 miles of the wellfield	Base Case	Base Case	Overall longest 10-year capture zones.
Decreased Connectivity to Surface Water Features	C50_Discharge	WTP discharge to basin	Base Case	Decreased conductances 50% of local surface water features	Base Case	Overall smaller capture zones compared to the base case.
Increased Connectivity to Surface Water Features	C150_Discharge	WTP discharge to basin	Base Case	Increased conductances 50% of local surface water features	Base Case	Capture zone slightly narrower and longer compared to the base case.
Recharge Decreased 50%	R50_Discharge	WTP discharge to basin	Base Case	Base Case	Recharge decreased 50% across the model domain	Capture zone is slightly smaller and shifted to the north.
Recharge Increased 50%	R150_Discharge	WTP discharge to basin	Base Case	Base Case	Recharge increased 50% across the model domain	Capture zone is slightly larger in size and slightly shifted southward.

Conjunctive Delineation

The vulnerability of the DWSMA is high in the vicinity of the wellfield and the ERA; therefore, according to current MDH guidance, the need for a conjunctive delineation must be assessed.

Based on information from local well records, the geologic sensitivity of the water table aquifer is considered high. Isotopic and general chemistry data indicate that the Brainerd wells are receiving a significant portion of young water impacted by human activities (Table 2). A monitoring project was undertaken where the Brainerd wells, nearby wetlands, and Little Buffalo Creek were monitored seasonally for one year (from June 2017 to May 2018) for the stable isotopes of water and other general chemistry parameters. The results indicated that most of the wells by the wetlands were receiving a portion of surface water during at least one season of the year of monitoring. Well #7 received the largest percentage of surface water of all the wells, while Well #8 received little or no surface water during monitoring (Appendix B). In addition, the combined one-year capture zone boundaries for Wells #3- #7 also intersect the nearby wetlands. Consistent with MDH guidance regarding conjunctive delineations, a surface water contribution area was proven necessary and incorporated into the WHPA delineation (MDH, 2019). Local catchment area boundaries, lidar data, and soils information were used to map the SWCA to the wetlands.

The new SWCA is smaller than the previous one. This is primarily because the previous SWCA was mapped relative to the Little Buffalo Creek and potential runoff to the high vulnerable areas of the WHPA. Well #8 is located near the creek and previous modeling efforts indicated the possibility of surface water contribution to the well by the creek. However, the results of the monitoring project do not necessarily support a strong connection between Well #8 and the creek. In addition, the one-year particle tracking results of the recent modeling effort show that the pathlines do not terminate at the creek, rather they travel beneath the creek. For these reasons, a SWCA was not included for Little Rock Creek.

Delineation of the Drinking Water Supply Management Area

The boundaries of the Drinking Water Supply Management Area (DWSMA) were defined by the Brainerd Public Utilities using the following features (Figure 1):

- Center-lines of highways or roads
- Local Unit of Government boundaries
- Public Land Survey coordinates
- Property lines

Summary of Comparisons Between the Previous (2011) and Current WHPA and DWSMA Delineations

Overall, the new DWSMA is about 30 percent smaller than the previous delineation. This is primary due to changes in the 10-year capture zone boundaries and the elimination of the SWCA for Little Buffalo Creek. With the previous delineation effort, a single layer analytic

element groundwater model was used. The geometry of the water table aquifer was simulated using nested inhomogeneities that were oriented along the long axis of the buried bedrock valley. Under base case scenarios, the capture zones resembled the current ones in shape and location. However, under certain model scenarios, well capture zone pathlines corresponded to the boundaries of the inhomogeneities, allowing a north-south component of recharge to the wells. For the current delineation, a sophisticated 3-layer groundwater model was developed using MODFLOW. Kriging and PEST enhanced local geologic information to estimate the boundaries of the water table aquifer.

There has also been a significant change in the location of the SWCA. The former SWCA represented potential runoff to the highly vulnerable areas of the WHPA and to Little Buffalo Creek. However, the results of the monitoring project did not show a strong connection between Well #8 and Little Buffalo Creek, so it was determined that a SWCA for Little Rock Creek wasn't necessary for this amendment. On the other hand, monitoring did indicate a fairly strong connection between the main wellfield and the nearby wetlands. For this reason, the current SWCA represents the catchment area to the wetlands. Comparison between the old (2011) and the new (2021) protection areas are shown in Figure 7.

Vulnerability Assessments

The Part I wellhead protection plan includes the vulnerability assessments for the Brainerd Public Utilities wells and DWSMA. These vulnerability assessments are used to help define potential contamination sources within the DWSMA and select appropriate measures for reducing the risk that they present to the public water supply.

Assessment of Well Vulnerability

The vulnerability assessments for each well used by Brainerd Public Utilities are listed in Table 1 and are based upon the following conditions:

1. The construction record of Well #8 (403973) meets current State Well Code specifications (Minnesota Rules, part 4725), meaning that the well itself should not provide a pathway for contaminants to enter the aquifer used by the public water supplier. However, it is unknown whether construction standards are met for Wells #3 - #7 because information for these older wells is not available with respect to well grouting.
2. The geologic sensitivity of the aquifer at the well sites ranges from high to very high because of the lack of a significant thickness of clay-rich geologic materials over the aquifer.
3. Tritium isotopic results from the Brainerd wells indicate that the aquifer is dominated by modern recharge. Such aquifers have the potential to be impacted by human activities and are considered potentially vulnerable to contamination.
4. The chloride and chloride/bromide ratio results from water samples collected from the wells indicates impact by human activities occurring on the land surface (Table 2).

Assessment of Drinking Water Supply Management Area Vulnerability

The vulnerability of the DWSMA is shown in Figure 7 and is based upon the following information:

1. Well geologic sensitivity ratings, the surficial geologic map, and isotopic and water chemistry data from wells located within the DWSMA were used to delineate the boundaries between the high and moderate vulnerability areas (Figure 8). Wells with low geologic sensitivity ratings indicate the presence of at least 10 feet of clay between the land surface and the sand aquifer serving the city wells. Moderate geologic sensitivities correspond to wells that have at least 20-feet of mixed till, such as silty- or sandy-clay till. Wells with high sensitivity ratings indicate the absence of any significant till layer between the land surface and the aquifer.

There are a couple of wells within the high vulnerability area that have either a low or moderate geologic sensitivity rating. Rather than map isolated areas of alternate vulnerabilities, it was decided to place more weight on the outwash sand boundaries shown on the surficial geologic map and classify the entire region as highly vulnerable.

In the moderate vulnerability area, most of the wells have low geologic sensitivity ratings. However, isotopic data from several wells with similar geology, but located just beyond the DWSMA boundary, had measurable tritium indicating that there was young water present despite a significant thickness of clay-rich till. For this reason, the aquifer vulnerability rating was raised from low to moderate to reflect that the till is probably leaky.

2. Isotopic and water chemistry data from the Brainerd PWS wells indicate the aquifer used by the wells is dominated by modern recharge. This information, when combined with the geologic sensitivity ratings described above, suggest that the vertical time of travel for water moving from the land surface to the aquifer may be no more than a few years at most in the highly vulnerable areas, and years to decades where the vulnerability is moderate.

Therefore, given the information currently available, the vulnerability of the aquifer used by the BPU wells has been determined to be high in the western part of the DWSMA and moderate in the eastern part of the DWSMA.

Recommendations

The following recommendations have been generated to inform the next amendment of the Brainerd Public Utilities' Wellhead Protection Plan.

1. **Well Locating:** This delineation is based on very little well data. If new wells are constructed east of the Mississippi River and within one mile of the utility's wells, their locations should be verified. This information may allow a better understanding of the extent and thickness of the aquifer serving the BPU wells and could result in a more refined WHPA in the future.
2. **Planning for a Replacement Well(s):** - According to MDH records, several of the BPU wells are more than 70 years old. The BPU may want to include measures in their amended WHP Plan to take steps to prepare for the replacement of one or more of the older wells. The measures might include: the drilling of a test well(s), water quality sampling, and capacity testing.
3. **Water Quality Monitoring:** The standard assessment monitoring package should be analyzed during year six, including the primary wells and wetlands, contingent on funding assistance from MDH for sampling and analysis. The utility may need to collect the samples and ship them to MDH. Information generated by this sampling will be used to refine vulnerability assessments for the next amendment.

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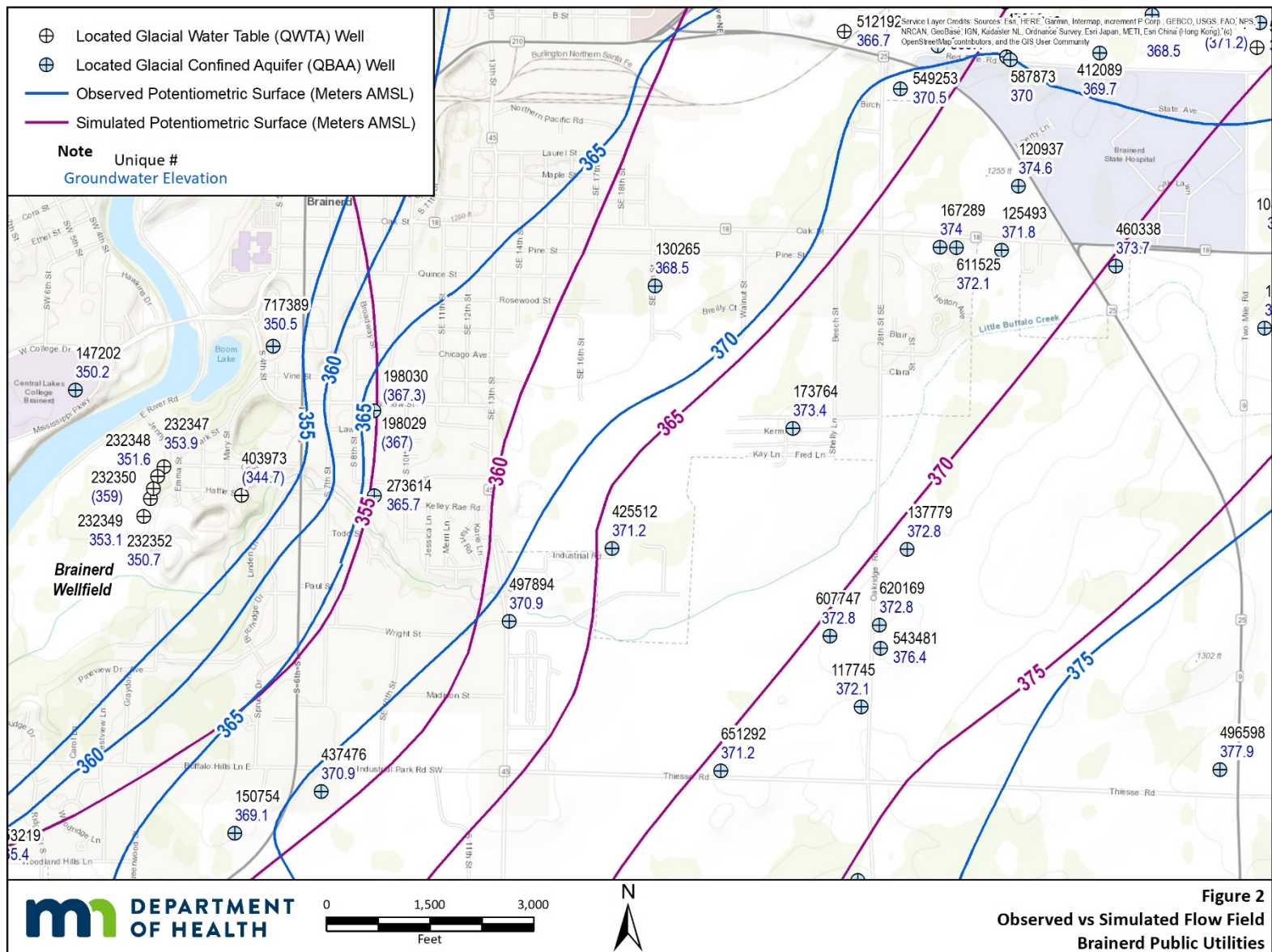
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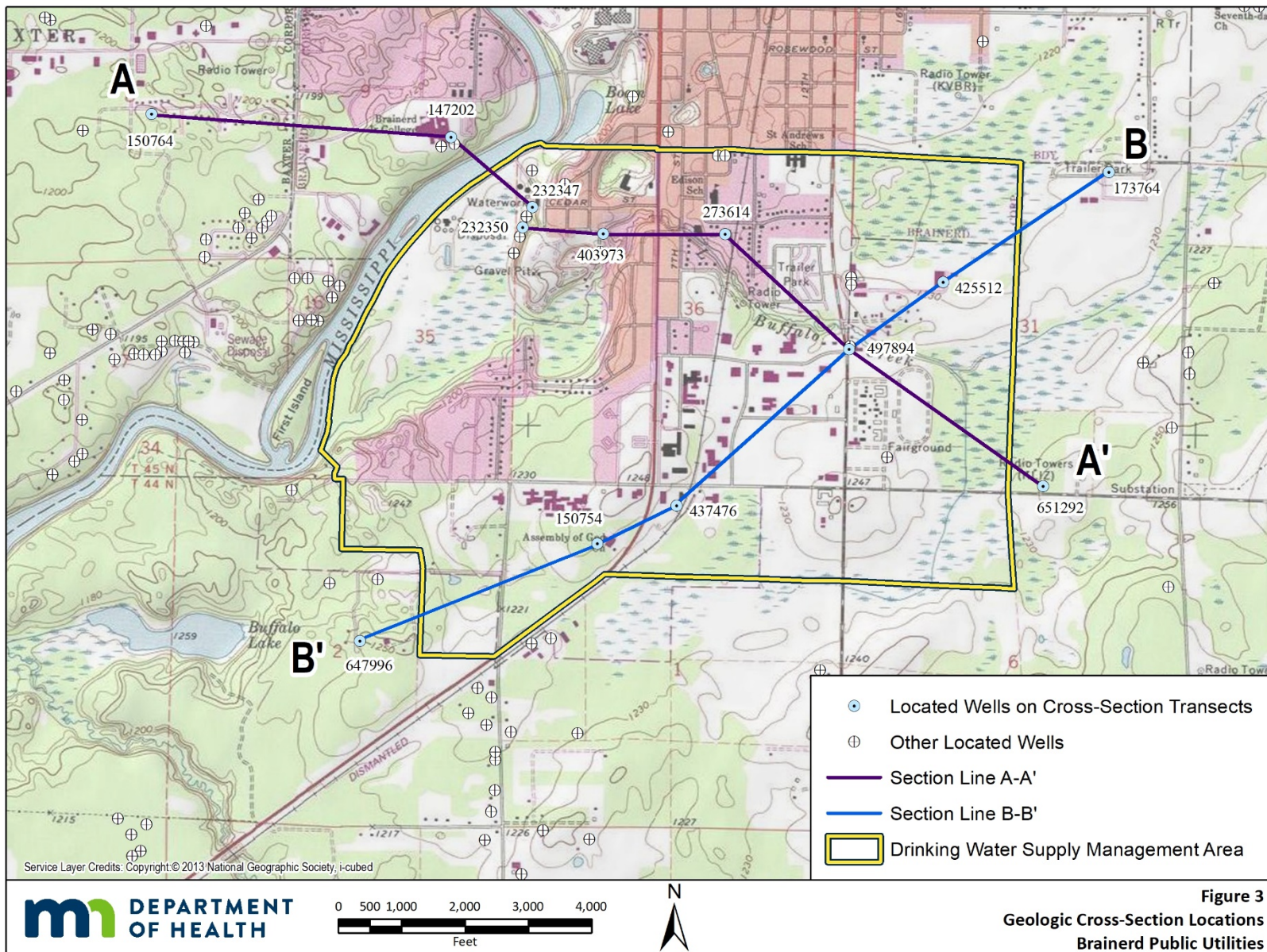
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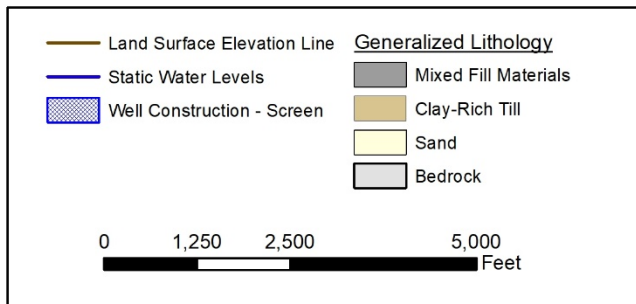
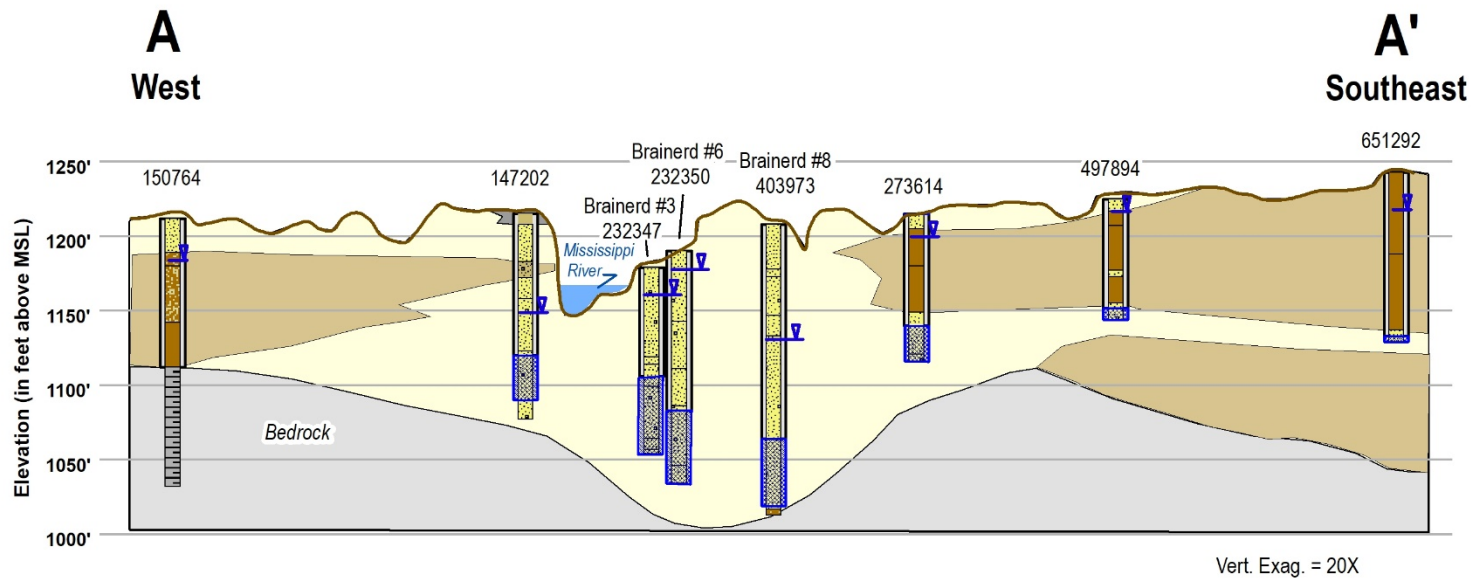
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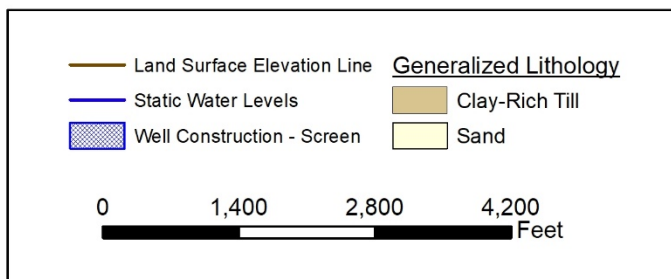
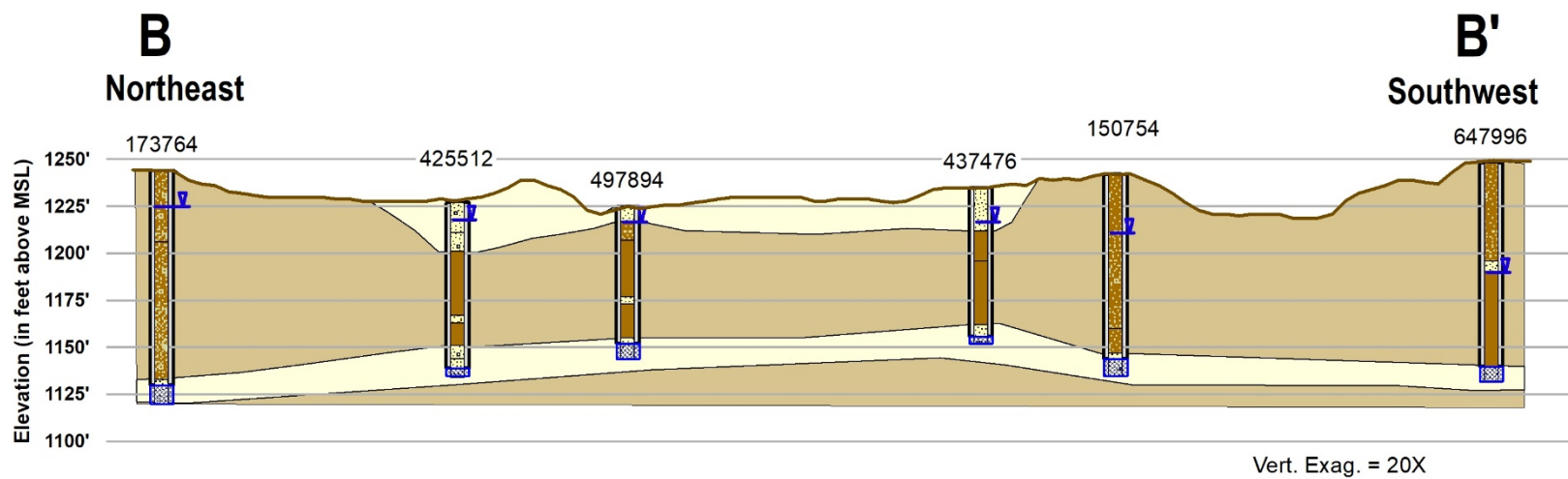
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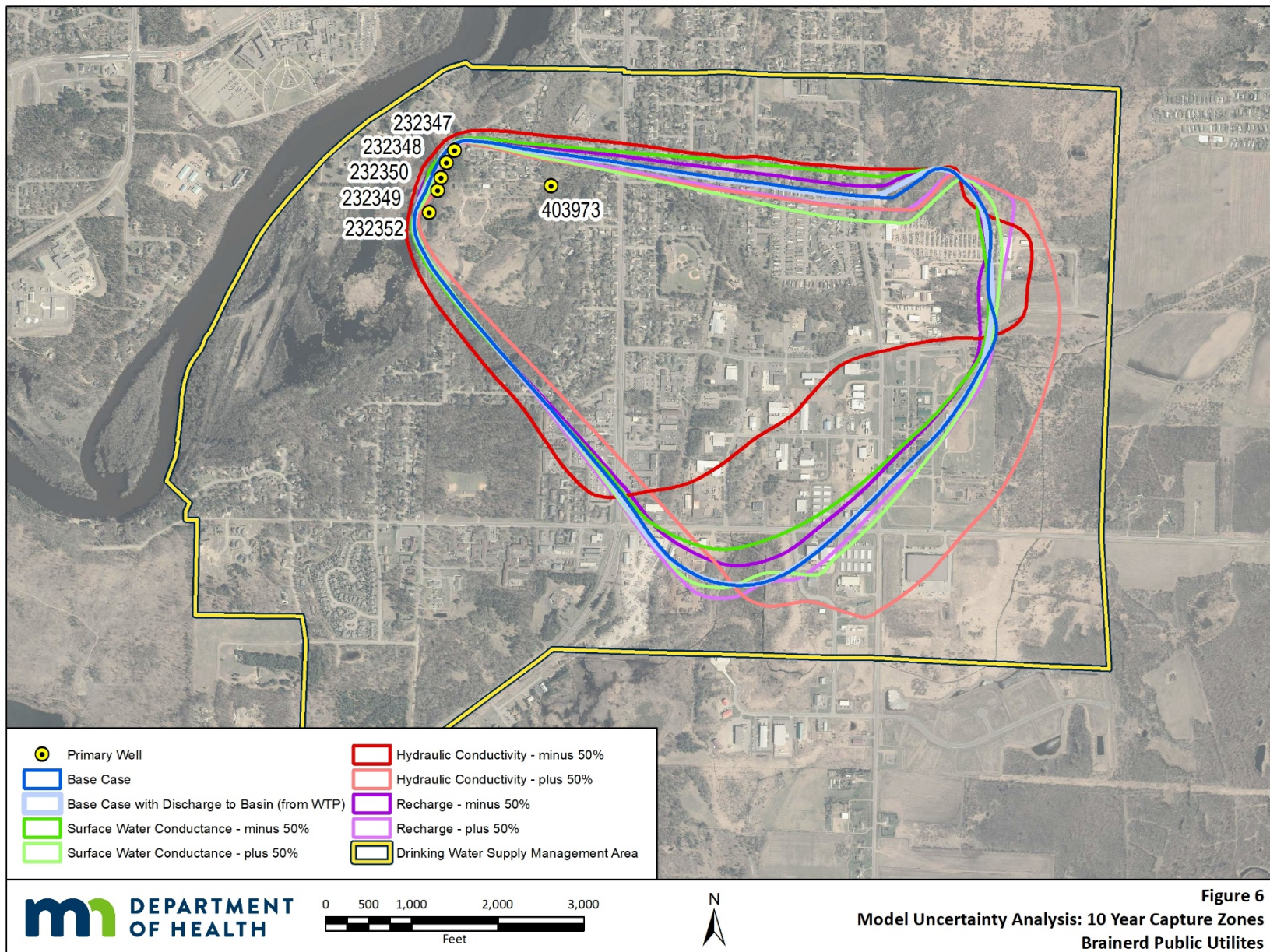
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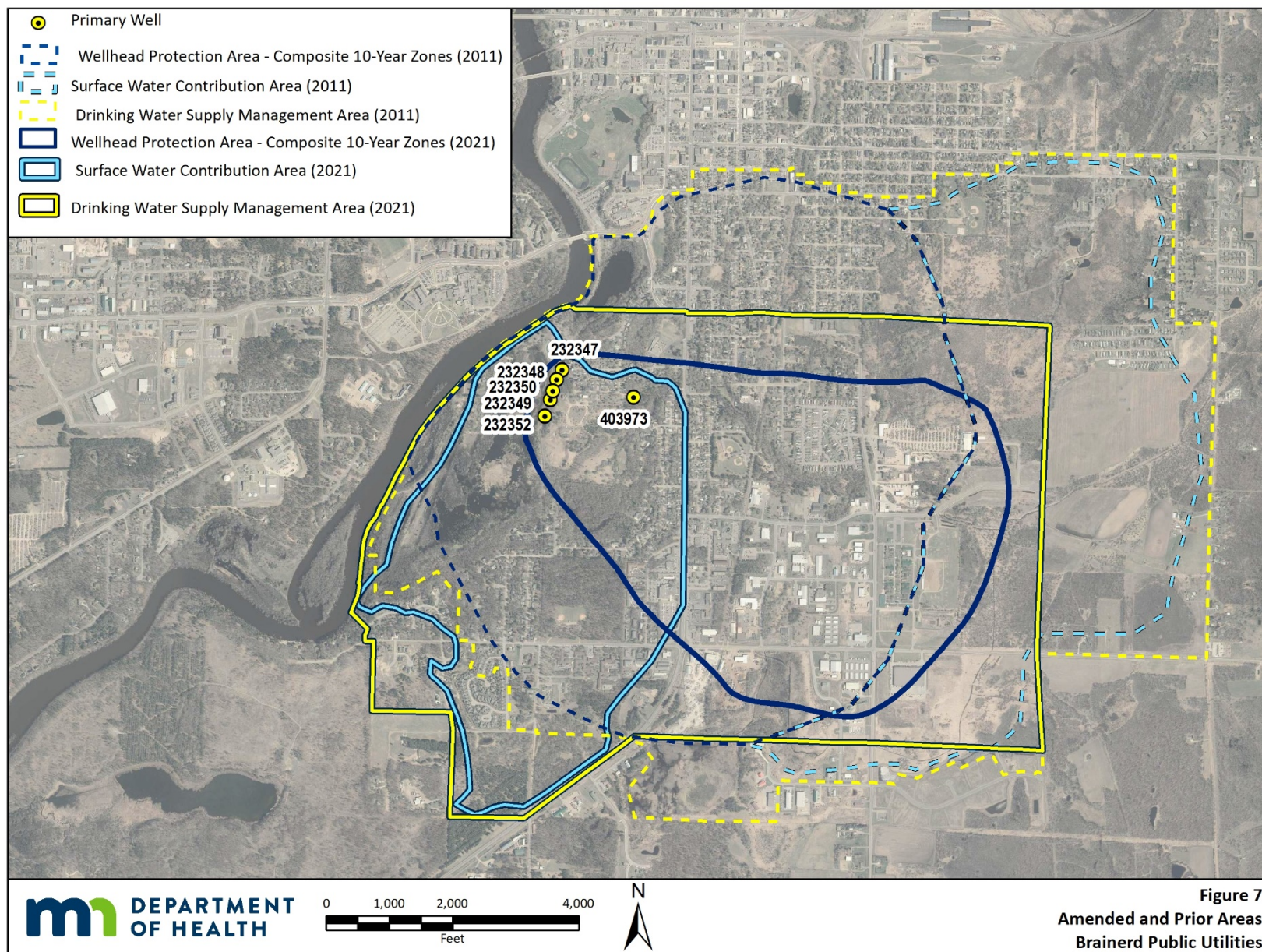


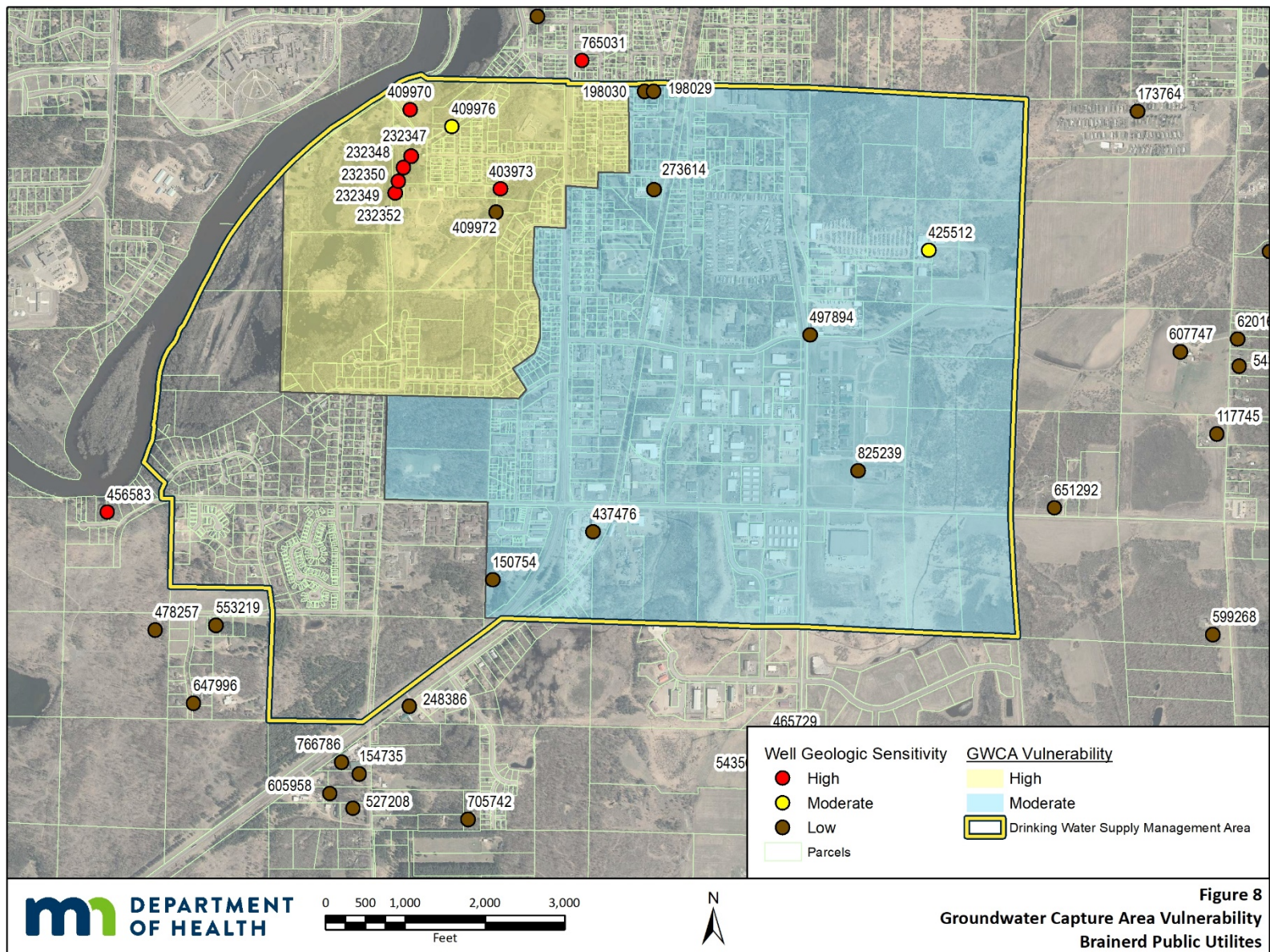












Appendix A: Data Elements Assessment

Data Type	Data Element	Use of the Well(s)	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	Data Source
Climate	Precipitation	M	M	M	M	MN Climatology Office
Geology	Maps and geologic descriptions	H	H	H	H	MGS, DNR, USGS
Geology	Subsurface data	H	H	H	H	MGS, MDH
Geology	Borehole geophysics	M	H	H	H	No relevant data found.
Geology	Surface geophysics	M	M	M	M	No relevant data found.
Soils	Maps and soil descriptions	M	H	M	M	NRCS
Soils	Eroding lands					
Water Resources	Watershed units	L	H	L	L	DNR, USGS
Water Resources	List of public waters	L	H	L	L	DNR
Water Resources	Shoreland classifications					
Water Resources	Wetlands map	L	H	L	L	USFWS
Water Resources	Floodplain map					
Land Use	Parcel boundaries map	L	H	L	L	Crow Wing County
Land Use	Political boundaries map	L	H	L	L	MnGEO, City
Land Use	Public Land Survey map	L	H	L	L	MnGEO
Land Use	Land use map and inventory					
Land Use	Comprehensive land use map					
Land Use	Zoning map					
Public Utility Services	Transportation routes and corridors	L	L	L	L	MnDOT, MnGEO
Public Utility Services	Storm/sanitary sewers and PWS system map					
Public Utility Services	Oil and gas pipelines map					
Public Utility Services	Public drainage systems map or list	L	H	L	L	MnGEO, DNR
Public Utility Services	Records of well construction, maintenance, and use	H	H	H	H	City, CWI, MDH
Surface Water Quantity	Stream flow data	L	H	H	H	USGS

Data Type	Data Element	Use of the Well(s)	Delineation Criteria	Quality and Quantity of Well Water	Land and Groundwater Use in DWSMA	Data Source
Surface Water Quantity	Ordinary high water mark data	L	H	L	L	DNR
Surface Water Quantity	Permitted withdrawals					
Surface Water Quantity	Protected levels/flows					
Surface Water Quantity	Water use conflicts	L	H	L	L	No relevant data found)
Groundwater Quantity	Permitted withdrawals	H	H	H	H	DNR
Groundwater Quantity	Groundwater use conflicts	H	H	H	H	No relevant data found)
Groundwater Quantity	Water Levels	H	H	H	H	No relevant data found)
Surface Water Quality	Stream and lake water quality management classifications					
Surface Water Quality	Monitoring data summary	L	H	L	L	MDH
Groundwater Quality	Monitoring data	H	H	H	H	MPCA, MDH, MDA, USGS
Groundwater Quality	Isotopic data	H	H	H	H	MDH, DNR
Groundwater Quality	Tracer studies	H	H	H	H	No relevant data found.
Groundwater Quality	Contamination site data	M	M	M	M	No relevant data found.
Groundwater Quality	Property audit data from contamination sites					
Groundwater Quality	MPCA and MDA spills/release reports	M	M	M	M	No relevant data found.

Definitions Used for Assessing Data Elements

- High (H): the data element has a direct impact
- Moderate (M): the data element has an indirect or marginal impact
- Low (L): the data element has little if any impact
- Shaded: the data element was not required by MDH for preparing this delineation

Acronyms used in this report are listed after the Glossary of Terms.

Appendix B:
Wellhead Protection
Monitoring Plan Results
(August 2020)

Wellhead Protection Monitoring Plan Results

FOR BRAINERD PUBLIC UTILITIES

August 2020

Minnesota Department of Health
Source Water Protection
PO Box 64975
St. Paul, MN 55164-0975
651-201-4691
gail.haglund@state.mn.us
www.health.state.mn.us

Upon request, this material will be made available in an alternative format such as large print, Braille or audio recording. Printed on recycled paper.

Monitoring, Data Collection and Assessment Measures

A monitoring plan was developed for Brainerd Public Utilities to outline a framework for addressing field monitoring, data collection, and assessment measures stated in the Wellhead Protection Plan. These measures are provided on page 14 of the Part 2 plan and are summarized below:

Measure 1: Prepare a groundwater and surface water monitoring plan to assess the relationship between the aquifer used by the Brainerd wells and potential sources of surface water recharge.

Measure 2: Implement and evaluate results of the groundwater quality or water level monitoring plan and assess results with the MDH.

* **Measure 3:** Prepare a groundwater monitoring plan to confirm the low vulnerable rating of the aquifer in the east portion of the DWSMA.

Measure 4: Implement and evaluate results of the groundwater monitoring plan and assess results with MDH.

*Note: Although the monitoring plan included an action step to address Measure 3, the monitoring team was unable to gain access to an existing well in the low vulnerable portion of the DWSMA during the period of monitoring. If deemed useful, this measure can be advanced to be included in the city's wellhead plan amendment.

Background: Well Construction and Use

The Brainerd public water supply obtains its drinking water supply from six primary wells. The wells range between 123 feet to 187 feet deep. Table 1 summarizes the construction information of the wells.

Table 1 - Water Supply Well Information

Local Well ID	Unique Number	Use/ Status ¹	Casing Diameter (inches)	Casing Depth (feet)	Well Depth (feet)	Date Constructed/ Reconstructed	Aquifer	Well Vulnerability
3	232347	P	16	73	125	1939	Sand & Gravel	Vulnerable
4	232348	P	16	73	123	1944	Sand & Gravel	Vulnerable
5	232349	P	16	105	145	1947	Sand & Gravel	Vulnerable
6	232350	P	16	107	156	1947	Sand & Gravel	Vulnerable
7	232352	P	20	88	157	1955	Sand & Gravel	Vulnerable
8	403973	P	16	144	187	1984	Sand & Gravel	Vulnerable

Note: 1. Primary (P) Well

The monitoring plan was implemented over four quarters, from June 2017 to May 2018. The water use for the wells prior to and during the monitoring period is provided in Table 2. Over the course of monitoring, the maximum pumping volume occurred at Well 7, while the lowest volume occurred at Well 5. The city's water appropriations permit number is 1977-3523.

Table 2 – Water Use Information

Well Name (Unique Well No.)	March – June 2017 (MG)	Percent Volume	June – September 2017 (MG)	Percent Volume	October-January 2017-198 (MG)	Percent Total Volume	February-May 2018 (MG)	Percent Volume	Total Pumping Volume (MG)
3 (232347)	23.2	11.1	27.8	11.4	26.7	14.6	27.718	14.5	105.43
4 (232348)	28.0	13.4	34.4	14.1	26.2	14.3	26.483	13.9	115.10
5 (232349)	23.1	11.1	21.6	8.8	14.9	8.1	25.641	13.4	85.28
6 (232350)	34.9	16.8	41.0	16.8	35.1	19.2	30.189	15.8	141.22
7 (232352)	64.5	30.9	78.3	32.1	53.6	29.3	52.349	27.4	248.79
8 (403973)	34.7	16.7	41.0	16.8	26.6	14.5	28.509	14.9	130.91
System Total	208.53		244.14		183.16		190.889		826.71

Treatment Plant Discharge - Another variable recognized during the period of monitoring is the discharge from the treatment plant to the seepage basin, located immediately adjacent to Wells 3-7. Although the seepage basin is also classed as a wetland, the public water supply reports that the treatment plant backwashes approximately 500,000 gallons weekly at a discharge location near Wells 3 and 4. The discharge volume is equivalent to approximately 26 million gallons/year. There is a gated culvert between the discharge basin and the south wetland. The public water supply reports that the gate is closed to prevent the wetland from flowing into the basin.

Field Monitoring

Quarterly water samples were collected at the Brainerd wells and several surface waters by MDH and Brainerd public works staff. The dates of monitoring were selected to be representative of Minnesota seasons, including: summer (June 13, 2017); fall (September 25, 2017); winter (January 10-19, 2018); and spring (May 15, 2018). Table 3 describes the monitoring sites and parameters; Figure 1 shows the locations of the wells and the surface water sites. Samples were not collected for all of the laboratory or field parameters during

every monitoring event. In addition, the full suite of field parameters were also not measured during every monitoring event.

Table 3. Sampling Locations and Analytes Relating to Measures 1, 2, and 4

Sample Site	Unique/SWS Number	Parameters
Well 3	232347	Chloride (EPA 300.1) Bromide (EPA 300.1) Nitrate/Nitrite (EPA Sm 4500-NO3F) Total Organic Carbon (SM 5310C) Ammonia Nitrogen (EPA 350.1) Sulfate (EPA 300.1) Alkalinity (SM 2320B) Bacteria (1 Q - surface water sites only) Tritium (Well 4 only) Stable Isotopes
Well 4	232348	
Well 5	232349	
Well 6	232350	
Well 7	232352	
Well 8	403973	
Little Buffalo Creek Near W8	SWS 261	
Little Buffalo Creek Upstream of W8	SWS 483	
Discharge Basin/Wetland	SWS 260	
Wetland South of the Wellfield	SWS 493	
Mississippi River	SWS 262	<u>Field Parameters</u> Temperature Conductivity Eh DO pH

Assessment of Monitoring Results

The results for the tritium isotopes and general chemistry from groundwater and surface water sources are presented in Table 4. Field parameter measurements are presented in Table 5, and bacteria results from the single round of sampling at surface water features are presented in Table 6. The quarterly results for a number of parameters are shown in Figures 2-10. For simplification, not all of the parameters are presented in table or chart format.

Table 4. Summary General Chemistry and Tritium

Sample Site	Date	Bromide (mg/l)	Chloride (mg/l)	Cl/Br Ratio	Nitrate + Nitrite Nitrogen (mg/L)	Ammonia Nitrogen (mg/l)	Total Organic Carbon (mg/l)	Sulfate (mg/l)	Alkalinity (mg/l)	Tritium (TU)
Well 3 (232347)	6/13/2017	0.0475	32.1	676	0.22	0.12	3.3	35.2	280	6.03 2/3/2016
	9/25/2017	0.0453	34.3	757	0.24	0.11	3.6	36.3	280	
	1/10/2018	0.0448	34.4	768	0.23	0.11	3.1	33.8	280	
	5/15/2018	0.0457	33.5	733	0.24	0.11	3.4	32.6	270	
Well 4 (232348)	6/13/2017	0.0415	21	506	0.32	0.09	2.3	33.5	260	4.6 6/13/2017
	9/25/2017	0.0405	22.1	546	0.36	0.08	2.2	33.5	270	
	1/10/2018	0.0405	22.9	565	0.34	0.08	2.1	30.3	260	
	5/15/2018	0.0431	23.3	541	0.31	0.09	2.3	36.1	260	
Well 5 (232349)	6/13/2017	0.0297	22.9	771	0.09	0.24	3.4	10.1	200	7.99 6/10/2015
	9/25/2017	0.0276	23.5	851	0.08	0.24	3.8	9.7	200	
	1/10/2018	0.0305	24	787	0.05	0.22	3.1	8.8	200	
	5/15/2018	0.0303	25.2	832	0.07	0.24	3.7	10.6	200	
Well 6 (232350)	6/13/2017	0.0351	26.8	764	0.13	0.1	2.2	15.5	210	8.5 9/20/2010
	9/25/2017	0.0322	27.9	866	0.18	0.1	2.2	16.3	220	
	1/10/2018	0.0344	28.9	840	0.17	0.1	1.9	15.0	210	
	5/15/2018	0.0336	26.5	789	0.19	0.1	2.2	15.6	220	
Well 7 (232352)	6/13/2017	0.0222	13.7	617	< 0.05	0.25	8	6.1	170	7.0 9/20/2010
	9/25/2017	0.0197	14.9	756	< 0.05	0.21	8.1	5.5	170	
	1/10/2018	0.0207	14.4	696	< 0.05	0.24	8	4.1	170	
	5/15/2018	0.022	14.7	668	< 0.05	0.22	8.4	4.3	170	
Well 8 (403973)	6/13/2017	0.0283	39	1378	1.2	< 0.05	1.2	16.8	190	4.9 9/20/2010
	9/25/2017	0.0277	40.9	1477	1.3	< 0.05	1.1	17.9	200	
	1/10/2018	0.0289	42.5	1471	1.3	< 0.05	1.3	10.6	200	
	5/15/2018	0.0286	41.1	1437	1.3	< 0.05	1.5	12.5	190	
Little Buffalo Creek Near W8 (SWS 261)	6/13/2017	0.0116	8.07	696	0.35	0.16	12	5.3	78	
	9/25/2017	0.0154	8.32	540	0.19	< 0.05	22	3.1	58	
	1/10/2018	0.0181	13.6	751	0.7	0.12	3.9	10.9	170	
	5/15/2018	0.0186	11.3	608	0.35	0.11	11	6.9	120	
Buffalo Creek Upstream of W8 (SWS 483)	6/13/2017	0.013	7.97	613	0.47	0.12	17	8.9	95	
	9/25/2017	0.0104	6.59	634	0.22	< 0.05	23	3.2	44	
	1/10/2018	0.0178	10.1	567	1.2	0.15	6	12.4	150	
	5/15/2018	0.0173	10.5	607	0.47	0.18	14	6.6	94	
Discharge Basin (SWS 260)	6/13/2017	0.0226	22.1	978	< 0.05	< 0.05	7	6.1	160	
	9/25/2017	0.0214	21.7	1014	< 0.05	< 0.05	6.7	33.0	160	
	*1/19/2018	*0.0131	*50	*3817	*< 0.05	*2.8	*140	*12	NS	
	5/15/2018	0.0207	22.4	1082	< 0.05	< 0.05	6.4	9.2	150	
Wetland South of Wellfield (SWS 493)	6/13/2017	0.0184	16.9	918	< 0.05	0.1	14	2.1	140	
	9/25/2017	0.0141	27.4	1943	0.11	0.07	23	16.2	62	
	1/19/2018	0.0241	21.1	876	0.51	0.26	11	21.0	NS	
	5/15/2018	0.0208	15.5	745	0.08	< 0.05	11	5.8	140	
Mississippi River (SWS 262)	6/13/2017	0.0081	4.48	553	0.05	0.09	12	3.6	100	
	9/25/2017	0.0111	4.57	412	0.13	< 0.05	16	3.8	100	
	1/19/2018	0.0089	6.6	742	0.11	0.08	9.8	5.1	NS	
	5/15/2018	0.0082	3.79	462	< 0.05	< 0.05	12	2.9	90	

Notes

< - Indicates result below detection limit.

NS - indicates sample not taken.

* - indicates a likely unrepresentative water sample; results are excluded from charts.

Table 5. Summary of Field Measurements

Sample Site	Date	Temperature (°C)	Specific Conductivity (umhos/cm)	pH	Dissolved Oxygen (mg/L)	Eh (mV)
Well 3 (232347)	6/13/2017	9.2	699	6.79	0.66	-39.9
	9/25/2017	9.4	700			
	1/10/2018	10.3	695			
	5/15/2018	9.8	695			
Well 4 (232348)	6/13/2017	9.4	626	6.99	0.94	-39.3
	9/25/2017	9.6	624			
	1/10/2018	11.5	632			
	5/15/2018	10.5	647			
Well 5 (232349)	6/13/2017	9.1	491	7.24	0.17	-94
	9/25/2017	10.1	485			
	1/10/2018	10.7	482			
	5/15/2018	9.5	499			
Well 6 (232350)	6/13/2017	8.9	538	7.15	0.49	-56.7
	9/25/2017	9	531			
	1/10/2018	9.9	530			
	5/15/2018	9.7	538			
Well 7 (232352)	6/13/2017	12.5	394	7.25	0.06	-119.5
	9/25/2017	9.4	384			
	1/10/2018	12.6	390			
	5/15/2018	13	403			
Well 8 (403973)	6/13/2017	10.6	547	7.2	7.79	77.7
	9/25/2017	9	542			
	1/10/2018	10.3	550			
	5/15/2018	11.4	543			
Little Buffalo Creek Near W8 (SWS 261)	6/13/2017	16	204	7.57	8.29	54.6
	9/25/2017	13	154			
	1/10/2018	3.8	373			
	5/15/2018	11.3	289			
Little Buffalo Creek Upstream of W8 (SWS 483)	6/13/2017	15.9	239	7.26	6.91	66.2
	9/25/2017	12.61	123			
	1/10/2018	4	358			
	5/15/2018	11.6	247			
Discharge Basin (SWS 260)	6/13/2017	20.4	402	7.47	4.61	10.5
	9/25/2017	12.7	371			
	1/19/2018	1	1216		2.56	74
	5/15/2018	15.9	394			
Wetland South of Wellfield (SWS 493)	6/13/2017	18.6	374	7.31	1.67	-110.9
	9/25/2017	12.2	159			
	1/19/2018	0.05	407		8.07	-59
	5/15/2018	13.1	348			
Mississippi River (SWS 262)	6/13/2017	21.5	224	7.4	6.85	120.4
	9/25/2017	16.3	225			
	1/19/2018	0.09	294		8.96	86
	5/15/2018	15.4	195			

Table 6. Summary of Coliform and E. Coli from Surface Waters

Sample Site	Date	PA TOTAL COLIFORM-DW (COLILERT)	MPN E COLI QT COLILERT (MPN/100mL)
Little Buffalo Creek Near W8 (SWS 261)	6/13/2017	24,000	2,800
Little Buffalo Creek Upstream of W8 (SWS 483)	6/13/2017	24,000	1,400
Discharge Basin (SWS 260)	6/13/2017	8,200	63
Wetland South of Wellfield (SWS 493)	6/13/2017	8,200	420
Mississippi River (SWS 262)	6/13/2017	14,000	460

Isotope Results

The analytical results indicate that most of the city wells are being recharged by modern age water, with concentrations and sampling dates ranging from 4.6 TU to 8.5 TU and from 2010 to 2017, respectively. The exception is Well 8, where the tritium results indicate that the well is being recharged by mixed age water. Mixed age water indicates a combination of modern and premodern water (Lindsey et. al, 2019).

The variability of the stable isotope results are indicating that most of the wells are subject to rapid or seasonal recharge of surface water from rainfall (Bowen and Revenaugh, 2003). In addition, the results indicate that during at least one or more monitoring event, the wells are likely receiving a contribution of water from a surface water feature(s). This is based on the evidence of evaporative signatures inferred by the isotope results, shown in Figures 2-4. The results from Wells 4 and 7 demonstrated the strongest evaporative signatures relative to surface water monitoring, though occurring during seasons off set compared to surface waters. The isotope results from Well 4 indicated an evaporative signature in all four monitoring events. The isotope results from Well 8 indicated an evaporative signature in only one of four monitoring events. A summary of the isotope results is provided in Appendix A.

Field Measurements

Field measurements of temperature and specific conductivity also suggest that several wells are more susceptible to seasonal variations and surface water contribution. Well 7 demonstrated the largest range in temperature, along with Wells 4 and 8. Well 6 demonstrated the lowest range in water sample temperature, along with Wells 3 and 5. The measurement range of specific conductivity was greatest in Well 4, followed by Wells 7 and 5. The specific conductivity values of water samples collected from Well 7 were the most similar to nearby surface waters, whereas the conductivity of water samples from the other wells were all significantly greater than Well 7 (ranging 24% to 82% higher).

Measurements of redox potential (Eh) and dissolved oxygen are useful for describing aquifer or surface water reducing or oxidizing capacity. The negative Eh and low dissolved oxygen measurements at Wells 3-7 are likely indicating that the aquifer is reducing and under anaerobic conditions at these locations. The positive Eh and higher dissolved oxygen measurements at Well 8 are indicating a significantly different aquifer environment compared to the other city wells, and is likely under aerobic conditions. All of the surface waters, except the wetland located south of the main wellfield, appear to also be under aerobic conditions. Measurements from the wetland indicate negative Eh values, but also higher dissolved oxygen measurements compared to the nearby city wells.

General Chemistry

During the period of monitoring, the chloride results from samples collected at Well 8 were consistently the highest, indicating a greater impact by chloride sources compared to other

wells and surface water features. The chloride results from Well 8 ranged 39 mg/l to 42.5 mg/l. The chloride results of the other wells ranged 13.7 mg/l to 34.4 mg/l. The results from the surface water features ranged 4.5 mg/l to 27.4 mg/l (excluding an anomalous result collected at the discharge basin during the winter quarter). All results are well below the secondary maximum contaminant levels (MCLs) and do not exceed safe drinking water standards.

The chloride/bromide ratio calculations follow a similar trend. The ratio of chloride to bromide can be used to assess whether or not water has been impacted by human activity. A chloride/bromide ratio above 250 suggests that the water has been impacted by human sources, but does not pose a direct threat to the safety of the drinking water source. The chloride/bromide ratio calculations vary between sample locations, but all are greater than 250, with the highest values measured at Well 8 and the discharge basin wetland feature near Wells 3-7. The chloride/bromide ratio at Well 8 exceeds 1300 and is indicative of aquifer contamination by road salt or water softener effluent. There was one occasion each where the chloride/bromide ratio exceeded 1300 at both the discharge basin and the south wetland features, though in different seasons. The lower values measured at Wells 3-7, Little Buffalo Creek, and the Mississippi River fall in the range of those expected when impacted by wastewater sources (septic systems or sewers) or agricultural sources such as potash fertilizer (Mullaney et. al, 2009).

Nitrate-nitrogen and ammonia nitrogen results are generally low among all samples sites. Nitrate results ranged from non-detectable (<0.05 mg/l) to 0.36 mg/l in Wells 3-7, with Well 7 consistently having no detectable nitrate-nitrogen. Nitrate values ranged 1.2 mg/l to 1.3 mg/l in Well 8. In comparison, ammonia nitrogen ranged between 0.08 mg/l to 0.25 mg/l in Wells 1-7, whereas there was no detectable ammonia nitrogen in samples collected from Well 8. These results are consistent with aquifer conditions characterized by the Eh and dissolved oxygen results at the wells.

The nitrate-nitrogen and ammonia nitrogen results for the surface water features were also low, though they varied between locations. Nitrate results from the combined surface water locations ranged between non-detectable (<0.05 mg/l) to 1.2 mg/l, with no detectable nitrate measured from the discharge basin (SWS 260) during all four sampling events. The highest nitrate result (1.2 mg/l) was measured during the winter quarter (January, 2018) from the Little Buffalo Creek site (SWS 483), which is located furthest upstream from Well 8. The highest nitrate results measured from the second Little Buffalo Creek site (SWS 261, near W8) and the wetland (SWS 493) also occurred during the winter season. The combined ammonia nitrogen results from the surface water locations ranged between non-detectable (<0.05 mg/l) to 0.26 mg/l, with no detectable ammonia measured from the discharge basin (SWS 260) [excluding the 1/19/2018 anomalous result]. The highest ammonia result (0.26 mg/l) was measured during the winter season from the wetland (SWS 493).

Total organic carbon (TOC) is a parameter that sometimes can be useful for identifying surface water contribution to wells, especially with respect to lakes and wetlands. For Wells 3-6 and 8, the TOC results were generally in the range found in Minnesota groundwater, with results ranging from 1.1 mg/l to 3.8 mg/l. Well 8 consistently had the lowest TOC result of all of the wells, followed by Wells 6 and 4. In comparison, Well 7 had consistently higher concentrations, ranging from 8.0 mg/l to 8.4 mg/l. The TOC results of the surface water features were higher than most of the wells and also more variable between seasons. The least variability as well as

the lowest TOC results were generally from the discharge basin wetland, ranging between 6.4 mg/l to 7 mg/l. The TOC results of the other surface water features were variable between monitoring events, ranging from 3.9 mg/l to 23 mg/l. TOC concentrations were lowest during the winter monitoring event (January 2018) for all of the surface water features, ranging between 3.9 mg/l to 11 mg/l. Except for the discharge basin, the TOC results were generally highest during the fall monitoring event, ranging from 16 mg/l to 23 mg/l.

Bacteria Monitoring of Surface Waters

In June 2017, the surface water features were also sampled for coliform bacteria and *E. coli*; the results are provided in Table 6. Coliform bacteria and *E. coli* were detected in all of the surface water features. The lowest concentrations were detected in the discharge basin wetland and the highest concentrations were detected in Little Buffalo Creek.

Monitoring for bacteria occurs regularly along the Brainerd water distribution system. During the period of monitoring that coincided with this plan (June 2017 to May 2018), no coliform bacteria was detected from distribution system sampling. The city wells are typically monitored for bacteria every 18 months, but the monitoring schedule did not coincide with the period of this monitoring plan. In general, coliform bacteria has not been detected from well water samples, except on two occasions. In 2019, coliform bacteria was detected in Well 7 using the PA Total Coliform-DW analytical technique (A.W. Research Laboratories). Well 7 was monitored again several times afterwards, and follow-up sampling indicated no presence of coliform bacteria. On another occasion in 2016, coliform bacteria was detected in Well 3 at a concentration of 1.0 MPN/100ml. This result was determined to be unconfirmed, because no coliform bacteria was detected when re-analyzed using the PA Total Coliform-DW technique.

Although the monitoring of bacteria was limited in scope, the results seem to point to an understanding that bacteria detected in nearby surface water features are not impacting the city wells. This scenario could potentially change under other circumstances. For example, if the pumping regimes were drastically altered, or perhaps if the concentration of bacteria in the surface waters escalated due to an unusually long, wet season.

Summary

The results of the monitoring plan are useful for informing the amendment to the city's wellhead protection plan. The results are indicating that the wells are being impacted by rapid recharge of young water. In addition, the results indicate that during at least one or more monitoring event, all of the wells are likely receiving a contribution of water from a surface water feature(s). This is based on the evidence of evaporative signatures inferred by the isotope results. The results from Well 7 and Well 4 demonstrated the strongest evaporative signatures, though occurring during seasons off set compared to nearby surface waters. The field measurements of temperature and specific conductivity, as well as elevated TOC results, suggest a fairly strong connection between Well 7 and the wetland located south of the city wells.

One year capture zones of past groundwater modeling efforts suggest a fairly strong connection between Wells 3-6 with the discharge basin. The stable isotope results indicate a degree of connection with surface water, but not necessarily a strong evaporative signature as compared to Well 7. The weakening of the evaporative signature could potentially be explained by the weekly occurrence of treatment plant discharge to the basin. The chemistry of the discharge water represents a potential mix from all six of the city wells. In addition, the regular contribution of the discharge water may disrupt the formation of an evaporative signature at the basin, especially during the summer and fall seasons.

Well 8 is offset from the other five city wells and is in close proximity to Little Buffalo Creek. Past modeling efforts indicated a potential connection between Well 8 and the creek. However, the results of the monitoring plan do not necessarily support a strong connection. An evaporative signature was observed in only one of the four monitoring events, even though the creek samples indicated a fairly strong evaporative signature during two of four monitoring events. The evaporative signature at Well 8 occurred in the spring season, while the evaporative signature of the creek samples occurred during the summer and fall seasons. This could be indicating a lag time between of the evaporative signature between the creek and the well. The monitoring results also indicate that Well 8 is being impacted by chlorides, whereas the impact of chlorides to the creek is significantly less. In addition, Well 8 consistently had the lowest TOC results of all the sampled waters, whereas the results of the creek samples ranged between 3.9 mg/l to 23 mg/l. All of this information will be useful for informing future groundwater modeling of this well's capture area.

Selected References

Bowen, G.J., and Revenaugh, J. (2003), *Interpolating the isotopic composition of modern meteoric precipitation*. Water Resources Research 29, 1299, doi:10.129/2003WR002086.

Lindsey, B.D., Jurgens, B.C., and Belitz, K., (2019), *Tritium as an indicator of modern, mixed, and premodern groundwater age*, U.S. Geological Survey Scientific Investigations Report 2019–5090, 18 p.

Mullaney, J.R., Lorenz, D.L., and Arntson, A.D. (2009), *Chloride in groundwater and surface water in areas underlain by the glacial aquifer system, northern United States*, Scientific Investigations Report, 2009-5086, U.S. Geological Survey, Reston, Va., 41 p.

WELLHEAD PROTECTION MONITORING PLAN RESULTS

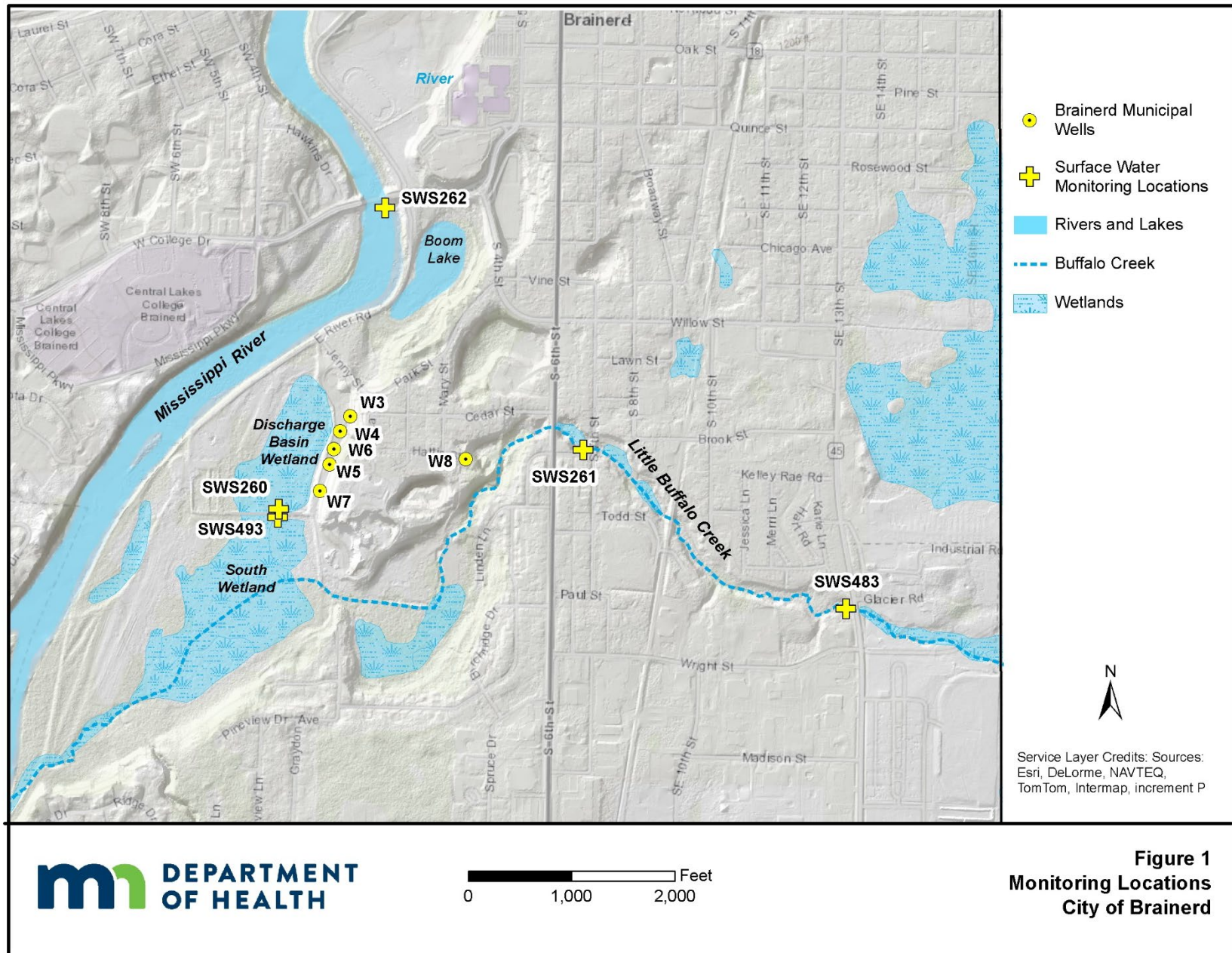


Figure 2. Plot of 18O Monitoring Results

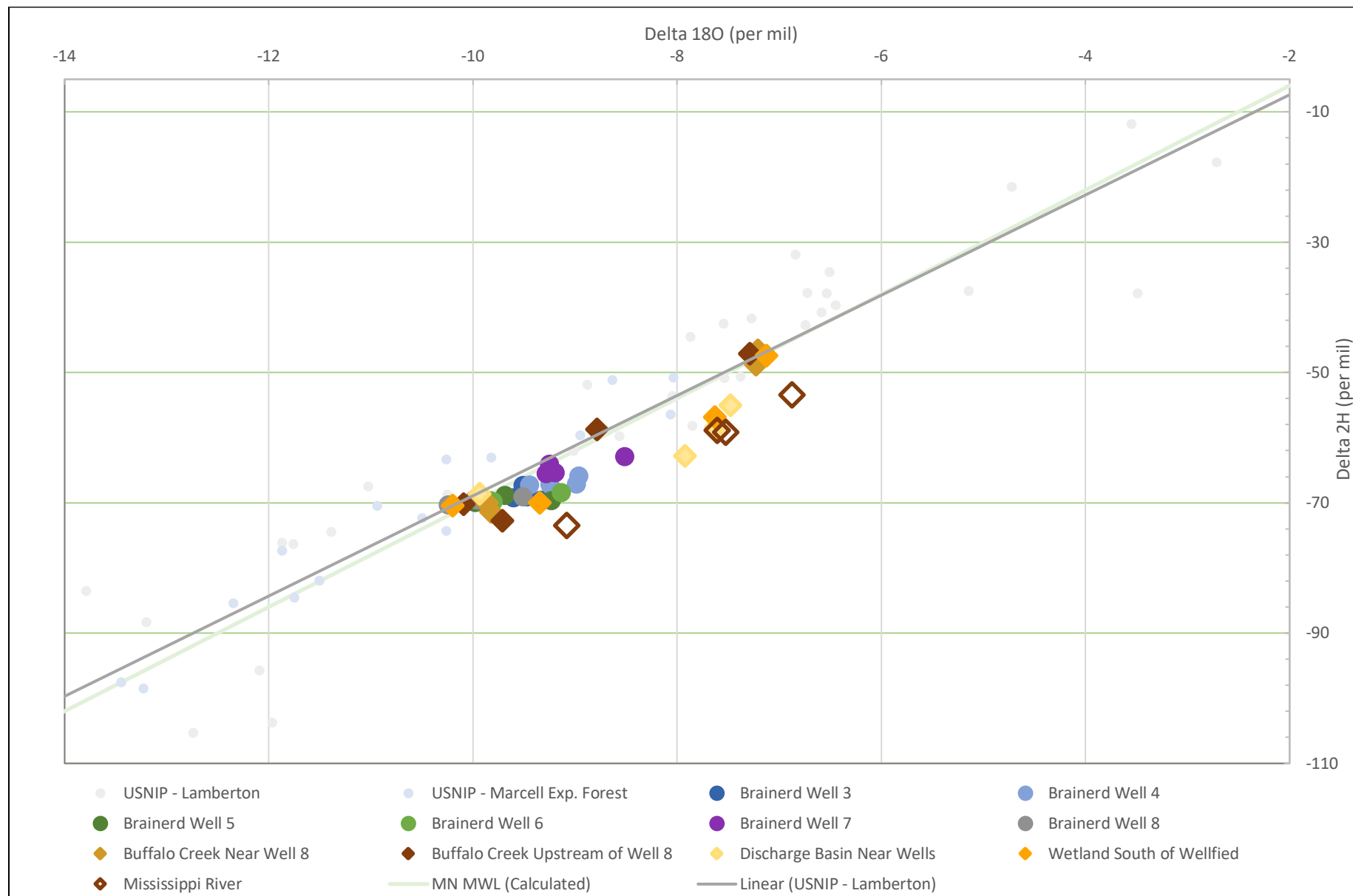
Figure 3. Combined Four Quarters of Stable Isotope Monitoring

Figure 4. Quarterly Stable Isotope Results

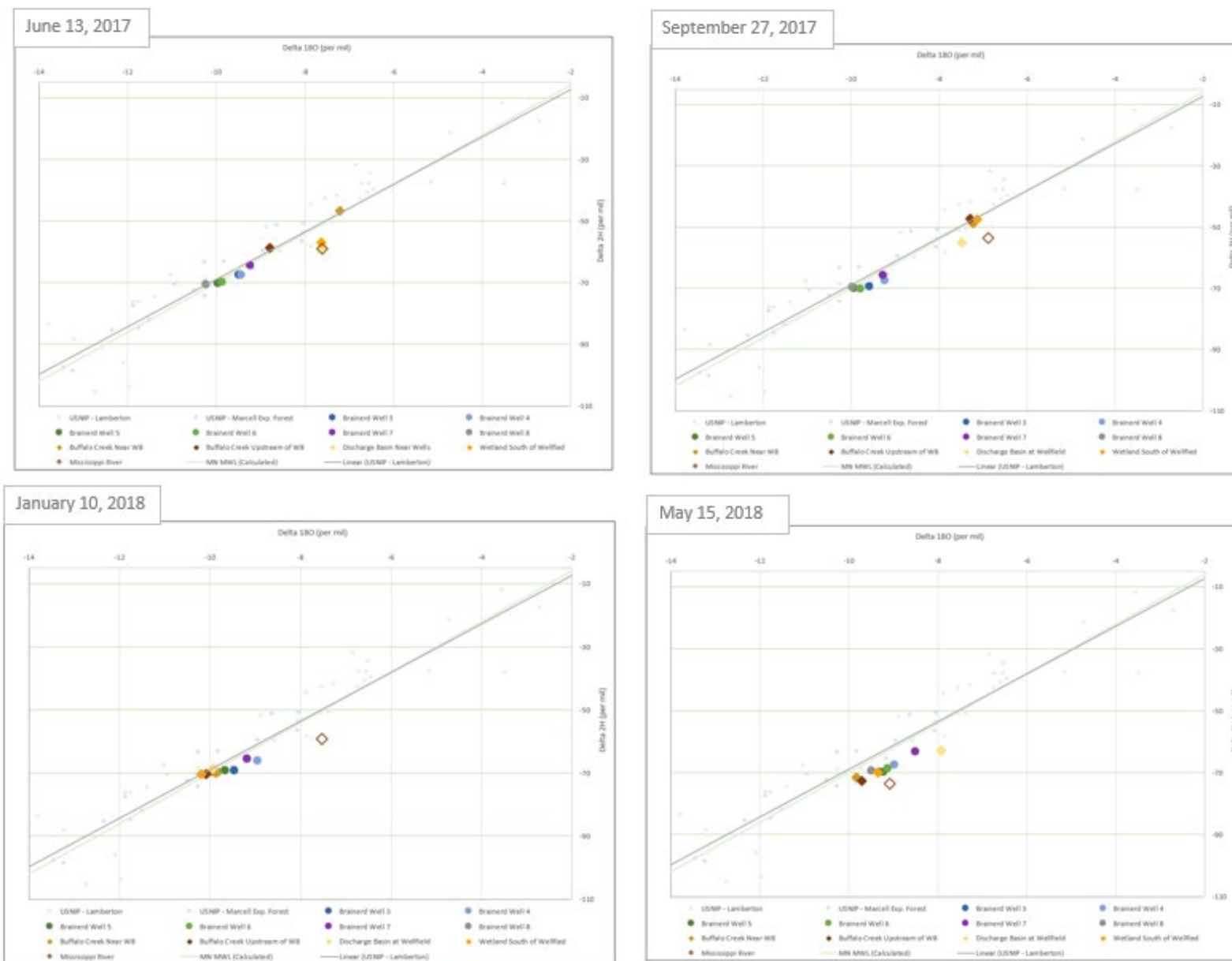


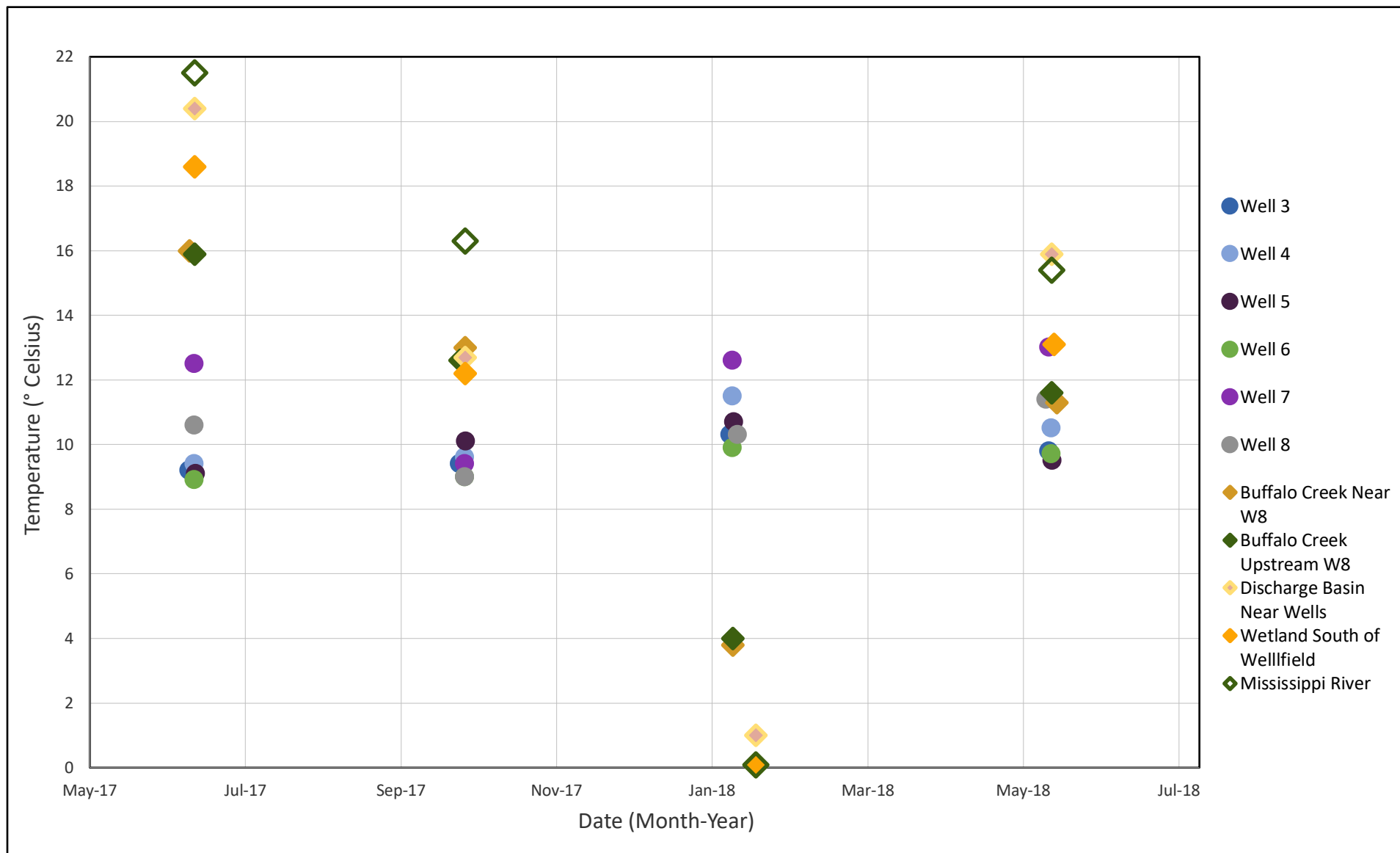
Figure 5. Plot of Field Temperature (°C) Results

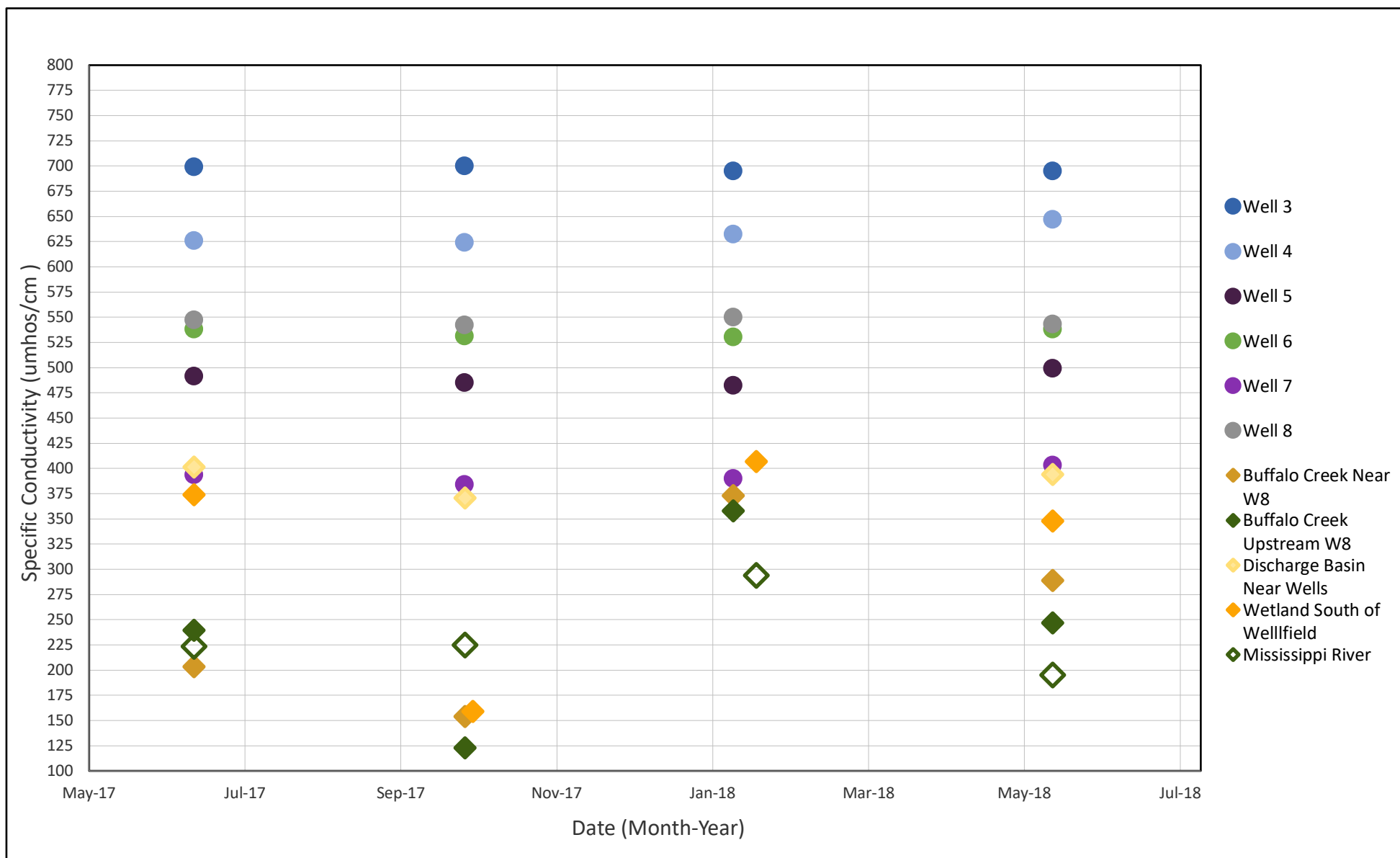
Figure 6. Plot of Field Specific Conductivity (umhos/cm) Results

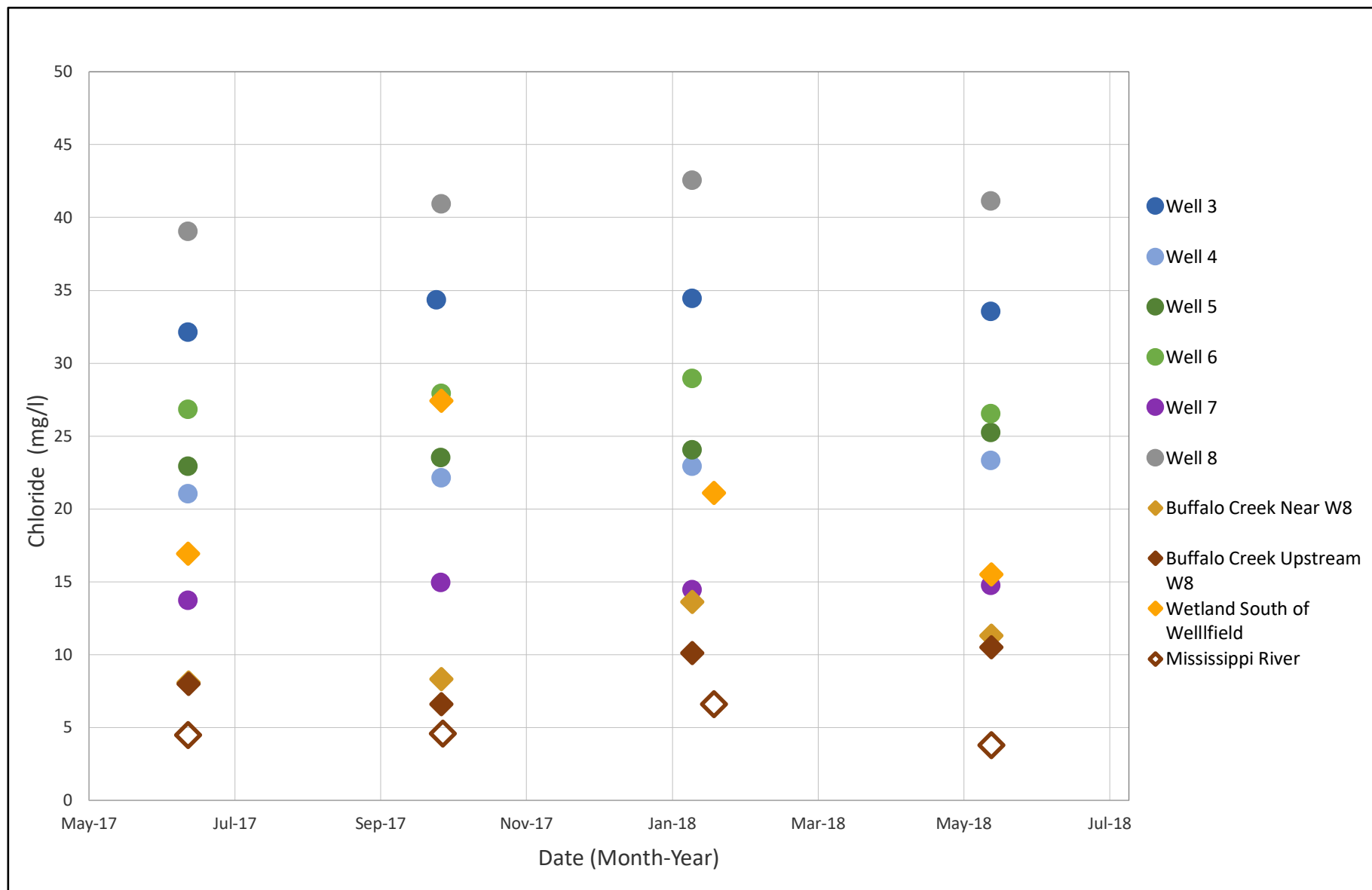
Figure 7. Plot of Chloride (mg/l) Results

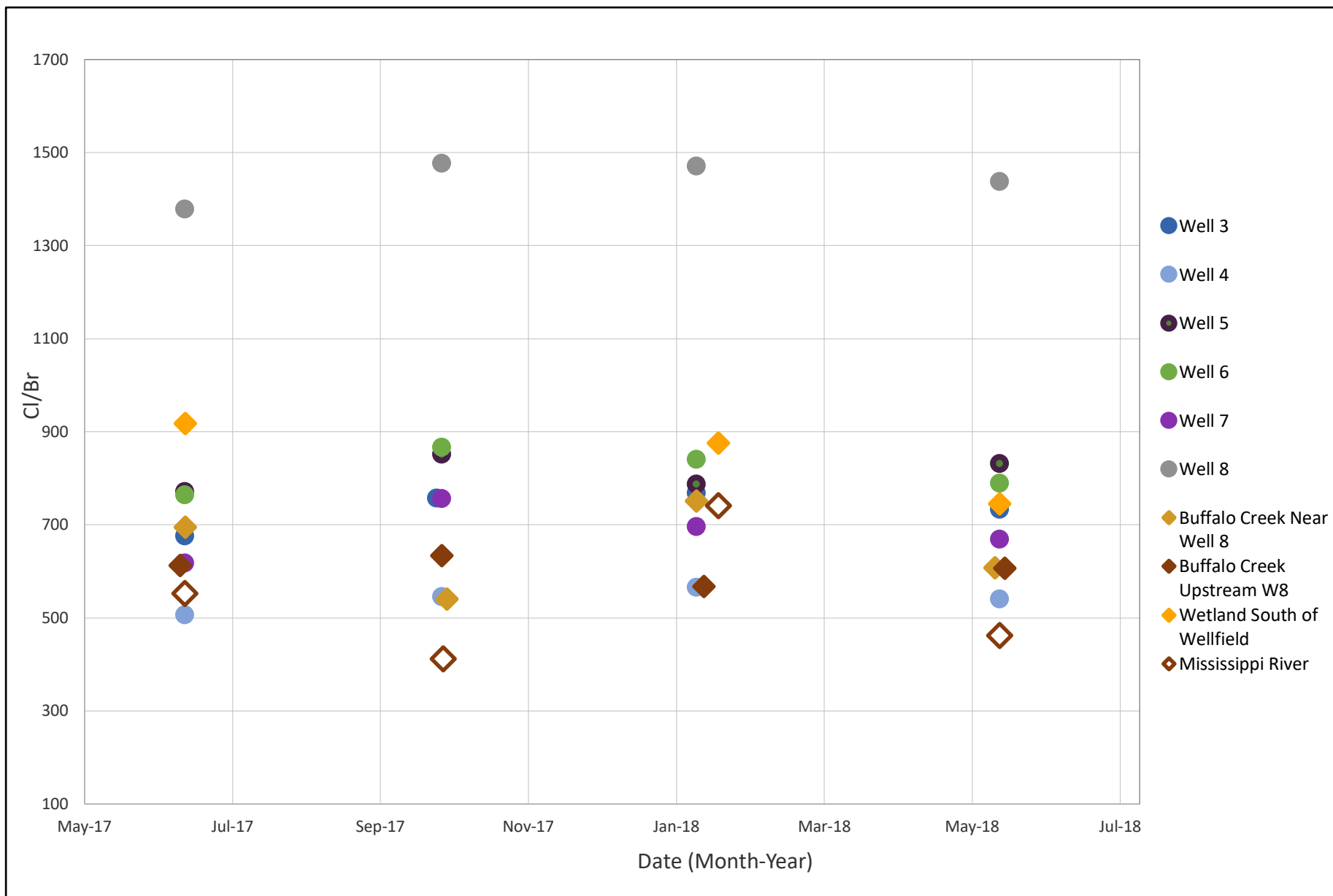
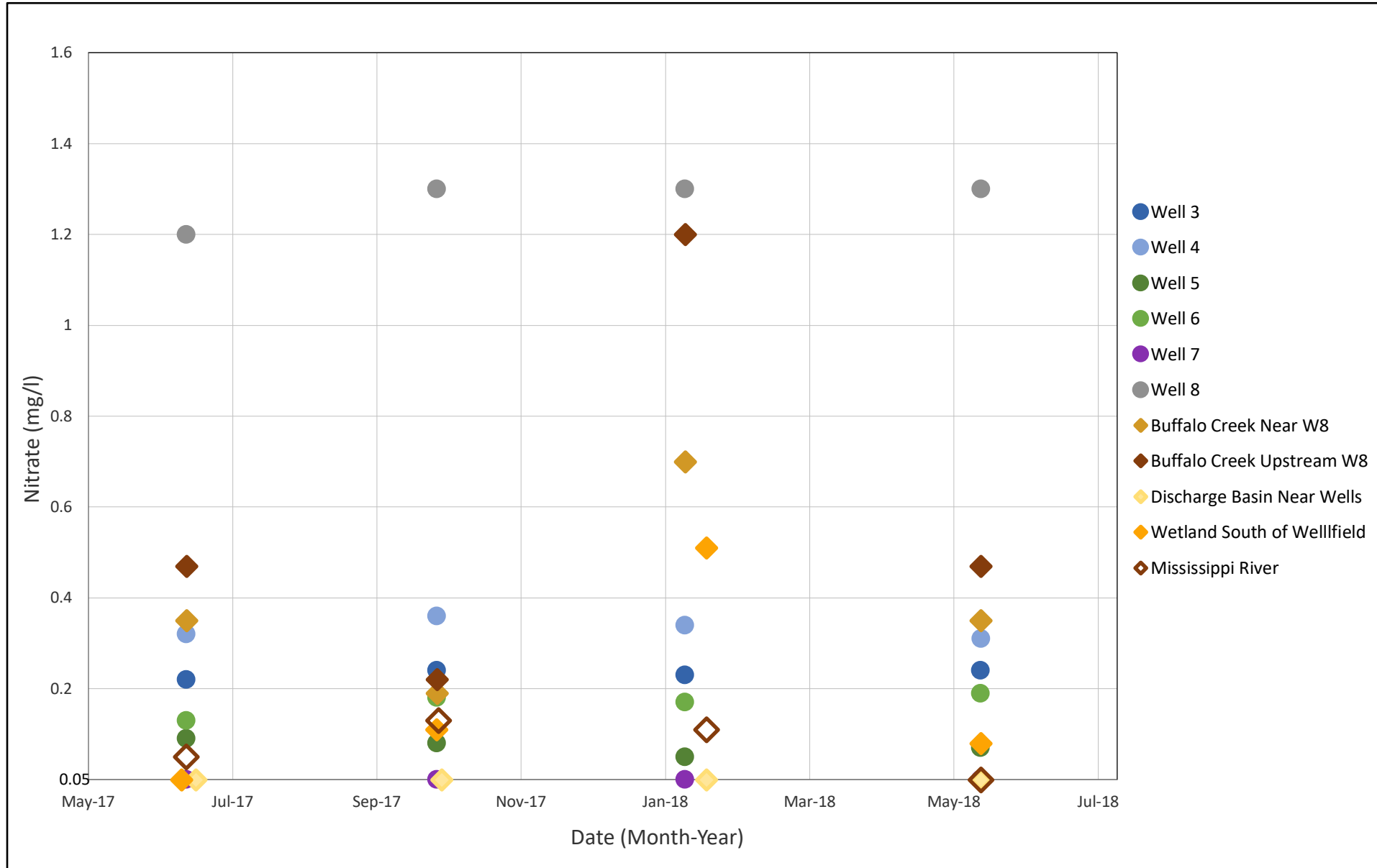
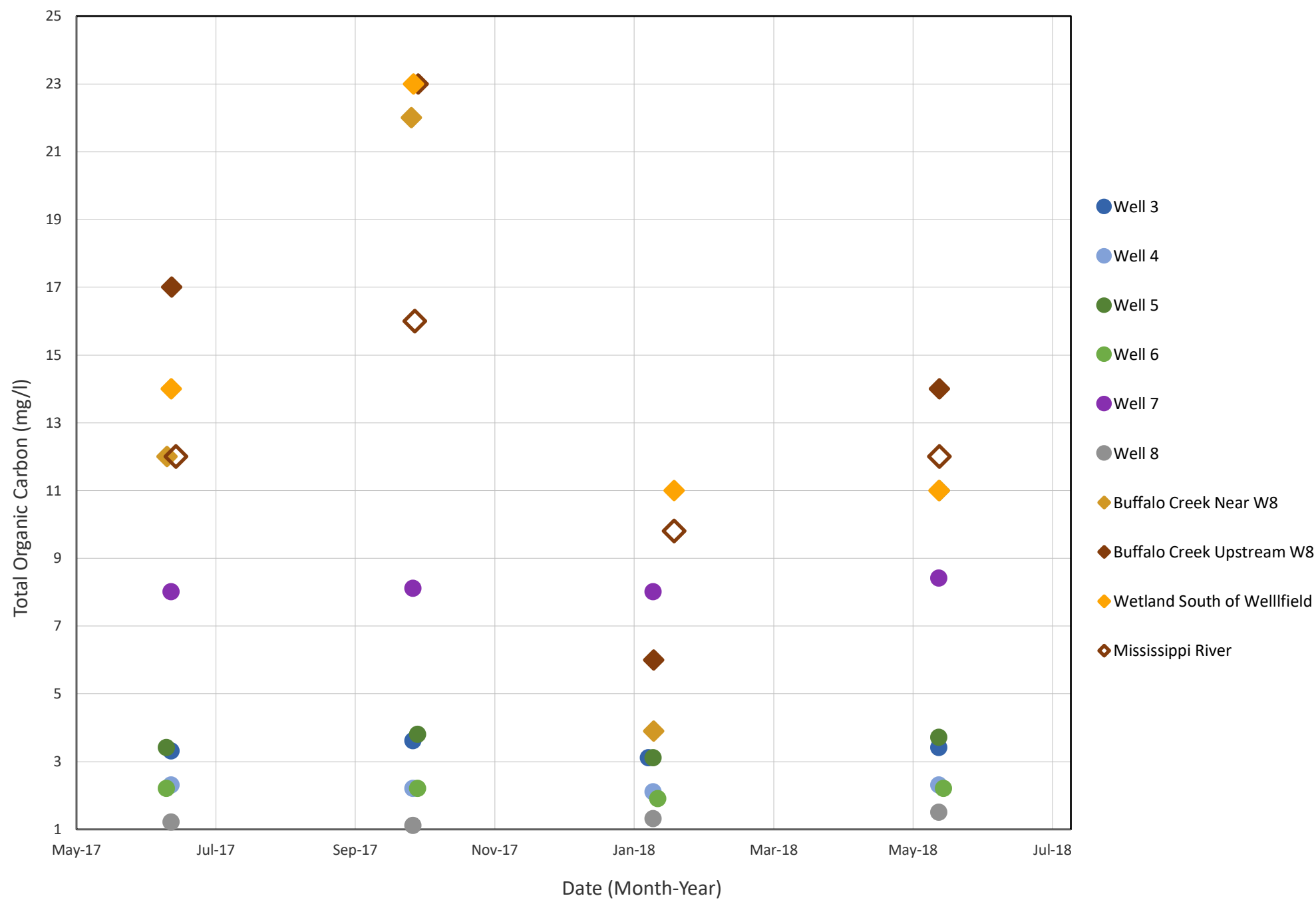
Figure 8. Plot of Chloride/Bromide Results

Figure 9. Plot of Nitrate (mg/l) Results

WELLHEAD PROTECTION MONITORING PLAN RESULTS



Appendix A

Summary of Isotope Analyses

Table 1: ¹⁸O Summary Information

ID (link to Table 2)	No. of Samples	Minimum Value	Maximum Value	Mean Value	Coeff. of variation (CV) ¹	Do 1 or more samples show evidence for evaporated surface water? (#)	% of samples showing evidence for evaporated surface water	% evap SW times the mean LC Excess*	% rank of the % evap SW times the mean LC Excess* (include s Virus Study wells: 91 wells total)	Open water (sq.m.) in 1 year Capture Zone	Open water (sq.m.) in 10 year Captur e Zone	Primary Groundwater Classification	Most conservative Geologic Sensitivity	Most recent Tritium result	Temporal Variability	Vertical Hydraulic Gradient Mean	Surface Water Impact Assessment
0000232347 (1180002S01)	4	- 9.596595	- 9.328805	-9.47420975	1%	Yes (3 of 4)	75%	1.6932016129864 6	53%	65,685	69,551	B2	VH	6.03	1	-0.209	possibly impacted by long- residence time surface water; surface water microbiologic al risk
0000232348 (1180002S02)	5	- 9.453232	- 8.958288	-9.2144826	3%	Yes (5 of 5)	100%	2.0956227056386 2	60%	n/a/	n/a		VH	4.634606 7991			possibly impacted by long- residence time surface water at long time of travel
0000232349 (1180002S03)	6	- 9.990148	- 9.229245	- 9.71968683333 333	3%	Yes (3 of 6)	50%	1.10811622260119 9	30%	n/a/	n/a		VH	7.991681 0736			possibly impacted by long- residence time surface water at long time of travel

WELLHEAD PROTECTION MONITORING PLAN RESULTS

ID (link to Table 2)	No. of Samples	Minimum Value	Maximum Value	Mean Value	Coeff. of variation (CV) ¹	Do 1 or more samples show evidence for evaporated surface water? (#)	% of samples showing evidence for evaporated surface water	% evap SW times the mean LC Excess*	% rank of the % evap SW times the mean LC Excess* (includes Virus Study wells: 91 wells total)	Open water (sq.m.) in 1 year Capture Zone	Open water (sq.m.) in 10 year Capture Zone	Primary Groundwater Classification	Most conservative Geologic Sensitivity	Most recent Tritium result	Temporal Variability	Vertical Hydraulic Gradient Mean	Surface Water Impact Assessment
0000232350 (1180002S04)	4	- 9.870392	- 9.131699	-9.65717125	4%	Yes (2 of 4)	50%	- 1.0846300400544 2	27%	n/a/	n/a		VH	8.5			possibly impacted by long- residence time surface water at long time of travel
0000232352 (1180002S05)	5	- 9.278754	-8.50924	-9.056461	4%	Yes (3 of 5)	60%	- 1.1911778071157 7	35%	n/a/	n/a		VH	7			possibly impacted by long- residence time surface water at long time of travel
0000403973 (1180002S06)	7	- 10.236448	-9.35403	- 9.88588257142 857	3%	Yes (2 of 7)	29%	- 0.6664677192266 36	10%	n/a/	n/a		H	4.9			possibly impacted by long- residence time surface water at long time of travel

⁽¹⁾ - A **highlighted** CV indicates it meets or exceeds the threshold value for high variability of 3% and may indicate rapid or seasonal recharge (https://dwpreports.web.health.state.mn.us/DWP_Reports/gw_categories_11.pdf).

Table 2: Isotope Analysis

¹⁸ O	² H	ID (link to Table 1)	Collection Date	LC Excess* (1)	Does the LC Excess* show that the sample is significantly different than the MWL? (2)	Evidence for evaporated surface water? (3)	Estimated Annual Precipitation (Bowen grid for North America for ¹⁸ O values) (4)	Is the sample ¹⁸ O value significantly different than the Estimated Annual Precipitation value (Bowen, 2003)? (5)	Precipitation month most closely matching ¹⁸ O	Precipitation for month most closely matching ¹⁸ O	Precipitation difference for month most closely matching ¹⁸ O
- 9.503944	- 67.427186	0000232347 (1180002S01)	6/13/2017	- 0.97605955	No	No	-10.6325	Yes	September	-9.5525	0.0486
- 9.596595	- 69.336381	0000232347 (1180002S01)	9/27/2017	- 1.63416348	Yes	Yes	-10.6325	Yes	September	-9.5525	0.0441
- 9.467495	- 69.170561	0000232347 (1180002S01)	1/10/2018	- 2.11160312	Yes	Yes	-10.6325	Yes	September	-9.5525	0.0850
- 9.328805	- 69.712493	0000232347 (1180002S01)	5/15/2018	- 3.02703985	Yes	Yes	-10.6325	Yes	September	-9.5525	0.2237
- 9.439783	- 67.400784	0000232348 (1180002S02)	6/13/2017	- 1.24465039	Yes	Yes	-10.6325	Yes	September	-9.5525	0.1127
- 9.453232	- 67.74152	0000232348 (1180002S02) (Replicate)	6/13/2017	- 1.37573367	Yes	Yes	-10.6325	Yes	September	-9.5525	0.0993
- 9.240956	- 67.322388	0000232348 (1180002S02)	9/27/2017	- 2.07889230	Yes	Yes	-10.6325	Yes	September	-9.5525	0.3116
- 8.958288	- 66.009034	0000232348 (1180002S02)	1/10/2018	- 2.59303320	Yes	Yes	-10.6325	Yes	September	-9.5525	0.5942
- 8.980154	- 67.242156	0000232348 (1180002S02)	5/15/2018	- 3.18580397	Yes	Yes	-10.6325	Yes	September	-9.5525	0.5724
- 9.972591	- 70.099673	0000232349 (1180002S03)	6/13/2017	- 0.40037026	No	No	-10.6325	Yes	September	-9.5525	0.4201
- 9.949658	- 69.949335	0000232349 (1180002S03)	9/27/2017	- 0.41760627	No	No	-10.6325	Yes	September	-9.5525	0.3971

WELLHEAD PROTECTION MONITORING PLAN RESULTS

¹⁸ O	² H	ID (link to Table 1)	Collection Date	LC Excess* (1)	Does the LC Excess* show that the sample is significantly different than the MWL? (2)	Evidence for evaporated surface water? (3)	Estimated Annual Precipitation (Bowen grid for North America for ¹⁸ O values) (4)	Is the sample ¹⁸ O value significantly different than the Estimated Annual Precipitation value (Bowen, 2003)? (5)	Precipitation month most closely matching ¹⁸ O	Precipitation for month most closely matching ¹⁸ O	Precipitation difference for month most closely matching ¹⁸ O
- 9.990148	- 70.174775	0000232349 (1180002S03) (Replicate)	9/27/2017	- 0.36481773	No	No	-10.6325	Yes	September	-9.5525	0.4376
- 9.680022	- 69.006036	0000232349 (1180002S03)	1/10/2018	- 1.08106183	Yes	Yes	-10.6325	Yes	September	-9.5525	0.1275
- 9.229245	- 69.745838	0000232349 (1180002S03)	5/15/2018	- 3.48536055	Yes	Yes	-10.6325	Yes	September	-9.5525	0.3233
- 9.496457	- 69.346897	0000232349 (1180002S03) (Replicate)	5/15/2018	- 2.08227497	Yes	Yes	-10.6325	Yes	September	-9.5525	0.0561
- 9.870392	- 69.684501	0000232350 (1180002S04)	6/13/2017	- 0.61961678	No	No	-10.6325	Yes	September	-9.5525	0.3179
- 9.797609	- 69.955902	0000232350 (1180002S04)	9/27/2017	- 1.09276133	Yes	Yes	-10.6325	Yes	September	-9.5525	0.2451
- 9.828985	- 69.75567	0000232350 (1180002S04)	1/10/2018	- 0.84226448	No	No	-10.6325	Yes	September	-9.5525	0.2765
- 9.131699	- 68.546612	0000232350 (1180002S04)	5/15/2018	- 3.24575883	Yes	Yes	-10.6325	Yes	September	-9.5525	0.4208
- 9.244059	- 64.184088	0000232352 (1180002S05)	6/13/2017	- 0.31082569	No	No	-10.6325	Yes	September	-9.5525	0.3085
- 9.278754	- 65.663033	0000232352 (1180002S05)	9/27/2017	- 0.98435983	No	No	-10.6325	Yes	September	-9.5525	0.2738
- 9.192517	- 65.49562	0000232352 (1180002S05)	1/10/2018	- 1.27161591	Yes	Yes	-10.6325	Yes	September	-9.5525	0.3600
- 9.057735	- 65.366775	0000232352 (1180002S05) (Replicate)	1/10/2018	- 1.79481825	Yes	Yes	-10.6325	Yes	September	-9.5525	0.4948

WELLHEAD PROTECTION MONITORING PLAN RESULTS

¹⁸ O	² H	ID (link to Table 1)	Collection Date	LC Excess* (1)	Does the LC Excess* show that the sample is significantly different than the MWL? (2)	Evidence for evaporated surface water? (3)	Estimated Annual Precipitation (Bowen grid for North America for ¹⁸ O values) (4)	Is the sample ¹⁸ O value significantly different than the Estimated Annual Precipitation value (Bowen, 2003)? (5)	Precipitation month most closely matching ¹⁸ O	Precipitation for month most closely matching ¹⁸ O	Precipitation difference for month most closely matching ¹⁸ O
-8.50924	- 62.99181	0000232352 (1180002S05)	5/15/2018	- 2.88945487	Yes	Yes	-10.6325	Yes	May	-8.1525	0.3567
- 10.236448	- 70.441109	0000403973 (1180002S06)	6/13/2017	0.57401553	No	No	-10.6325	No	April	-10.6925	0.4561
- 10.169263	- 70.567916	0000403973 (1180002S06) (Replicate)	6/13/2017	0.20642357	No	No	-10.6325	Yes	April	-10.6925	0.5233
- 9.980446	-69.56	0000403973 (1180002S06)	9/27/2017	- 0.06399436	No	No	-10.6325	Yes	September	-9.5525	0.4279
- 9.943204	- 69.705809	0000403973 (1180002S06)	1/10/2018	- 0.30997347	No	No	-10.6325	Yes	September	-9.5525	0.3907
- 10.013678	- 70.503508	0000403973 (1180002S06) (Replicate)	1/10/2018	- 0.44467107	No	No	-10.6325	Yes	September	-9.5525	0.4612
- 9.504109	- 69.218059	0000403973 (1180002S06)	5/15/2018	- 1.97645931	Yes	Yes	-10.6325	Yes	September	-9.5525	0.0484
-9.35403	- 69.306735	0000403973 (1180002S06) (Replicate)	5/15/2018	- 2.68881472	Yes	Yes	-10.6325	Yes	September	-9.5525	0.1985

[\(1\)](#) - Bowen GJ, Revenaugh J (2003) Interpolating the isotopic composition of modern meteoric precipitation. Water Resources Research 39, 1299, doi:10.129/2003WR002086

[\(2\)](#) - Absolute values of LC Excess* that are greater than 1 are considered significant deviations from the Minnesota MWL.

[\(3\)](#) - Evidence of evaporated surface water is set to 'Yes' only for those samples where the LC Excess* was both negative and significant, and ¹⁸O is heavier than the Estimated Annual Precipitation.

[\(4\)](#) - Landwehr, J.M. and Coplen, T.B. (2004) Line-conditioned excess: A new method for characterizing stable hydrogen and oxygen isotope ratios in hydrologic systems. In Isotopes in Environmental Studies, Edition: 1, Chapter: IAEA-CN-118/56, Publisher: IAEA, pp.132-135. See pp. 99-100 in: http://www.iaea.org/inis/collection/NCLCollectionStore/_Public/36/003/36003223.pdf

[\(5\)](#) - Differences between ¹⁸O and Estimated Annual Precipitation that are greater than 0.4 are considered significantly different.

DECEMBER 2011

City of BRAINERD



Wellhead Protection Plan Part II



VARIABLE VULNERABILITY SETTING

**This plan is in effect from:
Estimated Dates=
April 2012-April 2022**

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Forward

This document presents the wellhead protection (WHP) plan for the Public Water Supplier that will help provide for an adequate and safe drinking water supply for community residents. It contains the following components:

- Assessment of the data elements used to prepare the plan;
- Delineation of the wellhead protection area and the drinking water supply management area, and assessments of well and drinking water supply management area vulnerabilities;
- Impact of land and water use changes on the public water supply well(s) used by the water supplier;
- Issues, problems, and opportunities affecting the well(s), well water, and the drinking water supply management area;
- Wellhead protection goals for this plan;
- Objectives and plan of action for achieving the wellhead protection goals;
- Evaluation program for assessing the effectiveness of this plan; and
- Contingency strategy to address an interruption of the water supply.

Water Supply Wells Included in This Plan

Unique Number	Well Name or Number	Well Depth (ft.)	Date of construction	Use/Status ¹
232347	3	125	1939	P
232348	4	123	1944	P
232349	5	145	1947	P
232350	6	156	1947	P
232352	7	157	1955	P
403973	8	187	1984	P

¹P = Primary Water Supply Well

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Appendix I—WHP Part 1 Report

Appendix II—Potential Contaminant Source Inventory (tables, figures)

Appendix III—Water Supply Plan letter; June 2011-Water Report 2010; Brainerd “letter of intent”; Brainerd Scoping II letter from MDH; Old PCSI map (1998 plan); Part 2 Recommendations GLH; swp00528; EPA Class V well information; MDH wells information

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Acronyms found in this Plan:

CWI-County Well Index
DWSMA-drinking water supply management area
ERA-emergency response area
IWMZ-inner well management zone
MS4-municipal storm-water plan
NPDES-National Pollutant Discharge Elimination System
PCSI-potential contaminant source inventory
PWS-public water supply
SWP-Source Water Protection
TMDL-total maximum daily load
WHPA-wellhead protection area
WHP-wellhead protection

AGENCIES:

BPU-Brainerd Public Utilities
EPA-Environmental Protection Agency
DNR (MDNR)-Minnesota Department of Natural Resources
MDA-Minnesota Department of Agriculture
MDH-Minnesota Department of Health
MGS-Minnesota Geological Survey
MNTAP-Minnesota Technical Assistance Program
MPCA-Minnesota Pollution Control Agency
MRWA-Minnesota Rural Water Association
NRCS-Natural Resources Conservation Service
SWCD-Soil and Water Conservation District
USDA-United States Department of Agriculture
MNDOT-Minnesota Department of Transportation
USGS-United States Geological Survey

**Brainerd Drinking Water Supply Management Area
(DWSMA) MN-00528 - Variable Vulnerability**



Chapter 1 - Introduction

1.1 Background

The wellhead protection (WHP) plan for the Public Water Supplier was prepared in cooperation with the Minnesota Department of Health (MDH). It contains specific actions that the city will take to fulfill WHP requirements that are specified under Minnesota Rules 4720.5510 to 4720.5590. Also, the support that Minnesota state agencies, federal agencies, and local units of government may provide is presented to identify their roles in protecting the city's drinking water supply. The plan is effective for 10 years after the approval date specified by the MDH and the City is responsible for implementing its WHP plan of action as described in Table 7 of this report. The city will evaluate the status of plan implementation at least every two and one half years to identify whether this plan is being implemented on schedule.

The drinking water supply management area (DWSMA) for which this plan has been developed is found in Figure 1. This wellhead protection area delineation is summarized in Chapter 2 of this plan and included in its entirety in Appendix I of this plan.

1.2 Plan Appendices

Much of the technical information that was used to prepare this plan is contained in the appendices but is summarized in the main body of this plan. In particular –

- Included in Appendix I is the first part of the WHP plan, commonly called the Part 1 Report consisting of the delineation of the wellhead protection area (WHPA), the drinking water supply management area (DWSMA), and the vulnerability assessments for the public water supply wells, the aquifer, and the DWSMA. This is summarized in Chapter 2 of this plan.
- Appendix II contains the inventory of potential contamination sources that may present a risk to the city's drinking water. Additional information relevant to understanding of the potential contaminants (including a summary of "Old Municipal Wells") is also found in Appendix II. This part of the plan is discussed in Chapter 3 under 3.1 B (Land Use Data Elements) in terms of assigning risk to the city's water supply and is discussed as issues, problems or opportunities in Chapter 5.
- Appendix III contains the contingency strategy (or verification thereof) to provide for an alternate water supply if there is a disruption caused by contamination or mechanical failure. This part of the plan is discussed in Chapter 9. The most current "Consumer Confidence Report" on water quality is found in this Appendix.

Chapter 2

Summary of Part 1 Report - Delineations & Vulnerability Assessments

2.1 Delineation of the Wellhead Protection Area

The wellhead protection area (WHPA) delineation was completed based upon application of five required criteria: flow boundary, volume of water pumped, groundwater flow field, aquifer transmissivity, and time of travel. The WHPA was delineated using an analytic element computer model called MLAEM. The

delineation is a conjunctive delineation that includes the surface water contribution of Little Buffalo Creek. This new information was not used on the original WHPA delineation (1997). The major uncertainty for the current delineation is regarding an understanding of the interaction between the surface waters (Little Buffalo Creek) and the aquifer into which the wells are constructed. Further work is contemplated in this plan to address those issues. For a complete description of the current WHPA delineation, look to the complete Part 1 report in Appendix I.

2.2 Delineation of the Drinking Water Supply Management Area (DWSMA)

The boundaries of the DWSMA were defined by utilization of the following features:

- Highways, streets, roads, or railroad rights-of-ways;
- Public Land Survey coordinates; and
- Property parcel boundaries.

The DWSMA is a boundary of parcels or fractions thereof that totally encompass the WHPA delineation.

2.3 Vulnerability assessments

All of the Brainerd wells were determined to be vulnerable because of the geologic sensitivity of the aquifer at the well sites, because of tritium detections indicating recharge from weeks to years, and because results of the water chemistry analysis of the chloride/bromide ratio shows that human activity at the land surface has impacted ground water quality.

The vulnerability of the aquifer used by the City is determined to be low in the southeastern part of the DWSMA and high in the northwestern part of the DWSMA due to the differences in underlying geology. The result is a DWSMA with “variable vulnerability”. For a complete description of the vulnerability assessments, look to the complete Part 1 Report in Appendix I.

Chapter 3

Data Elements and Assessment (4720.5200)

The data elements that are included in this plan were used to 1) delineate the WHPA and the DWSMA and to assess DWSMA and well vulnerability and 2) document the need for the WHP measures that will be implemented to help protect the city’s water supply from potential sources of contamination. The city met with representatives from MDH on two occasions to discuss data elements that are specified in Minnesota Rules, part 4720.5400, for preparing a WHP plan.

The first scoping meeting addressed the data elements that were needed to support the delineation of the WHPA, the DWSMA, and the well(s) and DWSMA vulnerability assessments. The second scoping meeting, held on June 23, 2011 discussed the data elements required to 1) identify potential risks to the public water supply and 2) develop effective management strategies to protect the public water supply in relation to well and DWSMA vulnerability. The results of each meeting were communicated to the city by MDH through a formal scoping decision notice.

Table 1 provides a summary of the data elements required by the Minnesota Department of Health and is followed in section 3.1 with a discussion of the elements and their importance to the management of the Brainerd DWSMA.

Table 1 - Assessment of Data Elements

Present and future implications as found in the table are based on the following:

High (H) - the data element has a direct impact

Moderate (M) - the data element has an indirect or marginal impact

Low (L) - the data element has little if any impact

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 *	M	M	M	M	MN Climatology Officer
Map of local precipitation gauging stations #	L	L	L	L	MGS
Ave. monthly & annual precip. Past 5 yrs.#	L	L	M	L	MGS
Geology					
Maps and geologic descriptions* #	H	H	H	H	MGS, DNR, USGS,
Subsurface data* #	H	H	H	H	MGS, MDH, MPCA, DNR
Borehole geophysics* #	M	H	H	H	MGS, Consultant Reports
Surface geophysics* #	H	H	H	H	DNR, MPCA, Consultant Reports
Maps and soil descriptions*	M	M	L	M	NRCS
Eroding lands #	L	L	L	M	NRCS, wastewater plants
Water Resources					
Watershed units* #	L	M	M	M	DNR, USGS
List of public waters* #	M	M	M	M	DNR
Shoreland classifications #	L	L	L	M	DNR, COUNTY, CITY
Wetlands map* #	M	H	M	M	DNR
Floodplain map #	H	L	M	M	DNR, COUNTY, CITY
Land Use					
Parcel boundaries map* #	L	H	L	L	City, Crow Wing County
Political boundaries map* #	L	H	L	L	MNGEO, City
PLS map* #	L	H	L	L	MNGEO
Land use map and inventory #	M	M	H	H	MDH,MPCA,EPA, Historical Society, City Records, County
Comprehensive land use map #	L	L	L	H	City, County
Zoning map #	L	L	H	H	City, County
Public Utility Services					
Transportation routes and corridors* #	L	H	H	H	MNGEO
Storm/sanitary sewers and PWS system map* #	M	M	M	H	City
Oil and gas pipelines map #	L	L	M	L	MNGEO
Public drainage systems map or list* #	H	H	H	H	City, SWCD
Records of well construction, maintenance, and use* #	H	H	H	H	City, CWI, MDH files
Surface Water Quantity					
Stream flow data* #	L	H	M	L	DNR, USGS

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	
Ordinary high water mark data* #	L	H	L	L	DNR, USGS
Permitted withdrawals* #	L	L	L	L	DNR
Protected levels/flows* #	L	L	L	L	DNR
Water use conflicts* #	L	L	L	L	DNR
Groundwater Quantity					
Permitted withdrawals* #	H	H	H	H	DNR
Groundwater use conflicts* #	H	H	H	H	DNR
Water levels*	H	H	H	H	DNR, MPCA, MDH, City
List of environmental bore holes #	L	M	L	L	DNR, MPCA, MDA, MDH
Surface Water Quality					
Stream and lake water quality management classification #	L	L	L	L	DNR, MPCA
Monitoring data summary* #	L	L	M	L	MPCA, MDH
Groundwater Quality					
Monitoring data* #	H	H	H	H	MPCA, MDH
Isotopic data* #	M	M	M	M	MDH
Tracer studies* #	H	H	H	H	DNR, MPCA
Contamination site data* #	M	M	M	M	MPCA, MDA
Property audit data from contamination sites #	M	M	H	M	City, Private party
MPCA and MDA spills/release reports* #	L	L	M	M	MPCA, MDA

Notes:

* Data elements that were also assessed in the Part 1 Wellhead Protection Plan dated February, 2011.

Data elements that are required to be assessed for Part 2 Wellhead Protection Plan as stated in the second scoping decision notice dated June 23, 2011.

Data elements herein do not necessarily have the same implications as found in the Part 1 WHP Plan.

3.1 Required Data Elements

A. Physical Environment Data Elements

1. **Precipitation** –Recharge to the aquifer occurs from precipitation in the area where the wells are located and from run-off received from upland till areas. Based on local precipitation data collected from 1971-2011, utilization of USDA-NRCS methodology indicates that Brainerd has a mean of 27.19 inches of precipitation annually.
2. **Geology** – Detailed geologic information, data and maps used in the delineation of the recharge area for the City of Brainerd can be found in the Part I Report (Appendix I). The primary concerns related to geology and the protection of Brainerd wells and aquifer is the vulnerability of the DWSMA to potential contaminant sources. The groundwater aquifer used by the City has a high vulnerability to land use contaminant sources in the

northwestern portion of the DWSMA where potential contaminants can vertically enter the aquifer during recharge events. The southeastern portion of the DWSMA exhibits low vulnerability because there is little or no direct vertical recharge to the aquifer (see Figure 1). During run-off periods and precipitation events, potential contaminants can be transported with surface water run-off from upland areas and infiltrate into the groundwater aquifer further down-gradient. BPU staff and MDH will collaborate on future monitoring to better identify the contribution of surface waters (specifically Little Buffalo Creek watershed) to the aquifer the City uses.

3. Soils –the soils of the vulnerable portion of the DWSMA generally allow infiltration while the soils of the non-vulnerable portion of the DWSMA generally promote runoff.
4. Water Resources – The Brainerd DWSMA is located in the Mississippi River Watershed and also includes the majority of the Little Buffalo Creek sub-watershed. Little Buffalo Creek is considered to have a significant influence on the aquifer either by direct recharge to the aquifer or by surface runoff to downstream areas which provide direct recharge. Little Buffalo Creek is listed as impaired water by the Minnesota Pollution Control Agency as follows:

Buffalo Creek (Little Buffalo Creek)	Headwaters to Mississippi R2006 Aquatic life UMiss07010104-52307010104-523	Aquatic macroinvertebrate bioassessments	2016-start	2022- complete
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The Crow Wing SWCD is currently conducting water quality monitoring at the South 7th street intersection for several parameters. It is expected that the two year monitoring program will further clarify the future TMDL study. One of the actions of this WHP Plan will be to further explore and understand the influences of this water body on the aquifer and City wells. An item needed by the City to help accomplish this is a flow gauge to determine flow volumes. This will reinforce the need and priority for future management strategies necessary to help the City of Brainerd protect their drinking water supply. A partnership between the City's MS4 project team, BPU's wellhead team, and the SWCD could be very productive in accomplishing what is needed for this stream.

B. Land Use Data Elements

Land use - The City of Brainerd is a mid-sized community located in the southwest quadrant of Crow Wing County. The County is in the heart of north-central Minnesota's lake country and the City and surrounding area reflects the importance of the water-based recreation that exists there. The Brainerd DWSMA is 2,359 acres in size. The majority of the DWSMA is located within the corporate limits of the City, while a smaller portion is in part of Oak Lawn Township. Land use controls are administered by the City in the majority of the DWSMA; however the portion that is in Oak Lawn Township is administered by Crow Wing County. Figures 3 and 4 (found in Appendix II) show the current zoning within the protection area.

Table 2 shows a breakdown of overall land use /land cover found in the Brainerd DWSMA. A corresponding land cover / land use map is in Figure 2 found in Appendix II. A general summary of the table indicates that 44.39% of the DWSMA is urban developed while 22.66% is wooded/grassland, 17.59% is water/wetland and 15.37% is farmland. The majority of the highly vulnerable portion of the DWSMA is located in a residential area while the commercial and industrial development is mostly located in the area of low vulnerability. There are some agricultural lands in the far eastern portion of the DWSMA which is of low vulnerability.

Because the delineation of the protection area is conjunctive (meaning a connection between surface and ground-water), it is important to recognize that the area of high vulnerability creates issues to the aquifer because of potential vertical infiltration of contaminants. While the DWSMA portion which is of low vulnerability exhibits a threat mostly through poorly managed wells or through EPA class V wells, there can be overland transmission of contaminants to the vulnerable area through surface and storm water runoff towards Little Buffalo Creek.

Table 2 Land Cover Statistics (from 2001 National Land Cover dataset).

LAND COVER	ACRES	PERCENT	YEAR
Open Water	12.23	0.52	2001
Developed, Open Space	631.45	26.76	2001
Developed, Low Intensity	362.65	15.37	2001
Developed, Medium Intensity	39.13	1.66	2001
Developed, High Intensity	14.23	0.60	2001
Deciduous Forest	452.91	19.19	2001
Evergreen Forest	24.45	1.04	2001
Shrub/Scrub	3.11	0.13	2001
Grassland/Herbaceous	54.25	2.30	2001
Pasture/Hay	212.11	8.99	2001
Cultivated Crops	150.52	6.38	2001
Woody Wetlands	163.42	6.92	2001
Emergent Herbaceous Wetlands	239.46	10.15	2001
Total	2,359.95	100.00	2001

1. **Public Water Supply Wells Inner Well Management Zone (IWMZ)** - As part of the assessment of contaminant sources which could quickly impact the public water supply wells, land use within a 200' radius of the wells was reviewed in relation to State well code setback requirements and potential contaminant threats.

Concerns identified in the IWMZ of the City's wells include:

- An electric substation with transformers located 85' from Well # 3 poses the risk of an oil leak which could impact groundwater. However, the substation and transformers will be removed in late 2011 or 2012 and will no longer pose a risk to the well or water supply.
- BPU has an NPDES permit for a seepage basin, which is used by the water treatment plant for backwash discharge adjacent to several City wells. This could become an issue if a future discharge is of contaminant character.

These items and other are being addressed in the management sections of this plan. The MDH IWMZ forms are updated and are on file with the MDH and BPU.

2. **Potential Contaminant Source Inventory (PCSI)** - The City of Brainerd and WHP Team completed a potential contaminant source inventory in the DWSMA. The inventory was completed from data files kept by the MDH, the Minnesota Pollution Control Agency (MPCA), and the Environmental Protection Agency (EPA) and from local knowledge of contaminant threats supplied by the WHP Team.

The immediate area near the wells and area of the aquifer identified as having a high vulnerability to contaminants is considered a high priority for implementing wellhead protection strategies identified in Chapter 5. The potential contaminant sources identified in the highly vulnerable portion of the DWSMA are summarized below in Table 3. Potential sources identified as wells will be found in Table 4.

Table 3: Potential Contaminant Source Inventory (PCSI) Summary: Potential contaminants identified in the Highly Vulnerable DWSMA

Contaminant Source Type	Total number/size of potential contaminant	No. in ERA ¹	No. in IWMZ ²	Level of Contaminant Risk ³
Petroleum Tanks:	(9 sites)			
Above Ground:	0			L
Below Ground	11 tanks (70,000 gals.+)	1	0	M
EPA Class V wells	?			H
Known Spill Sites:	1	0	0	L
Haz. waste generators	7	0	0	L
Multiple activities ⁴	8	1	0	M
Storm water Outfall ⁵	14+-		0	M
Septic tanks	4	0	0	L
Agricultural tilled	0 ac.	0	0	L
Gravel Pits	1	1	0	M
WT Backwash Basin	1	1	1	L

1-Emergency Response Area (ERA) is the one-year time-of-travel area for a municipal well.

2-IWMZ is the inner well management zone, a 200 foot radius around the public water supply well.

3-Risk categories are HIGH (H), MODERATE (M), or LOW (L); based on existing land use.

4-Multiple activities are potential contaminant sites that could have more than one regulated activity. See Appendix II for a list of these sites.

5-These were counted from City Engineering map of storm-water system, points in the storm-shed adjacent to Little Buffalo Creek ravine.

An automobile salvage yard (without sanitary sewer connection) exists on the East end of the vulnerable portion of the DWSMA and may be a potential site for an EPA Class V injection well. A known spill site in the vulnerable portion of DWSMA has been closed since 1994. Of the tank sites found, only one still has an active tank while all of the rest have been removed. There are three industrial storm water permits in the Little Buffalo Creek watershed and two construction storm water permits (one in vulnerable area). The trunk highway 371 crossing of Little Buffalo Creek has no spill containment should a spill occur in that area. The City of Brainerd does have an MS4 storm water plan which has been in implementation phase for the past 5 yrs. The gravel pit located adjacent to the City well-field is currently inactive and is potentially open to different ownership and a new land use. For this reason, BPU should consider acquisition of the property. There are no oil or gas pipelines in the DWSMA and no public drainage systems other than the City's storm water system.

For the entire DWSMA, the potential contaminant sources identified as wells are shown in Table 4.

Table 4: Potential Contamination Sources identified as wells in the entire DWSMA.

Potential Source Type	Total Number	Emergency Response Area ¹	In IWMZ ²	Level of Risk ³
Total Wells in DWSMA (active)	55	9	6	H
Well <100 feet deep	33			H
Well >100 feet deep	17			H
Monitoring Well	11			L
Municipal Well	6	6	6	L
Municipal Test Well	7	?		H
Municipal Well Sealed	5			L
Total Wells Sealed	35			L
Unused, unsealed well	?			H
Old Municipal Wells	18			H
EPA Class V wells	?			H

¹-Emergency Response Area (ERA) is the one-year time-of-travel area for a municipal well.

²-IWMZ is the inner well management zone, a 200 foot radius around the public water supply well.

³-Risk is categorized as HIGH (H), MODERATE (M), or LOW (L).

Not all wells identified have complete information attached to them, thus not all figures will add evenly in the above table. The City should consider whether the municipal test wells are still needed because all are of greater depth than 100 feet. There are only 4 private wells greater than 100 ft. depth which need to be managed properly. Research needs to occur on the status of 18 old municipal wells to determine if they are properly sealed. The MDH summary of old municipal wells is found as Table 8 in Appendix II of this plan.

Items for priority management of potential contaminant sources in the DWSMA will include the following:

- Wells that are located within the DWSMA will be high priority for management with a focus on sealing unused/unsealed wells.
- Education of well owners for proper management of their well(s), particularly the wells that area greater than 100 ft. deep (17 identified).
- Consideration whether municipal test wells should be sealed if no longer needed.
- Appropriateness of the City to ensure that Old Municipal Wells are properly sealed wherever they are located.
- Spill prevention and response improvements and awareness.
- High priority management will exist for potential contaminants found in the ERA and the IWMZ.
- Class V injection wells will be high priority if any are found.
- Recognition of the potential impact of storm water outfalls and the influence of Little Buffalo Creek waters on the aquifer.
- Consideration of acquisition of the gravel pit property.

See Appendix II for maps of the potential contaminants, a listing of parcels, ownership and addresses.

C. Water Quantity Data Elements

1. Surface water quantity – Surface water quantity directly impacts recharge of the aquifer and static water levels of the Brainerd Wells. It is considered important to determine the volume of surface water being contributed to the aquifer used by the City through Little Buffalo Creek. A stream gauge could help determine this.
2. Groundwater quantity - Groundwater quantity is influenced by surface water recharge of the aquifer. Groundwater quantity is sufficient for the amounts of water presently pumped and used by the City of Brainerd. No high capacity wells were identified in the DWSMA which may cause an interference problem with the city wells. BPU maintains an inter-connect with the City of Baxter for contingency purposes. Although none are expected, new high capacity wells could impact the public water supply. Consideration and cooperation of MDNR's water appropriations program will be important in this regard.

D. Water Quality Data Elements

1. Surface water quality – Surface water quality impacts groundwater quality and the City of Brainerd's water supply. Further study is contemplated in this plan to provide a better understanding of that impact contributed to the aquifer through Little Buffalo Creek.
2. Groundwater quality - The City of Brainerd groundwater quality currently meets or exceeds all Federal drinking water quality standards. A copy of the most recent City of Brainerd Consumer Confidence Report (Appendix III) provides a summary of groundwater quality.

3.2 Assessment of Data Elements

- A. Use of the Well – there are six primary wells in use at Brainerd with a more than adequate supply, especially since Baxter installed their own system in 2008. There are no competing high capacity wells in the DWSMA. There is an inter-connect with the City of Baxter which is helpful for contingency planning.
- B. Quality and Quantity of Water Supplying the Public Water Supply Well – No significant changes in either water quality or quantity are expected based on the review of data elements, current or future water uses. Additional monitoring and assessment of data elements regarding the influence of surface water features in the DWSMA will assist the city in future planning and management of their water supply and distribution system.
- C. The Land and Groundwater Uses in the Drinking Water Supply Management Area – BPU, the City and WHP Team will focus on educating citizens about their source of drinking water and wellhead protection concerns, issues and activities identified in this plan. In order for this plan to be effective in protecting and improving the City water supply, continued good working relationships with local residents and businesses; city, county and State resource staff will be needed in order to take the necessary steps to improve the city water and help avoid potential contamination of the public water supply. BPU, the City and WHP Team will work with Federal, State and local agencies and programs available to protect the wells and aquifer and in the management of potential contaminants identified in the DWSMA. City of Brainerd, Crow Wing County, and MDH will continue to provide technical support and assistance to BPU for WHP activities identified in this plan.

Chapter 4 - Impact of Land and Water Use Changes on the Public Water Supply Well(s) (4720.5220)

The city estimates that the following changes to the physical environment, land use, surface water, and groundwater may occur over the ten-year period that the WHP plan is in effect. This is needed to determine whether new potential sources of contamination may be introduced in the future and to identify future actions for addressing these anticipated sources. Land and water-use changes may introduce new contamination sources or result in changes to groundwater use and quality. The anticipated changes may occur within the jurisdictional authority of the city although some may not. The following table describes anticipated or potential changes to the physical environment, land use, and surface water or groundwater in relationship to their 1) the influence that existing governmental land and water programs and regulations may have on the anticipated change, and 2) the administrative, technical, and financial considerations of the public water supplier and property owners within the DWSMA.

Table 5 - Expected Land and Water Use Changes

Expected Change (Physical Environment, Land Use, Surface Water, Ground Water)	Impact of the Expected Change On the Source Water Aquifer	Influence of Existing Government Programs and Regulations on the Expected Change	Administrative, Technical, and Financial, Considerations due to the Expected Change
<u>Physical Environment</u> There is potential for a realignment of Business Highway 371.	With consideration of the DWSMA during design & construction there could be improvements to reduce impacts upon the aquifer.	The MNDOT engineers, upon knowledge of the City's DWSMA could incorporate rain gardens and other features to minimize the impacts of runoff. Secondary containment could be built into the storm system at the point of T.H.371 crossing of Little Buffalo Creek.	The City/BPU staff needs to be in communication with the MNDOT well in advance of the project design. MDH staff will be available to assist if desired. Financial considerations will need to be worked into the plan early in the realignment design.
<u>Land Use</u> – No significant change is expected. Minor change could include park plan development in the Kiwanis Park area and additional fill-in development in the City's industrial park.	Minimal or no impact is expected.	Land use controls could apply the performance standards necessary on any proposed industrial park users.	City and County planning & zoning officials need to be on top of new developments to identify issues as they come up. The MDH planner & hydro-geologist will be available to review and assist with technical issues.
<u>Surface Water</u> –The MS4 storm water plan being implemented by the City could result in improvement to the surface water quality. A TMDL study on Little Buffalo Creek is scheduled to occur in 2016.	If there is higher quality surface water infiltrating to the aquifer, this would be positive to wellhead protection. The TMDL study should lead to the same improvements as previously cited.	Existing government programs mostly through MPCA or EPA will be supportive. The Legacy Amendment funding should be supportive of the TMDL plan and implementation.	None expected.
<u>Ground Water</u> – No additional high capacity water users are expected within the ten year implementation period	None expected.	None expected, however, the DNR's water appropriation program should be supportive of the public water supply if anything comes up.	None expected.

Chapter 5- Issues, Problems, and Opportunities (4720.5230)

5.1 Identification of Issues, Problems and Opportunities - The Public Water Supplier has identified water- and land-use issues, problems and opportunities related to 1) the aquifer used by the city water supply wells, 2) the quality of the well water, or 3) land- or water-use within the DWSMA. The city assessed 1) input from public meetings and written comments that it received, 2) the data elements identified by the MDH during the scoping meetings, and 3) and the status and adequacy of the city's official controls and plans on land use and water uses as well as those of local, state, and federal government programs. The results of this effort are presented in the following table which defines the nature and magnitude of contaminant source management issues in the city's DWSMA. Identifying the issues, problems and opportunities as well as resource needs enables the city to: 1) take advantage of opportunities that may be available to make effective use of existing resources, 2) set meaningful priorities for source management and 3) solicit support for implementing specific source management strategies.

5.2 Comments Received – There have been several occasions for local governments, state agencies and the general public to identify issues and comment on the city's WHP plan. At the beginning of the planning process, local units of government were notified that the city was going to develop its WHP plan and were given the opportunity to identify issues as well as to comment. A public information meeting was held to review the results of the delineation of the WHP area, DWSMA, and the vulnerability assessments and the meetings of the WHP protection team provided public opportunity. Also, a public hearing was held (Dec. 20, 2011) before the completed WHP plan was sent to MDH for state agency review and approval. No significant comments were received at the public hearing. The following issues were identified during plan development and from comment periods –

Table 6 – Issues, Problems and Opportunities

Issue Identified	Impacted Feature	Problem Associated with the Identified Issue	Opportunity Associated with the Identified Issue	Adequacy of Existing Controls to Address the Issue
There are wells, some of which may be unused and unsealed within the DWSMA.	-Aquifer -Well Water Quality	All or some of the wells present a threat to the aquifer based upon their depth, construction, and state of repair.	The city can partner with the County to help property owners pay for the costs of sealing unused wells. The city can apply for SWP grant funds to help identify and seal wells through the MDH.	The city does not have authority to require that unused wells be properly sealed. The Minnesota Department of Health has authority to require well sealing.
A portion of the DWSMA is outside of the City's land use controls authority.	Aquifer DWSMA Well Water Quality	A proposed land use could occur which is detrimental to protection of the PWS aquifer.	The city can partner with the County to provide the necessary controls.	The city will be assured of protection if the text of the City & County ordinances recognizes the DWSMA.
Construction of new wells within the City Limits may impact the PWS.	Aquifer DWSMA Well Water Quality	Uncontrolled construction of new wells in the City could impact the City's ability to provide the public's water needs	A recent interpretation of State rules appears to have made it possible for cities to regulate wells through land use controls.	The City may have new authority to regulate wells within the corporate limits through land use controls.
There are above and below ground storage tanks, leaks and spills inside of the DWSMA.	Aquifer DWSMA Well Water Quality	The tanks, leaks, and spills could lead to contamination of the aquifer that the City uses.	The City can work with the MPCA to determine status of the various issues. The MNTAP program at the U of M can be accessed to support operators in reducing the impact of problems. MDH staff will be supportive of other agencies when the issue affects a PWS.	The State of Minnesota has adequate regulations to address this type of problem. Due to fiscal issues with the state budget, there could be a shortage of resources to carry them out.

Chapter 6

Wellhead Protection Goals (4720.5240)

The City of Brainerd has enjoyed a sufficient and safe water supply in the past and proposes, through the implementation of this WHP Plan, to continue supplying safe, potable water for its customers into the future. The city water supply is classified as mixed vulnerability by the Minnesota Department of Health based upon the geology and characteristics of the aquifer. Actions found in this plan focus on education and implementation of activities relative to the potential contaminant sources identified in order to prevent well or aquifer contamination. Efforts will also be focused upon water quality monitoring and data collection efforts to increase knowledge about the Little Buffalo Creek watershed. The goals of this wellhead protection plan are:

- *Maintain a safe and adequate drinking water supply for community residents;*
- *Prevent contaminants from reaching levels that present a risk to people's health.*

These goals will be achieved through efforts of the WHP Manager, BPU Staff, WHP Team and City Council by:

- Educating the public and businesses about WHP issues and concerns in the City of Brainerd.
- High priority focus will be on the land uses and activities within:
 - One year time of travel area/emergency response area, and
 - The vulnerable portion of the DWSMA.
- Working with MDH, MPCA, Crow Wing County, SWCD & others on investigation to better understand the contribution of the Little Buffalo Creek to the aquifer the City uses.
- Promote and encourage adoption of practices that reduce potential contaminant threats identified in this plan.
- Develop partnerships with other units of government, non-profits, and individuals to address current and potential issues for the public water supply of the City.

Brainerd Public Utilities recognizes that the City and County land use planning and a variety of Federal, State and local resource programs are available to assist them in protecting their drinking water supply.

Chapter 7

Objectives and Plan of Action (4720.5250)

7.1 ESTABLISHING PRIORITIES -- The aquifer providing water to the public water supply system has been identified as vulnerable to contamination from land use activities in the northwestern portion of the DWSMA. A number of factors must be considered when WHP measures are selected and prioritized. Such factors include:

- Potential contamination of the public water supply wells by substances that exceed federal drinking water standards.
- Contamination resulting from human activity.
- The location of potential contaminant sources relative to the PWS wells.
- The numbers of each potential contaminant source identified and the nature of the potential contaminant associated with each source.
- The capability of the geologic material to absorb a contaminant.
- The effectiveness of existing controls.
- The time required to get cooperation from other agencies and cooperators.
- The resources needed: staff, money, and time, legal, technical.

Based upon these factors, the WHP Team will concentrate management efforts on the following categories and subsequent strategies to create awareness about groundwater protection and help prevent future contamination of the aquifer:

- ❖ Monitoring, Data Collection & Assessment
- ❖ Wells and IWMZ Management
- ❖ Land Use Management – transportation, residential and other issues
- ❖ Potential Contamination Source Management – tanks & leaks, spill sites
- ❖ Public Education and Outreach
- ❖ Land Use Planning & Zoning
- ❖ Reporting and Evaluation

7.2 OBJECTIVES

The following objectives have been identified to support the goals of the WHP plan for the Public Water Supplier:

1. *Create public awareness and general knowledge about the importance of WHP for maintaining an adequate and safe drinking water supply;*
2. *Implement actions that will reduce the potential for contamination of the City's ground water source.*

7.3 WHP MEASURES AND ACTION PLAN

Based upon the factors discussed herein, the WHP team has identified WHP measures that will be implemented by the city over the 10-year period that its WHP plan is in effect. The objective that each measure supports is noted as well as 1) the lead party and any cooperators, 2) the anticipated cost for implementing the measure and 3) the year or years in which it will be implemented.

Table 7: Management Strategies/Actions to Implement Wellhead Protection

MEASURE	--Monitoring, Data Collection & Assessment--	Responsible Party/ Cooperators	Cost	Implementation time frame										
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
1	Prepare a <u>groundwater and surface water monitoring plan</u> to assess the relationship between the aquifer used by the Brainerd wells and potential sources of surface water recharge.	WHP Mgr. MDH DNR Co. Water Plan SWCD	Estimate = 50 hrs.	X										
2	Implement and evaluate results of the groundwater quality or water level monitoring plan and assess results with MDH.	WHP Mgr. MDH	Estimate = 50 hrs.		X	X	X							
3	Prepare a <u>groundwater monitoring plan</u> to confirm the low vulnerable rating of the aquifer in the <u>east</u> portion of the DWSMA.	WHP Mgr. MDH	Estimate = 20 hrs.		X									
4	Implement and evaluate results of the groundwater monitoring plan and assess results with MDH.	WHP Mgr. MDH Private Well Owners	Estimate = 30 hrs.			X	X							

5	Initiate discussions with interested groups to explore the possibility of establishing a gaging station on Little Buffalo Creek and utilize SWP grants program to accomplish the station and monitoring plan implementation.	WHP Mgr. MDH/ DNR USGS/Co. Water Planning SWCD	Estimate = 40 hrs.	X	X	X	There is potential that the gauge reading will be continuous.				
---	--	--	-----------------------	---	---	---	---	--	--	--	--

MEASURE	<u>--Well Inventory & Management--</u>	Responsible Party/ Cooperators	Cost	Implementation time frame										
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
6	Provide information on the proper management and sealing of wells to landowners located in the DWSMA and why this is important.	WHP Mgr. & staff Co. Water Plan	\$100 staff time, paper & mailing		X							X		
7	Provide additional information on well management to owners of wells twice during implementation period	WHP Mgr. & staff Co. Water Plan	\$100 staff time, paper & mailing				X						X	
8	Assign responsibility to WHP Team members (2 or more) to review and document the <u>MDH unlocated wells</u> list to determine if any of the wells are found inside of the DWSMA. If any of the wells from MDH list fall into the DWSMA, add them to the PCSI list for wells and assign a level of risk as in Table 4.	WHP Mgr. & staff	10 hrs. staff time		X									
9	Prioritize unused wells for sealing based on their construction, condition, distance, depth and threat to the aquifer and public water supply wells.	WHP Mgr. & staff	10 hrs. staff time	This will occur as unused wells are located on a continual basis.										
10	Pursue SWP and other Grant funds to seal priority wells.	WHP Mgr.	10 hrs. staff time	Occurrence-- as needed										
11	Complete a historical review of land uses and areas in the DWSMA suspected to have unused unsealed wells using Sanborn Fire Maps, local resources or other available information.	WHP Mgr. & WHP Team	10 to 20 hrs. staff time.	X				X						
12	Establish a policy and a line item in the BPU water utility budget to subsidize the sealing of private wells at the time a resident is hooked up to the municipal water supply.	WHP Mgr.	10 hrs.						X					
MEASURE	<u>--IWMZ & Municipal Well Management & Old Municipal Wells--</u>	Responsible Party/ Cooperators	Cost	Implementation time frame										
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
13	Implement WHP measures identified on the IWMZ Inventory forms. Continual review of well code setback for new activities that occur in the IWMZ.	WHP Mgr. & staff	In kind.	BPU staff during well site visits-continual.										
14	Evaluate the test wells under BPU control to determine if they are needed and seal if not needed.	WHP Mgr. & staff	10 Hrs. staff time						X					
15	Work with MDH to review old municipal well records to help locate and determine efforts needed to address old city wells that lack sealing records. If any old municipal or test wells are determined in need of sealing, apply for SWP funds at MDH to accomplish.	WHP Mgr. & staff	10 to 50 hrs. staff time					X						

MEASURE	<u>--Class V Wells & High Capacity Wells--</u>	Responsible Party/ Cooperators	Cost	Implementation time frame									
				2012	2013	2014	2015	2016	2017	2018	2020	2017	2021
16	Collect information about any known or suspected EPA Class V wells in the DWSMA. Contact MDH Planner for assistance working with a suspected owner of a Class V well.	WHP Mgr. & WHP Team	10 hrs. staff time			X	This to occur once initially, but continual follow-up						
17	Be aware of potential for new high capacity wells and communicate with DNR, MDH hydrogeologist and the owner of proposed well in advance of construction activity.	WHP Mgr.,BPU staff, City staff, MDH, MDNR	20 hrs. staff time when it is proposed										
				Continual activity.									
MEASURE	<u>--PCSI Management, Tanks & Spills--</u>	Responsible Party/ Cooperators	Cost	Implementation time frame									
				2012	2013	2014	2015	2016	2017	2018	2020	2017	2021
18	Start a dialogue with MPCA tanks and spills staff to determine if there is reason to be concerned about any of the sites located inside of the DWSMA.	WHP Mgr. MPCA	10 hrs. staff time						X				
19	Pending results of Measure 18, communicate with tank owners to determine if BPU can provide assistance to address specific issues regarding the tanks, leaks or spills.	WHP Mgr. Tank owners	10 hrs. staff time							X			
20	For the list of tanks, & spills property owners, prepare and send a memorandum advising them of the wellhead protection area as well as other tank educational information.	WHP Mgr.	10 hrs. staff time					X					
21	Meet with local spill response and emergency response people from the Brainerd area to make them aware of the protection area.	WHP Mgr.	10 hrs. staff time			X							
MEASURE	<u>--Land Use Issues: Transportation, Residential & Storm Water--</u>	Responsible Party/ Cooperators	Cost	Implementation time frame									
				2012	2013	2014	2015	2016	2017	2018	2020	2017	2021
22	Develop a dialogue with the City Planner, City Engineer and MNDOT regarding the potential rebuild of Business 371 Hwy. to discuss the potential to create secondary containment of any spills in the vicinity of the Little Buffalo Creek area.	WHP Mgr. MNDOT, City	10 to 50 hrs. staff time				X						
23	Request the County Solid Waste Department to host a household hazardous waste collection at a location sponsored by BPU in the DWSMA to highlight the potential for residential activities that can impact the public water supply.	WHP Mgr. Co. Solid Waste	10 hrs. staff time			X							
24	Meet annually with the City MS4 implementation staff to discuss options for storm water improvement activities in the DWSMA. Identify storm-water practices that can be implemented to improve the water quality of storm-water outfalls to Little Buffalo Creek.	WHP Mgr. MS4 Mgr.	10 hrs. staff time each year		X	X	X	X	X	X	X	X	X

MEASURE	<u>--Education and Outreach--</u>	Responsible Party/ Cooperators	Cost	Implementation time frame										
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
25	Distribute the MN Rural Water Association's "Where Does My Drinking Water Come From?" brochure to landowners in the DWSMA.	WHP Mgr. & Staff	\$100 staff time & materials		X									
26	Post and highlight WHP education information on the city or utility website.	WHP Mgr. City web Mgr.	In-kind	Continuous as material is developed										
27	Select wellhead protection education items from the MN Rural Water Association source water protection website to use to educate the public about WHP in your community.	WHP Mgr. & staff	In-kind	Continuous to support measure 25 & others.										
28	Annually provide the MRWA Water Week educational materials to the local 4 th Grade School Teacher and obtain their participation.	WHP Mgr. & Staff 4 th Grade Teachers	10 hrs. staff time per yr.	X	X	X	X	X	X	X	X	X	X	X
29	Provide a tour of the city water treatment plant and educate students about their source of drinking water, what WHP is and steps the city is taking to protect the local water supply.	WHP Mgr. & staff School Officials	10 hr. staff time each year		X		X		X		X			X
30	Display WHP information at your Utility Department Open House, County Fair or other local event. Highlight practices or activities that citizens can do to support WHP efforts.	WHP Mgr. & staff Co. Water Plan	In-kind	This is a continuous activity as opportunity arises.										
31	Put the MDH public service announcement about WHP and drinking water protection on the local radio. Obtain the audio clip from the MDH Planner.	WHP Mgr. & Staff MDH Planner	10 Hrs. staff time	X										
32	Use the local city cable channel as a media outlet to provide WHP information to citizens.	WHP Mgr. & staff	10 hrs. staff time per yr.	This will be continuous as information is located.										
33	Provide city residents with a pamphlet or article in the city newsletter that explains the need to seal priority unused wells and to implement a cross connection control program.	WHP Mgr. & staff	In-Kind					X						
34	Help sponsor a children's water festival, in particular a session that describes the impacts that improperly constructed or sealed wells may have on drinking water quality.	WHP Mgr. SWCD Co. Water Plan	\$100	This activity will occur when opportunity arises.										
35	Educate the public on water conservation practices they can implement to reduce water use.	WHP Mgr. & staff	10 hrs. staff time/yr.		X			X			X			

Measure	--Land Use Planning & Zoning--	Responsible Party/ Cooperators	Cost	Implementation time frame										
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2021
36	Request City and County Planning incorporate a map of the DWSMA and support of Brainerd WHP in the comprehensive plan.	WHP Mgr. & staff Planning staff	10 hrs. staff time		X									
37	Request the County Water Plan Coordinator to incorporate the DWSMA Map and local WHP issues when the County Water Management Plan is updated.	WHP Mgr. & Staff Co. Water Plan	10 hrs. staff time			X								
38	Request to be notified by all jurisdictions with land use authority in the DWSMA about proposed zoning, rezoning, conditional use permits in the DWSMA.	WHP Mgr. & staff Zoning authorities	In-kind	X										
39	Work with MDH, League of Minnesota Cities, and city planning staff to develop an ordinance that specifies the circumstances which control the placement of wells within the city's jurisdiction.	WHP Mgr. & staff	40 hrs. staff time						X					
Measure	-WHP Coordination, Reporting & Evaluation-	Responsible Party/ Cooperators	Cost	Implementation time frame										
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2021
40	Hold annual meeting with the WHP Team and local resource partners involved in plan implementation to discuss new WHP issues, past year's accomplishments and activities planned for the upcoming year.	WHP Mgr.	5 hrs. staff time	X	X	X	X	X	X	X	X	X	X	X
41	Regularly coordinate an internal meeting with the City Administrator, Public Works Director, Mayor and appropriate staff to discuss WHP Plan implementation and coordination. Discuss funding needs and pursuit of SWP Grant funds to help implement activities identified in the WHP Plan.	WHP Mgr. City staff	10 hrs. staff time	X		X		X		X		X		
42	Maintain a "WHP folder" that contains documentation of WHP activities completed and a date that it was done. Record cost to complete the activity.	WHP Mgr. BPU staff	10 hrs. staff time per yr.	X	X	X	X	X	X	X	X	X	X	X
43	Complete an Evaluation Report every 2.5 years that evaluates the progress of implementing the WHP Measures identified in this plan of action (Table 7) and the impact of any contaminant release on the aquifer supplying the public water supply well.	WHP Mgr. & staff	20 hrs./yr.			X			X			X		

Notes to Table 7: Dates noted in the table are a guide to implement the WHP action and may be varied to fit the schedule of the WHP Manager. The WHP Manager is the lead responsible party for all actions so that implementation activity can be tracked. The cost for each action is an estimate and could vary significantly from what is indicated. The in-kind cost means that BPU is already conducting a related activity and the action is carried out as an item already budgeted through normal BPU activity. Completion of all action items herein is subject to the availability of resources adequate to complete such actions.

Chapter 8

Evaluation Program (4720.5270)

Evaluating Plan Implementation

Plan evaluation provides a means to determine whether WHP action items are achieving the intended result or whether they need to be modified to address changing administrative, technical, or financial resource conditions within the DWSMA. Evaluation is used to support plan implementation and is required under MR 4720.5270 prior to amending the city's WHP plan. The Public Water Supplier has identified the following procedures that it will use to evaluate the success with implementing its WHP plan –

1. Prepare an annual report or briefing for the Utility Commission and City Council on the progress of the wellhead protection implementation actions and actions the City would like to implement in the upcoming year;
2. The WHP Team will meet annually to discuss implementation efforts and coordinate activities. New WHP issues, opportunities or changes needed in existing strategies identified in this plan will also be discussed.
3. Brainerd Public Utilities will prepare a written self-assessment report every 2.5 years that documents what plan implementation activities have been completed. The reports will be submitted to MDH when completed and made available at the first scoping meeting at the time the City will begin amending this wellhead protection plan.

Chapter 9

Water Supply Contingency Plan (4720.5280)

Under the wellhead protection rule, this plan must include a plan to address the events and responses that must occur when a water supply emergency arises or is threatening. The rule provides as an option to allow the WHP plan to include as contingency plan the "Water Supply Plan" that is completed as part of the water appropriation from the Minnesota DNR. The Water Supply Plan must be current and must be accompanied by an approval letter from DNR.

BPU has chosen the Water Supply Plan option in lieu of a separate contingency plan for this WHP plan and keeps a copy available for viewing in the BPU office. Persons who need to view the contingency plan referenced herein may do so by contacting the Wellhead Protection Manager identified in this plan. The letter from Minnesota DNR stating that the Water Supply Plan is current and approved is found in Appendix III.

REFERENCES for this PLAN:

- Climatology information for Minnesota was found at: <http://climate.umn.edu/>.
- Impaired waters information is from <http://www.pca.state.mn.us/index.php/water/water-types-and-programs/minnesotas-impaired-waters-and-tmdls/assessment-and-listing/303d-list-of-impaired-waters.html?menuid=&redirect=1>
- MPCA tanks detail found at: <http://www.pca.state.mn.us/index.php/waste/waste-and-cleanup/waste-management/tank-compliance-and-assistance/minnesota-aboveground-/underground-storage-tank-site-search-data.html>)
- MPCA multiple activities sites detail found at: <http://pca-gis02.pca.state.mn.us/wimn2/index.html>
- Information found in potential contaminant source inventory from Brainerd City Engineering is at: <http://www.ci.brainerd.mn.us/engineering/dwsma/>
- Wellhead Protection Rule at: <http://www.health.state.mn.us/divs/eh/water/swp/whp/rules.htm>

WELLHEAD PROTECTION PLAN

FOR

BRAINERD PUBLIC UTILITIES

PART 2

CONTAMINANT SOURCE MANAGEMENT STRATEGY

Prepared by
Brainerd Public Utilities Staff
with assistance from the
Minnesota Department of Health
And the Minnesota Rural Water Association

Introduction

The intent of Part 2 of the Wellhead Protection Plan is to solidify a contaminant source management strategy based on the delineation of the Wellhead Protection Area (WPA), the Contaminant Source Inventory database itself, and future changes expected to be seen either in the WPA or the well supplier itself. With these three collections of data we can begin to identify our Goals, Plans, and Objectives for this strategy.

The following report has been laid out in format of the Wellhead protection rule prepared by the Minnesota Department of Health (MR4720.5100 to 4720.5980).

Impact of Changes on the Public Water Supply Well(s)

Changes identified.

Expansion of Industrial Park Area - slow at this time

Expansion of Residential Area - slow at this time

Impact of Changes

Possibility of introducing new possible contaminant sources

Not likely due to our slow growth in area

Possibility of larger capture zones due to growth or expanded water sales

Not likely due to our slow growth in water sales.

Issues, Problems, and Opportunities.

Agricultural sources

Continuously cropped fields

General activities

Domestic water supply wells

On-site sewage treatment systems

Fuel storage

Industrial activities

Brainerd Industrial Park

Transportation corridors

City, county and township roads

Wellhead Protection Goals.

To protect our aquifer from potential contaminant sources whether they are contaminant sources that are there at present or will appear in some fashion in the future.

Make the community of Brainerd aware of the DWSMA and possible impacts that they could have on it through their land use or that commuters could have on it while traveling and or staying in Brainerd.

Objectives and Plan of Action.

Educate the local community about the need for a wellhead protection plan

Through the use of our monthly newsletter we will distribute educational material on wellhead protection in general and its specifics as applied to Brainerd Public Utilities.

Educate landowners regarding private wells and onsite sewage systems on the impact to the municipal drinking water system.

Provide Education material to land owners in the industrial park about the potential contaminate hazards that would impact the municipal drinking water system

Work with other city departments to protect our DWSMA

Have spill management Plan with Brainerd Fire Department to keep contaminants relating to transportation accident from impacting the DWSMA.

Create a pamphlet for the zoning department to hand out to land owners that are expecting to or going to construct new facilities within the DWSMA

Evaluation Program.

?

Alternate Water Supply; Contingency Strategy.

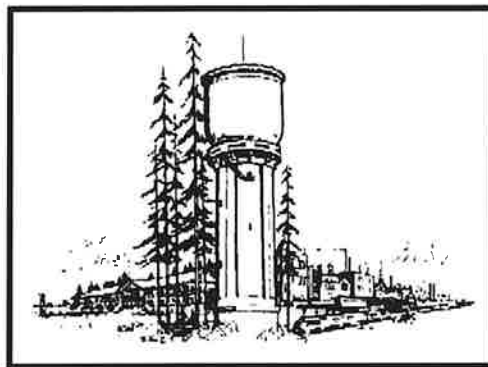
(See Brainerd's Water Emergency and Conservation Plan as prepared for the DNR)

Brainerd Public Utility's Wellhead Protection Plan

WELLHEAD PROTECTION PLAN

FOR

BRAINERD PUBLIC UTILITIES



**Including the delineation of the
Wellhead Protection Area
and the
Drinking Water Supply Management Area**

Prepared by
Brainerd Public Utilities Staff
with assistance from the
Minnesota Department of Health

January 1997

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~~Note~~ -- All Tables and Figures may be found attached at the end of this report.

Introduction

This report documents the delineation of the Wellhead Protection Area (WHP) and the Drinking Water Supply Management Area (DWSMA) for the City of Brainerd, Minnesota. These delineations were performed in accordance with draft rules for preparing and implementing wellhead protection measures for public water supply wells which were prepared by the Minnesota Department of Health (MR4720.5100 to 4720.5980).

The wellhead protection area for the water supply for the city Brainerd was determined by 1) using an analytical element groundwater flow model to identify the capture zone for the wells and 2) incorporating the land surface drainage area which contribute recharge to the well's capture zone. The drinking water supply management area was determined by overlaying the boundaries of the wellhead protection area on a map showing property parcel boundaries. All property parcels which are partially or completely within the capture zone or which are likely to contribute surface water run off to it were included in the drinking water supply management area.

Figure 1. Shows the boundaries of the wellhead protection area.

Figure 2. Shows the boundaries of the drinking water supply management area.

Hydrogeological Setting

The City of Brainerd is located approximately 14 miles due east of the geographical center of the State of Minnesota. The Mississippi River enters the city limits in north and exits in the southwest. The City of Brainerd covers approximately 6,300 acres of land and water. The topography of the city can be described as relatively flat in the northeast, east, and central portions of the city and gently rolling in the west and south.

The geologic map Figure 3 shows the material everywhere in and near Brainerd that overlies the solid rock, or crust, of the earth is a thick mantle of unconsolidated material which is the contribution of several layers of material left by the invasions of glaciers. It is irregular in thickness and hereabouts ranges from 90 to 250 feet and possibly more. The greater depths indicate the gouged out areas in the underlying rock ledge that became filled. The flat bottomed lands are at an elevation which is 40 feet lower than the general highland level. Each glacial invasion left a characteristic assortment of material but all of it is always ground up rock of varying finesse. It is a combination of flat lenses of limited dimensions which in one area tend to be so finely grained as to be clay and elsewhere so coarse as to be boulders. Between these two extremes are the fine, medium and coarse sand and the small or large gravel. These several kinds or sizes occur inter-layered and seldom is any one kind present to the complete exclusion of the other. The general pattern of the glacial drift mantle at the well field is fortunately simple. It consists of a thick mass of gray material overlain by a thinner mass of brownish-red material. The top brownish red layer is 60 to 100 feet thick and is dominantly a medium-grained sand but it contains huge boulders and lenses of clay and masses of hardpan and gravely sands. The underlying gray material is preponderantly a clean fine sand and is always gray in color.

City Water Supply

The City of Brainerd withdraws water from one or more of the six (6) wells, each constructed in the Mississippi River Alluvial sand and gravel. All six wells are located linearly along the river, upstream from the water treatment plant location except for Well #8 which is located easterly away from the river as shown on the attached map Figure 4. Well data for the wells are included in Table 1. Well logs for each of the six wells are attached within this report.

The six wells capacities are 8,850 gallons per minute (GPM) or 4651 million gallons per year (MGY). However the nominal treatment capacity of the water treatment plant remains at 4,583 (GPM), or 2,409 (MGY).

Brainerd's average daily demand is 1.8 Million gallons per day (MGPD) and the maximum projected peak day demand is 4.4 MGPD, Brainerd's well capacity can meet the average daily demand of 1.8 MGPD and with three (3) to four (4) wells out of service Brainerd's well capacity is capable of meeting the projected peak demand of 4.4 MGPD.

It should be noted that all of Brainerd's water supply is from ground water sources. Brainerd does not have a surface water source or the facilities to treat surface water.

For more information regarding the City water supply please refer to our report completed for the DNR called Water Emergency and Conservation Plan for the City of Brainerd.

Criteria used to delineate the Wellhead Protection Area

The following values were used to address the five criteria for delineating the wellhead protection area which are specified in draft rule MR4720.

Time of travel - The minimum time of travel of 10 years was used to characterize groundwater movement in the aquifer supplying the city's well field.

Flow boundaries - The following flow boundaries were considered.

Surface water features - The Mississippi River enters the city limits in north and exit in the southwest corner of the city limits. The Mississippi River does not affect the configuration of the WPA area and was not incorporated in the ground flow model but it does provide a natural barrier from infiltration to the west of our well field. With help from the Department Health and using a more sophisticated computer algorithm it was determined that a creek running near our Well Head Protection area does effect the capture zones of our wells and needed to be added to our WHP area. So we then used a topographical map to incorporate a surface water shed area that contributes to our DWSMA area. This area includes the surface water shed that contributes to the creek's water supply.

Geological boundaries - Boring logs (Appendix 4) were used to define the subsurface geologic conditions in the Brainerd area.

High capacity wells- There are no high capacity wells other than the city wells located in the calculated wellhead protection area. There are a small number of residential wells located in the eastern area of the wellhead protection area whose pumping will have little or no influence on the movement of the groundwater toward the city wells.

Overland drainage- There is likely to be some recharge to the wellhead protection area, recharge was used in the calculation of the capture zone.

Daily volume of water pumped - Water log data records were used to identify the annual water pumped by the utility wells for the previous five years as shown in Table 2. The city estimates that their projected annual water use for the next five years will not exceed that for the previous five years. The daily volume of water pumped for the six wells is 275.7 cubic feet per minute, 16542 cubic feet per hour or 397,008 cubic feet per day.

Groundwater flow field- The groundwater flow field was determined using the Modular Semi- Analytical Model for Delineation of The Wellhead Protection Area. Modeling results were compared with the static level contour map (Figure 5) that was developed using boring logs (Appendix 1) from various locations through out the area of the city of Brainerd.

Aquifer transmissivity-The transmissivity of the materials pumped by well #8 is 61,000 ft. squared per day and was determined using the early time data from a pumping test on this well conducted by the Minnesota Department of Health. The analysis of the pumping test is presented in Appendix 2.

Methods used to delineate the Wellhead Protection Area

The Single Layer Analytical Element Model (SLAEM) version 2.21 developed by Dr. Otto Strack at the University of Minnesota was used to determine the capture zone for City of Brainerd.

The following assumptions were used to construct the model :

- 1) There is no vertical resistance to groundwater flow within the geologic materials defined in the model. This is a basic assumption incorporated into SLAEM.
- 2) The hydraulic conductivity of the aquifer was determined from the pumping test of City Well #8 was used throughout the model.
- 3) The hydraulic head assigned to linesink elements was determined from the survey of static water level elevations. Figure 5
- 4) A rainfall function was used to simulate infiltration because the aquifer is unconfined throughout the area modeled.

The aquifer module was used to define the hydrogeologic characteristics of the principle geologic materials identified as the aquifer. The following parameters and their corresponding values were used.

Permeability = 544 feet per day

Aquifer thickness = 195'

Base elevation of the aquifer = 1013

Aquifer porosity = 25% (estimated)

Rain function used to simulate infiltration = .0017 feet per day

The following provides the information and logic to assign the values to the model parameters listed above.

Permeability - was derived by dividing the aquifer transmissivity value of 61000 ft² per day by the estimated aquifer saturated thickness of 112'

Aquifer thickness- was derived by subtracting the base elevation of the aquifer from the ground elevation at Well #8

Base elevation of the aquifer - was derived from the Water-Bearing Stratum Report prepared by Carl Zapffe for the City of Brainerd

Aquifer porosity - was estimated and based on the assumption that the terrace deposits consist of interlayer beds of sand and gravel with lenses of fine grained red and gray sand.

Rain function - was derived from precipitation data logs for the period 1990 through 1995 Table 3. The six year average precipitation amount would more accurately reflect long-term precipitation and infiltration amounts. The average annual amount of precipitation for the six year period was 29.47 inches. An infiltration rate of 25% or 7.37 inches/year (.0017 feet/day) was determined using an estimated aquifer thickness of 25%.

References Cited

Zapffe, Carl, 1947, The Water Bearing Stratum in the City of Brainerd

Toltz, King, Duvall, Anderson and Associates, 1993, Water System Study for the City of Brainerd

Brainerd Public Utility, 1996, Water Emergency and Conservation Plan for the City of Brainerd

BRAINERD WELL DATA

TABLE 1.

	WELL 3	WELL 4	WELL 5	WELL 6	WELL 7	WELL 8
Unique well number	232347	232248	232349	232350	232352	403973
Location	See Fig. #B2	See Fig. #B2	See Fig. #B2	See Fig. #B2	See Fig. #B2	See Fig. #B2
Year Installed	1938	1944	1947	1947	1955	1987
Casing Diameter	16"	16"	16"	16"	20"	20"
Casing Depth	73'	73'	105'	100'	88'	144'
Screen Length	52'	47'-8"	45'	42'	63'	45'
Well Depth	120' - 6"	120'	150'	145'	150'	187'
Water Bearing Formation	Mississippi River Alluvial	Mississippi River Alluvial	Mississippi River Alluvial	Mississippi River Alluvial	Mississippi River Alluvial	Mississippi River Alluvial
Pump Type	Vertical 60 HP Turbine	Vertical 60 HP Turbine	Vertical 100 HP Turbine	Vertical 100 HP Turbine	Vertical 150 HP Turbine	Vertical 125 HP Turbine
Capacity	1250 GPM	1000 GPM	1200 GPM	1200 GPM	2600 GPM	1600 GPM
Total Dynamic Head	160'	148'	210'	248'	220'	220'
Casing Type	Steel	Steel	Steel	Steel	Steel	Steel
Driller	McCarthy	McCarthy	McCarthy	McCarthy	McCarthy	Inwin
Service Type	Permanent	Permanent	Permanent	Permanent	Reserve	Perm./Emerg.

Annual water pumped from city wells and Well Coordinates

Table 2.

	<i>Well # 3</i>	<i>Well # 4</i>	<i>Well # 5</i>	<i>Well # 6</i>	<i>Well # 7</i>	<i>Well # 8</i>
			Est.			
1990	235,161,000	182,997,000	73,326,000	242,555,000	25,088,000	* 0
1991	170,660,000	192,291,000	94,942,000	268,573,000	17,922,000	* 0
1992	141,397,000	109,193,000	93,217,000	148,745,000	28,808,000	67,035,000
1993	68,474,000	72,653,000	102,350,000	111,496,000	160,487,000	92,464,000
1994	89,115,000	82,474,000	92,923,000	130,516,000	139,250,000	110,305,000
	298,986,000	264,320,000	288,490,000	390,757,000	328,545,000	269,804,000
			Meter Not Accurate			* Not in Service
County coordinate system						
	Well # 3	Well # 4	Well # 5	Well # 6	Well # 7	Well # 8
X-Coord.	565191.2	565109.0	565012.7	565050.3	564926.2	566324.1
Y-Coord.	168083.9	167931.5	167603.3	167749.0	167393.2	167680.4

Precipitation Data

Table 3.

Precipitation

	1990	1991	1992	1993	1994	1995	Average
Jan	0.21	0.41	0.48	1.19	1.37	0.96	0.77
Feb	0.70	1.11	0.42	0.11	0.65	0.75	0.62
Mar	2.76	1.67	1.44	1.38	1.39	2.91	1.93
Apr	3.64	3.69	1.75	1.85	4.20	2.02	2.86
May	1.73	4.44	2.72	6.68	2.87	3.17	3.60
Jun	4.43	6.53	4.42	4.67	4.27	0.87	4.20
Jul	4.14	3.34	3.10	4.15	2.71	6.08	3.92
Aug	1.78	1.64	4.60	4.71	3.48	6.83	3.84
Sep	1.91	3.78	1.91	2.18	3.56	2.83	2.70
Oct	3.84	1.11	0.61	0.52	4.46	5.72	2.71
Nov	0.44	2.40	2.02	2.22	1.63	0.89	1.60
Dec	0.80	0.50	0.92	0.66	0.32	1.17	0.73
Average	2.20	2.55	2.03	2.53	2.58	2.85	2.46
Total	26.38	30.62	24.39	30.32	30.91	34.20	29.47

February 14, 2022

Mr. Scott Magnusson, Superintendent
Brainerd Public Utilities
P.O. Box 373
Brainerd, Minnesota 56401-0373

Dear Mr. Magnusson:

Subject: Scoping 2 Decision Notice and Meeting Summary – Brainerd Public Utilities – PWSID 1180002

This letter provides notice of the results of the second scoping meeting held with you and I at the Brainerd Public Utilities Office, and Aaron Meyer (Minnesota Rural Water Association via phone), on January 21, 2022, regarding Part II of your wellhead protection (WHP) plan. During the meeting, we discussed data elements that must be compiled and assessed to prepare the part of the WHP plan related to the management of potential contaminants in the approved drinking water supply management area. The enclosed Scoping 2 Decision Notice lists the data elements discussed at the meeting. The data elements must be compiled and assessed in terms of their present and future implications on the 1) use of the well(s), 2) quality and quantity of water supplying the public water supply wells(s), and 3) land and groundwater uses in the drinking water supply management areas. We also discussed a summary of planning issues identified during the Part I WHP Plan development process which should be considered for inclusion in your Part II WHP Plan.

Brainerd Public Utilities has met the requirements to distribute copies of the first part of the WHP plan to local units of government and hold an informational meeting for the public. Brainerd Public Utilities will have until July 1, 2024, to complete its WHP plan.

If a data element is marked on the enclosed notice as a data element that must be used and it does not exist, it is helpful if your plan notes this. MDH understands a consultant, not determined yet, will be working with you to develop a draft of the remainder of the WHP plan. Chris Parthun, recently assigned as MDH Planner to Crow Wing County will be contacting you to review the progress of the development of Part II of your plan. If you have any questions regarding the enclosed notice, please contact Chris by email at chris.parthun@state.mn.us or by phone at 218-308-2109.

Sincerely,



Chad Anderson, Planner
Source Water Protection Unit
3333 Division Street, Suite #212
St. Cloud, Minnesota 56301

CA:ds-b

Enclosures: Scoping 2 Decision Notice, PCSI Requirements, WHP Planning Issues Summary

cc: Jennifer Soltys, MDH Engineer, MDH St. Cloud District Office
Aaron Meyer, Groundwater Specialist, Minnesota Rural Water Association
Luke Stuewe, Minnesota Department of Agriculture
Chris Parthun, MDH Planner, MDH Bemidji District Office

SCOPING 2 DECISION NOTICE – GROUNDWATER AND SURFACE WATER
CONTRIBUTION AREA DWSMA

Date: February 11, 2022

Name of Public Water Supply: Brainerd Public Utilities

PWSID: 1180002

Name of the Wellhead Protection Manager: Mr. Scott Magnusson, Superintendent

Address: P.O. Box 373

City: Brainerd

Zip: 56401-0373

Phone: 218-829-8276

Primary Unique Well Numbers: 232347 (Well #3), 232348 (Well #4), 232349 (Well #5),
232350 (Well #6), 232352 (Well #7), 403973 (Well #8)

DWSMA Vulnerability: ☐ Low ☐ Moderate ☐ High

☒ Surface Water Contribution Area (SWCA)

The purpose for the second scoping meeting, as required by Minnesota Rules, part 4720.5340, is to discuss the information necessary for preparing Part 2 of a Wellhead Protection Plan. The Part 1 Plan identifies the area that provides the source of drinking water for the public water supply (PWS) and assesses how vulnerable that area is to contamination. The PWS can utilize that information to develop land use and management practices that protects their groundwater resource from contamination.

The wellhead rule (Minnesota Rules, part 4720.5340) refers to the information required for wellhead planning as data elements. This notice lists the data elements that are stated in Minnesota Rules, part 4750.5400 and are selected for the PWS because of the vulnerability of the drinking water supply management area (DWSMA) as determined in Part 1.

Scoping 2 Data Elements Needed for the Part 2

Data Elements are pieces of information in the form of a map, a list, records, tables, and inventories. Where appropriate, they should be reviewed and assessed in terms of their present and/or future implications on the 1) use of the well(s), 2) quality and quantity of water supplying the public water supply wells(s), and 3) land and groundwater uses in the DWSMA. It is important to discuss the relevance of the data elements to management of the DWSMA. Check the technical assistance comments for guidance on reviewing the data elements and conducting these assessments. Clearly identify in the plan which data elements are associated with which tables/figures. If a data element does not exist, state that in the narrative.

Submit –

The following information, highlighted with an **asterisk* with blue text**, MUST be submitted in the Part 2 by including it in the plan narrative and/or appendix.

- ☐ ***A map that indicates the vulnerability and includes the DWSMA, WHP Area, and Emergency Response Area must be included in the Part 2.** This map with vulnerability is a product of the Part 1 and provides a basis for planning activities in Part 2. SWP Planner can provide the DWSMA figure.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT –

Soils

- ☐ ***Existing maps of the soils and a description of soil infiltration characteristics.**
- ☐ ***A description or an existing map of known eroding lands that are causing sedimentation problems.**

Technical Assistance Comments: Infiltration characteristics and active erosion sites, along with land cover/land use and potential contaminant source information, should be assessed to determine the potential for the transport of contaminants into vulnerable areas of a DWSMA. The review of soils, infiltration, and erosion characteristics may identify opportunities for management strategies or targeted practices that reduce contaminant migration into groundwater.

DATA ELEMENTS ABOUT THE LAND USE –

Land Use

- ☐ ***An existing map of political boundaries.**
- ☐ ***An existing map of public land surveys including township, range, and section.**

Technical Assistance Comments: A map or maps showing updated political boundaries and township, range, section with labels is required for determining land use authorities for the land within the DWSMA. DWSMA figure map provided by SWP Planner will also contain political boundaries with township, range, and section. Determine and discuss how the various land use authorities may affect the management of the DWSMA.

SCOPING 2 DECISION NOTICE – GROUNDWATER AND SURFACE WATER
CONTRIBUTION AREA DWSMA

- A map and an inventory of the current and historical agricultural, residential, commercial, industrial, recreational, and institutional land uses and potential contaminant sources.
 - *The Potential Contaminant Source Inventory (PCSI) data in both a table and a map format must be created and included in the Part 2. Include potential contaminant sources as listed on the PCSI attachment provided for each existing vulnerability within the DWSMA. The Scoping 2 Meeting WHP Planning Issues Summary may also be used to provide guidance on the PCSI.

Surface Water Contribution Area:

- Inventory potential contaminant sources in the surface water contribution area as identified in the *Highly Vulnerable Surface Water Contribution Area* PCSI attachment.

Groundwater Contribution Area(s):

- Inventory potential contaminant sources in the highly vulnerable area as identified in the *Highly and Very Highly Vulnerable DWSMA* PCSI attachment.
- Inventory potential contaminant sources in the moderately vulnerable area as identified in the *Moderately Vulnerable DWSMA* PCSI attachment.

The inventory should include your community wells but not include any wells that are known to have been sealed according to the Minnesota Well Code (MN Rules 4725).

- *A land use/land cover map and table. SWP Planner can provide a land cover map and data/table from federal sources. This data set should be used unless an alternative electronic data set that is more current and detailed is available. Assess and discuss changes in land use that could impact management of the DWSMA.
- *An inventory of the Inner Wellhead Management Zone (IWMZ). A recent IWMZ inventory (within six years) for each primary well with management recommendations on the MDH form, or a table that summarizes the number and type of contaminant sources with the management recommendations must be included. Incorporate or reference the recommendation(s) from the IWMZ into the Part 2. IWMZ will be completed by the SWP Planner with assistance from the PWS staff. A copy will be provided to the PWS.

Technical Assistance Comments: This section encompasses the Potential Contaminant Source Inventory known as the PCSI. See the Scoping 2 Decision Notice Potential Contaminant Source Inventory Requirement Attachment(s) and endorsement procedures/fact sheets for further information. Utilize the PCSI geodatabase attribute template provided by SWP Planner. Management strategies must be developed for potential sources of contamination that pose a risk to the drinking water supply.

SCOPING 2 DECISION NOTICE – GROUNDWATER AND SURFACE WATER
CONTRIBUTION AREA DWSMA

- ☐ *An existing comprehensive land-use map.
- ☐ *An existing zoning map.

Technical Assistance Comments: This information can indicate areas in the DWSMA where growth or the addition of potential contaminant sources is likely to occur. Furthermore, the review of local zoning and comprehensive land-use maps facilitates the evaluation of the degree of compatibility current and future land uses have with the PWS goals of protecting the drinking water wells and aquifer.

Public Utility Services

- ☐ *An existing map of transportation routes or corridors.

Technical Assistance Comments: Highway and railroad corridors can be used to move hazardous materials. These corridors should be evaluated to determine the level of risk they pose for spills in the DWSMA, considering their proximity to the wells, the local topography, and geologic conditions.

- ☐ *An existing map of storm sewers, sanitary sewers, and public water supply systems.

Technical Assistance Comments: Storm sewer systems and sanitary systems can be sources of contamination. Storm sewers are generally considered a public utility element designed to convey storm water runoff and use constructed features such as pipes and ponds. Evaluate the integrity and condition (age, type of material, any investigative work, etc.) of these systems in the DWSMA, noting the location of the water supply system and public water supply wells in relation to these potential contaminant sources. It is not necessary to include a map of your public water supply system in the Part 2 if you believe it would pose a threat to the security of your system.

- ☐ *An existing map of the gas and oil pipelines used by gas and oil suppliers.

Technical Assistance Comments: Petroleum pipelines can be sources of contamination (excluding liquefied natural gas pipelines). If possible, describe what is generally known about the condition of these pipelines in the DWSMA, and the readiness of the PWS to respond to an emergency. It is not necessary to include a map in the Part 2 if you believe it would pose a security threat.

Required to be discussed in the plan-

The following information (if existing) MUST be reviewed and discussed in the development of the Part 2. The Part 2 narrative must contain a description identifying whether/how the information may influence the management of the DWSMA. The data element may be located in the public domain. While the map or document reviewed is not required to be included in the Part 2, the source of the data element must be provided in the plan narrative by indicating a web address or reference to its location. Provide a statement in the plan narrative if the data element does not apply or does not exist.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT –

Precipitation

- An existing map or list of local precipitation gauging stations.
- An existing table showing the average monthly and annual precipitation in inches for the preceding five years.

Technical Assistance Comments: Assess and describe any issues and management needed in the DWSMA based on precipitation. Precipitation data can be reviewed but maps and tables are available in the public domain and do not need to be attached unless there are management implications for the DWSMA. Highlight any issues or concerns for the DWSMA from high intensity precipitation events.

Water Resources

- An existing map of the boundaries and flow directions of major watershed units and minor watershed units.

Technical Assistance Comments: Identify/list the major and minor watershed(s) in the Part 2 in order to become aware of local water planning efforts such as One Watershed One Plan (1W1P), Watershed Restoration and Protection Strategies (WRAPS), and/or Groundwater Restoration and Protection Strategies (GRAPS).

- An existing map and a list of public waters as defined in Minnesota Statutes, section 103G.005, subdivision 15, and public drainage ditches.

Technical Assistance Comments: Public waters and public drainage ditches/systems can help mobilize and transport contaminants. Use the Department of Natural Resources Buffer Protection Map and/or other available maps of ditches that have been publicly recorded (county/judicial ditches). Include a summary or excerpt of any relevant information from the Part 1. Public drainage systems and public waters should be assessed to determine the level of risk they pose in the DWSMA. Identify land uses that could contribute contaminants to the public drainage system and identify any ongoing remediation activities.

SCOPING 2 DECISION NOTICE – GROUNDWATER AND SURFACE WATER CONTRIBUTION AREA DWSMA

- The shoreland classifications of the public waters listed under subitem (2), pursuant to part 6120.3000 and Minnesota Statutes, sections 103F.201 to 103F.221.

Technical Assistance Comments: Assess and describe any issues or opportunities for potential contaminant source or land use management in the DWSMA based on the shoreland classification and existing regulations. Surface waters should be assessed for their likelihood of being a potential transporter of contaminants. Public waters classifications provide an indicator of likely potential contaminant sources based on the land development in proximity to, and density around, those public waters. Other land use tools, such as shoreland overlay districts or setback requirements from the shoreline for contaminants may also provide an opportunity to address drinking water protection concerns.

- An existing map of wetlands regulated under Chapter 8420 and Minnesota Statutes, section 103G.221 to 103G.2373.

Technical Assistance Comments: Assess and describe any issues and management needed based on the proximity of wetlands in the DWSMA. Wetland data sets and/or maps are available in the public domain, and while not required, can be included if beneficial and relevant to plan development. Depending on the results of the Part 1, specific wetland features may have been identified as an important recharge feature to the wellfield. Wetlands are often lower in elevation than surrounding landscapes and may serve as natural catchment basins for overland flow and stormwater runoff. The catchment area of runoff should be assessed, since stormwater runoff can contain various potential contaminants depending on the landscape.

- An existing map showing those areas delineated as floodplain by existing local ordinances.

Technical Assistance Comments: Assess and describe any issues and management needed in the DWSMA based on the Federal Emergency Management Agency (FEMA) Floodplain 100-year FIRM (Flood Insurance Rate Map) and (or) other State and local floodplain or flooding information. Consult with the WHP Manager to evaluate any potential or historical flooding impacts on the public water supply wells or aquifer. The Inner Well Management Zone report and Sanitary Survey may be used to identify flooding issues and impacts.

DATA ELEMENTS ABOUT THE LAND USE –

Land Use

- An existing map of parcel boundaries.

Technical Assistance Comments: Parcel boundaries may have been used for delineation of the DWSMA in Part 1. In Part 2, parcel identification information must be included or linked and must be used for education or targeting activities or practices in addressing potential contaminants. In the narrative, indicate if parcel data is available from the public domain (i.e. county GIS or associated website such as Beacon).

Part 1 -

The following information was reviewed and assessed in developing the Part 1. Some data elements may be in the public domain or non-existent, and others may have been determined by the MDH hydrogeologist to be not applicable to the physical setting, so discussion was not included in the Part 1. The Part 1 should be used as a data source for the Part 2. The technical assistance comments provide the requirements for how this information must be discussed and/or included in the Part 2. Include relevant excerpts or summaries from the Part 1 where indicated.

DATA ELEMENTS ABOUT THE PHYSICAL ENVIRONMENT –

- An existing geologic map and a description of the geology, including aquifers, confining layers, recharge areas, discharge areas, sensitive areas as defined in Minnesota Statutes, section 103H.005, subdivision 13, and groundwater flow characteristics.
- Existing records of the geologic materials penetrated by wells, borings, exploration test holes, or excavations, including those submitted to the department.
- Existing borehole geophysical records from wells, borings, and exploration test holes.
- Existing surface geophysical studies.

Technical Assistance Comments: Provide a summary in the plan narrative (few sentences/paragraph) of the Description of the Hydrologic Setting from Part 1. Provide the conclusions regarding the Well and DWSMA Vulnerabilities related to the geologic conditions and how these conditions influence the management of the DWSMA.

DATA ELEMENTS ABOUT THE LAND USE –

Public Utility Services

- An existing record of construction, maintenance, and use of the public water supply well and other wells within the DWSMA.

Technical Assistance Comments: Well construction records indicate what is known about the well(s) and can indicate if the well(s) have structural integrity or groundwater protection issues. Briefly summarize in the plan narrative what is discussed about each well from the Assessment of Well Vulnerability in Part 1.

DATA ELEMENTS ABOUT WATER QUANTITY –

Surface Water Quantity

- An existing description of known water-use conflicts, including those caused by groundwater pumping.
- An existing description of high, mean, and low flows on streams.
- An existing list of lakes where the state has established ordinary high-water marks.
- An existing list of permitted withdrawals from lakes and streams, including source, use, and amounts withdrawn.
- An existing list of lakes and streams for which state protected levels or flows have been established.

Technical Assistance Comments: This information, if known, was incorporated into the Part 1 and was used to assist in model development and the delineation of the protection areas. Provide a summary from Part 1 in the plan narrative about the interactions between surface water features and the groundwater and if there are water use or pumping conflicts. Provide a summary of any impacts from a surface water quantity perspective that surface water features may have on management of the DWSMA. Additional technical assistance can be provided by contacting the MDH hydrologist.

Groundwater Quantity

- An existing list of wells covered by state appropriation permits, including amounts of water appropriated, type of use, and aquifer source.
- An existing description of known well interference problems and water use conflicts.
- An existing list of state environmental bore holes, including unique well number, aquifer measured, years of record, and average monthly levels.

Technical Assistance Comments: This information, if known, was incorporated into the Part 1 and was used to assist in determining hydrologic boundary conditions and area static water levels. In Part 2, information about Department of Natural Resources appropriation permit holders and any known well interference problems or water use conflicts must be discussed, including how this information could affect the management of the DWSMA.

DATA ELEMENTS ABOUT WATER QUALITY –

Surface Water Quality

- An existing summary of lake and stream water quality monitoring data, including: bacteriological contamination indicators, inorganic chemicals, organic chemicals, sedimentation, dissolved oxygen, and excessive growth or deficiency of aquatic plants.

Technical Assistance Comments: If available, provide a summary from Part 1 in the plan narrative. In Part 2, include any additional references to relevant sources of information (i.e., Total Maximum Daily Load (TMDL) Reports, Watershed Restoration and Protection Strategy (WRAPS), Minnesota Pollution Control Agency watershed information, or state and local agency data). Consider if any contaminants or identified trends have management implications. Provide a summary of any impacts from a surface water quality perspective that surface water features may have on management of the DWSMA.

Groundwater Quality

- An existing summary of water quality data, including: 1. bacteriological contamination indicators; 2. inorganic chemicals; and 3. organic chemicals.
- An existing list of water chemistry and isotopic data from wells, springs, or other groundwater sampling points.
- An existing report of groundwater tracer studies.

Technical Assistance Comments: This information, if known, was incorporated into the Part 1. Provide a summary of the assessment of well vulnerability and/or any relevant chemistry and isotopic composition data available from PWS wells and other wells/sources.

- An existing site study and well water analysis of known areas of groundwater contamination.
- An existing property audit identifying contamination.
- An existing report to the Minnesota Department of Agriculture and the Minnesota Pollution Control Agency of contaminant spills and releases.

Technical Assistance Comments: This information, if known, was incorporated into the Part 1. Discuss whether there are groundwater contamination areas that could pose a risk to the public water supply well(s) now or in the future. Include any relevant data and how this information may affect the management of the DWSMA.

Revised: 01/2022

To obtain this information in a different format, call: 651-201-4570. Printed on recycled paper.



Scoping 2 Meeting Wellhead Protection (WHP) Plan Amendment Summary of Planning Issues

This planning issues summary is intended to guide plan writers and WHP teams when developing their amendment. It highlights key issues identified to date that you should consider and discuss. It should not be considered a list of complete requirements for the amendment.

Public Water Supplier: Brainerd Public Utility (“BPU”, or “Utility”)

Summarize the management implications from minor changes in DWSMA or vulnerability:

- Overall, the new DWSMA is about 30 percent smaller than the previous delineation. This is primary due to changes in the 10-year capture zone boundaries and the elimination of the SWCA for Little Buffalo Creek.
- There has also been a significant change in the location of the SWCA. The former SWCA represented potential runoff to the highly vulnerable areas of the WHPA and to Little Buffalo Creek. However, the results of the monitoring project did not show a strong connection between Well #8 and Little Buffalo Creek, so it was determined that a SWCA for Little Rock Creek wasn’t necessary for this amendment. On the other hand, monitoring did indicate a fairly strong connection between the main wellfield and the nearby wetlands. For this reason, the current SWCA represents the catchment area to the wetlands.
- In the moderate vulnerability area, most of the wells have low geologic sensitivity ratings. However, isotopic data from several wells with similar geology, but located just beyond the DWSMA boundary, had measurable tritium indicating that there was young water present despite a significant thickness of clay-rich till. For this reason, the aquifer vulnerability rating was raised from low to moderate to reflect that the till is probably leaky.

Community changes and implications for management:

- Brainerd has experienced population growth, with 13,178 people in 2000, 13,590 in 2010, and a population of 14,395 in 2020. Assuming the growth rate of approximately 6 percent from 2010 to 2020 remains the same, the population over the next 10 years will grow to 15,259.

Key management activities to carry forward:

Note to plan writer: Update current language so management strategies are SMART (Specific, Measurable, Achievable, Relevant/Realistic, Timing). Consider using the MDH Management Strategy Catalog.

- An evaluation of the activities proposed in the WHP Plan of Action from the 2012 WHP Plan (Table 7) suggests that nine of the activities proposed were not completed as of the time the evaluation was conducted (July 14, 2021). The activities not listed as complete in the evaluation include Measures 5 (Monitoring, Data Collection & Assessment), 9, 10,11 (Well Inventory & Management), 15 (IWMZ & Municipal Well Management & Old Municipal Wells), 23 (Land Use Issues: Transportation, Residential & Stormwater), 34 (Education and Outreach), 37 (Land Use Planning & Zoning), and 40 (WHP Coordination, Reporting & Evaluation). MDH recommends that BPU review each Measure to confirm that the activity was not completed, and to determine whether each Measure should be a part of the next WHP Plan of Action.
- The July 2021 evaluation of the activities proposed in the 2012 WHP Plan indicates that Measures 1, 2, 3, 4, 6, 7, 8, 13, 16, 18, 20, 21, 22, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 35, 36, 38, 39, 41, 42 and 43 were all completed. Measures 12, 14, 17 and 19 were marked as “NA” for the evaluation. The nature of some of these measures is such that once they are complete, they may be eliminated, while the amended WHP Plan may be better with the continuation of several of the measures. MDH recommends that BPU analyze the management strategies that were written/included previously to determine which should be carried over to the new WHP Plan and if the language should be refined to fall in line more closely with the BPU’s experience with implementing the measure and their success/failure with it.

New management strategies to consider:

- Well Locating: The delineation in Part 1 of the Plan is based on very little well data. If new wells are constructed east of the Mississippi River and within one mile of the utility's wells, their locations should be verified. This information may allow a better understanding of the extent and thickness of the aquifer serving the BPU wells and could result in a more refined WHPA in the future.
- Planning for a Replacement Well(s): According to MDH records, several of the BPU wells are more than 70 years old. The BPU may want to include measures in their amended WHP Plan to take steps to prepare for the replacement of one or more of the older wells. The measures might include: the drilling of a test well(s), water quality sampling, and capacity testing.
- Water Quality Monitoring: The standard assessment monitoring package should be analyzed during year six, including the primary wells and wetlands, contingent on funding assistance from MDH for sampling and analysis. The utility may need to collect the samples and ship them to MDH. Information generated by this sampling will be used to refine vulnerability assessments for the next amendment.

SCOPING 2 DECISION NOTICE – GROUNDWATER AND SURFACE WATER CONTRIBUTION AREA DWSMA

- The 2012 WHP Plan mentions that research is needed on the status of 18 old municipal wells to determine if they are properly sealed (Section 3.1, part B, page 9). It doesn't appear that this was completed over during the life of the 2012 WHP Plan, and the evaluation conducted in July 2021 indicates that no old municipal wells were sealed.
- The 2012 WHP Plan mentions that there are four private wells greater than 100 ft. depth which need to be managed properly. It isn't clear if the owners have been engaged, and if not, the BPU may consider including this as an action item.

Old municipal wells that need to be sealed:

- The Old Municipal Well report for Brainerd lists 18 old municipal wells, none of which have a record of having been sealed. BPU might consider reviewing which of the old municipal wells should be sealed at this time – grant funding may be available to cover costs.

Important partnerships to maintain or establish:

- City of Brainerd
- Brainerd FD
- Crow Wing County, SWCD, Highway Department
- City of Baxter
- Lake Association?
- MDH, DNR, MNDOT, MPCA, MRWA

Water quantity issues and implications:

- Existing data do not suggest water quantity issues.

Water quality issues and implications:

- All wells are considered vulnerable to contamination due to tritium being detected in the well water. This is reinforced by the chloride concentrations and chloride/bromide ratios presented below. Elevated concentrations or concentration ratios indicate human-impacted water quality from activities at the land surface such as road salt or wastewater.
- At present, none of the contaminants for which the Safe Drinking Water Act has established health-based standards is found above maximum allowable levels in the utility's water supply, nor are any present at one-half of those levels.
- Naturally occurring arsenic has been detected at low levels in several wells, however, arsenic has not been detected in finished water that enters the distribution system.

Sanborn Maps:

- ☒ Sanborn Maps are available for this area.
- ☐ Sanborn Maps are not available for this area

Figure 1A
Wellhead Protection Area and
Drinking Water Supply Management Area
Brainerd Public Utilities

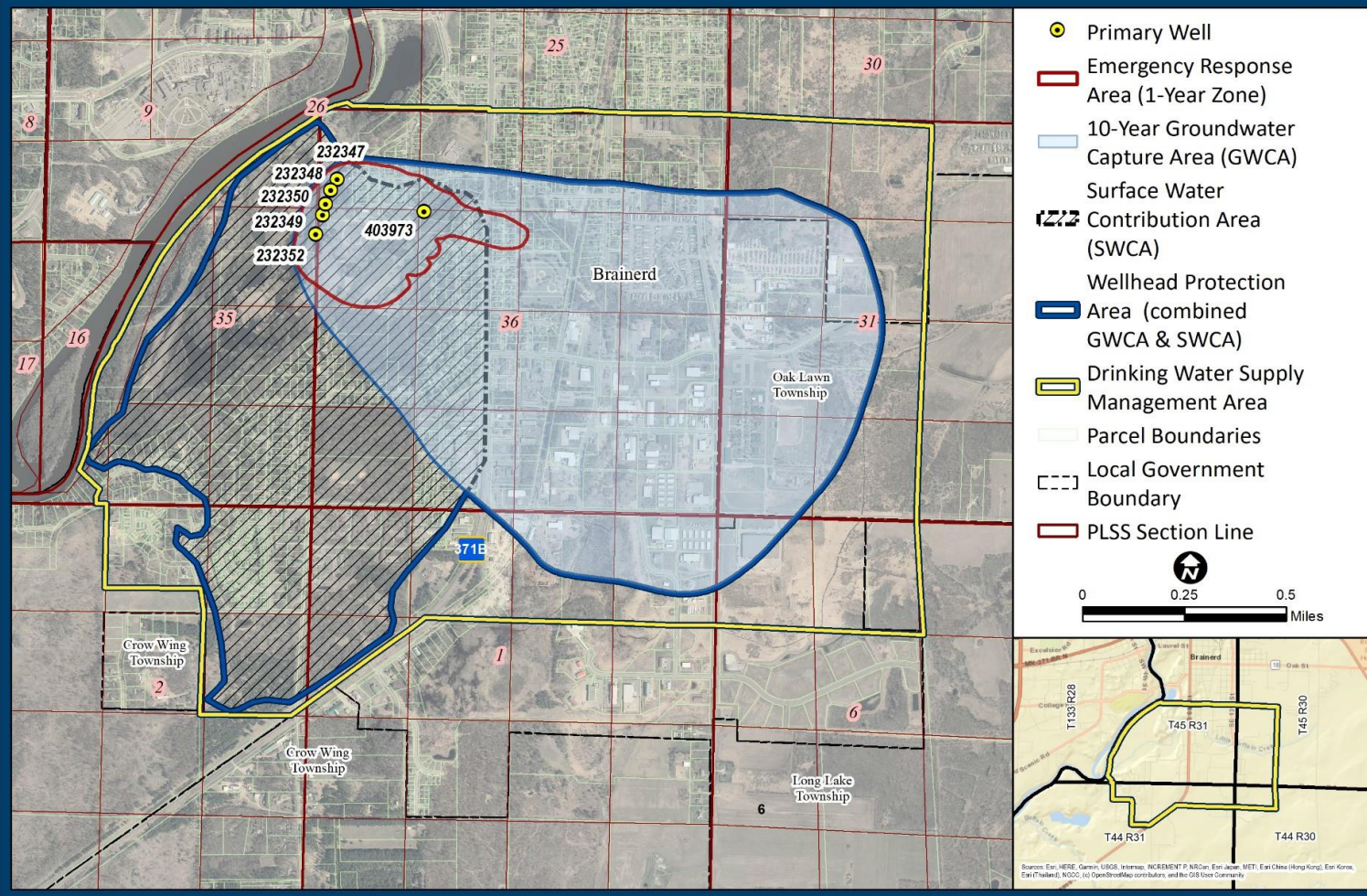


Figure 1B
Groundwater Protection Areas and Vulnerabilities
Brainerd Public Utilities

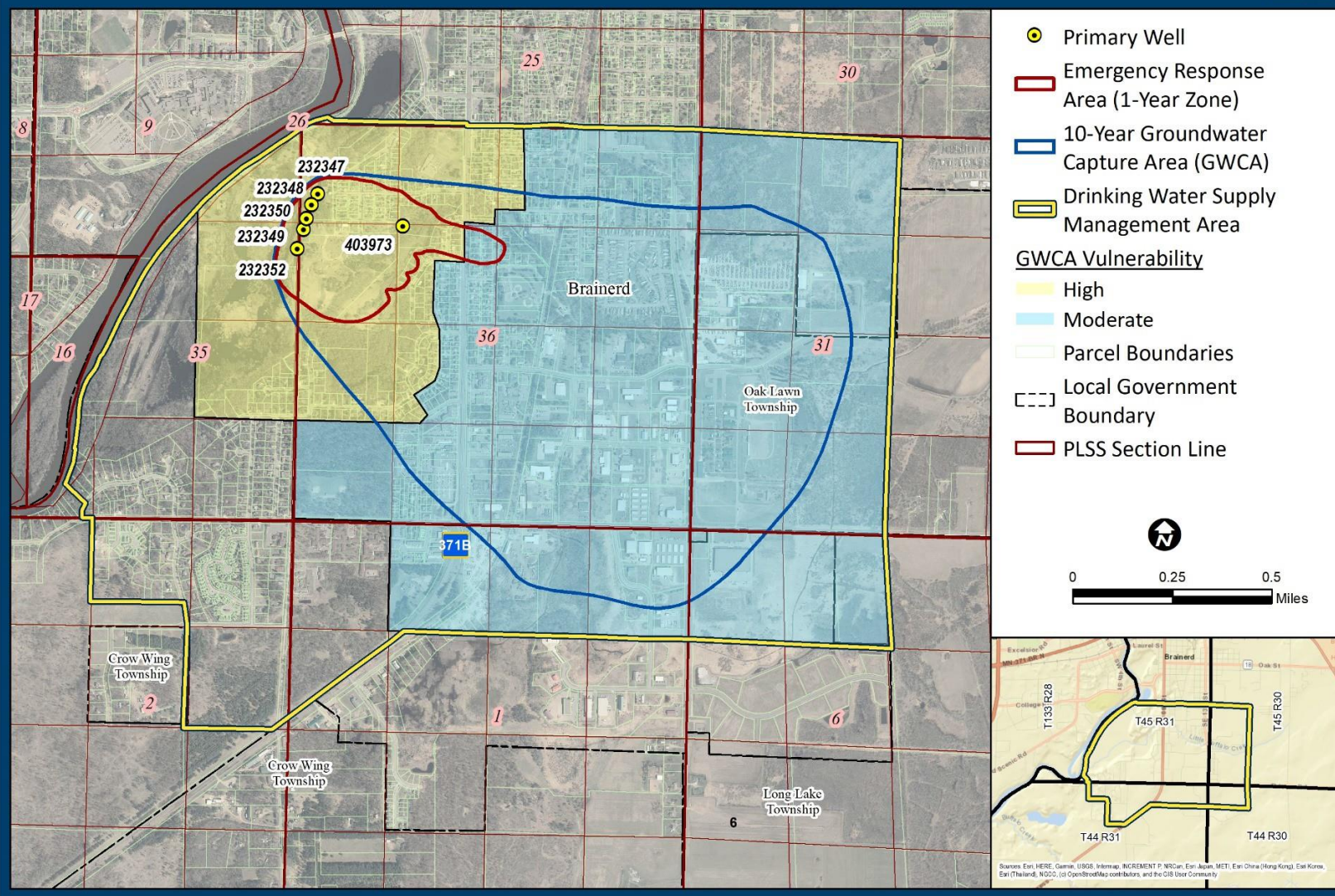
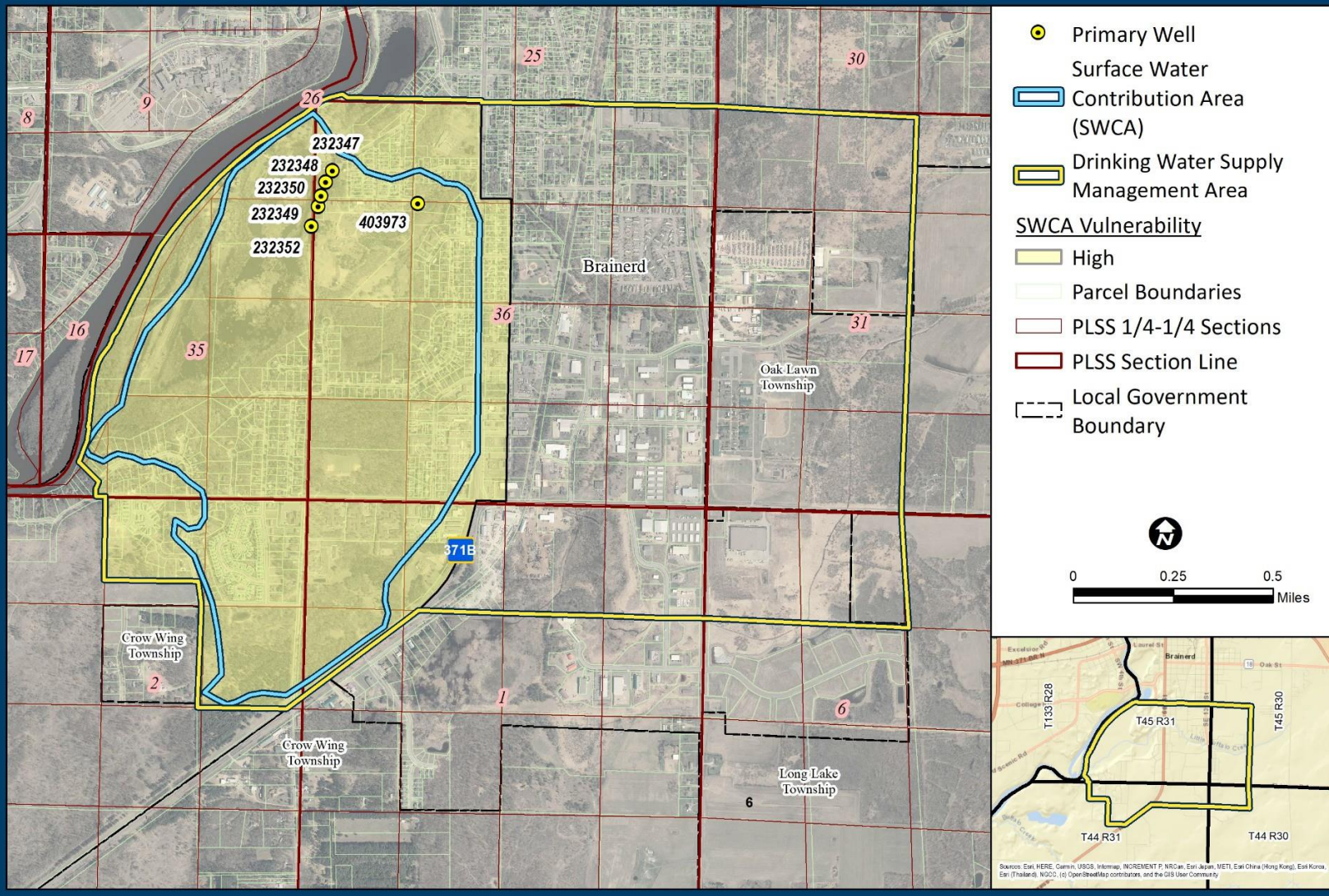


Figure 1C
Surface Water Contribution Area and Vulnerability
Brainerd Public Utilities



PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41010500	CITY OF BRAINERD	COMMON AREA			0.30
41010501	CITY OF BRAINERD	WARTHEN, ROBERT L	2405 HILLCREST DR	BRAINERD, MN 56401	0.04
41010502	CITY OF BRAINERD	BROWNE, CAROL M	2403 HILLCREST DR	BAXTER, MN 56425	0.03
41010503	CITY OF BRAINERD	NELSON, DONALD (50% INTEREST)	2401 HILLCREST DR	BRAINERD, MN 56401	0.04
41010552	CITY OF BRAINERD	JOHNSON, STEPHEN A & EILEEN A	1360 120TH ST SW	EAST GULL LAKE, MN 56401	1.44
41010553	CITY OF BRAINERD	JOHNSON, S & E FAMILY TRUST	1360 120TH ST SW	EAST GULL LAKE, MN 56401	1.45
41010554	CITY OF BRAINERD	AMERIGAS PROPANE LP	P O BOX 858	VALLEY FORGE, PA 19482	2.43
41010555	CITY OF BRAINERD	TAZ PROPERTIES OF BRAINERD LLC	5044 MARY ALLEN LANE	BRAINERD, MN 56401	2.33
41010556	CITY OF BRAINERD	BDT GROUP LLC	11869 COUNTY RD 45	BRAINERD, MN 56401	3.50
41010557	CITY OF BRAINERD	THOMPSON, KATHERINE	23493 HAVEN RD	LITTLE FALLS, MN 56345	4.80
41010558	CITY OF BRAINERD	NEW EARTH TECHNOLOGIES LLC	7756 COLLEGE RD	BAXTER, MN 56425	3.81
41010559	CITY OF BRAINERD	STERADIAN, LLC	1120 INDUSTRIAL PARK RD SW	BRAINERD, MN 56401	0.58
41010561	CITY OF BRAINERD	C & B INVESTMENTS LLC	11198 BRAYTON RD	BRAINERD, MN 56401	2.02
41010562	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.49
41010564	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	26.26
41010565	CITY OF BRAINERD	BUFFALO HILLS TOWNHOMES OWNERS ASSC	1100 COUNTY ROAD 44	BRAINERD, MN 56401	0.25
41010566	CITY OF BRAINERD	HILL, MARGARET J	2310 HILLCREST DR	BRAINERD, MN 56401	0.08
41010567	CITY OF BRAINERD	VAN ESSEN, JOHN	2308 HILLCREST DR	BRAINERD, MN 56401	0.05
41010568	CITY OF BRAINERD	KIRSCHNER, BETTY K	2306 HILLCREST DR	BRAINERD, MN 56401	0.05
41010569	CITY OF BRAINERD	KRAUTKREMER, GERALDINE A & LEANN G MCDONALD	2220 SPRUCE RD	BRAINERD, MN 56401	0.05
41010570	CITY OF BRAINERD	RIDER, KRISTIE	2302 HILLCREST DR	BRAINERD, MN 56401	0.08
41010584	CITY OF BRAINERD	FRANKLIN PROPERTIES LLC	20092 EDISON CIRCLE E	CLEARWATER, MN 55320	1.07
41010585	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.57
41010586	CITY OF BRAINERD	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	0.56
41010587	CITY OF BRAINERD	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	0.66
41010588	CITY OF BRAINERD	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	0.84
41010589	CITY OF BRAINERD	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	1.09
41010594	CITY OF BRAINERD	CAUGHEY, RUSSELL L JR & KATHRYN	3234 COUNTY ROAD 121	FORT RIPLEY, MN 56449	0.91
41010595	CITY OF BRAINERD	HALF MILE LLC	9292 EDGEWATER CIRCLE S	PEQUOT LAKES, MN 56472	0.63
41010596	CITY OF BRAINERD	DK INVESTMENTS LLC	1107 6TH ST S	BRAINERD, MN 56401	0.64
41010597	CITY OF BRAINERD	DK INVESTMENTS LLC	1107 6TH ST S	BRAINERD, MN 56401	0.70
41010598	CITY OF BRAINERD	BUFFALO HILLS, CONDOMINIUM ASSOC %E	2401 HILLCREST DR	BRAINERD, MN 56401	0.04
41010599	CITY OF BRAINERD	HALF MILE LLC	9292 EDGEWATER CIRCLE S	PEQUOT LAKES, MN 56472	0.43
41010600	CITY OF BRAINERD	HOMESTEAD GROUP LLC	15244 STATE HWY 371	BAXTER, MN 56425	0.68
41010601	CITY OF BRAINERD	HALF MILE LLC	9292 EDGEWATER CIRCLE S	PEQUOT LAKES, MN 56472	0.59
41010602	CITY OF BRAINERD	HALF MILE LLC	9292 EDGEWATER CIRCLE S	PEQUOT LAKES, MN 56472	0.57
41010603	CITY OF BRAINERD	ALMOND, STEPHEN R AND BONNIE	502 BUFFALO HILLS LANE E	BRAINERD, MN 56401	0.29
41010604	CITY OF BRAINERD	MANION, MICHAEL & SHARON	504 E BUFFALO HILLS LN	BRAINERD, MN 56401	0.26
41010605	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	100 BUFFALO HILLS LN	BRAINERD, MN 56401	4.83
41010606	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	100 BUFFALO HILLS LN	BRAINERD, MN 56401	12.62
41010607	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	100 BUFFALO HILLS LN	BRAINERD, MN 56401	6.65
41010608	CITY OF BRAINERD	MINNESOTA TEEN CHALLENGE INC	1619 PORTLAND AVE S	MINNEAPOLIS, MN 55404	9.37
41010609	CITY OF BRAINERD	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	8.51
41010612	CITY OF BRAINERD	MINNESOTA TEEN CHALLENGE INC	740 E 24TH ST	MINNEAPOLIS, MN 55404	19.82
41010613	CITY OF BRAINERD	MINNESOTA TEEN CHALLENGE INC	740 E 24TH ST	MINNEAPOLIS, MN 55404	19.93
41010614	CITY OF BRAINERD	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	2.49
41010615	CITY OF BRAINERD	DK INVESTMENTS LLC	1107 6TH ST S	BRAINERD, MN 56401	0.99
41010617	CITY OF BRAINERD	VANWYNGEEREN PROPERTIES BRAINERD LLC	17134 JOHNSON RD	BRAINERD, MN 56401	17.30
41010618	CITY OF BRAINERD	VANWYNGEEREN PROPERTIES INDUST PARK	714 INDUSTRIAL PARK RD	BRAINERD, MN 56401	24.74
41020500					0.29
41020501	CITY OF BRAINERD	CRESCENT HILLS ESTATES HOMEOWNERS	PO BOX 7	AVON, MN 56310	2.46
41020502	CITY OF BRAINERD	SCHUPPEL, EDITH M TRUST AGR	2319 WHIPPOORWILL LN	BRAINERD, MN 56401	0.08
41020503	CITY OF BRAINERD	ERICKSON, LOIS	2315 WHIPPOORWILL LANE	BRAINERD, MN 56401	0.09
41020504	CITY OF BRAINERD	MILLER, ROGER B & VERNA M	504 BLUE JAY COURT	BRAINERD, MN 56401	0.08
41020505	CITY OF BRAINERD	SCEARCY, LOWELL G TRUST AGR(1/2 INT	500 BLUE JAY CT	BRAINERD, MN 56401	0.08
41020506	CITY OF BRAINERD	NORDBY, JOY & DALE	488 BLUE JAY CT	BRAINERD, MN 56401	0.09
41020507	CITY OF BRAINERD	NELSON FAMILY TRUST	484 BLUE JAY CRT	BRAINERD, MN 56401	0.09
41020508	CITY OF BRAINERD	GREEN, BETTY E	14890 BEAVER DAM RD	BRAINERD, MN 56401	0.09
41020509	CITY OF BRAINERD	RIOS, EUSEBIA DENISE	469 BLUE JAY CT	BRAINERD, MN 56401	0.09
41020510	CITY OF BRAINERD	LAMBERT, WILFRED & CATHERINE TRUST	473 BLUE JAY CT	BRAINERD, MN 56401	0.09
41020511	CITY OF BRAINERD	WORDEN, FRANK E & CAROLA A	481 BLUE JAY COURT	BRAINERD, MN 56401	0.09
41020512	CITY OF BRAINERD	BOUDIN, DAVID R & SHARON B	485 BLUE JAY CT	BRAINERD, MN 56401	0.09
41020513	CITY OF BRAINERD	SCHILLER, DANIEL A & JANICE E	489 BLUE JAY CT	BRAINERD, MN 56401	0.09
41020514	CITY OF BRAINERD	SOPER, HAROLD G TRUST &	PO BOX 802	BRAINERD, MN 56401	0.09
41020515	CITY OF BRAINERD	HELSETH, HELEN A	PO BOX 772	DADE CITY, FL 33526-0772	0.09
41020516	CITY OF BRAINERD	LEMOND, JUDITH V	3071 S FAIRFAX ST	DENVER, CO 80222	0.08
41020517	CITY OF BRAINERD	TANK, ELIZABETH A	505 BLUE JAY CT	BRAINERD, MN 56401	0.09
41020518	CITY OF BRAINERD	KURZ, STEPHANIE A	435 BUFFALO HILLS LANE W	BRAINERD, MN 56401	0.10
41020519	CITY OF BRAINERD	LIPSKI, CHELSEA ANN	431 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.12
41020520	CITY OF BRAINERD	COMMON AREA		BRAINERD, MN 56401	0.34
41020521	CITY OF BRAINERD	MCMULLEN, DIANNE L	2316 WHIPPOORWILL LANE	BRAINERD, MN 56401	0.09
41020522	CITY OF BRAINERD	TAUTGES FAMILY TRUST AGR 3-23-10	2312 WHIPPOORWILL LANE	BRAINERD, MN 56401	0.08
41020523	CITY OF BRAINERD	OWENS, BARBARA E	2308 WHIPPOOR WILL LN	BRAINERD, MN 56401	0.09
41020524	CITY OF BRAINERD	KUHN, ROGER A & MARY JO O FAMILY TRUST	2304 WHIPPOORWILL LANE	BRAINERD, MN 56401	0.08
41020525	CITY OF BRAINERD	SENN FAMILY TRUST	2300 WHIPPOORWILL LANE	BRAINERD, MN 56401	0.09
41020526	CITY OF BRAINERD	FORTUNE, MARLOWE A	2531 RIDGE DR S	BRAINERD, MN 56401	1.04
41020527	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	2.22
41020528	CITY OF BRAINERD	ROHLFING, ERIC R AND ELIZABETH ROHLFING	P O BOX 1009	BRAINERD, MN 56401	0.06

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41020529	CITY OF BRAINERD	PETERSON, DONALD E & ALVINA	2606 CRESTVIEW LN	BRAINERD, MN 56401	0.06
41020530	CITY OF BRAINERD	FENN, KAREN	2604 CRESTVIEW LN	BRAINERD MN 56401	0.06
41020531	CITY OF BRAINERD	SCHIRMER, EMILY R	2602 CRESTVIEW LN	BRAINERD, MN 56401	0.06
41020532	CITY OF BRAINERD	LITTLE, WAYNE G & JOAN D LIVING TRUST	13852 MISSION PARK DR	MERRIFIELD, MN 56465	0.06
41020533	CITY OF BRAINERD	LEIN, MARY JW	2895 230TH ST E	PRIOR LAKE, MN 55372	0.06
41020534	CITY OF BRAINERD	NELSON, MICHAEL B &	9704 FOREST HEIGHTS DR	BRAINERD, MN 56401	0.06
41020535	CITY OF BRAINERD	PAYNE, ROSEANN	2610 SOUTHVIEW COURT	BRAINERD, MN 56401	0.06
41020536	CITY OF BRAINERD	DICKOVER, LINDA M BUCK	2608 SOUTHVIEW COURT	BRAINERD, MN 56401	0.06
41020537	CITY OF BRAINERD	ALLEN, LINDA M	2606 SOUTHVIEW CT	BRAINERD, MN 56401	0.06
41020538	CITY OF BRAINERD	JOHNSON FAMILY TRUST	8565 HEATHER DR	RAPID CITY, SD 57702	0.06
41020539	CITY OF BRAINERD	PERSON, TODD M & JENNIFER A	2602 SOUTHVIEW CT	BRAINERD, MN 56401	0.06
41020540	CITY OF BRAINERD	EMMONS, CHERI M FAMILY TRUST	2538 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020541	CITY OF BRAINERD	SCHWANTZ, JOYCE L REVOCABLE TRUST	973 VIA CANALE DR	BRAINERD, MN 56401	0.06
41020542	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	0.98
41020543	CITY OF BRAINERD	JOHNSON, MITCHELL D	PO BOX 1058	BRAINERD, MN 56401	0.06
41020544	CITY OF BRAINERD	RODSETH, CAROL MCKINNIE REV TRUST	2518 CRESTVIEW LN	BRAINERD, MN 56401	0.06
41020545	CITY OF BRAINERD	REZAC, BARBARA ANN REVOCABLE TRUST	2535 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020546	CITY OF BRAINERD	LELAND, MARY L 1998 LIVING TRUST	901 CHICKADEE DR	VENICE, FL 34285	0.06
41020547	CITY OF BRAINERD	GOBLE, ANDREW K & MELISSA M	21420 DIVISION RD	BRAINERD, MN 56401	0.06
41020548	CITY OF BRAINERD	MORYN, SHELLEY I & BRENDA K WALLACE	2529 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020549	CITY OF BRAINERD	BERG REVOCABLE TRUST	2527 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020551	CITY OF BRAINERD	JEREMIASON, DAVID J & CORRIE J	2600 RIDGE DR S	BRAINERD, MN 56401	1.36
41020552	CITY OF BRAINERD	JEREMIASON, DAVID J & CORRIE J	2600 RIDGE DR S	BRAINERD, MN 56401	0.94
41020553	CITY OF BRAINERD	JEREMIASON, DAVID J & CORRIE J	2600 RIDGE DR S	BRAINERD, MN 56401	0.28
41020554	CITY OF BRAINERD	CRESSENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.62
41020555	CITY OF BRAINERD	CRESSENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.33
41020556	CITY OF BRAINERD	CRESSENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.33
41020557	CITY OF BRAINERD	CRESSENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.20
41020558	CITY OF BRAINERD	CRESSENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.32
41020559	CITY OF BRAINERD	LEACH, EMMA FAYE & DENNIS	2501 RIDGE DR S	BRAINERD, MN 56401	0.66
41020560	CITY OF BRAINERD	JEREMIASON, DAVID J & CORRIE J	2600 RIDGE DR S	BRAINERD, MN 56401	0.55
41020561	CITY OF BRAINERD	KRAFT, ETHAN T & DANIELLE M	2422 RIDGE DR	BRAINERD, MN 56401	0.59
41020562	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	0.44
41020563	CITY OF BRAINERD	TOWNSEND, EMAJANE J	2525 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020564	CITY OF BRAINERD	HARTING, ROBERT P & JUDITH M REV TR	2523 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020565	CITY OF BRAINERD	ELNESS, JODI	2521 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020566	CITY OF BRAINERD	GOCKEN, LYNETTE MARIE	2519 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020567	CITY OF BRAINERD	MILLER, JUDY A	2517 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020568	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	2.12
41020569	CITY OF BRAINERD	STANG, SHIRLEY S REVOCABLE TRUST	2534 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020570	CITY OF BRAINERD	DAVIES, KATHLEEN M	2532 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020571	CITY OF BRAINERD	KNOLL, WILLIAM V 2019 REV TRUST	212 PRESTON DR	CLEBURNE, TX 76033	0.06
41020572	CITY OF BRAINERD	HERD, KENNETH G REVOCABLE TRUST	2528 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020573	CITY OF BRAINERD	NORAKER, DUANE O & GAYLE	2526 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020574	CITY OF BRAINERD	DEROSIER, JOSEPH M & PHYLLIS TRUST	2524 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020575	CITY OF BRAINERD	FALCONER, JAMES A & MARY LEE	2522 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020576	CITY OF BRAINERD	WITHAM, JOAN C	2520 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020577	CITY OF BRAINERD	MARCHEL, RENEE M	2518 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020578	CITY OF BRAINERD	DOUCETTE, DEBORAH M &	2516 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020579	CITY OF BRAINERD	KRATTENMAKER, ROBERT & BEVERLEY J	2514 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020580	CITY OF BRAINERD	BONGIOVANNI, MICHAEL & YVETTE	22327 512TH LN	MC GREGOR, MN 55760	0.06
41020581	CITY OF BRAINERD	PETERSON, ARTHUR D JR & SHERYL M	2510 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020582	CITY OF BRAINERD	SCHMIDT/RAMSDALL TRUST	2508 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020583	CITY OF BRAINERD	AXVIG, KEITH ODIN & ANN MARIE LINDA	2506 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020584	CITY OF BRAINERD	THESING, PETER W & LAVONNE A LIVG TRUST	2308 RIDGE DR S	BRAINERD, MN 56401	1.20
41020585	CITY OF BRAINERD	PRASKA, HENRY D &	402 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.45
41020586	CITY OF BRAINERD	PRASKA, HENRY D &	402 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.51
41020587	CITY OF BRAINERD	DESHAW, ADAM L & JESSICA A ISEBRAND	2402 S RIDGE DR	BRAINERD, MN 56401	0.39
41020588	CITY OF BRAINERD	KRAFT, ETHAN T & DANIELLE M	2422 RIDGE DR	BRAINERD, MN 56401	0.71
41020589	CITY OF BRAINERD	LEAF, JAMIN K & JOHNATHAN D	167 BUFFALO HILLS LANE W	BRAINERD, MN 56401	0.44
41020590	CITY OF BRAINERD	MD INVESTMENTS LLC	1107 6TH ST S	BRAINERD, MN 56401	0.42
41020591	CITY OF BRAINERD	MCFARLAND, DONALD W & KATHY F	2403 CRESTVIEW LN	BRAINERD, MN 56401	0.38
41020592	CITY OF BRAINERD	HASKINS, SUSAN L	2417 CRESTVIEW LN	BRAINERD, MN 56401	0.58
41020593	CITY OF BRAINERD	DOYLE, KAREN J	2423 CRESTVIEW LN	BRAINERD, MN 56401	0.49
41020594	CITY OF BRAINERD	DOYLE, KAREN J	2423 CRESTVIEW LN	BRAINERD, MN 56401	0.42
41020595	CITY OF BRAINERD	SULLIVAN, LARISSA R	PO BOX 307	MERRIFIELD, MN 56465	0.40
41020596	CITY OF BRAINERD	SULLIVAN, LARISSA R	PO BOX 307	MERRIFIELD, MN 56465	0.44
41020597	CITY OF BRAINERD	HOLST, CHARLES A & ARLENE	2521 CRESTVIEW LANE	BRAINERD, MN 56401	0.45
41020598	CITY OF BRAINERD	WILLIAMS, ALYSSA &	2539 CRESTVIEW LANE	BRAINERD, MN 56401	0.47
41020599	CITY OF BRAINERD	WILLIAMS, ALYSSA &	2539 CRESTVIEW LANE	BRAINERD, MN 56401	0.46
41020600	CITY OF BRAINERD	SHEPHERD, CODY	2603 CRESTVIEW LANE	BRAINERD, MN 56401	0.54
41020601	CITY OF BRAINERD	WHITE, AMBER LAFAY	2536 GREENWOOD ST SW	BRAINERD, MN 56401	1.95
41020602	CITY OF BRAINERD	SULLIVAN, ROBERT J	29935 COUNTY RD 3 PO BOX 307	MERRIFIELD, MN 56465	0.69
41020603	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	2.10
41020604	CITY OF BRAINERD	STEFFEN, VERNON A & BEVERLY A	2516 CRESTVIEW LN	BRAINERD, MN 56418	0.06
41020605	CITY OF BRAINERD	BBLLRR LLC	11610 ANDREW ST	BRAINERD, MN 56417	0.06
41020606	CITY OF BRAINERD	YOUNT, KATHLEEN J	2508 CRESTVIEW LN	BRAINERD, MN 56416	0.06
41020607	CITY OF BRAINERD	JENDRO PROPERTIES LLC	2506 CRESTVIEW LN	BRAINERD, MN 56415	0.06

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41020608	CITY OF BRAINERD	PETERSEN, JEROME W & MARY R	2504 CRESTVIEW LANE	BRAINERD, MN 56414	0.06
41020609	CITY OF BRAINERD	JOURDAN, JOHN J & JUDITH A	2502 CRESTVIEW LANE	BRAINERD, MN 56413	0.06
41020610	CITY OF BRAINERD	HABERKORN, KATHERINE ROSE	2424 CRESTVIEW LANE	BRAINERD, MN 56412	0.06
41020611	CITY OF BRAINERD	PECARICH, JOHN & PAULA	2420 CRESTVIEW LN	BRAINERD, MN 56411	0.06
41020612	CITY OF BRAINERD	HERTEL, GAYLE A	2418 CRESTVIEW LN	BRAINERD, MN 56410	0.06
41020613	CITY OF BRAINERD	NELSON, BEVERLY G	2416 CRESTVIEW LN	BRAINERD, MN 56409	0.06
41020614	CITY OF BRAINERD	HABIGHORST, LEE ROY D	2501 WOODRIDGE LANE	BRAINERD, MN 56408	0.06
41020615	CITY OF BRAINERD	BUBALO, KEITH & LORI	2503 WOODRIDGE LN	BRAINERD, MN 56407	0.06
41020616	CITY OF BRAINERD	PRALL, JANET B	2505 WOODRIDGE LN	BRAINERD, MN 56406	0.06
41020617	CITY OF BRAINERD	TERTIN, DEBRA	2507 WOODRIDGE LN	BRAINERD, MN 56405	0.06
41020618	CITY OF BRAINERD	PIHLAJA, HOWARD E & GABRIELE A	2509 WOODRIDGE LN	BRAINERD, MN 56404	0.06
41020619	CITY OF BRAINERD	ERICKSON, MARGO M	2511 WOODRIDGE LN	BRAINERD, MN 56403	0.06
41020620	CITY OF BRAINERD	JOHNSON, BERT F	2513 WOODRIDGE LN	BRAINERD, MN 56402	0.06
41020621	CITY OF BRAINERD	JENSEN, DONNA J	2515 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020622	CITY OF BRAINERD	CRESCENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.76
41020623	CITY OF BRAINERD	CRESCENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.76
41020624	CITY OF BRAINERD	CRESCENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.76
41020625	CITY OF BRAINERD	CRESCENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	0.75
41020626	CITY OF BRAINERD	ANDERSON, BRETT & JULIE	521 BUFFALO HILLS LN	BRAINERD, MN 56401	0.78
41020627	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	2.14
41020628	CITY OF BRAINERD	TRUSTY REVOCABLE TRUST	2424 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020629	CITY OF BRAINERD	STROMBACK REVOCABLE TRUST	2420 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020630	CITY OF BRAINERD	ENDERSBE, SHARON	2414 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020631	CITY OF BRAINERD	SHELL, RICHARD W	2412 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020632	CITY OF BRAINERD	DOBMEIER, MARY PATRICIA	2406 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020633	CITY OF BRAINERD	DOLS, LAWRENCE D & DONNA M	2404 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020634	CITY OF BRAINERD	PATRICK, JANE	219 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.06
41020635	CITY OF BRAINERD	EASTMAN, BRUCE C & DONNA A SALLI	215 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.06
41020636	CITY OF BRAINERD	PARK, CAROL & RICHARD	209 BUFFALO HILLS LANE	BRAINERD, MN 56401	0.06
41020637	CITY OF BRAINERD	OLSEN, WOLFRED A IND TRUST 9-27-93	205 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.06
41020638	CITY OF BRAINERD	HOWE, ROBERT W	2304 CRESTVIEW LN	BRAINERD, MN 56401	0.06
41020639	CITY OF BRAINERD	GAFFEY, VICKI & LEO J	2302 CRESTVIEW LANE	BRAINERD, MN 56401	0.06
41020640	CITY OF BRAINERD	SOUTHVIEW COURT, PATIO HOME ASSN	1511 NORTHERN PACIFIC RD #101	BRAINERD, MN 56401	0.71
41020641	CITY OF BRAINERD	HAGENSON, MARGARET	2419 WOODRIDGE LANE	BRAINERD, MN 56401	0.06
41020642	CITY OF BRAINERD	SWANSON, JOHN C & JANE L	2415 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020643	CITY OF BRAINERD	WOLF, JOHN HOWARD & JOANNE RUTH	2409 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020644	CITY OF BRAINERD	FORT, MAE A	2405 WOODRIDGE LN	BRAINERD, MN 56401	0.06
41020645	CITY OF BRAINERD	REICHMANN, THERESA	2404 CRESTVIEW LN	BRAINERD, MN 56401	0.06
41020646	CITY OF BRAINERD	COLLINS, LYNDA	2402 CRESTVIEW LN	BRAINERD, MN 56401	0.06
41020647	CITY OF BRAINERD	DILLEY, THOMAS N & LAURA L	2523 RIDGE DR S	BRAINERD, MN 56401	0.64
41020648	CITY OF BRAINERD	LEACH, EMMA FAYE & DENNIS	2501 RIDGE DR S	BRAINERD, MN 56401	0.64
41020649	CITY OF BRAINERD	GALLAGHER, CURTIS L & TRICIA L	2423 RIDGE DR S	BRAINERD, MN 56401	0.53
41020650	CITY OF BRAINERD	METZGER, TERRY & JANET	2303 SOUTH RIDGE DR	BRAINERD, MN 56401	0.62
41020651	CITY OF BRAINERD	LANGE, GREGORY J & MARY	323 TANAGER CIR	BRAINERD, MN 56401	1.17
41020652	CITY OF BRAINERD	JASKEN, TAYLOR M	301 TANAGER CIR	BRAINERD, MN 56401	0.58
41020653	CITY OF BRAINERD	HUBERT, SCOTT	302 TANAGER CIRCLE	BRAINERD, MN 56401	0.43
41020654	CITY OF BRAINERD	DITON, ALEXIS	321 BUFFALO HILLS LN	BRAINERD, MN 56401	0.33
41020655	CITY OF BRAINERD	HAYES, RICHARD L & BETTY J	322 TANAGER CIR	BRAINERD, MN 56401	0.69
41020656	CITY OF BRAINERD	SULLIVAN, ROBERT J	29935 COUNTY RD 3 PO BOX 307	MERRIFIELD, MN 56465	0.51
41020657	CITY OF BRAINERD	SULLIVAN, ROBERT J	29935 COUNTY RD 3 PO BOX 307	MERRIFIELD, MN 56465	0.51
41020658	CITY OF BRAINERD	SULLIVAN, ROBERT J	29935 COUNTY RD 3 PO BOX 307	MERRIFIELD, MN 56465	0.51
41020659	CITY OF BRAINERD	SULLIVAN, ROBERT J	29935 COUNTY RD 3 PO BOX 307	MERRIFIELD, MN 56465	0.61
41020660	CITY OF BRAINERD	JEREMIASON, DAVID J & CORRIE J	2600 RIDGE DR S	BRAINERD, MN 56401	0.39
41020661	CITY OF BRAINERD	CRESCENT HILLS ESTATES OF BRD LLC	PO BOX 7	AVON, MN 56310	6.32
41020663	CITY OF BRAINERD	HOWARD, JEFFREY L & LYNNE	324 WOODLAND HILLS LN	BRAINERD, MN 56401	1.05
41020679	CITY OF BRAINERD	CORP OF THE PRESIDING BISHOP OF THE	DAY SAINTS A UTAH CORP	BRAINERD, MN 56401	2.45
41020691	CITY OF BRAINERD	LIVELY AUTO CO	C/O MILLS PROPERTIES, P O BOX 826	BRAINERD, MN 56401	38.11
41040512	CITY OF BRAINERD	KOSTEK, ADAM ROBERT CHARLES &	JENNIFER MARIA, 1024 BROOK ST	BRAINERD, MN 56401	0.57
41040513	CITY OF BRAINERD	WLASIUK, PATRICIA, & TIMOTHY & MICHAEL &	1018 BROOK ST	BRAINERD, MN 56401	0.36
41040514	CITY OF BRAINERD	WLASIUK, PATRICIA, & TIMOTHY & MICHAEL &	1018 BROOK ST	BRAINERD, MN 56401	0.30
41060516	CITY OF BRAINERD	G J R INVESTMENTS, LLP	1330 115TH AVE NW	COON RAPIDS, MN 55448	41.18
41060517	CITY OF BRAINERD	G J R INVESTMENTS, LLP	1330 115TH AVE NW	COON RAPIDS, MN 55448	23.62
41060523	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	1.15
41250845	CITY OF BRAINERD	GULL LAKE SANDBLASTING & POWDER	818 BROOK ST	BRAINERD, MN 56401	0.57
41300994	CITY OF BRAINERD	SWEDBERG, BERNICE A	1331 PARK ST	BRAINERD, MN 56401	0.26
41300995	CITY OF BRAINERD	MCCORMICK, RANDY D	1325 PARK ST		0.31
41300996	CITY OF BRAINERD	HIPPERT, KIMBERLY S	1319 PARK ST	BRAINERD, MN 56401	0.35
41310500	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	19.52
41310501	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	26.01
41310502	CITY OF BRAINERD	TRETTER, GARTH & KATIE ISEBRAND FAM TRST	15461 IRONWOOD LANE	BRAINERD, MN 56401	4.17
41310503	CITY OF BRAINERD	ALEXIS INVESTMENTS LLC	PO BOX 7190	SAINT CLOUD, MN 56302	7.62
41310504	CITY OF BRAINERD	JOHN DAN LUKE LLC	C/O JOHN THELEN, 4376 MISSION RD	NISSWA, MN 56428	10.18
41310505	CITY OF BRAINERD	JOHN DAN LUKE LLC	C/O JOHN THELEN, 4376 MISSION RD	NISSWA, MN 56428	30.77
41310506	CITY OF BRAINERD	JOHN DAN LUKE LLC	C/O JOHN THELEN, 4376 MISSION RD	NISSWA, MN 56428	35.06
41310507	CITY OF BRAINERD	JOHN DAN LUKE LLC	C/O JOHN THELEN, 4376 MISSION RD	NISSWA, MN 56428	5.05
41310510	CITY OF BRAINERD	ALEXIS INVESTMENTS LLC	PO BOX 7190	SAINT CLOUD, MN 56302	0.32
41310514	CITY OF BRAINERD	ALEXIS INVESTMENTS LLC	PO BOX 7190	SAINT CLOUD, MN 56302	2.74
41350500	CITY OF BRAINERD	FORREST, JOHN F & JOANNE F	159 PINE VIEW DR	BRAINERD, MN 56401	0.37

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41350501	CITY OF BRAINERD	JOHNSON, THADDEUS F & MARY	218 RIDGE DR	BRAINERD, MN 56401	0.44
41350502	CITY OF BRAINERD	MORRISON, ELDON L & LI, LIVI	124 BELLE RAE CIR	BRAINERD, MN 56401	0.39
41350503	CITY OF BRAINERD	JUDD, DAN W & SARAH S	158 PINEVIEW DR	BRAINERD, MN 56401	1.26
41350504	CITY OF BRAINERD	BIESER, WILLIAM J & TONI M	160 PINEVIEW DR	BRAINERD, MN 56401	1.78
41350505	CITY OF BRAINERD	THESING, GERY P & LINDA M FAMILY TRUST	502 W BUFFALO HILLS LN	BRAINERD, MN 56401	0.71
41350506	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.23
41350507	CITY OF BRAINERD	CONRAD, JAMES W & JULIE M	520 BUFFALO HILLS LANE	BRAINERD, MN 56401	0.53
41350508	CITY OF BRAINERD	STORBAKKEN, ERIC R & TRUDI E	524 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.61
41350509	CITY OF BRAINERD	RITTER, CONSTANCE A & KENNETH N	221 RIDGE DR	BRAINERD, MN 56401	0.63
41350510	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.64
41350511	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.46
41350512	CITY OF BRAINERD	SCHULTZ, JAYSON D	302 ASPEN CT	BRAINERD, MN 56401	0.60
41350513	CITY OF BRAINERD	SIMOTA, TIMOTHY C & JENNIFER J	318 ASPEN CT	BRAINERD, MN 56401	0.49
41350514	CITY OF BRAINERD	RUTMAN, BRADY P & ASHLEY S	332 ASPEN CT	BRAINERD, MN 56401	0.67
41350515	CITY OF BRAINERD	PRASKA, HENRY D &	402 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.69
41350516	CITY OF BRAINERD	ANDERSON, DAVID R & ANNETTE M	323 ASPEN CT	BRAINERD, MN 56401	0.52
41350517	CITY OF BRAINERD	HIGHUM, THOMAS M & DOROTHY M	313 ASPEN CT	BRAINERD, MN 56401	0.41
41350518	CITY OF BRAINERD	TOUSIGNANT, MARSHALL E (1/2 INT)	303 ASPEN CT	BRAINERD, MN 56401	0.40
41350519	CITY OF BRAINERD	ERICKSON, NICHOLAS E & TRINA M	123 RIDGE DR	BRAINERD, MN 56401	0.42
41350520	CITY OF BRAINERD	ANDERSON, HOWARD E	115 RIDGE DR	BRAINERD, MN 56401	0.41
41350521	CITY OF BRAINERD	MIKKELSON, STEVEN & LYNN	111 RIDGE DR	BRAINERD, MN 56401	0.46
41350522	CITY OF BRAINERD	PRASKA, HENRY D &	402 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.46
41350523	CITY OF BRAINERD	PRASKA, HENRY D &	402 BUFFALO HILLS LN W	BRAINERD, MN 56401	0.46
41350525	CITY OF BRAINERD	ISMIR, MARILYN K TRUST AGR	222 RIDGE DR	BRAINERD, MN 56401	1.08
41350526	CITY OF BRAINERD	ISMIR, MARILYN K TRUST AGR	222 RIDGE DR	BRAINERD, MN 56401	1.14
41350527	CITY OF BRAINERD	JOHNSON, THADDEUS F & MARY	218 RIDGE DR	BRAINERD, MN 56401	1.29
41350528	CITY OF BRAINERD	OLSTAD, SHANE M & EMILEE C	216 RIDGE DR	BRAINERD, MN 56401	0.97
41350529	CITY OF BRAINERD	OLSTAD, SHANE M & EMILEE C	216 RIDGE DR	BRAINERD, MN 56401	0.79
41350530	CITY OF BRAINERD	HAMRE, JOSHUA T & KARMEN A	212 RIDGE DR	BRAINERD, MN 56401	0.72
41350531	CITY OF BRAINERD	ANDERSON, GARY M & MARY KAY	210 RIDGE DR	BRAINERD, MN 56401	0.71
41350532	CITY OF BRAINERD	BOOTH, GALEN & NICOLE	208 RIDGE RD	BRAINERD, MN 56401	0.77
41350533	CITY OF BRAINERD	O'GRADY, KEVIN J & JILL R	206 RIDGE DR	BRAINERD, MN 56401	0.81
41350534	CITY OF BRAINERD	SMITH, BAXTER A III TRUST AGR	204 RIDGE DR	BRAINERD, MN 56401	0.83
41350535	CITY OF BRAINERD	DEBLOCK, RYAN J & SEIPP DEBLOCK, KATIE	202 RIDGE DR	BRAINERD, MN 56401	0.49
41350536	CITY OF BRAINERD	KNOWLEN, GLENDON D & CONNIE L	223 RIDGE COURT	BRAINERD, MN 56401	2.15
41350537	CITY OF BRAINERD	SCHIRMER, CARL K JR & KAREN	222 RIDGE CT	BRAINERD, MN 56401	0.61
41350538	CITY OF BRAINERD	DEHEN, SHANNON D TRUST	212 RIDGE CT	BRAINERD, MN 56401	1.10
41350539	CITY OF BRAINERD	PLOOF, CHAD L & KIMBERLY J	118 RIDGE RD	BRAINERD, MN 56401	0.57
41350540	CITY OF BRAINERD	EMBRETSON, LORRAINE E	114 RIDGE DR	BRAINERD, MN 56401	0.59
41350541	CITY OF BRAINERD	EATON, BRYCE R & MARY JEAN	110 RIDGE DR	BRAINERD, MN 56401	0.46
41350542	CITY OF BRAINERD	DEHNING, KURT & KELLY	106 RIDGE DR	BRAINERD, MN 56401	0.46
41350543	CITY OF BRAINERD	BERGER, TERRY W & KATHLEEN P	102 RIDGE DR	BRAINERD, MN 56401	0.46
41350544	CITY OF BRAINERD	LUNDEEN, BENJAMIN J & MELISSA A	143 CAROL LN	BRAINERD, MN 56401	0.63
41350545	CITY OF BRAINERD	SCHIRMER, CARL K JR & KAREN	222 RIDGE CT	BRAINERD, MN 56401	2.47
41350546	CITY OF BRAINERD	ABRAHAMSON, FAYE A	308 BUFFALO HILLS LN W	BRAINERD, MN 56401	1.03
41350547	CITY OF BRAINERD	THOMPSON, BRUCE C & CYNTHIA	113 CAROL LN	BRAINERD, MN 56401	0.51
41350548	CITY OF BRAINERD	COOK, VINCE	123 CAROL LN	BRAINERD, MN 56401	0.55
41350549	CITY OF BRAINERD	MARSHALL, SARAH & MARC	133 CAROL LN	BRAINERD, MN 56401	1.17
41350550	CITY OF BRAINERD	LUNDEEN, BENJAMIN J & MELISSA A	143 CAROL LN	BRAINERD, MN 56401	1.48
41350551	CITY OF BRAINERD	CARLSON, JAMES M & ELSE M	153 CAROL LN	BRAINERD, MN 56401	0.89
41350552	CITY OF BRAINERD	OWEN FAMILY REV LIVING TRUST (THE)	154 CAROL LN	BRAINERD, MN 56401	0.56
41350553	CITY OF BRAINERD	BRUSSEAU, MICHAEL A & KARI L	144 CAROL LN	BRAINERD, MN 56401	0.68
41350554	CITY OF BRAINERD	STEINHAUSER, SCOTT & JULIE	124 CAROL LN	BRAINERD, MN 56401	0.60
41350555	CITY OF BRAINERD	BRUSSEAU, MICHAEL A & KARI L	144 CAROL LN	BRAINERD, MN 56401	0.14
41350556	CITY OF BRAINERD	STEINHAUSER, SCOTT & JULIE	124 CAROL LN	BRAINERD, MN 56401	0.69
41350557	CITY OF BRAINERD	KRUEGER, PATRICK M & HELEN J	114 CAROL LN	BRAINERD, MN 56401	0.62
41350558	CITY OF BRAINERD	MASKE, JOHN W & YVONNE M	162 PINE VIEW DR	BRAINERD, MN 56401	1.92
41350559	CITY OF BRAINERD	KRUPKE, STEVEN B	161 PINEVIEW DR	BRAINERD, MN 56401	1.50
41350560	CITY OF BRAINERD	NICHOLS, MARC C & CARRIE M	157 PINE VIEW DR	BRAINERD, MN 56401	0.35
41350561	CITY OF BRAINERD	NELSON, DARREN & SWANSON, KATE MARIE	2134 CRESTVIEW LN	BRAINERD, MN 56410	0.27
41350562	CITY OF BRAINERD	PETERSON, BROCK	8968 WISE RD	BRAINERD, MN 56410	0.27
41350563	CITY OF BRAINERD	UNSER, BRADLEY J & JYNELL D	2120 CRESTVIEW LN	BRAINERD, MN 56410	0.31
41350564	CITY OF BRAINERD	PETRICH, NICOLE L	2112 CRESTVIEW LN	BRAINERD, MN 56410	0.31
41350565	CITY OF BRAINERD	PELTOMA, RODNEY G & SUSAN	2104 CRESTVIEW LN	BRAINERD, MN 56410	0.31
41350566	CITY OF BRAINERD	ORR, MATTHEW T	2030 CRESTVIEW LN	BRAINERD, MN 56410	0.31
41350567	CITY OF BRAINERD	BETKER, AMANDA	2026 CRESTVIEW LN	BRAINERD, MN 56410	0.31
41350568	CITY OF BRAINERD	HIGGINS, SEAN T & SARAH E WINGE	2022 CRESTVIEW LN	BRAINERD, MN 56410	0.31
41350569	CITY OF BRAINERD	WUSSOW, PATRICK D	2018 CRESTVIEW LN	BRAINERD, MN 56410	0.66
41350571	CITY OF BRAINERD	POMMERENING, MICHAEL & AMANDA	107 NORWAY CT	BRAINERD, MN 56410	0.42
41350572	CITY OF BRAINERD	CORTINAS, ESTEVAN J & KAYLI M	106 NORWAY CT	BRAINERD, MN 56410	0.39
41350573	CITY OF BRAINERD	AGRE, JOHN D & ANDREA F	102 NORWAY CT	BRAINERD, MN 56410	0.34
41350574	CITY OF BRAINERD	ROBERTS, GREGORY M & DIANE M	2014 CRESTVIEW LN	BRAINERD, MN 56410	0.32
41350575	CITY OF BRAINERD	DUHN, DAVID A & LORA L	2010 CRESTVIEW LN	BRAINERD, MN 56410	0.32
41350576	CITY OF BRAINERD	CHARPENTIER, RAYMOND A	2006 CRESTVIEW LN	BRAINERD, MN 56410	0.32
41350577	CITY OF BRAINERD	TOTTEN, JEANNE L	153 PINEVIEW DR	BRAINERD, MN 56410	0.31
41350578	CITY OF BRAINERD	SCHAFER, REBECCA A & PATRIC C	4747 WEST 177 ST	COUNTRY CLUB HILLS, IL 60478	0.27
41350579	CITY OF BRAINERD	SCHAFER, REBECCA A & PATRIC C	4747 WEST 177 ST	COUNTRY CLUB HILLS, IL 60478	0.27
41350580	CITY OF BRAINERD	ADERMAN, THOMAS & RATHY, REBECCA	2131 CRESTVIEW LN	BRAINERD, MN 56410	0.27

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41350581	CITY OF BRAINERD	OSAFO, MAMFE & ANDREA	2123 CRESTVIEW LN	BRAINERD, MN 56410	0.27
41350582	CITY OF BRAINERD	PRUSAK, THOMAS K & MARTHA	2117 CRESTVIEW LN	BRAINERD, MN 56409	0.34
41350583	CITY OF BRAINERD	JENSEN, JENNIFER	2109 CRESTVIEW LN	BRAINERD, MN 56408	0.31
41350584	CITY OF BRAINERD	RASMUSSEN, DONALD A & CHRISTINE	2103 CRESTVIEW LANE	BRAINERD, MN 56407	0.32
41350585	CITY OF BRAINERD	WICKLUND, BEVERLEY A REV TRUST	2029 CRESTVIEW LN	BRAINERD, MN 56406	0.32
41350586	CITY OF BRAINERD	SWARTHOUT, ZACHARY & EMILY	2025 CRESTVIEW LN	BRAINERD, MN 56405	0.31
41350587	CITY OF BRAINERD	LAUGHLIN, REBECCA A	2021 CRESTVIEW LANE	BRAINERD, MN 56404	0.31
41350588	CITY OF BRAINERD	RUEN, KEVIN A	2017 CRESTVIEW LN	BRAINERD, MN 56403	0.31
41350589	CITY OF BRAINERD	WARD, DENNIS R & BARBIE J	2013 CRESTVIEW LANE	BRAINERD, MN 56402	0.31
41350590	CITY OF BRAINERD	ERLANSON, BRITTA J	2009 CRESTVIEW LN	BRAINERD, MN 56401	0.35
41350591	CITY OF BRAINERD	BOONE, MARK & MARY	2001 CRESTVIEW LN	BRAINERD, MN 56401	0.62
41350592	CITY OF BRAINERD	HALVERSON, MARC & JACQUELYN REV	156 PINEVIEW DR	BRAINERD, MN 56401	1.81
41350593	CITY OF BRAINERD	LIMVERE, ENNO J & JOAN R	152 PINEVIEW DR	BRAINERD, MN 56401	0.39
41350594	CITY OF BRAINERD	KARLSON, JAMES T	139 BELLE RAE CIR	BRAINERD, MN 56401	0.28
41350595	CITY OF BRAINERD	HALVERSON, MARC & JACQUELYN REV	156 PINEVIEW DR	BRAINERD, MN 56401	0.68
41350596	CITY OF BRAINERD	MOLINE, RUSSELL W & JENNIFER L	2006 GRAYDON AVE	BRAINERD, MN 56401	0.32
41350597	CITY OF BRAINERD	HARTING, SAMANTHA L	2010 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350598	CITY OF BRAINERD	ANDERSON, MARY JO & STEPHEN HESSE	2014 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350599	CITY OF BRAINERD	MCLAIN, COLIN & AMY	2331 DANCING WIND RD SW	PINE RIVER, MN 56474	0.31
41350600	CITY OF BRAINERD	POOL, JOSHUA R & ANDREA T	2022 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350601	CITY OF BRAINERD	SMOLKE, EDWARD F & NANCY	2026 GRAYDON AVE	BRAINERD, MN 56401	0.30
41350602	CITY OF BRAINERD	HANSSEN, HEATHER S	2030 GRAYDON AVE	BRAINERD, MN 56401	0.32
41350603	CITY OF BRAINERD	PARK UNITED, METHODIST CHURCH	315 N 6TH ST	BRAINERD, MN 56401	0.32
41350604	CITY OF BRAINERD	BURNETT, JOAN H	1926 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350605	CITY OF BRAINERD	PATRICK, AARON	2120 GRAYDON AVE	BRAINERD, MN 56401	0.32
41350606	CITY OF BRAINERD	REITHER, RANDALL LEE & KAREN L	2131 GRAYDON AVE	BRAINERD, MN 56401	0.37
41350607	CITY OF BRAINERD	SULLIVAN, TRISH A	2123 GRAYDON AVE	BRAINERD, MN 56401	0.29
41350608	CITY OF BRAINERD	JORGENSEN, ERNEST C & RACHEL J	2117 GRAYDON AVE	BRAINERD, MN 56401	0.29
41350609	CITY OF BRAINERD	FLANAGAN, BRIAN K	2109 GRAYDON AVE	BRAINERD, MN 56401	0.29
41350610	CITY OF BRAINERD	ROBERTS, JAMES M	2103 GRAYDON AVE	BRAINERD, MN 56401	0.32
41350611	CITY OF BRAINERD	LEMKE, SAMANTHA LYNN	2029 GRAYDON AVE	BRAINERD, MN 56401	0.32
41350612	CITY OF BRAINERD	RUEN, MICHELLE A	2025 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350613	CITY OF BRAINERD	MULLENIX, DARRELL H	2021 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350614	CITY OF BRAINERD	HASTINGS, MARK A & BRITTNEY A SMITH	2017 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350615	CITY OF BRAINERD	QUALLEY, MATTHEW W & VERONICA	2013 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350616	CITY OF BRAINERD	KARELIS, ZACHARY P & NICOLE G	2009 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350617	CITY OF BRAINERD	TORFIN, JAMES N & NEDRA	2005 GRAYDON AVE	BRAINERD, MN 56401	0.32
41350618	CITY OF BRAINERD	PELKEY, STEVEN A & LAURIE	2001 GRAYDON AVE	BRAINERD, MN 56401	0.33
41350619	CITY OF BRAINERD	HORN, VERA L	2002 GRAYDON AVE	BRAINERD, MN 56401	0.38
41350620	CITY OF BRAINERD	SWANSON, PHILLIP C & DIANE	140 PINEVIEW DR	BRAINERD, MN 56401	0.32
41350621	CITY OF BRAINERD	SCHILLER, ERIC J & LEAH L	132 PINEVIEW DR	BRAINERD, MN 56401	0.32
41350622	CITY OF BRAINERD	HOCHHALTER, CASEY & KELLIE	124 PINEVIEW DR	BRAINERD, MN 56401	0.31
41350623	CITY OF BRAINERD	JOHNSON, BRUCE A REV LIVING TRUST	16348 AHRENS RD	BRAINERD, MN 56401	0.32
41350624	CITY OF BRAINERD	OAKLEY, JEROME D & JANICE M	1948 GRAYDON AVE	BRAINERD, MN 56401	0.31
41350625	CITY OF BRAINERD	DEWITT, GARY L & BRENDA BARTELS DEW	107 BELLE RAE CIR	BRAINERD, MN 56401	0.32
41350626	CITY OF BRAINERD	POWERS, JEFFREY K & KIMBERLY A	115 BELLE RAE CIR	BRAINERD, MN 56401	0.32
41350627	CITY OF BRAINERD	ENDRES, KYUNG	123 BELLE RAE CIR	BRAINERD, MN 56401	0.31
41350628	CITY OF BRAINERD	BEST, REBECCA	131 BELLE RAE CIRCLE	BRAINERD, MN 56401	0.29
41350629	CITY OF BRAINERD	KARLSON, JAMES T	139 BELLE RAE CIR	BRAINERD, MN 56401	0.58
41350630	CITY OF BRAINERD	TURCOTTE, CHERYL KAY	140 BELLE RAE CIRCLE	BRAINERD, MN 56401	0.46
41350631	CITY OF BRAINERD	GAMMELLO, WENDY K	132 BELLE RAE CIR	BRAINERD, MN 56401	0.29
41350632	CITY OF BRAINERD	MORRISON, ELTON L & LI, LIVI	124 BELLE RAE CIR	BRAINERD, MN 56401	0.32
41350634	CITY OF BRAINERD	SJOSTRAND, WHITNEY J & KIRSTEN J	108 BELLE RAE CIRCLE	BRAINERD, MN 56401	0.87
41350635	CITY OF BRAINERD	FREEMAN, ANDREW & MISHA	1934 WOOD CREST RD	BRAINERD, MN 56401	0.33
41350636	CITY OF BRAINERD	SEIWERT, BRADLEY JOHN & LINDA JEAN	102 BELLE RAE CIR	BRAINERD, MN 56401	0.43
41350637	CITY OF BRAINERD	KLEINSCHMIDT, HUNTER & RACHEL	1912 WOODCREST RD	BRAINERD, MN 56401	0.84
41350638	CITY OF BRAINERD	MADISON, JULIE M REVOCABLE TRUST	1927 WOODCREST RD	BRAINERD, MN 56401	0.34
41350639	CITY OF BRAINERD	MADISON, JULIE M REVOCABLE TRUST	1927 WOODCREST RD	BRAINERD, MN 56401	0.34
41350640	CITY OF BRAINERD	WYNN, CHARLES & JOAN	1923 WOODCREST RD	BRAINERD, MN 56401	0.36
41350641	CITY OF BRAINERD	SJOSTRAND, KIRSTEN	108 BELLE RAE CIR	BRAINERD, MN 56401	0.39
41350642	CITY OF BRAINERD	MAJKA, MATTHEW J & HILLARY SWANSON	1909 WOODCREST RD	BRAINERD, MN 56401	0.41
41350643	CITY OF BRAINERD	OLSON, CATHERINE	1901 WOODCREST RD	BRAINERD, MN 56401	0.37
41350644	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	2.91
41350646	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	11.74
41350647	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	3.37
41350648	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	36.72
41350649	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	24.21
41350652	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	2.91
41350653	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	20.53
41350654	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.89
41350655	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	65.81
41350656	CITY OF BRAINERD	KLEINSCHMIDT, HUNTER & RACHEL	1912 WOODCREST RD	BRAINERD, MN 56401	0.58
41350657	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.09
41360500	CITY OF BRAINERD	PUERINGER, DAVID F	616 1/2 FRONT ST	BRAINERD, MN 56411	0.67
41360501	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56411	1.44
41360502	CITY OF BRAINERD	KLANG REVOCABLE TRUST 12/10/13	2109 SPRUCE DR	BRAINERD, MN 56411	0.18
41360503	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56408	0.39
41360504	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.44

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360505	CITY OF BRAINERD	LUND PROPERTIES LLC	1676 MISSISSIPPI RIVER BLVD S	SAINT PAUL, MN 55116	1.25
41360506	CITY OF BRAINERD	BRAINERD SNODEOS	701 CHARLES ST	BRAINERD, MN 56401	0.99
41360507	CITY OF BRAINERD	LENDOBEJA, STEVEN	313 CEDAR ST	BRAINERD, MN 56401	0.77
41360508	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	5.33
41360509	CITY OF BRAINERD	SWITZER, LOY D	1502 7TH ST S	BRAINERD, MN 56401	0.23
41360510	CITY OF BRAINERD	JENKINS, ERICH M	PO BOX 792	BRAINERD, MN 56401	0.21
41360511	CITY OF BRAINERD	MOORES PROPERTIES, INC	605 LAUREL ST	BRAINERD, MN 56401	0.62
41360512	CITY OF BRAINERD	LAZY H PROPERTIES LLC	501 EAST BROADWAY	LITTLE FALLS, MN 56345	0.47
41360513	CITY OF BRAINERD	ROBERTS, KEITH W & JAN D	1700 EMMA ST	BRAINERD MN 56401	1.45
41360514	CITY OF BRAINERD	FITZPATRICK, JOHN	415 BLUFF	BRAINERD, MN 56401	1.37
41360515	CITY OF BRAINERD	DESPOT, ROBERT L REV TRUST	1302 POISSANT RD	FORT RIPLEY, MN 56449	1.27
41360516	CITY OF BRAINERD	LEE, FRANK C & MELINDA M	1205 BROOK ST	BRAINERD, MN 56401	0.95
41360517	CITY OF BRAINERD	BEHYMER, GLADYS E	2206 SPRUCE DR	BRAINERD, MN 56401	0.10
41360518	CITY OF BRAINERD	ADAMSON, DOROTHY E	2204 SPRUCE DR	BRAINERD, MN 56401	0.12
41360519	CITY OF BRAINERD	PLANTZ, JASON P & PLANTZ, BRIAN C	2202 SPRUCE DR	BRAINERD, MN 56401	0.10
41360520	CITY OF BRAINERD	STALL, PHYLLIS & STALL, DANIEL HOWARD	2208 SPRUCE DR	BRAINERD, MN 56401	0.11
41360521	CITY OF BRAINERD	MCCULLEY, RODNEY W &	2116 SPRUCE DR	BRAINERD, MN 56401	0.18
41360522	CITY OF BRAINERD	SKONE, LESLIE A REV TRUST	2112 SPRUCE DR	BRAINERD, MN 56401	0.33
41360523	CITY OF BRAINERD	TEASER, KIERAN	2216 SPRUCE DR	BRAINERD, MN 56401	0.17
41360525	CITY OF BRAINERD	GARRY, STACY A	2210 SPRUCE DR	BRAINERD, MN 56401	0.19
41360526	CITY OF BRAINERD	TEASER, KIERAN	2216 SPRUCE DR	BRAINERD, MN 56401	0.11
41360527	CITY OF BRAINERD	KRALL, MARCIE	2214 SPRUCE DR	BRAINERD, MN 56401	0.10
41360528	CITY OF BRAINERD	JENSEN, ROY W & BEVERLY K	2212 SPRUCE DRIVE	BRAINERD, MN 56401	0.13
41360529	CITY OF BRAINERD	BROWN, CYNTHIA	2238 SPRUCE DR	BRAINERD, MN 56401	0.10
41360530	CITY OF BRAINERD	ASHER, CARRIE J	2236 SPRUCE DR	BRAINERD, MN 56401	0.14
41360531	CITY OF BRAINERD	WIMER, MATTHEW D &	2240 SPRUCE DR	BRAINERD, MN 56401	0.09
41360532	CITY OF BRAINERD	BROWN, CYNTHIA	2238 SPRUCE DR	BRAINERD, MN 56401	0.01
41360533	CITY OF BRAINERD	DUPAY, JOSHUA	2234 SPRUCE DR	BRAINERD, MN 56401	0.15
41360534	CITY OF BRAINERD	WIMER, MATTHEW D &	2240 SPRUCE DR	BRAINERD, MN 56401	0.07
41360535	CITY OF BRAINERD	BACKSTROM, JEROLD H & MARGEE L	2232 SPRUCE DR	BRAINERD, MN 56401	0.23
41360536	CITY OF BRAINERD	FREEMAN, ARLENE	2230 SPRUCE DR	BRAINERD, MN 56401	0.11
41360537	CITY OF BRAINERD	SIMONS, SUSAN	2228 SPRUCE DR	BRAINERD, MN 56401	0.11
41360538	CITY OF BRAINERD	ALMER, VIRGINIA LEE	2226 SPRUCE DR	BRAINERD, MN 56401	0.25
41360539	CITY OF BRAINERD	ERICKSON, ROGER M & ADELLE R	2224 SPRUCE DR	BRAINERD, MN 56401	0.22
41360540	CITY OF BRAINERD	SIMPSON, MICHAEL & SARAH	1151 COUNTY ROAD 436	DUBLIN, TX 76446	0.11
41360541	CITY OF BRAINERD	KRAUTKREMER, LEE & GERALDINE	2220 SPRUCE DR	BRAINERD, MN 56401	0.11
41360542	CITY OF BRAINERD	KEWITSCH, SHIRLEY	2218 SPRUCE DR	BRAINERD, MN 56401	0.24
41360543	CITY OF BRAINERD	ANTHONY, HEATHER L	2246 SPRUCE DR	BRAINERD, MN 56401	0.10
41360544	CITY OF BRAINERD	SCRIMSHAW, STACIE ANN	2248 SPRUCE DR	BRAINERD, MN 56401	0.09
41360545	CITY OF BRAINERD	VOELLER, GLADYS B & CAROL J MILLER	2244 SPRUCE DR	BRAINERD, MN 56401	0.10
41360546	CITY OF BRAINERD	BRUTSCHER, DAVID P & SARAJANE	24052 235TH AVE	PIERZ, MN 56364	0.14
41360547	CITY OF BRAINERD	H BROTHERS LLP	13648 150TH ST	WADENA, MN 56482	2.00
41360548	CITY OF BRAINERD	WISE, LEE FRANK & CHERYL JEAN	418 FAIRFIELD LN	BRAINERD, MN 56401	0.22
41360549	CITY OF BRAINERD	MORRIS, ROBERT E & DONNA L	416 FAIRFIELD LN	BRAINERD, MN 56401	0.12
41360550	CITY OF BRAINERD	ATWELL, LILY E	414 FAIRFIELD LN	BRAINERD, MN 56401	0.12
41360551	CITY OF BRAINERD	REYNOLDS, DEBRA L	412 FAIRFIELD LN	BRAINERD, MN 56401	0.23
41360552	CITY OF BRAINERD	BOCK, JAY & JULIE	406 FAIRFIELD LN	BRAINERD, MN 56401	0.19
41360553	CITY OF BRAINERD	JOHNSON, LEONA M	404 FAIRFIELD LANE	BRAINERD, MN 56401	0.12
41360554	CITY OF BRAINERD	DIEMER, SANDRA A	402 FAIRFIELD LN	BRAINERD, MN 56401	0.10
41360555	CITY OF BRAINERD	LIBBY, HELEN C FAMILY RE TRST (THE)	5360 OLD VIKING BLVD NW	ANOKA, MN 55303	0.10
41360556	CITY OF BRAINERD	OAK CREST MANOR II	P O BOX 340	WALKER, MN 56484	0.83
41360557	CITY OF BRAINERD	FAIRFIELD GREEN, VILLAGE HOMES HOME	414 FAIRFIELD LN	BRAINERD, MN 56401	0.22
41360558	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.09
41360559	CITY OF BRAINERD	MATTSON, EDWARD W	109 2ND AVE NE	BRAINERD, MN 56401	0.72
41360560	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	16.26
41360561	CITY OF BRAINERD	ZONTELLI, LUKE R & SMUDE, ELLIE N	1623 EMMA ST	BRAINERD, MN 56401	0.17
41360562	CITY OF BRAINERD	BORCHERT, WILMA	1617 EMMA STR	BRAINERD, MN 56401	0.17
41360563	CITY OF BRAINERD	KUHN, DALE P & DEBRA L	10154 DEPOT ST	BRAINERD, MN 56401	0.17
41360564	CITY OF BRAINERD	LAFOND, BRODY P	1609 EMMA ST	BRAINERD, MN 56401	0.17
41360565	CITY OF BRAINERD	PLISCOTT, KELLY-JO	1605 EMMA ST	BRAINERD, MN 56401	0.17
41360566	CITY OF BRAINERD	DIRCKX, RYAN	1601 EMMA ST	BRAINERD, MN 56401	0.17
41360567	CITY OF BRAINERD	MYERS, JOHN W & ROBIN K	1624 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360568	CITY OF BRAINERD	WILT FAMILY PROPERTIES LLC	5389 PIONEER TRL	BRAINERD, MN 56401	0.12
41360569	CITY OF BRAINERD	PENNSYLVANIA AVENUE LLC	11171 TOWN HALL ST	BRAINERD, MN 56401	0.18
41360570	CITY OF BRAINERD	TAYLOR, KEVIN J & CROWLEY, ROSE M	1610 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360571	CITY OF BRAINERD	WEBER, JAMES H & DONNA	1604 PENNSYLVANIA	BRAINERD, MN 56401	0.15
41360572	CITY OF BRAINERD	ZOLLER, SYDNEY A	1602 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360573	CITY OF BRAINERD	CLJ TRUST, LOWELL S JOHNSON & COLLEEN LEBLANC	4441 20TH ST	FORT RIPLEY, MN 56449	0.15
41360574	CITY OF BRAINERD	BEACH, ASPEN & VERONICA WYNN	1519 EMMA ST	BRAINERD, MN 56401	0.15
41360575	CITY OF BRAINERD	BEACH, ASPEN & VERONICA WYNN	1519 EMMA ST	BRAINERD, MN 56401	0.09
41360576	CITY OF BRAINERD	FITCH, GARY D & GAIL	1510 PENNSYLVANIA	BRAINERD, MN 56401	0.05
41360577	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.23
41360578	CITY OF BRAINERD	WINTERS, HEATHER M	1524 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360579	CITY OF BRAINERD	BECK, ALLYSON D &	1518 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.23
41360580	CITY OF BRAINERD	FITCH, GARY D & GAIL	1510 PENNSYLVANIA	BRAINERD, MN 56401	0.23
41360581	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.13
41360582	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.16
41360583	CITY OF BRAINERD	CROW WING COUNTY LAND SERVICES	322 LAUREL ST STE 15	BRAINERD, MN 56401	0.05

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360584	CITY OF BRAINERD	CROW WING COUNTY LAND SERVICES	322 LAUREL ST STE 15	BRAINERD, MN 56401	0.11
41360585	CITY OF BRAINERD	SHANKS, SINDY M &	1424 MARY STREET	BRAINERD, MN 56401	0.20
41360586	CITY OF BRAINERD	JOHNSON, KEITH M	1420 MARY ST	BRAINERD, MN 56401	0.20
41360587	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.60
41360588	CITY OF BRAINERD	OHMAN, CYNTHIA M	1523 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360589	CITY OF BRAINERD	WEIK, ASHLEY J	1519 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360590	CITY OF BRAINERD	KUKOWSKI, RAYMOND T & PATRICIA D	35082 SILVER SANDS RD	PEQUOT LAKES, MN 56472	0.15
41360591	CITY OF BRAINERD	FRANZ, DEREK	1509 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360592	CITY OF BRAINERD	CARY, CHRISTOPHER	1503 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.40
41360593	CITY OF BRAINERD	HOWELL, STACI & ELI	1524 MARY ST	BRAINERD, MN 56401	0.30
41360594	CITY OF BRAINERD	BRIGHT, BARBARA L	1516 MARY ST	BRAINERD, MN 56401	0.15
41360595	CITY OF BRAINERD	SWIFT, SHARON J	1512 MARY ST	BRAINERD, MN 56401	0.15
41360596	CITY OF BRAINERD	J & M PROPERTY HOLDINGS 3 LLC	11429 SNAKE TRL SW	MOTLEY, MN 56466	0.15
41360597	CITY OF BRAINERD	LINDSEY, RYAN D & MICHELLE L	1504 MARY ST	BRAINERD, MN 56401	0.25
41360598	CITY OF BRAINERD	JONES, JERAMIE W & LUKSAMEE	1617 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.30
41360599	CITY OF BRAINERD	LOEFFELBEIN, JEFFREY D & JABS, BRIANNA	1613 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360600	CITY OF BRAINERD	KINNEY, SCOT & VICKY	8660 FERDMONT RD	LAKESHORE, MN 56468	0.15
41360601	CITY OF BRAINERD	NAUHEIMER, ALICIA	1607 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360602	CITY OF BRAINERD	KLINE, RILEY & JAYDA EMILEE	1601 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.15
41360603	CITY OF BRAINERD	PRITSCHET, DAVID J & ANNE T	1624 MARY ST	BRAINERD, MN 56401	0.15
41360604	CITY OF BRAINERD	PRITSCHET, DAVID J & ANNE T	1624 MARY ST	BRAINERD, MN 56401	0.15
41360605	CITY OF BRAINERD	KUPERUS, GLENN G & BRENDA R	1616 MARY ST	BRAINERD, MN 56401	0.15
41360606	CITY OF BRAINERD	MCCORMICK, CURTIS A	1608 MARY ST	BRAINERD, MN 56401	0.23
41360607	CITY OF BRAINERD	SHATTUCK, PAUL RICHARD	1602 MARY ST	BRAINERD, MN 56401	0.23
41360608	CITY OF BRAINERD	JUSTIN, KEITH D	1621 MARY ST	BRAINERD, MN 56401	0.30
41360609	CITY OF BRAINERD	THOMAS, DONALD A & JOAN	1613 MARY STR	BRAINERD, MN 56401	0.15
41360610	CITY OF BRAINERD	CLAUSSEN, BENJAMIN & HADDIE	1611 MARY ST	BRAINERD, MN 56401	0.15
41360611	CITY OF BRAINERD	KARNOWSKI, ERIN B	1605 MARY ST	BRAINERD, MN 56401	0.34
41360612	CITY OF BRAINERD	STEININGER, MURPHY	1523 MARY ST	BRAINERD, MN 56401	0.30
41360613	CITY OF BRAINERD	CLARK, JEFFREY B	1517 MARY ST	BRAINERD, MN 56401	0.15
41360614	CITY OF BRAINERD	CLARK, JEFFREY B	1517 MARY ST	BRAINERD, MN 56401	0.03
41360615	CITY OF BRAINERD	CROW WING COUNTY LAND SERVICES	322 LAUREL ST STE 15	BRAINERD, MN 56401	0.35
41360616	CITY OF BRAINERD	ROBERTS, DEVIN M & KELSIE M	1423 MARY ST	BAXTER, MN 56425	0.30
41360617	CITY OF BRAINERD	SCULL, TYLER	1419 MARY ST	BRAINERD, MN 56401	0.20
41360618	CITY OF BRAINERD	SHELITO, SCOTT & ALYSSA	1415 MARY ST	BRAINERD, MN 56401	0.20
41360619	CITY OF BRAINERD	COOPER, JAMES D & JOAN M	1411 MARY ST	BRAINERD, MN 56401	0.18
41360620	CITY OF BRAINERD	BYE CABLES INC	PO BOX 565	BRAINERD, MN 56411	0.34
41360621	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56411	0.69
41360622	CITY OF BRAINERD	HUMBLE, JILL & ALLEN LEE	2215 SPRUCE DR	BRAINERD, MN 56411	0.18
41360623	CITY OF BRAINERD	MURDOCK, BENTON D & GAIL M	2217 SPRUCE DR	BRAINERD, MN 56411	0.17
41360624	CITY OF BRAINERD	NYSTROM, ARTHUR W & LOIS J	2119 SPRUCE DR	BRAINERD, MN 56411	0.17
41360625	CITY OF BRAINERD	CAMPBELL, LARRY J & CAROLYN R	2121 SPRUCE DR	BRAINERD, MN 56411	0.17
41360626	CITY OF BRAINERD	SOREM, ALFRED A & LAURIE M REVOC TRUST	2209 SPRUCE DR	BRAINERD, MN 56411	0.17
41360627	CITY OF BRAINERD	JOHNSON, DUANE R & TERESA C	2211 SPRUCE DR	BRAINERD, MN 56411	0.17
41360628	CITY OF BRAINERD	BLOOM, PAUL	2117 SPRUCE DR	BRAINERD, MN 56411	0.17
41360629	CITY OF BRAINERD	ZAK, JOSEPH C & KATHLEEN A REST FAM TRST	12806 THOMPSON RD	BRAINERD, MN 56411	0.18
41360630	CITY OF BRAINERD	GREGERSEN, PETER A & GLORIA L	2111 SPRUCE DR	BRAINERD, MN 56411	0.17
41360631	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56410	1.47
41360632	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56409	2.14
41360633	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56407	0.67
41360634	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56406	1.07
41360635	CITY OF BRAINERD	2020 PROPERTIES	2020 S 6TH ST	BRAINERD, MN 56405	1.06
41360636	CITY OF BRAINERD	BRAINERD LAKES INTEGRATED HEALTH	2024 SOUTH 6TH ST	BRAINERD, MN 56404	1.85
41360637	CITY OF BRAINERD	AMERICAN NATIONAL BANK OF MN	1920 S 6TH ST	BRAINERD, MN 56403	1.77
41360638	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56402	0.34
41360639	CITY OF BRAINERD	MESSERSCHMIDT, MATTHEW & KAITLYN M	1912 S 6TH ST	BRAINERD, MN 56401	0.31
41360640	CITY OF BRAINERD	STATE OF MINNESOTA DOT	7694 INDUSTRIAL PARK ROAD	BAXTER, MN 56425-8096	0.35
41360641	CITY OF BRAINERD	STATE OF MINNESOTA DOT	7694 INDUSTRIAL PARK RD	BAXTER, MN 56425-8096	0.29
41360642	CITY OF BRAINERD	EDGEWOOD HOMES INC	P O BOX 492	BRAINERD, MN 56401	0.29
41360643	CITY OF BRAINERD	PALMER, ROBERT D & KAREN M	1919 BIRCHDRIDGE DR	BRAINERD, MN 56401	0.29
41360644	CITY OF BRAINERD	KRAUTKREMER, SCOTT M	208 BIRCHDRIDGE DR	BRAINERD, MN 56401	0.47
41360645	CITY OF BRAINERD	JOSH'S PLACE HOMES LLC	855 VILLAGE CENTER DR # 304	NORTH OAKS, MN 55127-2608	0.54
41360646	CITY OF BRAINERD	OAK CREST MANOR II	C/O D W JONES MGMT INC, PO BOX 340	WALKER, MN 56484	1.11
41360647	CITY OF BRAINERD	OAK CREST MANOR	C/O DW JONES MANAGEMENT, PO BOX 340	WALKER, MN 56484	1.12
41360648	CITY OF BRAINERD	OAK CREST MANOR	C/O DW JONES MANAGEMENT, PO BOX 340	WALKER, MN 56484	1.12
41360649	CITY OF BRAINERD	HAMILTON, BENJAMIN W	1731 GRAYDON AVE	BRAINERD MN 56401	0.19
41360650	CITY OF BRAINERD	GRAY, AMY J	1725 GRAYDON AVE	BRAINERD, MN 56401	0.24
41360651	CITY OF BRAINERD	FITCH, TYLER P	1721 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360652	CITY OF BRAINERD	ERICKSON, JARED E & BRIANNA L	1717 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360653	CITY OF BRAINERD	KOTYK, STEVEN M & CAROLYN H	1713 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360654	CITY OF BRAINERD	MOHS, JORDAN P	1714 S 6TH ST	BRAINERD, MN 56401	0.27
41360655	CITY OF BRAINERD	MITCHELL, RHONDA	1720 6TH ST S	BRAINERD, MN 56401	0.27
41360656	CITY OF BRAINERD	HYATT FAMILY REV LIVING TRUST (THE)	1726 S 6TH ST	BRAINERD, MN 56401	0.27
41360657	CITY OF BRAINERD	PUERINGER, DAVID F PUERINGER INVEST	616 1/2 FRONT ST	BRAINERD, MN 56401	0.27
41360658	CITY OF BRAINERD	HYLAND, MATTHEW J & STEPHANIE J	1734 6TH ST S	BRAINERD, MN 56401	0.28
41360659	CITY OF BRAINERD	ALMQUIST, JANET	1531 6TH ST	BRAINERD, MN 56401	0.26
41360660	CITY OF BRAINERD	QUINN, STEPHEN P & EDIE M	1704 S 7TH ST	BRAINERD, MN 56401	0.24
41360661	CITY OF BRAINERD	TOFT, JON W & JUDITH M FAMILY TRUST	1710 7TH ST S	BRAINERD, MN 56401	0.24

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360662	CITY OF BRAINERD	BJORK, RICHARD A & KATHRYN A	1714 S 7TH ST	BRAINERD, MN 56401	0.24
41360663	CITY OF BRAINERD	KORTE, LINDSEY ELIZABETH	1772 7TH ST S	BRAINERD, MN 56401	0.24
41360664	CITY OF BRAINERD	SCHILLER, DAVID J	4035 VICTORIA ST N	SHOREVIEW, MN 55126	0.24
41360665	CITY OF BRAINERD	SCHREIBER REVOCABLE TRUST	1734 SOUTH 7TH ST	BRAINERD, MN 56401	0.24
41360666	CITY OF BRAINERD	MURPHY, KATHLEEN R	1740 S 7TH ST	BRAINERD, MN 56401	0.27
41360667	CITY OF BRAINERD	WASHINGTON, CHARLETTE G	1741 6TH ST S	BRAINERD, MN 56401	0.28
41360668	CITY OF BRAINERD	KUNDE, ALLISON E	1733 S 6TH ST	BRAINERD, MN 56401	0.26
41360669	CITY OF BRAINERD	SCHNELL, MICHAEL & STEPHANIE	1729 6TH ST S	BRAINERD, MN 56401	0.26
41360670	CITY OF BRAINERD	BARKER-PETERSEN, BARETTA T & MELISSA	1721 S 6TH ST	BRAINERD, MN 56401	0.26
41360671	CITY OF BRAINERD	REOPELLE, CHRISTOPHER & JUANITA	18277 RIDDLE RD NE	BEMIDJI, MN 56601	0.26
41360672	CITY OF BRAINERD	ANDERSON, ERIC L & THOMPSON, ELEANOR	1709 S 6TH ST	BRAINERD, MN 56401	0.26
41360673	CITY OF BRAINERD	WHIPPLE, ANTHONY R & MINDY L	606 RONALD ST	BRAINERD, MN 56401	0.26
41360674	CITY OF BRAINERD	CHRISTENSEN, BRADLEY A & DIANE L	10807 W WHITE MOUNTAIN RD	SUN CITY, AZ 85351	0.24
41360675	CITY OF BRAINERD	TRAXLER, DAVID C & LADY LOU C	1612 7TH ST S	BRAINERD, MN 56401	0.24
41360676	CITY OF BRAINERD	HAMILTON, KYLE & STRAW, CHELSEA	1618 SOUTH 7TH ST	BRAINERD, MN 56401	0.24
41360677	CITY OF BRAINERD	SCANLON, BARBARA J	1624 S SEVENTH ST	BRAINERD, MN 56401	0.24
41360678	CITY OF BRAINERD	CARLSON, JAMES W	1628 7TH ST S	BRAINERD, MN 56401	0.24
41360679	CITY OF BRAINERD	STUMPF, KEVIN & MARILYN	1636 S 7TH ST	BRAINERD, MN 56401	0.24
41360680	CITY OF BRAINERD	MARTIN, JEAN MARIE	1642 SOUTH 7TH ST	BRAINERD, MN 56401	0.24
41360681	CITY OF BRAINERD	SEVERSON, LINDA & LARRY	1648 7TH ST S	BRAINERD, MN 56401	0.24
41360682	CITY OF BRAINERD	LANE, GARY A & LINDA M	1654 S 7TH ST	BRAINERD, MN 56401	0.24
41360683	CITY OF BRAINERD	BRECKENRIDGE, GAIL J TRUST	605 RONALD ST	BRAINERD, MN 56401	0.24
41360684	CITY OF BRAINERD	BOTTONE, SANDRA C	1649 S 6TH ST	BRAINERD, MN 56401	0.24
41360685	CITY OF BRAINERD	SMOLKE, STEVEN J & WENDY	1643 S 6TH ST	BRAINERD, MN 56401	0.24
41360686	CITY OF BRAINERD	JUBIE, LOIS A	1635 S 6TH	BRAINERD, MN 56401	0.24
41360687	CITY OF BRAINERD	STUMPF, JACOB	1636 SOUTH 7TH ST	BRAINERD, MN 56401	0.24
41360688	CITY OF BRAINERD	HALONEN, TRISHA H & DALE L MENK	1625 6TH ST S	BRAINERD, MN 56401	0.24
41360689	CITY OF BRAINERD	LIEBEG, KRISTEN RAE	1615 6TH ST S	BRAINERD, MN 56401	0.24
41360690	CITY OF BRAINERD	FRANCIS, MARIE E	P O BOX 1142	BRAINERD, MN 56401	0.48
41360691	CITY OF BRAINERD	BROKAW, LLOYD LADD & MARK HOLLIS FORD	506 CEDAR ST	BRAINERD, MN 56401	0.83
41360692	CITY OF BRAINERD	BURBACH, MICHAEL & JESSICA	424 CEDAR ST	BRAINERD, MN 56401	0.36
41360693	CITY OF BRAINERD	MORGAN, MICHAEL L & LISA	418 CEDAR ST	BRAINERD, MN 56401	0.24
41360694	CITY OF BRAINERD	FAAS, ABIGAIL A	412 CEDAR ST	BRAINERD, MN 56401	0.24
41360695	CITY OF BRAINERD	FREDERICK, BRITTANY J	406 CEDAR ST	BRAINERD, MN 56401	0.22
41360696	CITY OF BRAINERD	ANTOLAK, SCOTT A	330 CEDAR ST	BRAINERD, MN 56401	0.28
41360697	CITY OF BRAINERD	LARSON, JASON D & JESSICA LOFRANO-LARSON	324 CEDAR ST	BRAINERD, MN 56401	0.20
41360698	CITY OF BRAINERD	CULLEN, EDWARD J & ROSELLA J	318 CEDAR ST	BRAINERD, MN 56401	0.28
41360699	CITY OF BRAINERD	BEHR, JEFFERY W & LILIA	321 CEDAR ST	BRAINERD, MN 56401	0.33
41360700	CITY OF BRAINERD	REYNOLDS, DANIEL & GOLDIE	403 CEDAR ST	BRAINERD, MN 56401	0.34
41360701	CITY OF BRAINERD	WICKHAM, DIANNE J & JEFF B	409 CEDAR ST	BRAINERD, MN 56401	0.17
41360702	CITY OF BRAINERD	MARCUSSEN, DENNIS & ERICA	415 CEDAR ST	BRAINERD, MN 56401	0.16
41360703	CITY OF BRAINERD	QUERY, JAMES R REVOCABLE TRUST	708 4TH ST S	PRINCETON, MN 55371	0.32
41360704	CITY OF BRAINERD	JOHANSEN, DANIEL	503 CEDAR ST	BRAINERD, MN 56401	0.16
41360705	CITY OF BRAINERD	MERTENS, JUSTIN G	509 CEDAR ST	BRAINERD, MN 56401	0.16
41360706	CITY OF BRAINERD	GOGOLIN, RUTH M	9422 HEARTHSIDE DR	TOWER, MN 55790	0.26
41360708	CITY OF BRAINERD	BRAINERD HOSPITALITY LLC	337 OAK GROVE ST	MINNEAPOLIS, MN 55403	1.05
41360709	CITY OF BRAINERD	MILBECK, BRADLEY O & KATHLEEN J	811 WRIGHT ST	BRAINERD, MN 56401	0.68
41360710	CITY OF BRAINERD	HENKE, DONALD E & GAIL L	807 WRIGHT ST	BRAINERD, MN 56401	0.30
41360711	CITY OF BRAINERD	SALVATION ARMY	2445 PRIOR AVE	ROSEVILLE, MN 55113-2714	0.29
41360712	CITY OF BRAINERD	REED, MITCHELL G & SARA B	1823 S 8TH ST	BRAINERD, MN 56410	0.41
41360713	CITY OF BRAINERD	WARRICK, SHIRLEY M	1815 8TH ST S	BRAINERD, MN 56410	0.29
41360714	CITY OF BRAINERD	SCOTT, JASON & ASHLEY	806 PAUL COURT	BRAINERD, MN 56410	0.27
41360715	CITY OF BRAINERD	TERRY, KARA JO	810 PAUL CT	BRAINERD, MN 56410	0.30
41360716	CITY OF BRAINERD	FRANZWA, EUGENE V & PATRICIA TRUST	814 PAUL CIRCLE	BRAINERD, MN 56410	0.35
41360717	CITY OF BRAINERD	BARTOSH, RICHARD A & BEATE	813 PAUL CIR	BRAINERD, MN 56410	0.46
41360718	CITY OF BRAINERD	JOHNSON, CAROLYN J	809 PAUL CIR	BRAINERD, MN 56410	0.30
41360719	CITY OF BRAINERD	OWEN, TIMOTHY D &	805 PAUL CT	BRAINERD, MN 56410	0.27
41360720	CITY OF BRAINERD	BOUTA, JERRY & LAURIE	1803 8TH ST S	BRAINERD, MN 56410	0.29
41360722	CITY OF BRAINERD	JOHNSON, STEPHEN & JANICE	1905 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360723	CITY OF BRAINERD	BRENDEFUR, RANCE &	1909 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360724	CITY OF BRAINERD	DENNY, LEWIS E IV & DAWN MARIE	1913 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360725	CITY OF BRAINERD	OWEN, WILLIAM & PATRICIA	1917 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360726	CITY OF BRAINERD	HEGSTROM, CARLY J	1921 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360727	CITY OF BRAINERD	BRADLEY, HERMAN A JR & DIANE	1925 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360728	CITY OF BRAINERD	HIGH, BARBARA A	1933 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360729	CITY OF BRAINERD	HIGH, BARBARA A	1933 GRAYDON AVE	BRAINERD, MN 56410	0.30
41360730	CITY OF BRAINERD	HIGH, BARBARA A	1933 GRAYDON AVE	BRAINERD, MN 56410	0.30
41360731	CITY OF BRAINERD	FABIAN, MICHAEL & TERI	1941 GRAYDON AVE	BRAINERD, MN 56410	0.38
41360732	CITY OF BRAINERD	CONNELL, TRAVIS JOHN	1942 GRAYDON AVE	BRAINERD, MN 56410	0.34
41360733	CITY OF BRAINERD	MEINKE, LOREN B	1938 GRAYDON AVE	BRAINERD, MN 56410	0.32
41360734	CITY OF BRAINERD	SCHMITT, PHILIP A	1934 GRAYDON AVE	BRAINERD, MN 56410	0.38
41360735	CITY OF BRAINERD	KADLEC, KARISA	1930 GRAYDON AVE	BRAINERD, MN 56410	0.34
41360736	CITY OF BRAINERD	BURNETT, JOAN H	1926 GRAYDON AVE	BRAINERD, MN 56410	0.38
41360737	CITY OF BRAINERD	MARK, JAMES D	1922 GRAYDON AVE	BRAINERD, MN 56410	0.38
41360738	CITY OF BRAINERD	AMUNDSON, SAMUEL P	1918 GRAYDON AVE	BRAINERD, MN 56410	0.34
41360739	CITY OF BRAINERD	LARSON, CAMERON	1914 GRAYDON AVE	BRAINERD, MN 56410	0.34
41360740	CITY OF BRAINERD	JOHNSTON, PATRICIA A	1910 GRAYDON AVE	BRAINERD, MN 56410	1.38
41360741	CITY OF BRAINERD	ERICKSON, TAD & JACLYN	1906 GRAYDON AVE	BRAINERD, MN 56410	0.69

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360742	CITY OF BRAINERD	SAWYER, BLOSSOM	1902 GRAYDON AVE	BRAINERD, MN 56410	0.40
41360743	CITY OF BRAINERD	PINDEGAYOSH, DALE MANN	1711 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360744	CITY OF BRAINERD	HARRIS, TROY R & JILL T	1705 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360745	CITY OF BRAINERD	HARRIS, TROY R & JILL T	1705 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360746	CITY OF BRAINERD	LINGENFELTER, JAY KENNETH & PATRICIA	501 LINDEN LN	BRAINERD, MN 56401	0.22
41360747	CITY OF BRAINERD	JEZIORSKI, STEPHANIE	505 LINDEN LANE	BRAINERD, MN 56401	0.20
41360748	CITY OF BRAINERD	OWEN, BRANDON D	509 LINDEN LN	BRAINERD, MN 56401	0.20
41360749	CITY OF BRAINERD	NESHEIM, FRANK & LUCY	1702 6TH ST S	BRAINERD, MN 56401	0.22
41360750	CITY OF BRAINERD	THOMS, STEVEN	1704 6TH ST S	BRAINERD, MN 56401	0.27
41360751	CITY OF BRAINERD	KARPINSKI, ARVIN J	1708 6TH ST S	BRAINERD, MN 56401	0.27
41360752	CITY OF BRAINERD	WALSH, VANCE EDWARD	1712 SIXTH ST S	BRAINERD, MN 56401	0.27
41360753	CITY OF BRAINERD	CANNON, HALEY AMBER &	1707 LINDEN LN	BRAINERD, MN 56401	0.36
41360754	CITY OF BRAINERD	SAM, RHONDA	1711 LINDEN LN	BRAINERD, MN 56401	0.24
41360755	CITY OF BRAINERD	FRAZIER, KIRK & JACQUELINE	10425 DES MOINES MEMORIAL DR S	SEATTLE, WA 98168	0.38
41360756	CITY OF BRAINERD	FEDERICI, JENNIFER	1727 LINDEN LANE	BRAINERD, MN 56401	0.18
41360757	CITY OF BRAINERD	FEDERICI, JENNIFER	1727 LINDEN LANE	BRAINERD, MN 56401	0.53
41360758	CITY OF BRAINERD	NOVICKY, JESSE P	1734 GRAYDON AVE	BRAINERD, MN 56401	0.26
41360759	CITY OF BRAINERD	MATTEN, DOLLY R	1730 GRAYDON AVE	BRAINERD, MN 56401	0.39
41360760	CITY OF BRAINERD	MATTEN, DOLLY	1730 GRAYDON AVE	BRAINERD, MN 56401	0.42
41360761	CITY OF BRAINERD	MILES, TANNER J & GUIN, HANNAH M	1714 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360762	CITY OF BRAINERD	SCHEVING, BROCK L	1710 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360763	CITY OF BRAINERD	PITT, DENNIS L & COLLEEN K	1706 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360764	CITY OF BRAINERD	DERHEIMER, JOSHUA T & TRIS A	1702 GRAYDON AVE	BRAINERD, MN 56401	0.37
41360765	CITY OF BRAINERD	MANN, ANDREW W & RACHEL E	1718 LINDEN LN	BRAINERD, MN 56401	0.28
41360766	CITY OF BRAINERD	HAWKINSON, LISA & KYLE T	1714 LINDEN LN	BRAINERD, MN 56401	0.32
41360767	CITY OF BRAINERD	SOLIEN, BENJAMIN D	1710 LINDEN LN	BRAINERD, MN 56401	0.49
41360768	CITY OF BRAINERD	BEASLEY, LINDA L TRUST	1706 LINDEN LANE	BRAINERD, MN 56401	0.71
41360769	CITY OF BRAINERD	O'DAY, MICHAEL C & ALEXANDRA D	1702 LINDEN LANE	BRAINERD, MN 56401	2.30
41360770	CITY OF BRAINERD	DEHN, JESSIE AND GERRIN	1624 GRAYDON AVE	BRAINERD, MN 56401	0.34
41360771	CITY OF BRAINERD	SCHWARTZ, DWIGHT D & MARGARET	1622 GRAYDON AVE	BRAINERD, MN 56401	0.38
41360772	CITY OF BRAINERD	ARENS, JOSEPH P	1620 GRAYDON AVE	BRAINERD, MN 56401	0.43
41360773	CITY OF BRAINERD	ANDERSON, NICHOLAS	1614 GRAYDON AVE	BRAINERD, MN 56401	0.49
41360774	CITY OF BRAINERD	KOTULA, THOMAS J & BETTE TRTEES KOT	1610 GRAYDON AVE	BRAINERD, MN 56401	0.37
41360775	CITY OF BRAINERD	SCHMITZ, PETER A	1606 GRAYDON AVE	BRAINERD, MN 56401	0.26
41360776	CITY OF BRAINERD	CALOS, MATTHEW P	1602 GRAYDON AVE	BRAINERD, MN 56401	0.40
41360777	CITY OF BRAINERD	WILSON, IAN M & JENNIFER L	1603 GRAYDON AVE	BRAINERD, MN 56401	0.37
41360778	CITY OF BRAINERD	HALBACH, MARYA LISA	15004 LYNNDALE LN	BAXTER, MN 56425	0.28
41360779	CITY OF BRAINERD	ALLEN, MISTY	1611 GRAYDON AVE	BRAINERD, MN 56401	0.28
41360780	CITY OF BRAINERD	MOON, WANDA L	1615 GRAYDON AVE	BRAINERD, MN 56401	0.28
41360781	CITY OF BRAINERD	ASKE, JEANNE M & KARL R	1619 GRAYDON AVE	BRAINERD, MN 56401	0.31
41360782	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	1.26
41360783	CITY OF BRAINERD	MANN, ANDREW W & RACHEL E	1718 LINDEN LN	BRAINERD, MN 56401	0.49
41360784	CITY OF BRAINERD	TORFIN, JEFFREY & GWENDA	1621 S 7TH ST	BRAINERD, MN 56401	1.10
41360785	CITY OF BRAINERD	CROW WING COUNTY LAND SERVICES	322 LAUREL ST STE 15	BRAINERD, MN 56401	0.09
41360786	CITY OF BRAINERD	MINNEGASCO INC ACCOUNTS PAYABLE	PO BOX 1475	HOUSTON, TX 77251-1475	0.03
41360787	CITY OF BRAINERD	DESPOT, ROBERT L REV TRUST	1302 POISSANT RD	FORT RIPLEY, MN 56449	0.29
41360788	CITY OF BRAINERD	DYRENDAHL, MICHELLE AMANDA	810 BROOK ST	BRAINERD, MN 56401	0.22
41360789	CITY OF BRAINERD	HOFFMAN, MASHONA	804 BROOK ST	BRAINERD, MN 56401	0.22
41360790	CITY OF BRAINERD	TORFIN, JEFFREY & GWENDA	1621 S 7TH ST	BRAINERD, MN 56401	0.22
41360791	CITY OF BRAINERD	DESPOT, ROBERT L REV TRUST	1302 POISSANT RD	FORT RIPLEY, MN 56449	0.27
41360792	CITY OF BRAINERD	KAIKKONEN, DARRELL & ROBIN	920 BROOK ST	BRAINERD, MN 56401	0.25
41360793	CITY OF BRAINERD	WITTSTRUCK, DAVID J & MARIA A BISEK	916 BROOK ST	BRAINERD, MN 56401	0.34
41360794	CITY OF BRAINERD	CHRISTLE, THOMAS A & KAREN A	1609 S TENTH ST	BRAINERD, MN 56401	0.17
41360795	CITY OF BRAINERD	NELSON, JAMES W & KARIN A	1324 KRAMER LAKE RD SW	PILLAGER, MN 56473	0.25
41360796	CITY OF BRAINERD	SMUDE, LAWRENCE V & BARBARA J	2677 COUNTY ROAD 113	BRAINERD, MN 56409	0.29
41360797	CITY OF BRAINERD	PRINDLE, NATALIE	1515 10TH ST S	BRAINERD, MN 56408	0.04
41360798	CITY OF BRAINERD	PRINDLE, NATALIE	1515 10TH ST S	BRAINERD, MN 56407	0.17
41360799	CITY OF BRAINERD	STUDER, JOSEPH A & CHERYL E	1511 10TH ST S	BRAINERD, MN 56406	0.19
41360800	CITY OF BRAINERD	TURCOTTE, BRANDON C & KATIE A	1503 10TH ST S	BRAINERD, MN 56405	0.31
41360801	CITY OF BRAINERD	HUMMEL, ROBERT GEORGE & LYNDA G	1520 S 10TH STREET	BRAINERD, MN 56404	0.25
41360802	CITY OF BRAINERD	HUMMEL, ROBERT GEORGE & LYNDA G	1520 S 10TH STREET	BRAINERD, MN 56403	0.23
41360803	CITY OF BRAINERD	HUMMEL, ROBERT GEORGE & LYNDA G	1520 S 10TH STREET	BRAINERD, MN 56402	0.07
41360804	CITY OF BRAINERD	KOWALKE, THOMAS P & JESSICA L	1512 10TH STREET S	BRAINERD, MN 56401	0.21
41360805	CITY OF BRAINERD	TABOR WEBER, ERICA L & CRAIGORY J	1508 10TH ST S	BRAINERD, MN 56401	0.23
41360806	CITY OF BRAINERD	MATCH, JAMES R & BEVERLY	5809 CLEARWATER RD	BAXTER, MN 56425	0.20
41360807	CITY OF BRAINERD	LAESTADIAN, CONGREGATION OF BRAINER	1501 S 8TH ST	BRAINERD, MN 56401	0.53
41360808	CITY OF BRAINERD	LAESTADIAN, CONGREGATION OF BRAINER	1501 S 8TH ST	BRAINERD, MN 56401	0.83
41360809	CITY OF BRAINERD	PAULSON, PHILLIP E JR & KATHLEEN	815 BROOK ST	BRAINERD, MN 56401	0.26
41360810	CITY OF BRAINERD	821 BROOK STREET LLC	29308 CROW CIR	BREEZY POINT, MN 56472	0.26
41360811	CITY OF BRAINERD	HOLMES, JAYME	1523 8TH ST S	BRAINERD, MN 56401	0.17
41360812	CITY OF BRAINERD	ANTUS, MICHAEL	811 BROOK ST	BRAINERD, MN 56401	0.34
41360813	CITY OF BRAINERD	LAESTADIAN, CONGREGATION OF BRAINER	1501 S 8TH ST	BRAINERD, MN 56401	0.65
41360814	CITY OF BRAINERD	JOHNSON, JAMES L & JOAN V	10501 GILBERT SHORES DR	BRAINERD, MN 56401	0.17
41360815	CITY OF BRAINERD	BETCHER, PATRICK W	13569 N SYLVAN DAM RD	PILLAGER, MN 56473	0.17
41360816	CITY OF BRAINERD	VILLWOCK, SCOTT & KRISTI	5213 GULL LAKE DAM RD	BRAINERD, MN 56401	0.17
41360817	CITY OF BRAINERD	EVANS, GREG & MELODY	1514 8TH ST S	BRAINERD, MN 56401	0.26
41360818	CITY OF BRAINERD	EUE, JENNIFER M	1524 8TH ST S	BRAINERD, MN 56401	0.40
41360819	CITY OF BRAINERD	RINGSTROM, DAVID C & ANGELA M	20334 LANCELOT LN	BRAINERD, MN 56401	0.48

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360820	CITY OF BRAINERD	WATSON, FAITH	1513 SOUTH 7TH ST	BRAINERD, MN 56401	0.16
41360821	CITY OF BRAINERD	JOHNSON, GUY D	1509 S 7TH ST	BRAINERD, MN 56401	0.16
41360822	CITY OF BRAINERD	GOODE, KEVIN R	1505 S 7TH ST	BRAINERD, MN 56401	0.21
41360823	CITY OF BRAINERD	BERNS, JOSHUA D & KRISTAL M	1501 S 7TH ST	BRAINERD, MN 56401	0.17
41360824	CITY OF BRAINERD	SCHAITBERGER, STEPHEN H TRUST AGR	1402 8TH ST S	BRAINERD, MN 56401	0.26
41360825	CITY OF BRAINERD	KAMPEN, KOREY G & SHELLI L	1410 S 8TH ST	BRAINERD, MN 56401	0.34
41360826	CITY OF BRAINERD	BEMENT, HARRY & ARLISS	11279 ASH AVE NE	BRAINERD, MN 56401	0.22
41360827	CITY OF BRAINERD	LEWIS, KALEEN R	1424 S 8TH ST	BRAINERD, MN 56401	0.21
41360828	CITY OF BRAINERD	HANSON, BRAD & SUSAN	1423 S 7TH ST	BRAINERD, MN 56401	0.17
41360829	CITY OF BRAINERD	IMDIEKE, ABRAHAM & KELSIE	1417 7TH ST S	BRAINERD, MN 56401	0.26
41360830	CITY OF BRAINERD	METZLER, PATRICK S	1411 7TH ST S	BRAINERD, MN 56401	0.26
41360831	CITY OF BRAINERD	WYMAN, DANIEL L & KAREN J	1407 S 7TH ST	BRAINERD, MN 56401	0.35
41360832	CITY OF BRAINERD	CLOSE, ALEXIS MARIE & DUSTIN	816 LAWN ST	BRAINERD, MN 56401	0.65
41360833	CITY OF BRAINERD	LAESTADIAN, CONGREGATION OF BRAINER	1501 S 8TH ST	BRAINERD, MN 56401	1.48
41360834	CITY OF BRAINERD	BEMENT, HARRY & ARLISS	11279 ASH AVE NE	BRAINERD, MN 56401	0.33
41360835	CITY OF BRAINERD	BUCHITE, CODY D	1403 S 8TH ST	BRAINERD, MN 56401	0.19
41360836	CITY OF BRAINERD	LAESTADIAN, CONGREGATION OF BRAINER	1501 S 8TH ST	BRAINERD, MN 56401	0.64
41360837	CITY OF BRAINERD	CLOSE, ALEXIS MARIE & DUSTIN	816 LAWN ST	BRAINERD, MN 56401	0.59
41360838	CITY OF BRAINERD	LAKES AREA HABITAT FOR HUMANITY INC	1110 WRIGHT ST	BRAINERD, MN 56401	0.63
41360839	CITY OF BRAINERD	BAYLISS, MISTY L	1423 10TH ST S	BRAINERD, MN 56401	0.25
41360840	CITY OF BRAINERD	SCHLEPPENBACH, WAYNE L	1413 10TH ST S	BRAINERD, MN 56401	0.41
41360841	CITY OF BRAINERD	WAYTASHEK, THOEDORE & MARLENE TRUST	1407 10TH ST S	BRAINERD, MN 56401	0.17
41360842	CITY OF BRAINERD	WEBER, PAUL G	4431 NEWTON AVE N	MINNEAPOLIS, MN 55412	0.17
41360843	CITY OF BRAINERD	ST ANDREW'S CHURCH	1108 WILLOW ST	BRAINERD, MN 56401	0.99
41360844	CITY OF BRAINERD	CROW WING COUNTY LAND SERVICES	322 LAUREL ST STE 15	BRAINERD, MN 56401	0.17
41360845	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.56
41360846	CITY OF BRAINERD	SHAW, CHASTIN &	910 WILLOW ST	BRAINERD, MN 56401	0.17
41360847	CITY OF BRAINERD	AUSTIN, KRISDELE &	912 WILLOW ST	BRAINERD, MN 56401	0.26
41360848	CITY OF BRAINERD	SLICE, GLENN R	916 WILLOW ST	BRAINERD, MN 56401	0.20
41360849	CITY OF BRAINERD	WENNBERG, DON W MD	824 WILLOW	BRAINERD, MN 56401	0.77
41360850	CITY OF BRAINERD	ENBERG, ZACHARY J & BRANDI	823 LAWN ST	BRAINERD, MN 56401	0.26
41360851	CITY OF BRAINERD	CARLSON, MARGARET	1323 8TH ST S	BRAINERD, MN 56401	0.09
41360852	CITY OF BRAINERD	BRAINERD LAKES PREMIER DEVELOPMENTS LLC	7153 FORTHUN RD STE 120	BAXTER, MN 56425	0.17
41360853	CITY OF BRAINERD	BIGLER, BILLY J & Alysia M	1313 S 8TH ST	BRAINERD, MN 56401	0.34
41360854	CITY OF BRAINERD	BOSTROM, DAVID & TAMI	6195 EDMONTON RD	BAXTER, MN 56425	0.26
41360855	CITY OF BRAINERD	WENNBERG, DON W MD	824 WILLOW	BRAINERD, MN 56401	0.17
41360856	CITY OF BRAINERD	DOUST, JOSEPH D	1302 8TH ST S	BRAINERD, MN 56401	0.17
41360857	CITY OF BRAINERD	MAESTAS, ENJOLI	1306 8TH ST S	BRAINERD, MN 56401	0.17
41360858	CITY OF BRAINERD	DUDLEY, MELYNDA MAE	1310 8TH ST S	BRAINERD, MN 56401	0.17
41360859	CITY OF BRAINERD	BRAINERD LAKES PREMIER DEV LLC	7153 FORTHUN RD STE 120	BAXTER, MN 56425	0.17
41360860	CITY OF BRAINERD	BANKS, TRAVIS E & TRACY L	15359 SHELLISA LN	BAXTER, MN 56425	0.17
41360861	CITY OF BRAINERD	MACHO, DARREN	1324 8TH ST S	BRAINERD, MN 56401	0.17
41360862	CITY OF BRAINERD	ZILKA, TAMI DANIELLE	1321 7TH ST S	BRAINERD, MN 56401	0.17
41360863	CITY OF BRAINERD	FREIDAY, DAVID W & KELLEY	1317 S 7TH STREET	BRAINERD, MN 56401	0.17
41360864	CITY OF BRAINERD	BARTOSH, CHRISTOPHER	1313 7TH ST S	BRAINERD, MN 56401	0.17
41360865	CITY OF BRAINERD	REICHENBACH, VINCENT J & JENNIFER M	1309 7TH ST S	BRAINERD, MN 56401	0.17
41360866	CITY OF BRAINERD	DAY, BRIAN T	13385 MAPLEWOOD DR	BAXTER, MN 56425	0.17
41360867	CITY OF BRAINERD	SCHARRER, TIMOTHY	1301 7TH ST S	BRAINERD, MN 56401	0.17
41360868	CITY OF BRAINERD	BRAINERD HOSPITALITY LLC	337 OAK GROVE ST	MINNEAPOLIS, MN 55403	2.15
41360869	CITY OF BRAINERD	BRAINERD SOUTH HOUSING GROUP INC	324 EAST RIVER RD	BRAINERD, MN 56401	2.35
41360870	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	804 WRIGHT ST	BRAINERD, MN 56401	1.33
41360871	CITY OF BRAINERD	RENNEKE, DEAN	6151 PARIS RD	BAXTER, MN 56425	0.59
41360872	CITY OF BRAINERD	POTTS PROPERTIES LLC	23875 N 91ST ST	SCOTTSDALE, AZ 85255	0.64
41360873	CITY OF BRAINERD	ST JOSEPH'S MEDICAL CENTER	523 N 3RD STR	BRAINERD, MN 56401	0.64
41360874	CITY OF BRAINERD	RIVER OAKS PROPERTIES LLC	1905 WEST GULL RIVER RD SW	PILLAGER, MN 56473	0.64
41360875	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	804 WRIGHT ST	BRAINERD, MN 56401	0.64
41360876	CITY OF BRAINERD	PRODUCTIVE ALTERNATIVES INC	1205 TOWER RD N	FERGUS FALLS, MN 56537	0.64
41360877	CITY OF BRAINERD	PRODUCTIVE ALTERNATIVES INC	1205 TOWER RD N	FERGUS FALLS, MN 56537	0.64
41360878	CITY OF BRAINERD	PRODUCTIVE ALTERNATIVES INC	1205 TOWER RD N	FERGUS FALLS, MN 56537	0.64
41360879	CITY OF BRAINERD	S SQUARED CAPITAL LLC	261 SCHOOL AVE #240	EXCELSIOR, MN 55331	1.54
41360880	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	804 WRIGHT ST	BRAINERD, MN 56401	0.45
41360881	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	804 WRIGHT ST	BRAINERD, MN 56401	0.56
41360882					1.50
41360883	CITY OF BRAINERD	POHLMAN, WILLARD A & LORETTA	1023 BROOK ST	BRAINERD, MN 56401	0.28
41360884	CITY OF BRAINERD	LORIMOR, ALAN C	1019 BROOK ST	BRAINERD, MN 56401	0.28
41360885	CITY OF BRAINERD	KAPING, GARRETT & SHANNON M	1015 BROOK ST	BRAINERD, MN 56401	0.32
41360886	CITY OF BRAINERD	BETCHER, PAT	13569 SYLVAN DAM RD	PILLAGER, MN 56473	0.34
41360887	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	804 WRIGHT ST	BRAINERD, MN 56401	4.98
41360888	CITY OF BRAINERD	FITZPATRICK, JOHN G & ARLENE	415 BLUFF	BRAINERD, MN 56401	0.99
41360889	CITY OF BRAINERD	HOLTEN, JENNIFER	1618 SE 13TH ST	BRAINERD, MN 56401	0.36
41360890	CITY OF BRAINERD	WARD, JOHN E & SALLY	11442 FORESTVIEW DR	BAXTER, MN 56425	0.45
41360891	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.20
41360892	CITY OF BRAINERD	CUTKAY, JOE W & TABITHA L	1516 13TH ST SE	BRAINERD, MN 56401	0.55
41360896	CITY OF BRAINERD	JOHN DAN LUKE LLC	4376 MISSION RD	NISSWA, MN 56428	1.43
41360897	CITY OF BRAINERD	BELFIORI, ANNETTE M	1512 S 13TH ST	BRAINERD, MN 56401	0.50
41360899	CITY OF BRAINERD	CROW WING COUNTY LAND SERVICES	322 LAUREL ST STE 15	BRAINERD, MN 56401	0.15
41360901	CITY OF BRAINERD	LINDSTAM, STEVEN & SUSAN TRUST AGR	37646 MOEN BEACH TRL	CROSSLAKE, MN 56442	0.54
41360902	CITY OF BRAINERD	BAKER, WILLIAM T & JACQUELIN M	1806 SE 10TH STREET	BRAINERD, MN 56401	0.64

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360903	CITY OF BRAINERD	KITTLESON, TERRENCE W	1802 S 10TH ST	BRAINERD, MN 56401	0.64
41360904	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.50
41360905	CITY OF BRAINERD	CASTLE, THOMAS & YULLY M	1804 S 8TH ST	BRAINERD, MN 56418	0.32
41360906	CITY OF BRAINERD	KUMMET, DEBBIE J	1820 S 8TH ST	BRAINERD, MN 56418	0.16
41360907	CITY OF BRAINERD	KUMMET, DEBBIE J	1820 S 8TH ST	BRAINERD, MN 56418	0.16
41360908	CITY OF BRAINERD	KUMMET, DEBBIE J	1820 S 8TH ST	BRAINERD, MN 56418	0.32
41360909	CITY OF BRAINERD	GIRLING, MICHAEL & CASSANDRA	1828 S 8TH ST	BRAINERD, MN 56418	0.32
41360910	CITY OF BRAINERD	GRAFF, JON C	1836 S 8TH STREET	BRAINERD, MN 56418	0.32
41360911	CITY OF BRAINERD	RAJALA, TORVIN & PATSY	1835 7TH ST S	BRAINERD, MN 56418	0.32
41360912	CITY OF BRAINERD	MODGLIN, KEITH	1827 S 5TH ST	BRAINERD, MN 56418	0.32
41360913	CITY OF BRAINERD	COTTEN, LORI R	1819 7TH ST S	BRAINERD, MN 56418	0.32
41360914	CITY OF BRAINERD	DOUCETTE, ERIC & BETHANY	1811 7TH ST S	BRAINERD, MN 56418	0.32
41360915	CITY OF BRAINERD	QUAST, MICHAEL ALAN	1803 7TH ST S	BRAINERD, MN 56418	0.32
41360916	CITY OF BRAINERD	MANKOWSKI, ERIK G	1836 7TH ST S	BRAINERD, MN 56418	0.32
41360917	CITY OF BRAINERD	CRANDALL, ROBERT L & DIANA J	1828 S 7TH ST	BRAINERD, MN 56418	0.32
41360918	CITY OF BRAINERD	MILLER, PAMELA L & JACK A	1820 S 7TH ST	BRAINERD, MN 56418	0.32
41360919	CITY OF BRAINERD	OGDEN, KATHY M	1812 7TH ST S	BRAINERD, MN 56418	0.32
41360920	CITY OF BRAINERD	POMERLEAU PROPERTIES LLC	1002 WRIGHT ST	BRAINERD, MN 56417	0.33
41360921	CITY OF BRAINERD	WILDS, SHELBY DENAE &	130 BIRCHRIDGE DR	BRAINERD, MN 56416	0.49
41360922	CITY OF BRAINERD	RICE, JEREMIAH & KASSIDY	126 BIRCHRIDGE DR	BRAINERD, MN 56415	0.38
41360923	CITY OF BRAINERD	SPIEGEL, SETH M & JENNIFER A	137 BIRCHRIDGE DR	BRAINERD, MN 56414	0.36
41360924	CITY OF BRAINERD	DOYLE, JEREMY E & NICOLE C	147 BIRCHRIDGE DR	BRAINERD, MN 56413	0.26
41360925	CITY OF BRAINERD	JOHNSON, SANDRA	153 BIRCHRIDGE DR	BRAINERD, MN 56412	0.38
41360926	CITY OF BRAINERD	BLONIGEN, PAULINE	157 BIRCHRIDGE DR	BRAINERD, MN 56411	0.53
41360927	CITY OF BRAINERD	MILLER, ROBERT E JR REV TRUST(1/2)	175 BIRCHRIDGE DR	BRAINERD, MN 56410	0.41
41360928	CITY OF BRAINERD	MARTIN, DENNIS J & JEANNE	1860 GRAYDON AVE	BRAINERD, MN 56409	0.19
41360929	CITY OF BRAINERD	THESING, MELINDA R	1854 GRAYDON AVE	BRAINERD, MN 56408	0.20
41360930	CITY OF BRAINERD	O'REILLY, MATTHEW DAVID	1848 GRAYDON AVE	BRAINERD, MN 56407	0.19
41360931	CITY OF BRAINERD	MELBY, MARK E & LEIGH A	1840 GRAYDON AVE	BRAINERD, MN 56406	0.20
41360932	CITY OF BRAINERD	LOVING, NEKIA D	1834 GRAYDON AVE	BRAINERD, MN 56405	0.20
41360933	CITY OF BRAINERD	VONALLEN, LUCINDA ALISON	1830 GRAYDON AVE	BRAINERD, MN 56404	0.21
41360934	CITY OF BRAINERD	BENTLER, BRADLEY ALAN & RACHEL DAWN	1824 GRAYDON AVE	BRAINERD, MN 56403	0.22
41360935	CITY OF BRAINERD	FOXX, NICHOLAS	1818 GRAYDON AVE	BRAINERD, MN 56402	0.22
41360936	CITY OF BRAINERD	GARBERICH, ROB & LISA	1808 GRAYDON AVE	BRAINERD, MN 56401	0.39
41360937	CITY OF BRAINERD	PYRAMID GROUP LLC	10620 WEST RIVER RD	BROOKLYN PARK, MN 55443	0.33
41360938	CITY OF BRAINERD	SHERMAN, ROBERT B	150 BIRCHRIDGE DR	BRAINERD, MN 56401	0.61
41360939	CITY OF BRAINERD	DRAKE, CHERYL A	164 BIRCHRIDGE DR	BRAINERD, MN 56401	0.61
41360940	CITY OF BRAINERD	WEBSTER, MARKO J & ERICA N	174 BIRCHRIDGE DR	BRAINERD, MN 56401	0.53
41360941	CITY OF BRAINERD	FINEDAY, ANITA P	182 BIRCHRIDGE DR	BRAINERD, MN 56401	0.50
41360942	CITY OF BRAINERD	FOSTER, ELIZABETH A TRSTUAD 8/10/07	1880 GRAYDON AVE	BRAINERD, MN 56401	0.31
41360943	CITY OF BRAINERD	IMGRUND, GAIL	1876 GRAYDON AVE	BRAINERD, MN 56401	0.27
41360944	CITY OF BRAINERD	KNUTSON, BRIAN K & KATALINA M	1887 GRAYDON AVE	BRAINERD, MN 56401	0.35
41360945	CITY OF BRAINERD	AFFINITY PLUS FEDERAL CREDIT UNION	175 W LAFAYETTE RD	ST PAUL, MN 55107	0.34
41360946	CITY OF BRAINERD	BOWMAN, PETER H & KRISTI A	1883 GRAYDON AVE	BRAINERD, MN 56401	0.33
41360947	CITY OF BRAINERD	GONSER, KIT A & DARLA J	204 BIRCHRIDGE DR	BRAINERD, MN 56401	0.33
41360948	CITY OF BRAINERD	WEEKS, NICHOLAS L	1838 6TH ST S	BRAINERD, MN 56401	0.30
41360949	CITY OF BRAINERD	ROBERTSON, LARS B & KARA K	1834 6TH ST S	BRAINERD, MN 56401	0.17
41360950	CITY OF BRAINERD	JERDE, SARA	1830 SOUTH 6TH ST	BRAINERD, MN 56401	0.17
41360951	CITY OF BRAINERD	TUOMI, ANNE MARIE	1826 S 6TH ST	BRAINERD, MN 56401	0.17
41360952	CITY OF BRAINERD	BENSON, KATHERINE J	1822 S 6TH ST	BRAINERD, MN 56401	0.17
41360953	CITY OF BRAINERD	CRUIKSHANK, BOBBI K & LUKAS W METTLER	1818 6TH ST S	BRAINERD, MN 56401	0.17
41360954	CITY OF BRAINERD	LUTTERMAN, DENNIS R & DARLENE	1814 6TH ST S	BRAINERD, MN 56401	0.17
41360955	CITY OF BRAINERD	CARLSON, ROBERT A	13806 161ST ST	WADENA, MN 56482	0.17
41360956	CITY OF BRAINERD	ECKSTROM, DAWN	1802 6TH ST S	BRAINERD, MN 56401	0.18
41360957	CITY OF BRAINERD	BIGHAM, DANIEL R & PATRICIA ANN	8047 INGELSIDE AVE	COTTAGE GROVE, MN 55016	0.14
41360958	CITY OF BRAINERD	SMITH, BETHANY	115 BIRCHRIDGE DR	BRAINERD, MN 56401	0.18
41360959	CITY OF BRAINERD	CLOSE, MEKENNA	1809 GRAYDON AVE	BRAINERD, MN 56401	0.17
41360960	CITY OF BRAINERD	HOPPE, WADE A & JULIE A	1813 GRAYDON AVE	BRAINERD, MN 56401	0.17
41360961	CITY OF BRAINERD	CHAPUT, TRAVIS	1817 GRAYDON AVE	BRAINERD, MN 56401	0.17
41360962	CITY OF BRAINERD	STALL, LOGAN	1821 GRAYDON AVE	BRAINERD, MN 56401	0.17
41360963	CITY OF BRAINERD	MACARTHUR, VIRGINIA J	1829 GRAYDON AVE	BRAINERD, MN 56401	0.33
41360964	CITY OF BRAINERD	ROSTE, CRYSTAL J	1833 GRAYDON AVE	BRAINERD, MN 56401	0.21
41360965	CITY OF BRAINERD	LYSCIO, MICHAEL F & ALEXIS R HUMMELL	1837 GRAYDON AVE	BRAINERD, MN 56401	0.24
41360966	CITY OF BRAINERD	IRVIN, KENNETH & MELISSA	1841 GRAYDON AVE	BRAINERD, MN 56401	0.30
41360967	CITY OF BRAINERD	REYES, BRENDA	1845 GRAYDON AVE	BRAINERD, MN 56401	0.25
41360968	CITY OF BRAINERD	NEUMANN, CARRIE LAGER	1849 GRAYDON AVE	BRAINERD, MN 56401	0.21
41360969	CITY OF BRAINERD	DALLAND, LAURA L	1853 GRAYDON AVE	BRAINERD, MN 56401	0.18
41360970	CITY OF BRAINERD	STOCK, REBECCA D	1857 GRAYDON AVE	BRAINERD, MN 56401	0.17
41360971	CITY OF BRAINERD	LINSKENS, DAWN M & HOGAN, JAMIE B	3650 VINCENT AVE N	MINNEAPOLIS, MN 55412	0.21
41360972	CITY OF BRAINERD	SAILER, BENJAMIN & MACKENZIE	116 BIRCHRIDGE DR	BRAINERD, MN 56401	0.25
41360973	CITY OF BRAINERD	QUALLEY, DARREL W & JOYCE B	P O BOX 236	FULTON, TX 78358	0.20
41360974	CITY OF BRAINERD	COLE, RICKE R & DEBRA	1748 S 6TH ST	BRAINERD, MN 56401	0.24
41360975	CITY OF BRAINERD	SHERMAN, ROBERT B	150 BIRCHRIDGE DR	BRAINERD, MN 56401	1.10
41360976	CITY OF BRAINERD	TWO DOGS PROPERTY MANAGEMENT LLC	9662 WISE RD	BRAINERD, MN 56401	1.54
41360977	CITY OF BRAINERD	TORFIN, JEFFREY & GWENDA	1621 S 7TH ST	BRAINERD, MN 56401	1.44
41360978	CITY OF BRAINERD	TORFIN, JEFFREY & GWENDA	1621 S 7TH ST	BRAINERD, MN 56401	0.56
41360979	CITY OF BRAINERD	TORFIN, JEFFREY & GWENDA	1621 S 7TH ST	BRAINERD, MN 56401	1.16
41360980					0.10

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41360981	CITY OF BRAINERD	MOEN, SHERRY L	1711 10TH ST S	BRAINERD, MN 56405	0.29
41360982	CITY OF BRAINERD	MOEN, SHERRY L	1711 10TH ST S	BRAINERD, MN 56404	0.10
41360983	CITY OF BRAINERD	HAMILTON, MICHAEL AND THERESA	1627 SOUTH 10TH ST	BRAINERD, MN 56403	0.10
41360984	CITY OF BRAINERD	HAMILTON, MICHAEL AND THERESA	1627 SOUTH 10TH ST	BRAINERD, MN 56402	0.29
41360985	CITY OF BRAINERD	MAIWALD, MELISSA M	24400 GREEN SHORES DR	BRAINERD, MN 56401	0.29
41360986	CITY OF BRAINERD	BAHR, JOSHUA R	1617 S 10TH ST	BRAINERD, MN 56401	0.25
41360987	CITY OF BRAINERD	PHILLIPS, DAVID N JR & LARISSA L	1615 SOUTH 10TH ST	BRAINERD, MN 56401	0.25
41360988	CITY OF BRAINERD	BEMENT, HARRY & ARLISS	11279 ASH AVE NE	BRAINERD, MN 56401	0.42
41360989	CITY OF BRAINERD	LEONARD, KEITH B & GLORIA R	1716 10TH ST S	BRAINERD, MN 56401	0.55
41360990	CITY OF BRAINERD	SIMENSTAD, VINCE & DENISE	1708 10TH ST S	BRAINERD, MN 56401	0.52
41360991	CITY OF BRAINERD	LEONARD, DAVID D & WENDY J	1704 S 10TH ST	BRAINERD, MN 56401	0.65
41360992	CITY OF BRAINERD	NORTHBURG, GORDON L & NEDRA	1620 S 10TH ST	BRAINERD, MN 56401	0.31
41360993	CITY OF BRAINERD	LOSSOW, IRMA	1616 S 10TH ST	BRAINERD, MN 56401	0.30
41360994	CITY OF BRAINERD	LOSSOW, RANDY H & MARY A	1614 S 10TH ST	BRAINERD, MN 56401	0.28
41360995	CITY OF BRAINERD	CHRISTLE, THOMAS A & KAREN A	1609 S TENTH ST	BRAINERD, MN 56401	0.06
41360996	CITY OF BRAINERD	BROWN, JEAN M & MARJORIE WOOD	3060 NORTHSHORE DR	BRAINERD, MN 56401	2.37
41360997	CITY OF BRAINERD	BX PROPERTIES, LIMITED LIABILITY PA	3060 NORTHSHORE DR	WAYZATA, MN 55391	3.23
41360998	CITY OF BRAINERD	BX PROPERTIES, LIMITED LIABILITY PA	3060 NORTHSHORE DR	WAYZATA, MN 55391	1.87
41360999	CITY OF BRAINERD	DICK FAMILY REAL ESTATE LLC	PO BOX 457	SAUK RAPIDS, MN 56379	3.10
41361000	CITY OF BRAINERD	DH HOLDINGS LLC	915 BLAIR CIR	BRAINERD, MN 56401	2.33
41361001	CITY OF BRAINERD	EVANGELICAL LUTHERAN GOOD SAMARITAN	804 WRIGHT ST	BRAINERD, MN 56401	2.37
41361002	CITY OF BRAINERD	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD, MN 56401	1.71
41361003	CITY OF BRAINERD	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD, MN 56401	2.28
41361004	CITY OF BRAINERD	D5 INVESTMENT LLC	3360 CHELSEA RD W	MONTICELLO, MN 55362	2.66
41361005	CITY OF BRAINERD	D5 INVESTMENT LLC	3360 CHELSEA RD W	MONTICELLO, MN 55362	3.48
41361006	CITY OF BRAINERD	VITALE 2017 MINNESOTA EXEMPT TRUST	PO BOX 666	BRAINERD, MN 56401	2.97
41361007	CITY OF BRAINERD	STATE OF MINNESOTA DEPARTMENT OF	600 CEDAR ST	SAINT PAUL, MN 55101	2.29
41361008	CITY OF BRAINERD	STATE OF MINNESOTA DEPARTMENT OF	600 CEDAR ST	SAINT PAUL, MN 55101	6.32
41361009	CITY OF BRAINERD	U S LINK	PO BOX 2629	ADDISON, TX 75001	4.40
41361010	CITY OF BRAINERD	HENCO PROPERTY LEASING LLC	417 19TH ST NW	WILLMAR, MN 56201	3.17
41361011	CITY OF BRAINERD	POJAY PROPERTIES LLC	22739 COUNTY ROAD 4	NISSWA, MN 56468	3.95
41361012	CITY OF BRAINERD	NEW EARTH TECHNOLOGIES LLC	7756 COLLEGE RD	BAXTER, MN 56425	4.04
41361013	CITY OF BRAINERD	DLP INVESTMENTS LLC	3995 ROOSEVELT RD	ST CLOUD, MN 56301	3.32
41361014	CITY OF BRAINERD	HEARTLAND PROPERTIES OF BLAINE LLC	6885 139TH LANE NW STE 100	RAMSEY, MN 55303	2.71
41361015	CITY OF BRAINERD	HEARTLAND PROPERTIES OF BLAINE LLC	6885 139TH LANE NW STE 100	RAMSEY, MN 55303	1.03
41361016	CITY OF BRAINERD	MARIGOLD FOODS INC	1270 ENERGY LN	ST PAUL, MN 55113-0003	1.03
41361017	CITY OF BRAINERD	ESAR CORPORATION	1205 MADISON ST	BRAINERD, MN 56401	1.11
41361018	CITY OF BRAINERD	ESAR CORPORATION	9303 MEADOW BROOK LN	BRAINERD, MN 56401	0.55
41361019	CITY OF BRAINERD	HEARTLAND PROPERTIES OF BLAINE LLC	6885 139TH LANE NW STE 100	RAMSEY, MN 55303	0.55
41361020	CITY OF BRAINERD	AW HOLDINGS LLC	1119 MADISON ST	BRAINERD, MN 56401	2.48
41361021	CITY OF BRAINERD	GREENFOREST ENVIRONMENTAL SOLUTIONS CO	15861 OLD STONEBRIDGE TRL	BRAINERD, MN 56401	3.95
41361022	CITY OF BRAINERD	BT PROPERTY LLC	55 GLENLAKE PKWY NE	ATLANTA, GA 30328	1.58
41361023	CITY OF BRAINERD	POMERLEAU PROPERTIES LLC	1002 WRIGHT ST	BRAINERD, MN 56401	1.29
41361024	CITY OF BRAINERD	FELSKO PROPERTIES LLC	1021 INDUSTRIAL PARK RD	BRAINERD, MN 56401	7.87
41361025	CITY OF BRAINERD	SONS & DAUGHTERS PARTNERSHIP LLC	1111 INDUSTRIAL PARK RD	BRAINERD, MN 56401	2.81
41361026	CITY OF BRAINERD	THOMPSON PROPERTIES OF BRAINERD LLC	23493 HAVEN RD	LITTLE FALLS, MN 56345	2.81
41361027	CITY OF BRAINERD	BOTTLING GROUP INC	P O BOX 660634	DALLAS, TX 75266-0634	5.43
41361028	CITY OF BRAINERD	BEST OIL LLC	PO BOX Q	TRIMONT, MN 56176	2.54
41361029	CITY OF BRAINERD	LUND PROPERTIES LLC	1676 MISSISSIPPI RIVER BLVD S	SAINT PAUL MN 55116	1.61
41361030	CITY OF BRAINERD	CONSOLIDATED TELEPHONE CO	1102 MADISON ST	BRAINERD, MN 56401	5.62
41361031	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	3.14
41361032	CITY OF BRAINERD	SUNDQUIST, STEVEN P & JUDITH C	P O BOX 978	BRAINERD, MN 56401	3.45
41361033	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	2.11
41361034	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
41361035	CITY OF BRAINERD	SCHILLING, TROY & DEBORAH SMITH	711 TODD ST	BRAINERD, MN 56401	0.36
41361036	CITY OF BRAINERD	WELDON, CHASE &	719 TODD ST	BRAINERD, MN 56401	0.55
41361037	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.47
41361038	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	1.72
41361039	CITY OF BRAINERD	VERCHOTA, ALLIE M	1639 S 7TH ST	BRAINERD, MN 56401	0.26
41361040	CITY OF BRAINERD	ASH PROPERTIES INC	722 S 6TH ST	BRAINERD, MN 56401	0.26
41361041	CITY OF BRAINERD	BRAINERD HOUSING & REDEVELOPMENT AUTHORI	324 E RIVER RD	BRAINERD, MN 56401	0.26
41361042	CITY OF BRAINERD	REYNOLDS, BROCK & KATI	707 TODD ST	BRAINERD, MN 56401	0.26
41361043	CITY OF BRAINERD	WYMAN, KRISTIN & JAMES	315 CEDAR ST	BRAINERD, MN 56401	0.17
41361044	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.18
41361045	CITY OF BRAINERD	BEASLEY, LINDA L TRUST	1706 LINDEN LANE	BRAINERD, MN 56401	0.70
41361047	CITY OF BRAINERD	KRAEMER, MARCELLENE J	1302 PARK ST	BRAINERD, MN 56401	0.32
41361048	CITY OF BRAINERD	TRINITY LUTHERAN, CHURCH	1420 S 6TH ST	BRAINERD, MN 56401	12.87
41361049	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.33
41361050	CITY OF BRAINERD	LOSCHKO, SARAH E	1418 S 7TH ST	BRAINERD, MN 56401	0.26
41361052	CITY OF BRAINERD	VREELAND, JOSEPH L & JULIE	1507 S 6TH ST	BRAINERD, MN 56401	1.48
41361053	CITY OF BRAINERD	FEIERABEND, AUDREY C	1433 S 6TH ST	BRAINERD, MN 56401	0.37
41361054	CITY OF BRAINERD	AULIE, MARCUS C	1429 6TH ST S	BRAINERD, MN 56401	0.30
41361055	CITY OF BRAINERD	MUEHLENHARDT, MARY E	1419 6TH ST S	BRAINERD, MN 56401	0.28
41361056	CITY OF BRAINERD	LUHRS, JON A TRUST (UND 1/2 INT)	1524 SEVENTH ST S	BRAINERD, MN 56401	0.50
41361057	CITY OF BRAINERD	WILSON, KAYLEEN	1510 S 7TH ST	BRAINERD, MN 56401	0.17
41361058	CITY OF BRAINERD	HANSEN, BARBARA J	1506 S 7TH ST	BRAINERD, MN 56401	0.17
41361059	CITY OF BRAINERD	LOSCHKO, JAMES F & JUDITH	1428 S 7TH	BRAINERD, MN 56401	0.28
41361060	CITY OF BRAINERD	DOUCETTE, BRIAN M	1422 7TH ST S	BRAINERD, MN 56401	0.23

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
41361061	CITY OF BRAINERD	PATRICK, DEVIN & SIERRA	1415 6TH ST S	BRAINERD, MN 56401	0.28
41361062	CITY OF BRAINERD	LONG, MICHELE A	1411 6TH ST S	BRAINERD, MN 56401	0.30
41361063	CITY OF BRAINERD	GORDON, KARI L	1414 S 7TH ST	BRAINERD, MN 56401	0.23
41361064	CITY OF BRAINERD	GILDERMAN, ISAIAH H	1404 7TH ST S	BRAINERD, MN 56401	0.20
41361065	CITY OF BRAINERD	RENDahl, JOYCE A	1400 S 7TH ST	BRAINERD, MN 56401	0.20
41361066	CITY OF BRAINERD	YEZEK, CHYLER & LECLAIRE, SAMANTHA	1312 7TH ST S	BRAINERD, MN 56401	0.26
41361067	CITY OF BRAINERD	SELISKER, CHAD	1324 S 7TH ST	BRAINERD, MN 56401	0.30
41361068	CITY OF BRAINERD	STATURE PROPERTIES BRD LLC	PO BOX 1152	BRAINERD, MN 56401	0.20
41361069	CITY OF BRAINERD	BEMENT, HARRY & ARLISS	11279 ASH AVE NE	BRAINERD, MN 56401	0.10
41361070	CITY OF BRAINERD	ERICKSON, KIMBERLY	5064 GULL LAKE DAM RD	BRAINERD, MN 56401	0.16
41361071	CITY OF BRAINERD	DEJAEGHERE, NICOLE	616 WILLOW ST	BRAINERD, MN 56401	0.21
41361072	CITY OF BRAINERD	DOSHAN, BRENT	622 WILLOW ST	BRAINERD, MN 56401	0.14
41361074	CITY OF BRAINERD	BRAINERD HOSPITALITY LLC	337 OAK GROVE ST	MINNEAPOLIS, MN 55403	0.63
41361075	CITY OF BRAINERD	BRAINERD HOSPITALITY LLC	337 OAK GROVE ST	MINNEAPOLIS, MN 55403	4.31
41361076	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	18.82
41361077	CITY OF BRAINERD	IND SCHOOL DIST, # 181	804 OAK ST	BRAINERD, MN 56401	20.37
41361078	CITY OF BRAINERD	MADISON, JULIE M REVOCABLE TRUST	1927 WOODCREST RD	BRAINERD, MN 56401	7.52
41361079	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	7.78
41361080	CITY OF BRAINERD	ROBERTS SAND & GRAVEL	1701 EMMA ST	BRAINERD, MN 56401	8.22
41361081	CITY OF BRAINERD	ROBERTS SAND & GRAVEL	1701 EMMA ST	BRAINERD, MN 56401	27.01
41361082	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.88
41361083	CITY OF BRAINERD	ROBERTS REVOCABLE TRUST	1702 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.37
41361084	CITY OF BRAINERD	BACON, JOSIAH &	1702 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.44
41361085	CITY OF BRAINERD	PETERSON, KNUTE J & MELANIE L	1701 PENNSYLVANIA AVE	BRAINERD, MN 56401	1.25
41361086	CITY OF BRAINERD	ENNS, DOUGLAS W & JEMIMA	310 HATTIE ST	BRAINERD, MN 56401	0.55
41361088	CITY OF BRAINERD	A L S PROPERTIES, STONEYBROOK SOUTH	SCHRADER BUILDING STE 201	5501 LAKELAND AVE N	31.85
41361089	CITY OF BRAINERD	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	3.13
41361090	CITY OF BRAINERD	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56401	0.05
41361091	CITY OF BRAINERD	DRIVER, DELORES F	1631 7TH ST S	BRAINERD, MN 56401	0.26
41361092	CITY OF BRAINERD	ZOELLNER, CRYSTAL &	1625 7TH ST S	BRAINERD, MN 56401	1.07
41361093	CITY OF BRAINERD	O'REILLY, DEVIN	1623 7TH ST S	BRAINERD, MN 56401	0.24
41361094	CITY OF BRAINERD	DESPOT, ROBERT L REV TRUST	1302 POISSANT RD	FORT RIPLEY, MN 56449	0.60
41361095	CITY OF BRAINERD	AT & T COMMUNICATIONS OF THE MIDWEST	1010 PINE ST, 9E-L-01	SAINT LOUIS, MO 63101	4.38
41361096	CITY OF BRAINERD	AMERICAN TOWER MANAGEMENT INC	P O BOX 723597	ATLANTA, GA 31139	0.03
41361097	CITY OF BRAINERD	LEONARD, LARRY L & IRENE	1807 S 10TH ST	BRAINERD, MN 56401	3.24
41361098	CITY OF BRAINERD	ROBERTS, KATHLEEN K	1011 SUMMIT ST	BRAINERD, MN 56401	0.98
41361099	CITY OF BRAINERD	POWERS, MICHAEL & ANN	2877 CHIPPEWA SHORES RD	BRAINERD, MN 56401	2.13
41361100	CITY OF BRAINERD	HELMIN, KYLER L & VICTORIA A	1107 BROOK ST	BRAINERD, MN 56401	1.46
41361101	CITY OF BRAINERD	HANSON, PETER J	1101 BROOK ST	BRAINERD, MN 56401	0.43
41361102	CITY OF BRAINERD	ZEIGLER, STACY R	1117 BROOK ST	BRAINERD, MN 56401	0.47
41361103	CITY OF BRAINERD	BARTYLLA, SCOTT A & MONA L	1121 BROOK ST	BRAINERD, MN 56401	0.24
41361104	CITY OF BRAINERD	HEGRE, CINDY L & JON D	1120 BROOK ST	BRAINERD, MN 56401	0.99
41361105	CITY OF BRAINERD	DOUCETTE, HARVEY D & ROBERTA	1201 BROOK STREET	BRAINERD, MN 56401	0.96
41361106	CITY OF BRAINERD	MATHISON, DUANE CURTIS	1206 BROOK ST	BRAINERD, MN 56401	1.02
41361107	CITY OF BRAINERD	SCHLEPPENBACH, WAYNE L	1413 10TH ST S	BRAINERD, MN 56401	1.04
41361108	CITY OF BRAINERD	YOUNG, BRANDON & GABRICK, ASHLEY	1420 13TH ST SE	BRAINERD, MN 56401	5.83
41361109	CITY OF BRAINERD	ST ANDREW'S CHURCH	1108 WILLOW ST	BRAINERD, MN 56401	9.82
41361110	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	22.41
41361111	CITY OF BRAINERD	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	7.35
41361116	CITY OF BRAINERD	ALDRIDGE PROPERTIES LLC	22400 IVERSON RD	IRONTON, MN 56455	1.47
41361117	CITY OF BRAINERD	GOLDEN OAK PROPERTIES LLC	8328 50TH AVE	BRAINERD, MN 56401	0.29
41361118	CITY OF BRAINERD	SOLIEN, BENJAMIN D	1710 LINDEN LN	BRAINERD, MN 56401	0.45
56010536					44.95
75060513	LONG LAKE TOWNSHIP	CROW WING COOP POWER & LIGHT	P O BOX 507	BRAINERD, MN 56401	0.11
75060515	LONG LAKE TOWNSHIP	CROW WING COOP POWER & LIGHT	P O BOX 507	BRAINERD, MN 56401	1.03
75060516	LONG LAKE TOWNSHIP	THIESSE, ALVINA M REVOCABLE TRUST	9340 COUNTY ROAD 45	BRAINERD, MN 56401	23.83
81310500	OAK LAWN TOWNSHIP	THOMPSON PROPERTIES OF BRAINERD LLC	23493 HAVEN RD	LITTLE FALLS, MN 56345	0.67
81310501	OAK LAWN TOWNSHIP	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56401	1.59
81310509	OAK LAWN TOWNSHIP	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56409	40.42
81310510	OAK LAWN TOWNSHIP	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56409	37.83
81310511	OAK LAWN TOWNSHIP	PT HOLDINGS LLC	1748 13TH ST SE	BRAINERD, MN 56409	7.23
81310512	OAK LAWN TOWNSHIP	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56409	26.77
81310513	OAK LAWN TOWNSHIP	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56408	19.96
81310514	OAK LAWN TOWNSHIP	THELEN - HAGLIN LLC	1717 13TH ST SE	BRAINERD, MN 56407	0.53
81310515	OAK LAWN TOWNSHIP	TREICHLER, JOHN W & ANN MARIE	8404 COUNTY ROAD 23	BRAINERD, MN 56406	0.28
81310516	OAK LAWN TOWNSHIP	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56405	0.91
81310517	OAK LAWN TOWNSHIP	SUPER C FARM LLC	18127 MILL RD	BRAINERD, MN 56404	0.57
81310518	OAK LAWN TOWNSHIP	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56403	0.55
81310519	OAK LAWN TOWNSHIP	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56402	0.29
81310520	OAK LAWN TOWNSHIP	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56401	2.97
81310521	OAK LAWN TOWNSHIP	IMGRUND, RONALD J & GWEN M	10126 GLACIER RD	BRAINERD, MN 56401	2.05
81310522	OAK LAWN TOWNSHIP	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	3.21
81310523	OAK LAWN TOWNSHIP	NORTHSTAR RENTAL PROPERTIES LLC	10131 INDUSTRIAL RD	BRAINERD, MN 56409	1.62
81310524	OAK LAWN TOWNSHIP	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	12.27
81310525	OAK LAWN TOWNSHIP	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	10.81
81310530	OAK LAWN TOWNSHIP	PT HOLDINGS LLC	1748 13TH ST SE	BRAINERD, MN 56409	5.19
81310531	OAK LAWN TOWNSHIP	WALSH, BRIAN E & JULIE	10131 INDUSTRIAL RD	BRAINERD, MN 56409	1.49
4136P000	CITY OF BRAINERD	UNDIVIDED INTEREST			1.12

PIN	CITY/ TOWNSHIP	OWNER NAME	OWNER ADDRESS	CITY-STATE-ZIP	Acres
				BRAINERD, MN 56401	0.42
	Blue Jay Court				0.53
	BLUE JAY TERRACE				0.77
	CSAH 45				0.20
	GREENWOOD ST				2.02
	HILLCREST DR				1.10
	Not on tax rolls				0.37
	R/W EASEMENT				0.39
	SOUTHVIEW CT				0.53
	WHIPPOORWILL LN				0.75
	WOODRIDGE LN				0.69
	R/W				1119.42
	R/W				118.46
	<New parcel>				106.48
	BUFFALO HILLS LN				2.70
	FRONTAGE RD				3.26
	GAP				27.53
	OVERLAP				9.69
	R/W				2247.16
	Unknown				6.12

PCSI	PROPERTY ID	DWSMA VULNERABILITY	GWCA or SWCA	WELL OR PERMIT ID	PCSI TYPE	PERMIT ACTIVITY	STATUS CODE	PCS CODE	PERMIT/WELL NAME	LOCATION ADDRESS	LOCATION CITY	LOCATION ZIP	OWNER NAME	OWNER ADDRESS	OWNER CITY STATE ZIP	PARCEL ACREAGE
1	41360513	High Vulnerability	BOTH	00090886	MPCA - Hazardous Waste	Hazardous Waste	I	HWG	ROBERTS SAND & GRAVEL INC	1700 EMMA ST	BRAINERD	56401	ROBERTS, KEITH W & JAN D	1700 EMMA ST	BRAINERD, MN 56401	1.45
2	41360513	High Vulnerability	BOTH	TS0011516	MPCA - Tanks	Underground Storage Tanks	A	UST	ROBERTS SAND & GRAVEL INC	1700 EMMA ST	BRAINERD	56401	ROBERTS, KEITH W & JAN D	1700 EMMA ST	BRAINERD, MN 56401	1.45
3	41360560	High Vulnerability	BOTH	232347	Public Water Supply Well	Water Supply Well	A	WEL	BRAINERD #3	CITY ADMINISTRATOR-CITY HALL	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	16.26
4	41360560	High Vulnerability	BOTH	232348	Public Water Supply Well	Water Supply Well	A	WEL	BRAINERD #4	CITY ADMINISTRATOR-CITY HALL	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	16.26
5	41361082	High Vulnerability	BOTH	232349	Public Water Supply Well	Water Supply Well	A	WEL	BRAINERD #5	CITY ADMINISTRATOR-CITY HALL	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.88
6	41360560	High Vulnerability	BOTH	232350	Public Water Supply Well	Water Supply Well	A	WEL	BRAINERD #6	CITY ADMINISTRATOR-CITY HALL	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	16.26
7	41350655	High Vulnerability	BOTH	232352	Public Water Supply Well	Water Supply Well	A	WEL	BRAINERD #7	CITY ADMINISTRATOR-CITY HALL	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	65.81
8	41360508	High Vulnerability	BOTH	403973	Public Water Supply Well	Water Supply Well	A	WEL	BRAINERD #8	CITY ADMINISTRATOR-CITY HALL	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	5.33
9	41360560	High Vulnerability	BOTH	MNG820014	MPCA - Water Quality	Water Quality	A	WWDS	BRAINERD WTP		BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	16.26
10	41360560	High Vulnerability	BOTH	409976	Located Well	Test Well	A	WEL	BRAINERD TEST WELL 1		BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	16.26
11	41360592	High Vulnerability	BOTH	COM00257	MPCA - Solid Waste	Solid Waste	A	SWMS	KEITH ANDERSON	1503 PENNSYLVANIA AVE	BRAINERD	56401	CARY, CHRISTOPHER	1503 PENNSYLVANIA AVE	BRAINERD, MN 56401	0.40
12	41360586	High Vulnerability	BOTH	COM00258	MPCA - Solid Waste	Solid Waste	A	SWMS	KEITH JOHNSON	1420 MARY ST	BRAINERD	56401	JOHNSON, KEITH M	1420 MARY ST	BRAINERD, MN 56401	0.20
13	41360586	High Vulnerability	BOTH	COM00259	MPCA - Solid Waste	Solid Waste	A	SWMS	PEGG VOSS	1420 MARY ST	BRAINERD	56401	JOHNSON, KEITH M	1420 MARY ST	BRAINERD, MN 56401	0.20
14	41360596	High Vulnerability	BOTH	COM00103	MPCA - Solid Waste	Solid Waste	A	SWMS	DAVID CAIRD	1508 MARY ST	BRAINERD	56401	J & M PROPERTY HOLDINGS 3 LLC	11429 SNAKE TRL SW	MOTLEY, MN 56466	0.15
15	41361048	High Vulnerability	BOTH	LS0016206	MPCA - Tanks	Underground Storage Tanks	I	UST	TRINITY LUTHERAN CHURCH	1420 6TH ST S	BRAINERD	56401	TRINITY LUTHERAN, CHURCH	1420 S 6TH ST	BRAINERD, MN 56401	12.87
16	41361048	High Vulnerability	BOTH	TS0124046	MPCA - Tanks	Underground Storage Tanks	I	UST	TRINITY LUTHERAN CHURCH	1420 6TH ST S	BRAINERD	56401	TRINITY LUTHERAN, CHURCH	1420 S 6TH ST	BRAINERD, MN 56401	12.87
17	41350510	High Vulnerability	SWCA		City Stormwater	Stormwater	A	SWB	CITY OF BRAINERD	501 LAUREL ST	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.64
18	41350511	High Vulnerability	SWCA		City Stormwater	Stormwater	A	SWB	CITY OF BRAINERD	501 LAUREL ST	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.46
19	41360512	High Vulnerability	GWCA	LS0005441	MPCA - Tanks	Underground Storage Tanks	I	UST	MR DONUT	1301 6TH ST S	BRAINERD	56401	LAZY H PROPERTIES LLC	501 EAST BROADWAY	LITTLE FALLS, MN 56345	0.47
20	41360512	High Vulnerability	GWCA	TS0005901	MPCA - Tanks	Underground Storage Tanks	I	UST	MR DONUT	1301 6TH ST S	BRAINERD	56401	LAZY H PROPERTIES LLC	501 EAST BROADWAY	LITTLE FALLS, MN 56345	0.47
21	41361066	High Vulnerability	GWCA	TS0005879	MPCA - Tanks	Underground Storage Tanks	R	UST	BONKERS - TOM THUMB	1325 S 6TH ST	BRAINERD	56401	YEZEK, CHYLER & LECLAIRE, SAMANTHA	1312 7TH ST S	BRAINERD, MN 56401	0.26
22	41360854	Moderate Vulnerability	GWCA	198030	Located Well	Well	A	WEL	WENNBERG, DON	1307 8TH ST S	BRAINERD	56401	BOSTROM, DAVID & TAMI	6195 EDMONTON RD	BAXTER MN 56425	0.26
23	41360849	Moderate Vulnerability	GWCA	198029	Located Well	Well	A	WEL	WENNBERG, DON	824 WILLOW ST	BRAINERD	56401	WENNBERG, DON W MD	824 WILLOW	BRAINERD, MN 56401	0.77
24	41361109	Moderate Vulnerability	GWCA	TS0017629	MPCA - Tanks	Underground Storage Tanks	R	UST	SAINT ANDREW'S CATHOLIC CHURCH	1108 WILLOW ST	BRAINERD	56401	ST ANDREW'S CHURCH	1108 WILLOW ST	BRAINERD, MN 56401	9.82
25	41360789	Moderate Vulnerability	GWCA	TS0012100	MPCA - Tanks	Underground Storage Tanks	R	UST	LAND O LAKES INC - BRAINERD	804 BROOK ST	BRAINERD	56401	HOFFMAN, MASHONA	804 BROOK ST	BRAINERD, MN 56401	0.22
26	41360979	Moderate Vulnerability	BOTH	TS0012916	MPCA - Tanks	Underground Storage Tanks	R	UST	INDEPENDENT PETROLEUM	1621 7TH ST S	BRAINERD	56401	TORFIN, JEFFREY & GWENDA	1621 S 7TH ST	BRAINERD, MN 56401	1.16
27	41361038	Moderate Vulnerability	GWCA	TS0005826	MPCA - Tanks	Underground Storage Tanks	R	UST	AT&T RADIO TOWER	723 TODD ST	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	1.72
28	41361034	Moderate Vulnerability	GWCA	198050	Unlocated Well	Well	U	WEL	CITY OF BRAINERD	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
29	41361034	Moderate Vulnerability	GWCA	437131	Unlocated Well	Well	U	WEL	CITY OF BRAINERD	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
30	41361034	Moderate Vulnerability	GWCA	409971	Unlocated Well	Test Well	U	WEL	BRAINERD TEST WELL 6	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
31	41361034	Moderate Vulnerability	GWCA	409973	Unlocated Well	Test Well	U	WEL	BRAINERD TEST WELL 4	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
32	41361034	Moderate Vulnerability	GWCA	409974	Unlocated Well	Test Well	U	WEL	BRAINERD TEST WELL 3	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
33	41361034	Moderate Vulnerability	GWCA	409975	Unlocated Well	Test Well	U	WEL	BRAINERD TEST WELL 2	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
34	41361034	Moderate Vulnerability	GWCA	273400	Unlocated Well	Well	U	WEL	CITY OF BRAINERD	1713 7TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	4.29
35	41360638	High Vulnerability	BOTH		City Stormwater	Stormwater	A	SWB	CITY OF BRAINERD	1916 6TH ST S	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	0.34
36	41360636	High Vulnerability	BOTH	MNS000347464	MPCA - Hazardous Waste	Hazardous Waste	A	HWG	ESSENTIA HEALTH NORTHERN ORTHOPEDICS	2014 S 6TH ST	BRAINERD	56401	BRAINERD LAKES INTEGRATED HEALTH	2014 S 6TH ST	BRAINERD, MN 56401	1.50
37	41360634	High Vulnerability	BOTH	MNS000122424	MPCA - Hazardous Waste	Hazardous Waste	A	HWG	ESSENTIA HEALTH SAINT JOSEPH'S BRAINERD CLINIC	2024 S 6TH ST	BRAINERD	56401	BRAINERD LAKES INTEGRATED HEALTH	2024 S 6TH ST	BRAINERD, MN 56401	1.07
38	41361076	High Vulnerability	SWCA	725262	Unlocated Well	Well	U	WEL	CITY OF BRAINERD	101 BUFFALO HILLS LN E	BRAINERD	56401	CITY OF BRAINERD	501 LAUREL ST	BRAINERD, MN 56401	18.82
39	41010615	High Vulnerability	SWCA	ENF179	MPCA - Hazardous Waste	Hazardous Waste	I	PCS	PETERSON TOWING & REPAIR	400 BUFFALO HILLS LN E	BRAINERD	56401	DK INVESTMENTS LLC	1107 6TH ST S	BRAINERD, MN 56401	0.99
40	41010606	High Vulnerability	SWCA	MNS000322152	MPCA - Hazardous Waste	Hazardous Waste	A	HWG	GUARDIAN PHARMACY - GOOD SAMARITAN SENIOR LIVING APARTMENTS	308 BUFFALO HILLS LN	BRAINERD	56401	ABRAHAMSON, FAYE A	308 BUFFALO HILLS LN W	BRAINERD, MN 56401	1.03
41	41010608	High Vulnerability	SWCA	150754	Located Well	Well	A	WEL	ASSEMBLY OF GOD CHURCH	2424 BUSINESS 371	BRAINERD	56401	MINNESOTA TEEN CHALLENGE INC	1619 PORTLAND AVE S	MINNEAPOLIS, MN 55404	9.37
42	41361088	Moderate Vulnerability	GWCA	LS0000939	MPCA - Investigation and Cleanup	Investigation and Cleanup	C	PCS-HWIC	KATHY GROSS	128 KELLY RAE RD	BRAINERD	56401	A L S PROPERTIES, STONEYBROOK SOUTH	5501 LAKELAND AVE N	CRYSTAL, MN 55429	31.85
43	41361003	Moderate Vulnerability	GWCA	TS0126193	MPCA - Tanks	Aboveground Storage Tanks	A	AST	C & L DISTRIBUTING	924 WRIGHT ST	BRAINERD	56401	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD, MN 56401	2.28
44	41361011	Moderate Vulnerability	GWCA	TS0005895	MPCA - Tanks	Underground Storage Tanks	R	UST	CHAS LEVY COMPANY	1006 WRIGHT ST	BRAINERD	56401	POJAY PROPERTIES LLC	22739 COUNTY ROAD 4	NISSWA, MN 56468	3.95
45	41361002	Moderate Vulnerability	GWCA	726797	Unlocated Well	Well	U	WEL	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD	56401	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD, MN 56401	1.71
46	41361002	Moderate Vulnerability	GWCA	726798	Unlocated Well	Well	U	WEL	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD	56401	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD, MN 56401	1.71
47	41361002	Moderate Vulnerability	GWCA	726796	Unlocated Well	Well	U	WEL	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD	56401	OPTIC PROPERTIES LLC	P O BOX 763	BRAINERD, MN 56401	1.71
48	41361022	Moderate Vulnerability	GWCA	LS0004473	MPCA - Investigation and Cleanup	Investigation and Cleanup	C	PCS-HWIC	UNITED PARCEL SERVICE	1009 MADISON ST	BRAINERD	56401	BT PROPERTY LLC	55 GLENLAKE PKWY NE	ATLANTA, GA 30328	1.58
49	41361022	Moderate Vulnerability	GWCA	LS0021567	MPCA - Investigation and Cleanup	Investigation and Cleanup	C	PCS-HWIC	UNITED PARCEL SERVICE	1009 MADISON ST	BRAINERD	56401	BT PROPERTY LLC	55 GLENLAKE PKWY NE	ATLANTA, GA 30328	1.58
50	41361022	Moderate Vulnerability	GWCA	TS0005845	MPCA - Tanks	Underground Storage Tanks	R	UST	UNITED PARCEL SERVICE	1009 MADISON ST	BRAINERD	56401	BT PROPERTY LLC	55 GLENLAKE PKWY NE	ATLANTA, GA 30328	1.58
51	41360997	Moderate Vulnerability	GWCA	TS0005861	MPCA - Tanks	Underground Storage Tanks	R	UST	NORTH STAR PLATING	2110 S 10TH ST	BRAINERD	56401	BX PROPERTIES, LIMITED LIABILITY PA	3060 NORTHSHORE DR	WAYZATA, MN 55391	3.23
52	41360547	Moderate Vulnerability	GWCA	TS0019614	MPCA - Tanks	Underground Storage Tanks	A	UST	SAVE FOOS	701 INDUSTRIAL PARK RD SW	BRAINERD	56401	H BROTHERS LLP, C/O JEFFREY HARRISON	13648 150TH ST	WADENA, MN 56482	2.00
53	41010609	Moderate Vulnerability	GWCA	437476	Located Well	Well	A	WEL	L & M STEEL	702 INDUSTRIAL PARK RD SW	BRAINERD	56401	THOMPSON, ROXANNE D	12701 NORTH PELICAN LN	MERRIFIELD, MN 56465	8.51
54	41010617	Moderate Vulnerability	GWCA	835149	Unlocated Well	Well	U	WEL	CROW WING RECYCLING INC	714 INDUSTRIAL PARK RD	BRAINERD	56401	VANWYNGEEREN PROPERTIES BRAINERD LLC	17134 JOHNSON RD	BRAINERD, MN 56401	17.30
55	41010617	Moderate Vulnerability	GWCA	RCRA01187	MPCA - Investigation and Cleanup	Investigation and Cleanup	A	PCS-HWIC	VANWYNGEEREN PROPERTIES BRAINERD LLC	714 INDUSTRIAL PARK RD	BRAINERD	56401	VANWYNGEEREN PROPERTIES BRAINERD LLC	17134 JOHNSON RD	BRAINERD, MN 56401	17.30
56	41010617	Moderate Vulnerability	GWCA	779293	Unlocated Well	Well	U	WEL	CROW WING RECYCLING	714 INDUSTRIAL PARK RD	BRAINERD	56401	VANWYNGEEREN PROPERTIES BRAINERD LLC	17134 JOHNSON RD	BRAINERD, MN 56401	17.30
57	81310524	Moderate Vulnerability	GWCA	259294	Located Well	Well	A	WEL	SHIPMAN AUTO PARTS, INC.	1711 SE 13TH ST	BRAINERD	56401	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	12.27
58	81310501	Moderate Vulnerability	GWCA	259322	Located Well	Well	A	WEL	THELEN HEATING AND ROOFI	1717 SE 13TH ST	BRAINERD	56401	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56401	1.59
59	41361088	Moderate Vulnerability	GWCA	774835	Unlocated Well	Well	U	WEL	TIMOTHY COPLEY	13TH ST S	BRAINERD	56401	A L S PROPERTIES, STONEYBROOK SOUTH	5501 LAKELAND AVE N	CRYSTAL, MN 55429	31.85
60	41361009	Moderate Vulnerability	GWCA	TS0013924	MPCA - Tanks	Underground Storage Tanks	R	UST	BRAINERD TACC	1203 WRIGHT ST	BRAINERD	56401	U S LINK	PO BOX 2629	ADDISON, TX 75001	4.40
61	41361009	Moderate Vulnerability	GWCA	TS0124491	MPCA - Tanks	Underground Storage Tanks	R	UST	TDS TELECOM TOWER	1203 WRIGHT ST	BRAINERD	56401	U S LINK	PO BOX 2629	ADDISON, TX 75001	4.40
62	41361020	Moderate Vulnerability	GWCA	TS0005810	MPCA - Tanks	Underground Storage Tanks	A	UST	GREENFOREST WASTE SERVICES LLC	1119 MADISON ST	BRAINERD	56401	AW HOLDINGS LLC	1119 MADISON ST	BRAINERD, MN 56401	2.48
63	81310524	Moderate Vulnerability	GWCA	105940	Unlocated Well	Well	U	WEL	JOHNSON, T E	1711 SE 13TH ST	BRAINERD	56401	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	12.27
64	81310520	Moderate Vulnerability	GWCA	472893	Unlocated Well	Well	U	WEL	THELEN - HAGLIN LLC	1717 13TH ST SE	BRAINERD	56401	THELEN HEATING &, ROOFING INC	1717 13TH STR SE	BRAINERD, MN 56401	2.97
65	81310517	Moderate Vulnerability	GWCA		Unlocated Well	Well	U	WEL	SUPER - HAGLIN LLC	1737 SE 13TH ST	BRAINERD	56401	SUPER C FARM LLC	18127 MILL RD	BRAINERD, MN 56401	0.57
66	81310514	Moderate Vulnerability	GWCA		Unlocated Well	Well	U	WEL	THELEN - HAGLIN LLC	1739 SE 13TH ST	BRAINERD	56401	THELEN - HAGLIN LLC	1717 13TH ST SE	BRAINERD, MN 56401	0.53
67	81310511	Moderate Vulnerability	GWCA	TS0021266	MPCA - Tanks	Underground Storage Tanks	R	UST	TCBX INC	1748 SE 13TH ST	BRAINERD	56401	PT HOLDINGS LLC, ATTN: PATRICK O'BRIEN	1748 13TH ST SE	BRAINERD, MN 56401	7.23
68	81310515	Moderate Vulnerability	GWCA		Unlocated Well	Well	U	WEL	TREICHLER, JOHN W & ANN MARIE	10052 GLACIER RD	BRAINERD	56401	TREICHLER, JOHN W & ANN MARIE	8404 COUNTY ROAD 23	BRAINERD, MN 56401	0.28
69	81310511	Moderate Vulnerability	GWCA	TS0020934	MPCA - Tanks	Underground Storage Tanks	A	UST	TCBS INC	1748 SE 13TH ST	BRAINERD	56401	PT HOLDINGS LLC, ATTN: PATRICK O'BRIEN	1748 13TH ST SE	BRAINERD, MN 56401	7.23
70	81310516	Moderate Vulnerability	GWCA		Unlocated Well	Well	U	WEL	D & G PROPERTIES, LLC	10074 GLACIER RD	BRAINERD	56401	D & G PROPERTIES, LLC	1711 SE 13TH ST	BRAINERD, MN 56401	0.91
71	81310511	Moderate Vulnerability	GWCA	259296	Located Well	Well	A</									

PCSI	PROPERTY ID	DWSMA VULNERABILITY	GWCA or SWCA	WELL OR PERMIT ID	PCSI TYPE	PERMIT ACTIVITY	STATUS CODE	PCS CODE	PERMIT/WELL NAME	LOCATION ADDRESS	LOCATION CITY	LOCATION ZIP	OWNER NAME	OWNER ADDRESS	OWNER CITY STATE ZIP	PARCEL ACREAGE
79	41361029	Moderate Vulnerability	GWCA	BF0000808	MPCA - Investigation and Cleanup	Investigation and Cleanup	A	PCS-BMS	ROAD EQUIPMENT	2006 13TH ST SE	BRAINERD	56401	LUND PROPERTIES LLC	1676 MISSISSIPPI RIVER BLVD S	SAINT PAUL, MN 55116	1.61
80	81310510	Moderate Vulnerability	GWCA	TS0005823	MPCA - Tanks	Underground Storage Tanks	R	UST	PEPSI COLA	CROW WING COUNTY FAIR GROUNDS	BRAINERD	56401	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56401	37.83
81	41361028	Moderate Vulnerability	GWCA	TS0123148	MPCA - Tanks	Underground Storage Tanks	A	UST	TRIANGLE OIL BULK PLANT	1202 MADISON ST	BRAINERD	56401	BEST OIL LLC	PO BOX Q	TRIMONT, MN 56176	2.54
82	41361028	Moderate Vulnerability	GWCA	PB3278	MPCA - Investigation and Cleanup	Investigation and Cleanup	C	PCS-BMS	IMAGE ROTOMOLDING ENTERPRISES	1100 INDUSTRIAL PARK RD SW	BRAINERD	56401	BEST OIL LLC	PO BOX Q	TRIMONT, MN 56176	2.54
83	41361026	Moderate Vulnerability	GWCA	LS0013645	MPCA - Investigation and Cleanup	Investigation and Cleanup	A	PCS	BRAINERD CENEX BULK PLANT	1123 INDUSTRIAL PARK RD SW	BRAINERD	56401	THOMPSON PROPERTIES OF BRAINERD LLC	23493 HAVEN RD	LITTLE FALLS, MN 56345	2.81
84	81310512	Moderate Vulnerability	GWCA	857277	Unlocated Well	Well	U	WEL	CROW WING COUNTY FAIR GROUNDS	CROW WING COUNTY FAIR GROUNDS	BRAINERD	56401	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56401	26.77
85	81310510	Moderate Vulnerability	GWCA	825239	Located Well	Well	A	WEL	HYTEC CONSTRUCTION	CROW WING COUNTY FAIR GROUNDS	BRAINERD	56401	CROW WING COUNTY FAIR GROUNDS	PO BOX 169	BRAINERD, MN 56401	37.83
86	41010556	Moderate Vulnerability	GWCA	TS0119042	MPCA - Tanks	Underground Storage Tanks	R	UST	THIESSE INDUSTRIAL PARK	11869 COUNTY ROAD 45	BRAINERD	56401	BTD GROUP LLC	11869 COUNTY RD 45	BRAINERD, MN 56401	3.50

**INNER WELLHEAD MANAGEMENT ZONE (IWMZ) -
POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT**

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1180002	COMMUNITY
NAME	Brainerd	
ADDRESS	Brainerd Water Superintendent, c/o Charlie Gammon, 8027 Highland Scenic Road, Baxter, MN 564257896	

FACILITY (WELL) INFORMATION

NAME	Well #3	IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?
SAMPLE POINT ID	S01	☐ YES (Please attach a copy)
UNIQUE WELL NO.	232347	☐ NO ☐ UNDETERMINED
COUNTY	Crow Wing	

PWS ID / SAMPLE POINT ID	1180002 S01	UNIQUE WELL NO.	232347
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non- community				

Agricultural Related

*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well ² (Class V well - illegal ³)	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		

SSTS Related

AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well) ²	50/300/150 ⁴	50/300/150 ⁴	100/600/300 ⁴	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1180002 S01	UNIQUE WELL NO.	232347
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal) ²	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal) ²	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		Y	125	Y
SWI	Storm water drainage well ² (Class V well - illegal ³)	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	172	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	170	N
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		

PWS ID / SAMPLE POINT ID	1180002 S01	UNIQUE WELL NO.	232347
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well¹	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
IWD	Industrial waste disposal well (Class V well)²	illegal³	illegal³		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50⁵	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	Y	185	N

Additional Sources (If there is more than one source listed above, please indicate here).

Potential Contamination Sources and Codes Based on Previous Versions of this Form

	none found within 200' of this well.						
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* New potential contaminant source.

¹ A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

² These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

³ These sources are classified as illegal by Minnesota Rules, Chapter 4725.

⁴ Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

⁵ A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / SAMPLE POINT ID	1180002 S01	UNIQUE WELL NO.	232347
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SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.
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Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?	X		
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Meyer, Aaron	DATE	10 - 18 - 2023
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RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Best management practices should be employed for outdoor chemical use, to prevent stormwater from moving chemical contaminants to surface waters or where wells could be impacted.		
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

**INNER WELLHEAD MANAGEMENT ZONE (IWMZ) -
POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT**

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1180002	COMMUNITY
NAME	Brainerd	
ADDRESS	Brainerd Water Superintendent, c/o Charlie Gammon, 8027 Highland Scenic Road, Baxter, MN 564257896	

FACILITY (WELL) INFORMATION

NAME	Well #4	IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?
SAMPLE POINT ID	S02	☐ YES (Please attach a copy)
UNIQUE WELL NO.	232348	☐ NO ☐ UNDETERMINED
COUNTY	Crow Wing	

PWS ID / SAMPLE POINT ID	1180002 S02	UNIQUE WELL NO.	232348
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non- community				

Agricultural Related

*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well ² (Class V well - illegal ³)	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		

SSTS Related

AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well) ²	50/300/150 ⁴	50/300/150 ⁴	100/600/300 ⁴	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1180002 S02	UNIQUE WELL NO.	232348
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal) ²	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal) ²	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well ² (Class V well - illegal ³)	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	172	
WEL	Operating well	record dist.	record dist.		Y	186	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	164	N**
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	90	N
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		

PWS ID / SAMPLE POINT ID	1180002 S02	UNIQUE WELL NO.	232348
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well¹	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)²	illegal³	illegal³		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50⁵	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	Y	149	N**

Additional Sources (If there is more than one source listed above, please indicate here).

Potential Contamination Sources and Codes Based on Previous Versions of this Form

	none found within 200' of this well.						
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* New potential contaminant source.

** This number is the estimated distance that this potential source is from this well even though it was identified during an inventory for an adjacent well.

¹ A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

² These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

³ These sources are classified as illegal by Minnesota Rules, Chapter 4725.

⁴ Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

⁵ A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / SAMPLE POINT ID	1180002 S02	UNIQUE WELL NO.	232348
SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.		

Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?	X		
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Wettlaufer, Mark (SWP)	DATE	10 - 18 - 2023
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RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

INNER WELLHEAD MANAGEMENT ZONE (IWMZ) - POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1180002	COMMUNITY
NAME	Brainerd	
ADDRESS	Brainerd Water Superintendent, c/o Charlie Gammon, 8027 Highland Scenic Road, Baxter, MN 564257896	

FACILITY (WELL) INFORMATION

NAME	Well #5	IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE? ☐ YES (Please attach a copy) ☐ NO ☐ UNDETERMINED
SAMPLE POINT ID	S03	
UNIQUE WELL NO.	232349	
COUNTY	Crow Wing	

PWS ID / SAMPLE POINT ID	1180002 S03	UNIQUE WELL NO.	232349
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non- community				

Agricultural Related

*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well ² (Class V well - illegal ³)	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		

SSTS Related

AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well) ²	50/300/150 ⁴	50/300/150 ⁴	100/600/300 ⁴	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1180002 S03	UNIQUE WELL NO.	232349
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal) ²	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal) ²	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well ² (Class V well - illegal ³)	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	154	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	164	N**
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	102	N
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		

PWS ID / SAMPLE POINT ID	1180002 S03	UNIQUE WELL NO.	232349
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SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.
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Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?	X		
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Wettlaufer, Mark (SWP)	DATE	10 - 18 - 2023
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RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

**INNER WELLHEAD MANAGEMENT ZONE (IWMZ) -
POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT**

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1180002	COMMUNITY
NAME	Brainerd	
ADDRESS	Brainerd Water Superintendent, c/o Charlie Gammon, 8027 Highland Scenic Road, Baxter, MN 564257896	

FACILITY (WELL) INFORMATION

NAME	Well #6	IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?
SAMPLE POINT ID	S04	☐ YES (Please attach a copy)
UNIQUE WELL NO.	232350	☐ NO ☐ UNDETERMINED
COUNTY	Crow Wing	

PWS ID / SAMPLE POINT ID	1180002 S04	UNIQUE WELL NO.	232350
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)			LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well
		Community	Non- community			

Agricultural Related

*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well ² (Class V well - illegal ³)	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		

SSTS Related

AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well) ²	50/300/150 ⁴	50/300/150 ⁴	100/600/300 ⁴	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1180002 S04	UNIQUE WELL NO.	232350
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal) ²	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal) ²	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well ² (Class V well - illegal ³)	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		Y	154	
WEL	Operating well	record dist.	record dist.		Y	186	
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	179	N**
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	100	N
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		

PWS ID / SAMPLE POINT ID	1180002 S04	UNIQUE WELL NO.	232350
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well¹	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		
IWD	Industrial waste disposal well (Class V well)²	illegal³	illegal³		N		
IWS	Interceptor, including a flammable waste or sediment	50	50		N		
OH1	Ordinary high water level of a stream, river, pond, lake, reservoir, or drainage ditch (holds water six months or more)	50	35		N		
*PP1	Petroleum buried piping	50	50		N		
*PP2	Petroleum or crude oil pipeline to a refinery or distribution center	100	100		N		
PT1	Petroleum tank or container, 1100 gal. or more, without safeguards	150	150		N		
PT2	Petroleum tank or container, 1100 gal. or more, with safeguards	100	100		N		
PT3	Petroleum tank or container, buried, between 56 and 1100 gal.	50	50		N		
PT4	Petroleum tank or container, not buried, between 56 and 1100 gal.	50⁵	20		N		
PU1	Pit or unfilled space more than four feet in depth	20	20		N		
PC1	Pollutant or contaminant that may drain into the soil	50	50	100	N		
SP1	Swimming pool, in-ground	20	20		N		
*VH1	Vertical heat exchanger, horizontal piping conforming to rule	50	10		N		
*VH2	Vertical heat exchanger (vertical) piping, conforming to rule	50	35		N		
*WR1	Wastewater rapid infiltration basin, municipal or industrial	300	300	600	N		
*WA1	Wastewater spray irrigation area, municipal or industrial	150	150	300	N		
*WS1	Wastewater stabilization pond, industrial	150	150	300	N		
*WS2	Wastewater stabilization pond, municipal, 500 or more gal./acre/day of leakage	300	300	600	N		
*WS3	Wastewater stabilization pond, municipal, less than 500 gal./acre/day of leakage	150	150	300	N		
*WT1	Wastewater treatment unit tanks, vessels and components (Package plant)	100	100		N		
*WT2	Water treatment backwash disposal area	50	50	100	N		

Additional Sources (If there is more than one source listed above, please indicate here).

Potential Contamination Sources and Codes Based on Previous Versions of this Form

	none found within 200' of this well.						
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* New potential contaminant source.

** This number is the estimated distance that this potential source is from this well even though it was identified during an inventory for an adjacent well.

¹ A sensitive well has less than 50 feet of watertight casing, and which is not cased below a confining layer or confining materials of at least 10' in thickness.

² These sources, known as Class V underground injection wells, are regulated by the federal U.S. Environmental Protection Agency.

³ These sources are classified as illegal by Minnesota Rules, Chapter 4725.

⁴ Isolation distance is determined by average flow per day or if a facility handles infectious or pathological wastes.

⁵ A community public water-supply well must be a minimum of 50 feet from a petroleum tank or container, unless the tank or container is used for emergency pumping and is located in a room or building separate from the community well; and is of double-wall construction with leak detection between walls; or is protected with secondary containment.

This form is based on the new isolation distances in Minnesota Rules, Chapter 4725, related to wells and borings adopted August 4, 2008, and Minnesota Rules, Chapter 4720, related to wellhead protection.

PWS ID / SAMPLE POINT ID	1180002 S04	UNIQUE WELL NO.	232350
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SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.
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Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?	X		
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Wettlaufer, Mark (SWP)	DATE	10 - 18 - 2023
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RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

**INNER WELLHEAD MANAGEMENT ZONE (IWMZ) -
POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT**

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1180002	COMMUNITY
NAME	Brainerd	
ADDRESS	Brainerd Water Superintendent, c/o Charlie Gammon, 8027 Highland Scenic Road, Baxter, MN 564257896	

FACILITY (WELL) INFORMATION

NAME	Well #7	IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?
SAMPLE POINT ID	S05	☐ YES (Please attach a copy)
UNIQUE WELL NO.	232352	☐ NO ☐ UNDETERMINED
COUNTY	Crow Wing	

PWS ID / SAMPLE POINT ID	1180002 S05	UNIQUE WELL NO.	232352
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)			LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well
		Community	Non- community			

Agricultural Related

*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well ² (Class V well - illegal ³)	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		

SSTS Related

AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well) ²	50/300/150 ⁴	50/300/150 ⁴	100/600/300 ⁴	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

PWS ID / SAMPLE POINT ID	1180002 S05	UNIQUE WELL NO.	232352
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal) ²	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal) ²	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well ² (Class V well - illegal ³)	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		Y	65	N
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		

PWS ID / SAMPLE POINT ID	1180002 S05	UNIQUE WELL NO.	232352
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SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.
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Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?	X		
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Meyer, Aaron	DATE	10 - 18 - 2023
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RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED
Floor drains, such as in pumphouses, that discharge to a gravel pocket or seepage pit should have a "No Dumping" sign posted.		

COMMENTS

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

**INNER WELLHEAD MANAGEMENT ZONE (IWMZ) -
POTENTIAL CONTAMINANT SOURCE INVENTORY (PCSI) REPORT**

PUBLIC WATER SYSTEM INFORMATION

PWS ID	1180002	COMMUNITY
NAME	Brainerd	
ADDRESS	Brainerd Water Superintendent, c/o Charlie Gammon, 8027 Highland Scenic Road, Baxter, MN 564257896	

FACILITY (WELL) INFORMATION

NAME	Well #8	IS THERE A WELL LOG OR ADDITIONAL CONSTRUCTION INFORMATION AVAILABLE?
SAMPLE POINT ID	S06	☐ YES (Please attach a copy)
UNIQUE WELL NO.	403973	☐ NO ☐ UNDETERMINED
COUNTY	Crow Wing	

PWS ID / SAMPLE POINT ID	1180002 S06	UNIQUE WELL NO.	403973
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non- community				

Agricultural Related

*AC1	Agricultural chemical buried piping	50	50		N		
*AC2	Agricultural chemical multiple tanks or containers for residential retail sale or use, no single tank or container exceeding, but aggregate volume exceeding 56 gal. or 100 lbs. dry weight	50	50		N		
ACP	Agricultural chemical tank or container with 25 gal. or more or 100 lbs. or more dry weight, or equipment filling or cleaning area without safeguards	150	150		N		
ACS	Agricultural chemical storage or equipment filling or cleaning area with safeguards	100	100		N		
ACR	Agricultural chemical storage or equipment filling or cleaning area with safeguards and roofed	50	50		N		
ADW	Agricultural drainage well ² (Class V well - illegal ³)	50	50		N		
AAT	Anhydrous ammonia tank (stationary tank)	50	50		N		
AB1	Animal building, feedlot, confinement area, or kennel, 0.1 to 1.0 animal unit (stockyard)	50	20	100/40	N		
AB2	Animal building or poultry building, including a horse riding area, more than 1.0 animal unit	50	50	100	N		
ABS	Animal burial area, more than 1.0 animal unit	50	50		N		
FWP	Animal feeding or watering area within a pasture, more than 1.0 animal unit	50	50	100	N		
AF1	Animal feedlot, unroofed, 300 or more animal units (stockyard)	100	100	200	N		
AF2	Animal feedlot, more than 1.0, but less than 300 animal units (stockyard)	50	50	100	N		
AMA	Animal manure application	use discretion	use discretion		N		
REN	Animal rendering plant	50	50		N		
MS1	Manure (liquid) storage basin or lagoon, unpermitted or noncertified	300	300	600	N		
MS2	Manure (liquid) storage basin or lagoon, approved earthen liner	150	150	300	N		
MS3	Manure (liquid) storage basin or lagoon, approved concrete or composite liner	100	100	200	N		
MS4	Manure (solid) storage area, not covered with a roof	100	100	200	N		
OSC	Open storage for crops	use discretion	use discretion		N		

SSTS Related

AA1	Absorption area of a soil dispersal system, average flow greater than 10,000 gal./day	300	300	600	N		
AA2	Absorption area of a soil dispersal system serving a facility handling infectious or pathological wastes, average flow 10,000 gal./day or less	150	150	300	N		
AA3	Absorption area of a soil dispersal system, average flow 10,000 gal./day or less	50	50	100	N		
AA4	Absorption area of a soil dispersal system serving multiple family residences or a non-residential facility and has the capacity to serve 20 or more persons per day (Class V well) ²	50/300/150 ⁴	50/300/150 ⁴	100/600/300 ⁴	N		
CSP	Cesspool	75	75	150	N		
AGG	Dry well, leaching pit, seepage pit	75	75	150	N		
*FD1	Floor drain, grate, or trough connected to a buried sewer	50	50		N		
*FD2	Floor drain, grate, or trough if buried sewer is air-tested, approved materials, serving one building, or two or less single-family residences	50	20		N		

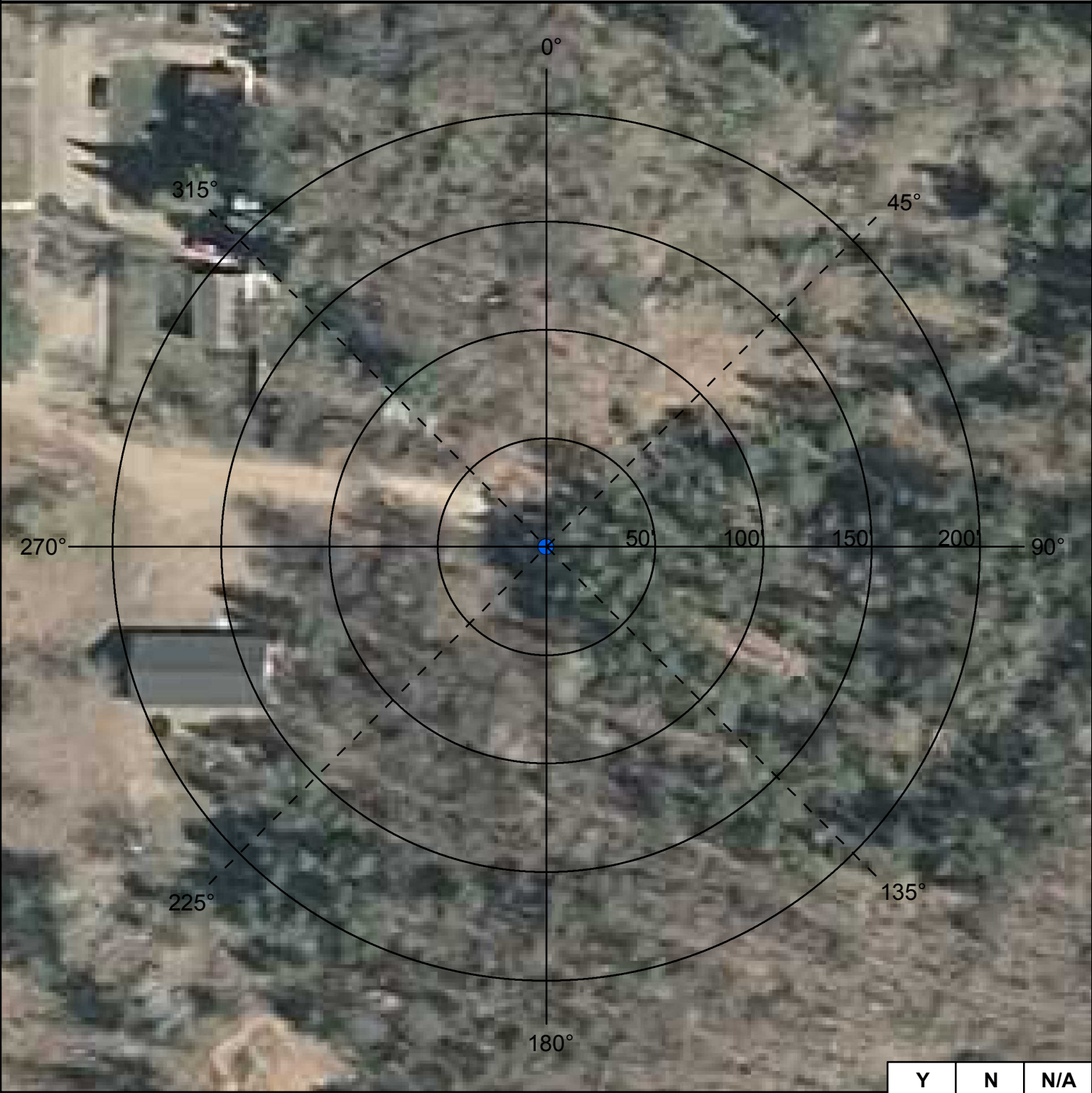
PWS ID / SAMPLE POINT ID	1180002 S06	UNIQUE WELL NO.	403973
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PCSI CODE	ACTUAL OR POTENTIAL CONTAMINATION SOURCE	ISOLATION DISTANCES (FEET)				LOCATION	
		Minimum Distances		Sensitive Well'	Within 200 Ft. Y / N / U	Dist. from Well	Est. (?)
		Community	Non-community				
*GW1	Gray-water dispersal area	50	50	100	N		
LC1	Large capacity cesspools (Class V well - illegal) ²	75	75	150	N		
MVW	Motor vehicle waste disposal (Class V well - illegal) ²	illegal	illegal		N		
PR1	Privy, nonportable	50	50	100	N		
PR2	Portable (privy) or toilet	50	20		N		
*SF1	Watertight sand filter; peat filter; or constructed wetland	50	50		N		
SET	Septic tank	50	50		N		
HTK	Sewage holding tank, watertight	50	50		N		
SS1	Sewage sump capacity 100 gal. or more	50	50		N		
SS2	Sewage sump capacity less than 100 gal., tested, conforming to rule	50	20		N		
*ST1	Sewage treatment device, watertight	50	50		N		
SB1	Sewer, buried, approved materials, tested, serving one building, or two or less single-family residences	50	20		N		
SB2	Sewer, buried, collector, municipal, serving a facility handling infectious or pathological wastes, open-jointed or unapproved materials	50	50		N		
*WB1	Water treatment backwash holding basin, reclaim basin, or surge tank with a direct sewer connection	50	50		N		
*WB2	Water treatment backwash holding basin, reclaim basin, or surge tank with a backflow protected sewer connection	20	20		N		
Land Application							
SPT	Land spreading area for sewage, septage, or sludge	50	50	100	N		
Solid Waste Related							
COS	Commercial compost site	50	50		N		
CD1	Construction or demolition debris disposal area	50	50	100	N		
*HW1	Household solid waste disposal area, single residence	50	50	100	N		
LF1	Landfill, permitted demolition debris, dump, or mixed municipal solid waste from multiple persons	300	300	600	N		
SVY	Scrap yard	50	50		N		
SWT	Solid waste transfer station	50	50		N		
Storm Water Related							
SD1	Storm water drain pipe, 8 inches or greater in diameter	50	20		N		
SWI	Storm water drainage well ² (Class V well - illegal ³)	50	50		N		
SM1	Storm water pond greater than 5000 gal.	50	35		N		
Wells and Borings							
*EB1	Elevator boring, not conforming to rule	50	50		N		
*EB2	Elevator boring, conforming to rule	20	20		N		
MON	Monitoring well	record dist.	record dist.		N		
WEL	Operating well	record dist.	record dist.		N		
UUW	Unused, unsealed well or boring	50	50		N		
General							
*CR1	Cistern or reservoir, buried, nonpressurized water supply	20	20		N		
PLM	Contaminant plume	50	50		N		
*CW1	Cooling water pond, industrial	50	50	100	N		
DC1	Deicing chemicals, bulk road	50	50	100	N		
*ET1	Electrical transformer storage area, oil-filled	50	50		N		
GRV	Grave or mausoleum	50	50		N		
GP1	Gravel pocket or French drain for clear water drainage only	20	20		N		
*HS1	Hazardous substance buried piping	50	50		N		
HS2	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight, without safeguards	150	150		N		
HS3	Hazardous substance tank or container, above ground or underground, 56 gal. or more, or 100 lbs. or more dry weight with safeguards	100	100		N		
HS4	Hazardous substance multiple storage tanks or containers for residential retail sale or use, no single tank or container exceeding 56 gal. or 100 lbs., but aggregate volume exceeding	50	50		N		
HWF	Highest water or flood level	50	N/A		N		
*HG1	Horizontal ground source closed loop heat exchanger buried piping	50	50		N		
*HG2	Horizontal ground source closed loop heat exchanger buried piping and horizontal piping, approved materials and heat transfer fluid	50	10		N		

PWS ID / SAMPLE POINT ID	1180002 S06	UNIQUE WELL NO.	403973
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SETBACK DISTANCES	All potential contaminant sources must be noted on sketch.
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Record the distance and approximate compass bearing of each potential contaminant source from the well, and identify the source using the "Source Code". Unlabeled points on the map are unsealed wells.



	Y	N	N/A
Were the isolation distances maintained for the new sources of contamination?			X
Is the system monitoring existing nonconforming sources of contamination?			X

Reminder Question: Were the wellhead protection measure(s) implemented?

INSPECTOR	Meyer, Aaron	DATE	10 - 18 - 2023
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PWS ID / SAMPLE POINT ID	1180002 S06	UNIQUE WELL NO.	403973
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RECOMMENDED WELLHEAD PROTECTION (WHP) MEASURES	WHP MEASURE IMPLEMENTED? Y or N	DATE VERIFIED

COMMENTS
A wooded ravine East, North & South surrounds the well. Should re-verify with PWS no contaminants exist SW , W of well on the 200' periphery of the IWMZ area.

For further information, please contact:

Minnesota Department of Health
Drinking Water Protection Section
Source Water Protection Unit
P.O. Box 64975
St. Paul, Minnesota 55164-0975

Section Receptionist: 651-201-4700
Division TDD: 651-201-5797 or MN Relay Service @ 1-800-627-3529 and ask for 651-201-5000

Brainerd Public Utilities Local Water Supply Plan 2017

Formerly called Water Emergency & Water Conservation Plan



Cover photo by Molly Shodeen



For more information on this Water Supply Plan Template, please contact the DNR Division of Ecological and Water Resources at (651) 259-5034 or (651) 259-5100.

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This information is available in an alternative format upon request.

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DEPARTMENT OF NATURAL RESOURCES – DIVISION OF ECOLOGICAL AND WATER RESOURCES AND METROPOLITAN COUNCIL

INTRODUCTION TO WATER SUPPLY PLANS (WSP)

Who needs to complete a Water Supply Plan

Public water suppliers serving more than 1,000 people, large private water suppliers in designated Groundwater Management Areas, and all water suppliers in the Twin Cities metropolitan area are required to prepare and submit a water supply plan.

The goal of the WSP is to help water suppliers: 1) implement long term water sustainability and conservation measures; and 2) develop critical emergency preparedness measures. Your community needs to know what measures will be implemented in case of a water crisis. A lot of emergencies can be avoided or mitigated if long term sustainability measures are implemented.

Groundwater Management Areas (GWMA)

The DNR has designated three areas of the state as Groundwater Management Areas (GWMAs) to focus groundwater management efforts in specific geographies where there is an added risk of overuse or water quality degradation. A plan directing the DNR's actions within each GWMA has been prepared. Although there are no specific additional requirements with respect to the water supply planning for communities within designated GWMAs, communities should be aware of the issues and actions planned if they are within the boundary of one of the GWMAs. The three GWMAs are the North and East Metro GWMA (Twin Cities Metro), the Bonanza Valley GWMA and the Straight River GWMA (near Park Rapids). Additional information and maps are included in the DNR webpage at

<http://www.dnr.state.mn.us/gwmp/areas.html>

Benefits of completing a WSP

Completing a WSP using this template, fulfills a water supplier's statutory obligations under M.S. [M.S.103G.291](#) to complete a water supply plan. For water suppliers in the metropolitan area, the WSP will help local governmental units to fulfill their requirements under M.S. 473.859 to complete a local comprehensive plan. Additional benefits of completing WSP template:

- The standardized format allows for quicker and easier review and approval.
- Help water suppliers prepare for droughts and water emergencies.
- Create eligibility for funding requests to the Minnesota Department of Health (MDH) for the Drinking Water Revolving Fund.
- Allow water suppliers to submit requests for new wells or expanded capacity of existing wells.
- Simplify the development of county comprehensive water plans and watershed plans.
- Fulfill the contingency plan provisions required in the MDH wellhead protection and surface water protection plans.

- Fulfill the demand reduction requirements of Minnesota Statutes, section 103G.291 subd 3 and 4.
- Upon implementation, contribute to maintaining aquifer levels, reducing potential well interference and water use conflicts, and reducing the need to drill new wells or expand system capacity.
- Enable DNR to compile and analyze water use and conservation data to help guide decisions.
- Conserve Minnesota's water resources

If your community needs assistance completing the Water Supply Plan, assistance is available from your area hydrologist or groundwater specialist, the MN Rural Waters Association circuit rider program, or in the metropolitan area from Metropolitan Council staff. Many private consultants are also available.

WSP Approval Process

10 Basic Steps for completing a 10-Year Water Supply Plan

1. Download the DNR/Metropolitan Council Water Supply Plan Template
www.mndnr.gov/watersupplyplans
2. Save the document with a file name with this naming convention:
WSP_cityname_permitnumber_date.doc.
3. The template is a form that should be completed electronically.
4. Compile the required water use data (Part 1) and emergency procedures information (Part 2)
5. The Water Conservation section (Part 3) may need discussion with the water department, council, or planning commission, if your community does not already have an active water conservation program.
6. Communities in the seven-county Twin Cities metropolitan area should complete all the information discussed in Part 4. The Metropolitan Council has additional guidance information on their webpage <http://www.metrocouncil.org/Handbook/Plan-Elements/Water-Resources/Water-Supply.aspx>. All out-state water suppliers do *not* need to complete the content addressed in Part 4.
7. Use the Plan instructions and Checklist document to insure all data is complete and attachments are included. This will allow for a quicker approval process. www.mndnr.gov/watersupplyplans
8. Plans should be submitted electronically – no paper documents are required.
<https://webapps11.dnr.state.mn.us/mpars/public/authentication/login>
9. DNR hydrologist will review plans (in cooperation with Metropolitan Council in Metro area) and approve the plan or make recommendations.
10. Once approved, communities should complete a Certification of Adoption form, and send a copy to the DNR.

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

Table 1. General information regarding this WSP

Requested Information	Description
DNR Water Appropriation Permit Number(s)	1977-3523
Ownership	☒ Public or ☐ Private
Metropolitan Council Area	☐ Yes or ☒ No Crow Wing County
Street Address	8027 Highland Scenic Rd
City, State, Zip	Brainerd, MN 56401
Contact Person Name	Scott Magnuson
Title	Superintendent
Phone Number	218-825-3213
MDH Supplier Classification	Municipal

PART 1. WATER SUPPLY SYSTEM DESCRIPTION AND EVALUATION

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

A. Analysis of Water Demand

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

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

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

--

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

Year	Pop. Served	Total Connections	Residential Water Delivered (MG)	C/I/I Water Delivered (MG)	Water used for Non-essential	Wholesale Deliveries (MG)	Total Water Delivered (MG)	Total Water Pumped (MG)	Water Supplier Services	Percent Unmetered/Unaccounted	Average Daily Demand (MGD)	Max. Daily Demand (MGD)	Date of Max. Demand	Residential Per Capita Demand (GPCD)	Total per capita Demand (GPCD)
2005	13798	4617	194	298	n/a	100	592	685	n/a	13.7	1.62			39	116
2006	13849	4679	217	332	n/a	177	726	818	n/a	11.2	1.99			43	127
2007	13849	4664	206	329	n/a	143	678	751	n/a	9.7	1.86			41	120
2008	13775	4613	188	276	n/a	21.3	485	540	n/a	10.2	1.32			37	107
2009	13770	4609	184	266	n/a	41	491	569	n/a	14.7	1.34			36	113
2010	13590	4626	177	275	n/a	22.3	474	514	n/a	8.8	1.29			35	103
2011	13533	4621	170	265	n/a	24.9	460	500	n/a	8	1.26			34	101
2012	13526	4642	173	266	n/a	31.8	471	497	n/a	7.3	1.29	2.4	7-2	35	100
2013	13487	4651	170	263	n/a	29.7	463	507	n/a	8.9	1.26	2.5	8-7	34	103
2014	13371	4629	180	239	n/a	31.1	450	500	n/a	9	1.23	2.3	8-13	36	102
2015	13371	4650	164	248	n/a	37.1	449	506	n/a	11.3	1.23	2.4	7-22	33	104
Avg. 2010-2015	13480	4635	172	259	n/a	29.5	461	504	n/a	8.8	1.26	2.4		34.5	102

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

See Glossary for definitions

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

Table 3. Large volume users

Customer	Use Category (Residential, Industrial, Commercial, Institutional, Wholesale)	Amount Used (Gallons per Year)	Percent of Total Annual Water Delivered	Implementing Water Conservation Measures? (Yes/No/Unknown)
1 ST JOSEPHS HOSP.	COMMERCIAL	13,892,000	3.2	UNKNOWN
2 COUNTY BLDG	COMMERCIAL	6,111,000	1.4	LOW FLOW FIXT
3 HIGH SCHOOL	COMMERCIAL	4,096,000	.97	UNKNOWN
4 KEYSTONE	COMMERCIAL	4,076,367	.97	UNKNOWN
5 BRD. H.R.A.	COMMERCIAL	4,008,000	.97	UNKNOWN
6 ST JOSEPHS BMC	COMMERCIAL	3,349,000	.7	UNKNOWN
7 EDGEWOOD SR.	COMMERCIAL	2,595,000	.6	LOW FLOW FIXT
8 BRD. MANOR	COMMERCIAL	2,566,000	.6	LOW FLOW FIXT
9 BAHA	COMMERCIAL	2,554,000	.6	NO
10 MISS. TERRACE	COMMERCIAL	2,499,750	.6	LOW FLOW FIXT

B. Treatment and Storage Capacity

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

Table 4. Water treatment capacity and treatment processes

Treatment Site ID (Plant Name or Well ID)	Year Constructed	Treatment Capacity (GPD)	Treatment Method	Treatment Type	Annual Amount of Residuals	Disposal Process for Residuals	Do You Reclaim Filter Backwash Water?
central	1931	1.5 MGD	Catalization	Fe/Mn removal		Settling pond	No
Addition	1946	1.5 MGD	Same	Same		Same	No
Addition	1965	4.3 MGD	Same	Same		Same	No
Total	NA	7.3 MGD	NA	NA		NA	

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

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

Structure Name	Type of Storage Structure	Year Constructed	Primary Material	Storage Capacity (Gallons)
1 DT & East	Elevated storage	1959 & 1958	Steel	1 MG & .6 MG
2 Water Plant	Ground storage	1973	Steel	1 MG
3 Water Plant	Ground storage	1935	Concrete	.8 MG
Total	NA	NA	NA	

Treatment and storage capacity versus demand

It is recommended that total storage equal or exceed the average daily demand.

Discuss the difference between current storage and treatment capacity versus the water supplier's projected average water demand over the next 10 years (see Table 7 for projected water demand):

Currently, our storage and treatment capacity far exceed the needs of demand now and looking 10 years into the future. We are though looking at new raw water storage at the plant to eliminate the old concrete storage, the lead paint steel storage, and the backwash system and storage tank. Probably a 2019 project.

C. Water Sources

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

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

Table 6. Water sources and status

Resource Type (Groundwater, Surface water, Interconnection)	Resource Name	MN Unique Well # or Intake ID	Year Installed	Capacity (Gallons per Minute)	Well Depth (Feet)	Status of Normal and Emergency Operations (active, inactive, emergency only, retail/wholesale interconnection))	Does this Source have a Dedicated Emergency Power Source? (Yes or No)
Groundwater	Well 3	232347	1938	1000	121	Active	Yes
Groundwater	Well 4	232348	1944	900	120	Active	Yes
Groundwater	Well 5	232349	1947	1000	150	Active	Yes
Groundwater	Well 6	232350	1947	1200	145	Active	Yes
Groundwater	Well 7	232352	1955	2300	150	Active	Yes
Groundwater	Well 8	403973	1983	1100	187	Active	Yes
Resource Type (Groundwater, Surface water, Interconnection)	Resource Name	MN Unique Well # or Intake ID	Year Installed	Capacity (Gallons per Minute)	Well Depth (Feet)	Status of Normal and Emergency Operations (active, inactive, emergency only, retail/wholesale interconnection))	Does this Source have a Dedicated Emergency Power Source? (Yes or No)
Interconnection w/ city of Baxter	Jackson Street	N/A			N/A	Emergency only	N/A
Interconnection w/ city of Baxter	Ind. Park Rd. & Highland Sc. Rd.	N/A			N/A	Emergency only	N/A

Limits on Emergency Interconnections

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

Approx. 1 MGD from the city of Baxter to the city of Brainerd is available in emergency situations. Connection can be accomplished in less than one hour.

D. Future Demand Projections – Key Metropolitan Council Benchmark

Water Use Trends

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

Looking at the data in table two, and information from the state demographer, the population is slowly trending down. We are starting to see a couple houses built each year, first time since 2008, but there are still a large number of empty homes in Brainerd. Currently, 51% of homes in Brainerd are rental, and a large number of homes in Brainerd have an elderly couple in them, explaining the low per capita numbers and daily demand numbers. Also, due to rental properties, and Brainerd not having a “green grass” ordinance, not a lot of water is used to irrigate lawns.

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

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

Table 7. Projected annual water demand

Year	Projected Total Population	Projected Population Served	Projected Total Per Capita Water Demand (GPCD)	Projected Average Daily Demand (MGD)	Projected Maximum Daily Demand (MGD)
2016	13,500	13,500	100	1.17	2.40
2017	13,500	13,500	100	1.15	2.38
2018	13,500	13,500	100	1.13	2.36
2019	13,500	13,500	100	1.11	2.34
2020	13,500	13,500	100	1.09	2.32
2021	13,500	13,500	100	1.07	2.30
2022	13,500	13,500	100	1.05	2.28
2023	13,500	13,500	100	1.03	2.26
2024	13,500	13,500	100	1.01	2.24
2025	13,500	13,500	100	1.00	2.22

GPCD – Gallons per Capita per Day

MGD – Million Gallons per Day

Projection Method

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

Using both state demographer info, which showed Brainerd growing slightly in the next ten years, and Brainerd City planner information, showing Brainerd shrinking in size, is assumed a growth rate of zero for the next ten years. With information from table seven (7) showing reduced numbers in all categories, I continued that trend, although at a slightly lesser rate, for water use. Brainerd city does not have a lot of room for large scale companies to come in drastically change our water trends.

E. Resource Sustainability

Monitoring – Key DNR Benchmark

Complete Table 8 by inserting information about source water quality and quantity monitoring efforts. List should include all production wells, observation wells, and source water intakes or reservoirs. Add rows to the table as needed. Find information on groundwater level monitoring program at:

http://www.dnr.state.mn.us/waters/groundwater_section/obwell/index.html

Table 8. Information about source water quality and quantity monitoring

MN Unique Well # or Surface Water ID	Type of monitoring point	Monitoring program	Frequency of monitoring	Monitoring Method
Well # 232347 Well # 232348 Well # 232349 Well # 232350 Well # 232352 Well # 403973	☒ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ routine MDH sampling ☒ routine water utility sampling ☐ other	☐ continuous ☐ hourly ☐ daily ☒ weekly ☐ quarterly ☐ annually	☐ SCADA ☐ grab sampling ☐ steel tape ☒ sounder
	☐ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ routine MDH sampling ☐ routine water utility sampling ☐ other	☐ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☐ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge
	☐ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ routine MDH sampling ☐ routine water utility sampling ☐ other	☐ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☐ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge
	☐ production well ☐ observation well ☐ source water intake ☐ source water reservoir	☐ routine MDH sampling ☐ routine water utility sampling ☐ other	☐ continuous ☐ hourly ☐ daily ☐ monthly ☐ quarterly ☐ annually	☐ SCADA ☐ grab sampling ☐ steel tape ☐ stream gauge

Water Level Data

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

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

Provide water level data graphs for each well in **Appendix 3** for the life of the well, or for as many years as water levels have been measured. See DNR website for Date Time Water Level

http://www.dnr.state.mn.us/waters/groundwater_section/obwell/waterleveldata.html

Table 9. Water level data

Unique Well Number or Well ID	Aquifer Name	Seasonal Variation (Feet)	Long-term Trend in water level data	Water level measured during well/pumping maintenance
232347	QWTA	2.9	☐ Falling ☒ Stable ☐ Rising	7-27-14
232348	QWTA	2.7	☐ Falling ☒ Stable ☐ Rising	4-26-14
232349	QWTA	5.2	☐ Falling ☒ Stable ☐ Rising	9-15-14
232350	QWTA	2.9	☐ Falling ☒ Stable ☐ Rising	8-19-14
232352	QWTA	2.9	☐ Falling ☒ Stable ☐ Rising	10-27-14
403973	QWTA	1.8	☐ Falling ☒ Stable ☐ Rising	3-31-09

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

Complete Table 10 by listing the types of natural resources that are or could be impacted by permitted water withdrawals. If known, provide the name of specific resources that may be impacted. Identify

what the greatest risks to the resource are and how the risks are being assessed. Identify any resource protection thresholds – formal or informal – that have been established to identify when actions should be taken to mitigate impacts. Provide information about the potential mitigation actions that may be taken, if a resource protection threshold is crossed. Add additional rows to the table as needed. See glossary at the end of the template for definitions.

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

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

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

Table 10. Natural resource impacts

Resource Type	Resource Name	Risk	Risk Assessed Through	Describe Resource Protection Threshold *	Mitigation Measure or Management Plan	Describe How Changes to Thresholds are Monitored
☐ River or stream		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: ____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	
☐ Calcareous fen		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: ____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	

Resource Type	Resource Name	Risk	Risk Assessed Through	Describe Resource Protection Threshold *	Mitigation Measure or Management Plan	Describe How Changes to Thresholds are Monitored
		☐ Other: _____				
☐ Lake		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: ____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	
☐ Wetland		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: ____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	
☐ Trout stream		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: ____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	
☒ Aquifer		☒ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded	☐ GIS analysis ☒ Modeling ☒ Mapping	n/a	☐ Revise permit ☐ Change groundwater pumping	Bi-weekly monitoring of aquifer

Resource Type	Resource Name	Risk	Risk Assessed Through	Describe Resource Protection Threshold *	Mitigation Measure or Management Plan	Describe How Changes to Thresholds are Monitored
		☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☒ Monitoring ☒ Aquifer testing ☐ Other: ____		☐ Increase conservation ☐ Other	
☐ Endangered, threatened, or special concern species habitat, other natural resource impacts		☐ Flow/water level decline ☐ Degrading water quality trends and/or MCLs exceeded ☐ Impacts on endangered, threatened, or special concern species habitat or other natural resource impacts ☐ Other: _____	☐ GIS analysis ☐ Modeling ☐ Mapping ☐ Monitoring ☐ Aquifer testing ☐ Other: ____		☐ Revise permit ☐ Change groundwater pumping ☐ Increase conservation ☐ Other	

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

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

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

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

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

Plan Type	Status	Date Adopted	Date for Update
WHP	☐ In Process ☒ Completed ☐ Not Applicable	April 2012	April 2022
SWP	☐ In Process ☐ Completed ☒ Not Applicable		

F. Capital Improvement Plan (CIP)

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

Adequacy of Water Supply System

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

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

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

Table 12. Adequacy of Water Supply System

System Component	Planned action	Anticipated Construction Year	Notes
Wells/Intakes	☒ No action planned - adequate ☐ Repair/replacement ☐ Expansion/addition		
Water Storage Facilities	☐ No action planned - adequate ☒ Repair/replacement ☐ Expansion/addition	2019	New 2MG raw water storage tank to replace existing 1.8MG tanks
Water Treatment Facilities	☒ No action planned - adequate ☐ Repair/replacement ☐ Expansion/addition		
Distribution Systems (pipes, valves, etc.)	☐ No action planned - adequate ☒ Repair/replacement ☐ Expansion/addition	2018	1 mile of 8"-16" water main replacement on B371, part of main line from water plant to elevated tower

System Component	Planned action	Anticipated Construction Year	Notes
Pressure Zones	☐ No action planned - adequate ☐ Repair/replacement ☐ Expansion/addition		
Other: additional elevated tower	☐ No action planned - adequate ☐ Repair/replacement ☒ Expansion/addition	2020	.6 MG tower in south pressure zone

Proposed Future Water Sources

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

Table 13. Proposed future installations/sources

Source	Installation Location (approximate)	Resource Name	Proposed Pumping Capacity (gpm)	Planned Installation Year	Planned Partnerships
Groundwater	n/a				
Surface Water	n/a				
Interconnection to another supplier	n/a				

Water Source Alternatives - Key Metropolitan Council Benchmark

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

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

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

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

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

Table 14. Alternative water sources

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

Part 2. Emergency Preparedness Procedures

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

A. Federal Emergency Response Plan

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

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

If yes, what was the date it was certified? June 24, 2004

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

Table 15. Emergency Preparedness Plan contact information

Emergency Response Plan Role	Contact Person	Contact Phone Number	Contact Email
Emergency Response Lead	Scott Magnuson	218-825-3213	smagnuson@bpu.org
Alternate Emergency Response Lead	Sam Arnzen	218-825-3280	central@bpu.org

B. Operational Contingency Plan

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

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

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

C. Emergency Response Procedures

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

Emergency Telephone List

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

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

Current Water Sources and Service Area

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

Do records and maps exist? Yes ☒ No ☐

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

Yes ☒ No ☐

Does the appropriate staff know where the materials are located?

Yes ☒ No ☐

Procedure for Augmenting Water Supplies

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

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

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

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

Other Water Supply System Owner	Capacity (GPM & MGD)	Note Any Limitations On Use	List of services, equipment, supplies available to respond
CITY OF BAXTER	1 MGD		TWO POINTS OF INTERCONNECT

GPM – Gallons per minute MGD – million gallons per day

Table 17. Utilizing surface water as an alternative source

Surface Water Source Name	Capacity (GPM)	Capacity (MGD)	Treatment Needs	Note Any Limitations On Use
N/A				

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

Culligan Water, National Guard, in Brainerd, with potable water units.
--

Allocation and Demand Reduction Procedures

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

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

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

Water used for human needs at hospitals, nursing homes and similar types of facilities should be designated as a high priority to be maintained in an emergency. Lower priority uses will need to address water used for human needs at other types of facilities such as hotels, office buildings, and manufacturing plants. The volume of water and other types of water uses at these facilities must be carefully considered. After reviewing the data, common sense should dictate local allocation priorities to protect domestic requirements over certain types of economic needs. Water use for lawn sprinkling, vehicle washing, golf courses, and recreation are legislatively considered non-essential.

Table 18. Water use priorities

Customer Category	Allocation Priority	Average Daily Demand (GPD)	Short-Term Emergency Demand Reduction Potential (GPD)
Residential	1	465,060	150,000
Institutional	1	123,000	25,000
Commercial	2	703,000	150,000
Industrial	3	83,900	83,900
Irrigation	3	N/A	
Wholesale	N/A	N/A	
Non-Essential	6		
TOTAL	NA	1,374,960	408,900

GPD – Gallons per Day

Tip: Calculating Emergency Demand Reduction Potential

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

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

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

Emergency Triggers	Short-term Actions	Long-term Actions
☒ Contamination ☒ Loss of production ☒ Infrastructure failure ☒ Executive order by Governor ☐ Other: _____	☒ Supply augmentation through interconnection ☒ Adopt (if not already) and enforce a critical water deficiency ordinance to penalize lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☐ Water allocation through _____ ☒ Meet with large water users to discuss their contingency plan.	☒ Supply augmentation through interconnection ☒ Adopt (if not already) and enforce a critical water deficiency ordinance to penalize lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☐ Water allocation through _____ ☒ Meet with large water users to discuss their contingency plan.

Notification Procedures

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

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

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

Enforcement

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

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

Important Note:

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

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

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

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

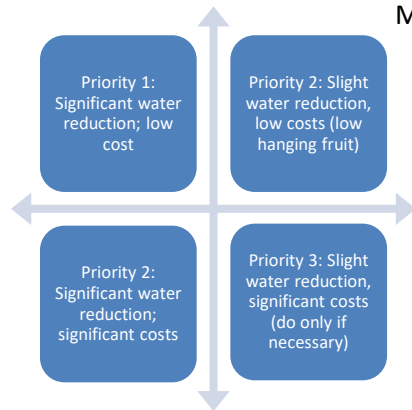
Irrespective of whether a critical water deficiency control is in place, does the public water supply utility, city manager, mayor, or emergency manager have standing authority to implement water restrictions? Yes ☒ No ☐

If yes, cite the regulatory authority reference: BPU water restriction ordinance.

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

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PART 3. WATER CONSERVATION PLAN



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

There are many incentives for conserving water; conservation:

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

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

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

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

Progress since 2006

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

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

n/a

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

Table 21. Implementation of previous ten-year Conservation Plan

2006 Plan Commitments	Action Taken?
Change water rates structure to provide conservation pricing	☐ Yes ☒ No
Water supply system improvements (e.g. leak repairs, valve replacements, etc.)	☒ Yes ☐ No
Educational efforts	☒ Yes ☐ No
New water conservation ordinances	☒ Yes ☐ No
Rebate or retrofitting Program (e.g. for toilet, faucets, appliances, showerheads, dish washers, washing machines, irrigation systems, rain barrels, water softeners, etc.)	☒ Yes ☐ No
Enforcement	☐ Yes ☒ No
Describe other	☐ Yes ☒ No

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

Looking at data, hard to tell. For sure we have a decline in usage, part due to our work and part due to other factors (age, rental property)

A. Triggers for Allocation and Demand Reduction Actions

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

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

Objective	Triggers	Actions
Protect surface water flows	☐ Low stream flow conditions ☐ Reports of declining wetland and lake levels ☐ Other: _____	☐ Increase promotion of conservation measures ☐ Other: _____
Short-term demand reduction (less than 1 year)	☒ Extremely high seasonal water demand (more than double winter demand) ☒ Loss of treatment capacity ☐ Lack of water in storage ☐ State drought plan ☐ Well interference ☐ Other: _____	☒ Adopt (if not already) and enforce the critical water deficiency ordinance to restrict or prohibit lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☒ Supply augmentation through interconnection ☐ Water allocation through _____ ☐ Meet with large water users to discuss user's contingency plan.
Long-term demand reduction (>1 year)	☒ Per capita demand increasing ☐ Total demand increase (higher population or more industry) Water level in well(s) below elevation of _____ ☐ Other: _____	☐ Develop a critical water deficiency ordinance that is or can be quickly adopted to penalize lawn watering, vehicle washing, golf course and park irrigation & other nonessential uses. ☐ Enact a water waste ordinance that targets overwatering (causing water to flow off the landscape into streets, parking lots, or similar), watering impervious surfaces (streets, driveways or other hardscape areas), and negligence of known leaks, breaks, or malfunctions. ☒ Meet with large water users to discuss user's contingency plan. ☐ Enhanced monitoring and reporting: audits, meters, billing, etc.
Governor's "Critical Water Deficiency Order" declared	☐ Governor declares critical water deficiency order	☐ Policy 2017-21 is activated. Policy is listed below

POLICY NO. 2017-21

A POLICY regulating nonessential water usage upon critical water deficiency as authorized by Minn. Stat. § 103G.291, subd. 1 and 2.

Sec. 1-1. Purpose.

This Policy establishes water conservation restrictions; and the plan will be in effect at any time the governor declares by executive order a critical water deficiency, pursuant to Minnesota Statutes section 103G.291.

Sec. 1-2. Application.

- (a) This Policy applies to all customers of public water suppliers who own or control water use on any premises.
- (b) No person shall make, cause, use, or permit the use of water received from a public water supply for residential, commercial, industrial, governmental, or any other purpose in any manner contrary to any provision in this Policy.
- (c) Mandatory emergency conservation measures shall be implemented based upon the declaration of a critical water emergency by the governor.

Sec. 1-3. Declaration of critical water deficiency.

Upon the declaration of a critical water deficiency by the governor, Brainerd Public Utilities (BPU) shall immediately notify all water users via social media tools, including but not limited to radio, facebook, and website of the emergency declaration. BPU shall provide notification to the public as quickly as possible or through established water supply plans emergency response plans or procedures.

Sec. 1-4. Mandatory emergency water conservation measures.

Upon declaration of a water emergency and notification to the public, the following mandatory restrictions upon nonessential water use shall be enforced:

- (1) Outdoor irrigation of yards, gardens, golf courses, parklands, and other non-agricultural land, except for those areas irrigated with reclaimed water, is prohibited.
- (2) Washing or spraying of sidewalks, driveways, parking areas, tennis courts, patios, or other paved areas with water from any pressurized source, including garden hoses, except to alleviate immediate health or safety hazards, is prohibited.
- (3) The outdoor use of any water-based play apparatus connected to a pressurized source is prohibited.
- (4) Restaurants and other food service establishments are prohibited from serving water to their customers, unless water is specifically requested by the customer.
- (5) Operation of outdoor misting systems used to cool public areas is prohibited.
- (6) The filling of swimming pools, fountains, spas, or other exterior water features is prohibited.
- (7) The washing of automobiles, trucks, trailers, and other types of mobile equipment is prohibited, except at facilities equipped with wash water recirculation systems, and for vehicles requiring frequent washing to protect public health, safety, and welfare.

Sec. 1-5. Variances.

BPU management is authorized to grant variances to this Policy where strict application of its provisions would result in serious hardship to a customer. A variance may be granted only for reasons involving health or safety. An applicant may appeal the denial of a variance within five (5) days of the decision by submitting a written appeal to BPU management. The BPU commission shall hear the appeal at the next commission meeting. The decision of the commission is final.

Sec. 1-6. Violation.

(a) Violations shall be determined and cited by the BPU management. A violator may appeal the citation within five (5) days of its issuance by submitting a written appeal to the commission. The BPU Commission shall hear the appeal at the next Commission meeting. The decision of the Commission is final. Violators may be granted an administrative waiver if evidence is provided that equipment failure was the cause of the violation. A letter from a qualified vendor or equipment invoice will be required to show proof of equipment failure.

(b) Upon discovery of a first violation, the violator shall be issued, either personally or by mail, a warning letter that sets forth the violation and which shall describe the remedy and fines for future violations.

(c) Upon subsequent violations at the same location, the violator shall be issued, either personally or by mail, a citation that sets forth the violation and shall describe the remedy. Fines shall be added to the monthly water bill of the owner or current occupant of the premises where the violation occurred. The imposition of the fine shall in no way limit the right of the City to pursue other legal remedies.

Sec. 1-7. Enforcement.

BPU management or his/her designee is authorized to designate city employees or law enforcement personnel to enforce the provisions of this Policy.

Sec. 1-8 Severability.

If any provision of this Policy or the application of any provision to a particular situation is held to be invalid by a court of competent jurisdiction, the remaining portions of the Policy and the application of the Policy to any other situation shall not be invalidated.

Sec. 1-9 Effective date.

This Policy becomes effective on January 24, 2017

Passed by the BPU Commissionl of Brainerd January 24, 2017.

Attested:


BPU Commission Secretary

Approved:


BPU Commission President

B. Conservation Objectives and Strategies – *Key benchmark for DNR*

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

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

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

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

Is your five-year average (2005-2014) unaccounted Water Use in Table 2 higher than 10%?

Yes ☐ No ☒

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

Leak detect entire system every other year

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

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

Frequency of water audits: ☐ yearly ☐ other (specify frequency) _____

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

Year last leak detection survey completed: 2015

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

We are in the process of changing out meters in our wells, three done, three to do in 2017. Also working on replacing old galvanized services in town with copper. Looking at redo of water plant with storage with more efficient back wash system.

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

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

Table 23. Information about customer meters

Customer Category	Number of Customers	Number of Metered Connections	Number of Automated Meter Readers	Meter testing intervals (years)	Average age/meter replacement schedule (years)
Residential		3968	3968		All meters are
Irrigation meters	88	119	119		New within the
Institutional					Last 10 years
Commercial		761	761		
Industrial					
Public facilities	2	24	24		
Other					
TOTALS		4872	4872	NA	NA

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

n/a

Table 24. Water source meters

	Number of Meters	Meter testing schedule (years)	Number of Automated Meter Readers	Average age/meter replacement schedule (years)
Water source (wells/intakes)	6	2	0	3 new in 2015 3 new will be installed in 2017
Treatment plant	2	2	0	12 / 2020

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

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

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

What was your 2010 – 2015 five-year average residential per capita water demand? 34.5 g/person/day

Describe the water use trend over that timeframe:

Water usage per residential capita had been steady in the upper 30's to low 40's, now is slowly dropping to the low 30's

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

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

Strategy to reduce residential per capita demand	Timeframe for completing work
☐ Revise city ordinances/codes to encourage or require water efficient landscaping.	
☐ Revise city ordinance/codes to permit water reuse options, especially for non-potable purposes like irrigation, groundwater recharge, and industrial use. Check with plumbing authority to see if internal buildings reuse is permitted	
☐ Revise ordinances to limit irrigation. Describe the restricted irrigation plan:	

Strategy to reduce residential per capita demand	Timeframe for completing work
☐ Revise outdoor irrigation installations codes to require high efficiency systems (e.g. those with soil moisture sensors or programmable watering areas) in new installations or system replacements.	
☒ Make water system infrastructure improvements	Ongoing, replacing service lines
☐ Offer free or reduced cost water use audits) for residential customers.	
☐ Implement a notification system to inform customers when water availability conditions change.	
☐ Provide rebates or incentives for installing water efficient appliances and/or fixtures indoors (e.g., low flow toilets, high efficiency dish washers and washing machines, showerhead and faucet aerators, water softeners, etc.)	
☐ Provide rebates or incentives to reduce outdoor water use (e.g., turf replacement/reduction, rain gardens, rain barrels, smart irrigation, outdoor water use meters, etc.)	
☐ Identify supplemental Water Resources	
☒ Conduct audience-appropriate water conservation education and outreach.	Ongoing, senior centers
☐ Describe other plans	

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

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

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

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

Strategy to reduce total business, industry, agricultural demand	Timeframe for completing work
☐ Conduct a facility water use audit for both indoor and outdoor use, including system components	
☒ Install enhanced meters capable of automated readings to detect spikes in consumption	Done
☐ Compare facility water use to related industry benchmarks, if available (e.g., meat processing, dairy, fruit and vegetable, beverage, textiles, paper/pulp, metals, technology, petroleum refining etc.)	

Strategy to reduce total business, industry, agricultural demand	Timeframe for completing work
☐ Install water conservation fixtures and appliances or change processes to conserve water	
☒ Repair leaking system components (e.g., pipes, valves)	ongoing
☐ Investigate the reuse of reclaimed water (e.g., stormwater, wastewater effluent, process wastewater, etc.)	
☒ Reduce outdoor water use (e.g., turf replacement/reduction, rain gardens, rain barrels, smart irrigation, outdoor water use meters, etc.)	Rain gardens in new construction areas, new Royal Tire has astro turf for "grass"
☐ Train employees how to conserve water	
☐ Implement a notification system to inform non-residential customers when water availability conditions change.	
☐ Rainwater catchment systems intended to supply uses such as water closets, urinals, trap primers for floor drains and floor sinks, industrial processes, water features, vehicle washing facilities, cooling tower makeup, and similar uses shall be approved by the commissioner. Proposed plumbing code 4714.1702.1 http://www.dli.mn.gov/PDF/docket/4714rule.pdf	
☐ Describe other plans:	

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

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

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

As shown in Table 7, and discussed above, I show zero movement in the next ten years for total per capita water demand. Therefore, I did not add the graph showing a straight line.

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

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

Calculate a ten year average (2005 – 2014) of the ratio of maximum day demand to average day demand: 1.9

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

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

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

Water Conservation Program

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

Current Water Rates

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

Volume included in base rate or service charge: 1000 gallons or ____ cubic feet ____ other

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

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

Date of last rate change: February 1, 2016

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

Customer Category	Conservation Billing Strategies in Use *	Conservation Neutral Billing Strategies in Use **	Non-Conserving Billing Strategies in Use ***
Residential	☒ Monthly billing ☐ Increasing block rates (volume tiered rates) ☐ Seasonal rates ☐ Time of use rates ☒ Water bills reported in gallons ☐ Individualized goal rates ☐ Excess use rates ☐ Drought surcharge ☐ Use water bill to provide comparisons	☒ Uniform ☐ Odd/even day watering	☐ Service charge based on water volume ☐ Declining block ☐ Flat ☐ Other (describe)

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

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

- **Monthly billing:** is encouraged to help people see their water usage so they can consider changing behavior.
- **Increasing block rates (also known as a tiered residential rate structure):** Typically, these have at least three tiers: should have at least three tiers.
 - The first tier is for the winter average water use.
 - The second tier is the year-round average use, which is lower than typical summer use. This rate should be set to cover the full cost of service.
 - The third tier should be above the average annual use and should be priced high enough to encourage conservation, as should any higher tiers. For this to be effective, the difference in block rates should be significant.
- **Seasonal rate:** higher rates in summer to reduce peak demands
- **Time of Use rates:** lower rates for off peak water use
- **Bill water use in gallons:** this allows customers to compare their use to average rates
- **Individualized goal rates:** typically used for industry, business or other large water users to promote water conservation if they keep within agreed upon goals. **Excess Use rates:** if water use goes above an agreed upon amount this higher rate is charged
- **Drought surcharge:** an extra fee is charged for guaranteed water use during drought
- **Use water bill to provide comparisons:** simple graphics comparing individual use over time or compare individual use to others.
- **Service charge or base fee that does not include a water volume** – a base charge or fee to cover universal city expenses that are not customer dependent and/or to provide minimal water at a lower rate (e.g., an amount less than the average residential per capita demand for the water supplier for the last 5 years)
- **Emergency rates** -A community may have a separate conservation rate that only goes into effect when the community or governor declares a drought emergency. These higher rates can help to protect the city budgets during times of significantly less water usage.

****Conservation Neutral****

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

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

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

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

Over the past ten years plus, our water usage has steadily dropped, to where it is now at 35 gpcd. We cannot justify spending the dollars on a conservation rate that would only pertain to a few households, and MAYBE save minimal water. We did, however, in 2008 change from a declining block rate that had lower rates the more water you used, to a flat rate per 1000 gallons used.

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

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

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

☒	Participate in the GreenStep Cities Program, including implementation of at least one of the 20 “Best Practices” for water
☐	Prepare a master plan for smart growth (compact urban growth that avoids sprawl)
☐	Prepare a comprehensive open space plan (areas for parks, green spaces, natural areas)
☒	Adopt a water use restriction ordinance (lawn irrigation, car washing, pools, etc.)
☐	Adopt an outdoor lawn irrigation ordinance
☒	Adopt a private well ordinance (private wells in a city must comply with water restrictions)
☒	Implement a stormwater management program
☐	Adopt non-zoning wetlands ordinance (can further protect wetlands beyond state/federal laws-for vernal pools, buffer areas, restrictions on filling or alterations)
☐	Adopt a water offset program (primarily for new development or expansion)
☐	Implement a water conservation outreach program
☐	Hire a water conservation coordinator (part-time)
☐	Implement a rebate program for water efficient appliances, fixtures, or outdoor water management
☐	Other

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

Not sure

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

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

A. Regulation

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

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

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

Regulations Utilized	When is it applied (in effect)?
☐ Rainfall sensors required on landscape irrigation systems	☐ Ongoing ☐ Seasonal ☐ Only during declared Emergencies
☐ Water efficient plumbing fixtures required	☐ New development ☐ Replacement ☐ Rebate Programs
☐ Critical/Emergency Water Deficiency ordinance	☐ Only during declared Emergencies
☐ Watering restriction requirements (time of day, allowable days, etc.)	☐ Odd/even ☐ 2 days/week ☐ Only during declared Emergencies
☐ Water waste prohibited (for example, having a fine for irrigators spraying on the street)	☐ Ongoing ☐ Seasonal ☐ Only during declared Emergencies
☐ Limitations on turf areas (requiring lots to have 10% - 25% of the space in natural areas)	☐ New development ☐ Shoreland/zoning ☐ Other
☒ Soil preparation requirements (after construction, requiring topsoil to be applied to promote good root growth)	☒ New Development ☒ Construction Projects ☐ Other
☐ Tree ratios (requiring a certain number of trees per square foot of	☐ New development

Regulations Utilized	When is it applied (in effect)?
lawn)	☐ Shoreland/zoning ☐ Other
☒ Permit to fill swimming pool and/or requiring pools to be covered (to prevent evaporation)	☒ Ongoing ☐ Seasonal ☐ Only during declared Emergencies
☐ Ordinances that permit stormwater irrigation, reuse of water, or other alternative water use (Note: be sure to check current plumbing codes for updates)	☐ Describe

B. Retrofitting Programs

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

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

Retrofitting Programs

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

Table 30. Retrofitting programs (Select all that apply)

Water Use Targets	Outreach Methods	Partners
☐ Low flush toilets, ☒ Toilet leak tablets, ☒ Low flow showerheads, ☒ Faucet aerators;	☒ Education about ☒ Free distribution of ☐ Rebate for ☐ Other	☐ Gas company ☐ Electric company ☐ Watershed organization
☐ Water conserving washing machines, ☐ Dish washers, ☐ Water softeners;	☐ Education about ☐ Free distribution of ☐ Rebate for ☐ Other	☐ Gas company ☐ Electric company ☐ Watershed organization
☐ Rain gardens, ☐ Rain barrels, ☐ Native/drought tolerant landscaping, etc.	☐ Education about ☐ Free distribution of ☐ Rebate for ☐ Other	☐ Gas company ☐ Electric company ☐ Watershed organization

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

Leak tablets are in baskets, for free, at the front service counter and back repair counter. Low flow heads and aerators are given out for free at annual open house, along with brochures
--

C. Education and Information Programs

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

Proposed Education Programs

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

Table 31. Current and Proposed Education Programs

Education Methods	General summary of topics	#/Year	Frequency
Billing inserts or tips printed on the actual bill	W.H.P., drip calculator		☒ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Consumer Confidence Reports	State of the water	1	☐ Ongoing ☒ Seasonal ☐ Only during declared emergencies
Press releases to traditional local news outlets (e.g., newspapers, radio and TV)			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Social media distribution (e.g., emails, Facebook, Twitter)	General conservation stuff		☒ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Paid advertisements (e.g., billboards, print media, TV, radio, web sites, etc.)			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Presentations to community groups	General water info, water conservation info, projects		☒ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Staff training			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Facility tours			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Displays and exhibits	Annual open house, brochures and give aways	1 week/year	☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Marketing rebate programs (e.g., indoor fixtures & appliances and outdoor practices)			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Community news letters			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Direct mailings (water audit/retrofit kits,			☐ Ongoing

Education Methods	General summary of topics	#/Year	Frequency
showerheads, brochures)			☐ Seasonal ☐ Only during declared emergencies
Information kiosk at utility and public buildings	Always info on display in front office, covering various topics for all three departments of utility		☒ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Public service announcements			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Cable TV Programs			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Demonstration projects (landscaping or plumbing)			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
K-12 education programs (Project Wet, Drinking Water Institute, presentations)	Fourth grade students		☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Community events (children's water festivals, environmental fairs)			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Community education classes			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Water week promotions			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Website (include address:) www.bpu.org	Revolving info on water issues		☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Targeted efforts (large volume users, users with large increases)			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Notices of ordinances			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies

Education Methods	General summary of topics	#/Year	Frequency
Emergency conservation notices			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies
Other:			☐ Ongoing ☐ Seasonal ☐ Only during declared emergencies

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

Spend more time educating school children, who in turn do a good job of “teaching” their parents the importance of water conservation. More info on web site and social media, about conservation and WHP.



Part 4. ITEMS FOR METROPOLITAN AREA COMMUNITIES

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

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

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

A. Water Demand Projections through 2040

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

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

B. Potential Water Supply Issues

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

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

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

C. Proposed Alternative Approaches to Meet Extended Water Demand Projections

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

Complete Table 14 in Part 1F by checking each approach your community is considering to meet future demand. For each approach your community is considering, provide information about the amount of

future water demand to be met using that approach, the timeframe to implement the approach, potential partners, and current understanding of the key benefits and challenges of the approach.

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

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

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

Source Water Protection Strategies

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

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

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

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

Technical assistance

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

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

GLOSSARY

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

premises, and to issue commands to the meter to perform specific tasks such as disconnecting or restricting water flow.

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

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

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

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

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

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

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

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

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

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

Acronyms and Initialisms

AWWA – American Water Works Association

C/I/I – Commercial/Institutional/Industrial

CIP – Capital Improvement Plan

GIS – Geographic Information System

GPCD – Gallons per capita per day

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

MDH – Minnesota Department of Health

MGD – Million gallons per day

MG – Million gallons

MGL – Maximum Contaminant Level

MnTAP – Minnesota Technical Assistance Program (University of Minnesota)

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

MRWA – Minnesota Rural Waters Association

SWP – Source Water Protection

WHP – Wellhead Protection

APPENDICES TO BE SUBMITTED BY THE WATER SUPPLIER

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

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

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

Appendix 4: Capital Improvement Plan - see Part 1E

Appendix 5: Emergency Telephone List – see Part 2C

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

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

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

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

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

Appendix 11: Implementation Checklist – summary of all the actions that a community is doing, or proposes to do, including estimated implementation dates – see www.mndnr.gov/watersupplyplans

Appendix 1

Well Maintenance Summary

Well 3- June, 2014- Electric voltage conversion, new motor and variable speed drive, pump rehabilitation, and cleaning of casing and screen.

Well 4- May, 2014- Electric voltage conversion, new motor and variable speed drive, pump rehabilitation, and cleaning of casing and screen.

Well 5- August, 2014- Electric voltage conversion, new motor and variable speed drive, pump rehabilitation, and cleaning of casing and screen.

Well 6- July, 2014- Electric voltage conversion, new motor and variable speed drive, pump rehabilitation, and cleaning of casing and screen. June, 2015- Warranty replacement of electric motor.

Well 7- September, 2014- Electric voltage conversion, new motor and variable speed drive, pump rehabilitation, and cleaning of casing and screen.

Well 8- February/March, 2009- Well and Motor rehabilitation, new variable speed drive for the motor.

Well No. 525

Latitude: 33° 15' N Longitude: 101° 15' W

HYDROGEOLOGIC CARD

SAVE AS ON MASTER CARD 1:2 Section: 1:2

B Drainage Basin: 2:8-F Subbasin: 1:6

Top of depression, stream channel, dunes, flat, hilltop, sink, swamp.
 well site: (D) (C) (E) (F) (H) (K) (L)
 (G) (P) (S) (T) (U) (V)
 offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR
 Aquifer: Q-G Aquifer, formation, group 1:6

Lithology: 4:R Origin: Q Aquifer Thickness: 107 ft

1:0-7 Length of well open to: 73-125 ft Depth to top of: 5:2 ft

MINOR
 Aquifer: 1:0-7 Aquifer, formation, group 1:6

Lithology: 1:0-7 Origin: 1:0-7 Aquifer Thickness: 1:0-7 ft

1:0-7 Length of well open to: 1:0-7 ft Depth to top of: 1:0-7 ft

Intervals Screened: 73-125

Depth to consolidated rock: 1:0-7 ft Source of data: 1:0-7

Depth to basement: 1:0-7 ft Source of data: 1:0-7

Surficial material: 1:0-7 Infiltration characteristics: 1:0-7

Coefficient Trans: 1:0-7 gpd/ft² Coefficient Storage: 1:0-7

Perm: 1:0-7 gpd/ft² Spec cap: 1:0-7 gpd/ft: Number of geologic cards: 1:0-7

	Depth	Thickness
Sand, fine, red	60	60
Sand, cse., grey	65	5
Sand, cse., grey w/pebbles	80	15
Gravel	115	35
Sand, cse., grey w/pebbles	122	7
Sand, cse. to med, grey	125	3

U.S. GOVERNMENT PRINTING OFFICE: 1973-730-617/395 3-1

Well No. 45.31.36. bbe 2

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

WELL
#4

MASTER CARD

Yessak
City of Brainerd
Date 1/26/75
Brainerd 151
Minn.
[2-7] (Crown Wing)
[1-3]
[4-6-2-0-3-3-1-N] Longitude: [0-9-4-1-2-3-3] Sequential number: [2]
[2]-450-31-36 SW NW NW 4th
[0-4-5-N-3-1-W-3-6-B-B-C-2] Date number: 4
M. CARTHY WELL CO. City of Brainerd
CITY OF BRAINERD Brainerd, Minn.

Demerol; (C) (F) (G) (P) (S) (W)
 Corbin, Fed Gov't, Ciba Corp of Co. Private, State Agency, Water Dist
 (B) (C) (E) (F) (H) (N) (P) (R)
 Air cond, Bottling, Comm, Dewater, Power, Fire, Food, Irr, Ind, P, Rec,
 (S) (T) (U) (V) (W) (X) (Y) (Z)
 Stock, Instit, Unused, Repressure, Recharge, Desal-P S, Desal-other, Other

Use of	(A)	(D)	(C)	(E)	(B)	(F)	(R)	(T)	(U)	(V)	(X)	(B)
W-11	Acute	Brain	Seismic	Heat	Res	Obs	Columns	Barbican	Heat	Unsub		

DATA AVAILABLE: WILL DO 7 7 Type, M/L Meas.: Field acquisition char. 73

Hyd. lab. data: _____ 73

Qual. water data: type: P

Freq. sampling: _____

L Area = ____ period:

Agreement cards: YES ☐ NO ☐

Log date: Drill log

WELL-DESCRIPTION CARD

SAME AS ON MASTER CARD Depth Well: 123 ft. 23 Years. 6

Dent raised: 73
(1/16) sec. 1 73
Case: 10
Type: steel
Diam. 1 1/2
16

	(C)	(T)	(U)	(V)	(W)	(X)	(Y)	(Z)	
Finalist	poisonous	grave, w.	grave, w.	horiz.	oien	perf.	screen	sd. pi.	shored, open
	concrete	(buff.)	(screen)	salient					

[illegible]

Date: 1944 9:44 Pump intake setting:

Driller: McCarthy Well Co. St. Paul, Minn.

(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)	(J)		Deep
(type): air, bucket, cent, jet,			multiple, multiple,	(cent.)	(turb.)	none, piston, roi,	submerg.	verb.	other		Shallow

Power: nat LP 60 V Trans. or
(type): diesel, elec, gas, gasoline, hand, gas, wind; H.P. meter no.:

[illegible]

Alt. L₉₀: 1166 : 1:1.6:6 Accuracy: Brainerd 15' "5"
Water 12' 4" above " above " "5"

Level: 167 Below VP: 7 Rel: LSD Accuracy: Method: 37

DE IN CHARGE: 30.7 3.1 APP-FACT: Pumping

Q141 15 01
NA EN DATA: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037

Sp. number V x 10 ^A Temp. ^{°C} Date sampled 1900 62

Gas, color, etc. Mn. .53, Ni. .44, Diss. Sol. 210, F. 19, pH 7.5

part 1e + ants 105, A:K (22, 0:3) 240

Well No. 2537

Latitude-Longitude N
E
S
W

HYDROGEOLOGIC CARD

NAME AS ON MASTER CARD PHILADELPHIA 1:2 Section: 1:2

B Drainage Basin: 25-F Subbasin: 1:2

Top of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp.
 (E) (F) (G) (H) (I) (J) (K) (L)
 (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V)
 offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: Q:G aquifer, formation, group 1:6

Lithology: R Origin: Q Aquifer Thickness: 111 ft

1:1:1 Length of well open to: 73-123 ft Depth to top of: 12 ft 1:2

MINOR AQUIFER: Q:G aquifer, formation, group 1:6

Lithology: R Origin: Q Aquifer Thickness: 111 ft

1:1:1 Length of well open to: 73-123 ft Depth to top of: 12 ft 1:2

Intervals Screened: 73-123

Depth to consolidated rock: 60 ft Source of data: 1:2

Depth to basement: 70 ft Source of data: 1:2

Surficial material: 122 Infiltration characteristics: 1:2

Coefficient of permeability: 50.5 Coefficient of storage: 1

Permeability: 50.5 Specific capacity: 1 Number of geologic cards: 1

	Depth	Thickness
Sand, red	60	60
Sand, coarse, grey	70	10
Gravel	122	52
Sand, fine, grey	123	1

Well No. 2537

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Nett. No. 4531-3337

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

WELL

#5

井

MASTER CARD

Source: 1.000 Date: 1-2-74 Brainerd

County: 27 (for low) SW Section: 18

Latitude: 42° 0' 54" N Longitude: 90° 0' 15" W Sectional number: 18

Section: 7 - 0450 - 31 Sec: 35 NE SW NE 4th

Local well number: 045 N 31 W 35 A 1 A Other number: 308

Local well: MCCARTHY WELL CO. Owner: City of Brainerd

Owner or name: CITY BRainerd Address: Brainerd M.

Ownership: County, (C) (F) (N) (P) (S) (W) City of Brainerd

Use of water: (A) (B) (C) (D) (E) (F) (H) (I) (M) (N) (P) (R) Stock, Installs, Unused, Recharge, Desal-P 2, Desal-other, Other

Use of well: (A) (D) (G) (H) (P) (R) (T) (U) (W) (X) (Z) Anode, Drain, Seismic, Heat Res, Obs, Oil-gas, Recharge, Test, Unused, Withdraw, Waste, Destroyed

Is a duplicate: Well data 1 Freq. W/L meas.: 0 Field activity chart: 0

Wd. lat. data: 0

Qual. water data: Type: 0

Freq. sampling: 0 Pumpage inventory: 0 period: 0

Apparent cards: 0

Log data: 0

WELL-DESCRIPTION CARD

NAME AS ON MASTER CARD Depth well: 115 ft 114.5

Durum cased: 125 ft 105 ft Accuracy: 12

Diagn: 12

Finish: (C) (P) (O) (S) (N) (B) (T) (V) (K) (R) (H) (I) (J) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LL) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (UU) (UV) (UW) (UX) (UY) (UZ) (VA) (VB) (VC) (VD) (VE) (VF) (VG) (VH) (VI) (VJ) (VK) (VL) (VM) (VN) (VO) (VP) (VQ) (VR) (VS) (VT) (VU) (VV) (VW) (VX) (VY) (VZ) (WA) (WB) (WC) (WD) (WE) (WF) (WG) (WH) (WI) (WJ) (WK) (WL) (WM) (WN) (WO) (WP) (WQ) (WR) (WS) (WT) (WU) (WV) (WW) (WX) (WY) (WZ) (XA) (XB) (XC) (XD) (XE) (XF) (XG) (XH) (XI) (XJ) (XK) (XL) (XM) (XN) (XO) (XP) (XQ) (XR) (XS) (XT) (XU) (XV) (XW) (XX) (XY) (XZ) (YA) (YB) (YC) (YD) (YE) (YF) (YG) (YH) (YI) (YJ) (YK) (YL) (YM) (YN) (YO) (YP) (YQ) (YR) (YS) (YT) (YU) (YV) (YW) (YX) (YY) (YZ) (ZA) (ZB) (ZC) (ZD) (ZE) (ZF) (ZG) (ZH) (ZI) (ZJ) (ZK) (ZL) (ZM) (ZN) (ZO) (ZP) (ZQ) (ZR) (ZS) (ZT) (ZU) (ZV) (ZW) (ZX) (ZY) (ZZ)

Drilled: 125 ft 105 ft Pump intake setting: 125 ft 105 ft

Driller: McCarthy Well Co. 54 St. 2nd Floor

Tools: (A) (B) (C) (D) (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) (W) (X) (Y) (Z) (AA) (AB) (AC) (AD) (AE) (AF) (AG) (AH) (AI) (AJ) (AK) (AL) (AM) (AN) (AO) (AP) (AQ) (AR) (AS) (AT) (AU) (AV) (AW) (AX) (AY) (AZ) (BA) (BB) (BC) (BD) (BE) (BF) (BG) (BH) (BI) (BJ) (BK) (BL) (BM) (BN) (BO) (BP) (BQ) (BR) (BS) (BT) (BU) (BV) (BW) (BX) (BY) (BZ) (CA) (CB) (CC) (CD) (CE) (CF) (CG) (CH) (CI) (CJ) (CK) (CL) (CM) (CN) (CO) (CP) (CQ) (CR) (CS) (CT) (CU) (CV) (CW) (CX) (CY) (CZ) (DA) (DB) (DC) (DD) (DE) (DF) (DG) (DH) (DI) (DJ) (DK) (DL) (DM) (DN) (DO) (DP) (DQ) (DR) (DS) (DT) (DU) (DV) (DW) (DX) (DY) (DZ) (EA) (EB) (EC) (ED) (EE) (EF) (EG) (EH) (EI) (EJ) (EK) (EL) (EM) (EN) (EO) (EP) (EQ) (ER) (ES) (ET) (EU) (EV) (EW) (EX) (EY) (EZ) (FA) (FB) (FC) (FD) (FE) (FF) (FG) (FH) (FI) (FJ) (FK) (FL) (FM) (FN) (FO) (FP) (FQ) (FR) (FS) (FT) (FU) (FV) (FW) (FX) (FY) (FZ) (GA) (GB) (GC) (GD) (GE) (GF) (GG) (GH) (GI) (GJ) (GK) (GL) (GM) (GN) (GO) (GP) (GQ) (GR) (GS) (GT) (GU) (GV) (GW) (GX) (GY) (GZ) (HA) (HB) (HC) (HD) (HE) (HF) (HG) (HH) (HI) (HJ) (HK) (HL) (HM) (HN) (HO) (HP) (HQ) (HR) (HS) (HT) (HU) (HV) (HW) (HX) (HY) (HZ) (IA) (IB) (IC) (ID) (IE) (IF) (IG) (IH) (II) (IJ) (IK) (IL) (IM) (IN) (IO) (IP) (IQ) (IR) (IS) (IT) (IU) (IV) (IW) (IX) (IY) (IZ) (JA) (JB) (JC) (JD) (JE) (JF) (JG) (JH) (JI) (JJ) (JK) (JL) (JM) (JN) (JO) (JP) (JQ) (JR) (JS) (JT) (JU) (JV) (JW) (JX) (JY) (JZ) (KA) (KB) (KC) (KD) (KE) (KF) (KG) (KH) (KI) (KJ) (KK) (KL) (KM) (KN) (KO) (KP) (KQ) (KR) (KS) (KT) (KU) (KV) (KW) (KX) (KY) (KZ) (LA) (LB) (LC) (LD) (LE) (LF) (LG) (LH) (LI) (LJ) (LK) (LM) (LN) (LO) (LP) (LQ) (LR) (LS) (LT) (LU) (LV) (LW) (LX) (LY) (LZ) (MA) (MB) (MC) (MD) (ME) (MF) (MG) (MH) (MI) (MJ) (MK) (ML) (MN) (MO) (MP) (MQ) (MR) (MS) (MT) (MU) (MV) (MW) (MX) (MY) (MZ) (NA) (NB) (NC) (ND) (NE) (NF) (NG) (NH) (NI) (NJ) (NK) (NL) (NM) (NO) (NP) (NQ) (NR) (NS) (NT) (NU) (NV) (NW) (NX) (NY) (NZ) (OA) (OB) (OC) (OD) (OE) (OF) (OG) (OH) (OI) (OJ) (OK) (OL) (OM) (ON) (OO) (OP) (OQ) (OR) (OS) (OT) (OU) (OV) (OW) (OX) (OY) (OZ) (PA) (PB) (PC) (PD) (PE) (PF) (PG) (PH) (PI) (PJ) (PK) (PL) (PM) (PN) (PO) (PP) (PQ) (PR) (PS) (PT) (PU) (PV) (PW) (PX) (PY) (PZ) (QA) (QB) (QC) (QD) (QE) (QF) (QG) (QH) (QI) (QJ) (QK) (QL) (QM) (QN) (QO) (QP) (QQ) (QR) (QS) (QT) (QU) (QV) (QW) (QX) (QY) (QZ) (RA) (RB) (RC) (RD) (RE) (RF) (RG) (RH) (RI) (RJ) (RK) (RL) (RM) (RN) (RO) (RP) (RQ) (RR) (RS) (RT) (RU) (RV) (RW) (RX) (RY) (RZ) (SA) (SB) (SC) (SD) (SE) (SF) (SG) (SH) (SI) (SJ) (SK) (SL) (SM) (SN) (SO) (SP) (SQ) (SR) (SS) (ST) (SU) (SV) (SW) (SX) (SY) (SZ) (TA) (TB) (TC) (TD) (TE) (TF) (TG) (TH) (TI) (TJ) (TK) (TL) (TM) (TN) (TO) (TP) (TQ) (TR) (TS) (TT) (TU) (TV) (TW) (TX) (TY) (TZ) (UA) (UB) (UC) (UD) (UE) (UF) (UG) (UH) (UI) (UJ) (UK) (UL) (UM) (UN) (UO) (UP) (UQ) (UR) (US) (UT) (

well
#6

11.5

FORM 9-1642

(11-60)

Well No 45.31.35 and

WELL SCHEDULE

U. S. DEPT. OF THE INTERIOR

GEOLOGICAL SURVEY

WATER RESOURCES DIVISION

MASTER CARD

Locality

Yessai

County

Minn.

Section

27

Town

Crow Wing

Range

18

Latitude

46° 2' 0" N

Longitude

92° 41' 23" W

Sectional number

1

Latitude

2° 45' 31" N

Longitude

35° SE NE NE

Sectional number

4th

Local well number

045 N 31 W 35 A A D

Other number

6

Local name

MCCARTHY WELL CO

Name of owner

City of Brainerd

Owner's name

CITY OF BRAINERD

Address

Brainerd, Minn.

Ownership

(C) County, (F) Fed Gov't, (M) City, (P) Corp or Co, (S) Private, (St) State Agency, (W) Water Dist

(M)

Use of water

(A) Air cond, (B) Bottling, (C) Com, (D) Devator, (E) Power, (F) Fire, (G) Irr, (H) Ind, (I) P, (J) Rec, (K) Stock, (L) Unused, (M) Recharge, (N) Desal-P, (O) Desal-other, (P) Other

(P)

Use of well

(A) Anode, (B) Drain, (C) Seismic, (D) Heat Res, (E) Obs, (F) Oil-gas, (G) Recharge, (H) Test, (I) Unused, (J) Windage, (K) Waste, (L) Destroyed

(W)

Data available

Well data

7

Prog. W/L meas.

7

Field aquifer char.

7

Hyd. lab. data

7

Qual. water data

7

Freq. sampling

7

Pumpage inventory

yes

no

periods

7

Specific cards

7

Log data

Drill log

7

WELL-DESCRIPTION CARD

Same as on master card

Depth well

156

ft

1156

Meas.

7

Depth cased

107

ft

1107

Casing type

Steel

Accuracy

7

Finish

(C) porous gravel v. concrete, (F) gravel v. concrete, (G) gravel v. screen, (H) gravel v. galv., (I) gravel v. open perf., (J) screen, (K) 6. pt., (L) 8. pt., (M) 10. pt., (N) 12. pt., (O) 14. pt., (P) 16. pt., (Q) 18. pt., (R) 20. pt., (S) 22. pt., (T) 24. pt., (U) 26. pt., (V) 28. pt., (W) 30. pt., (X) 32. pt., (Y) 34. pt., (Z) 36. pt., (AA) 38. pt., (AB) 40. pt., (AC) 42. pt., (AD) 44. pt., (AE) 46. pt., (AF) 48. pt., (AG) 50. pt., (AH) 52. pt., (AI) 54. pt., (AJ) 56. pt., (AK) 58. pt., (AL) 60. pt., (AM) 62. pt., (AN) 64. pt., (AO) 66. pt., (AP) 68. pt., (AQ) 70. pt., (AR) 72. pt., (AS) 74. pt., (AT) 76. pt., (AU) 78. pt., (AV) 80. pt., (AW) 82. pt., (AX) 84. pt., (AY) 86. pt., (AZ) 88. pt., (BA) 90. pt., (BB) 92. pt., (BC) 94. pt., (BD) 96. pt., (BE) 98. pt., (BF) 100. pt., (BG) 102. pt., (BH) 104. pt., (BI) 106. pt., (BJ) 108. pt., (BK) 110. pt., (BL) 112. pt., (BM) 114. pt., (BN) 116. pt., (BO) 118. pt., (BP) 120. pt., (BQ) 122. pt., (BR) 124. pt., (BS) 126. pt., (BT) 128. pt., (BU) 130. pt., (BV) 132. pt., (BW) 134. pt., (BX) 136. pt., (BY) 138. pt., (BZ) 140. pt., (CA) 142. pt., (CB) 144. pt., (CC) 146. pt., (CD) 148. pt., (CE) 150. pt., (CF) 152. pt., (CG) 154. pt., (CH) 156. pt., (CI) 158. pt., (CJ) 160. pt., (CK) 162. pt., (CL) 164. pt., (CM) 166. pt., (CN) 168. pt., (CO) 170. pt., (CP) 172. pt., (CQ) 174. pt., (CR) 176. pt., (CS) 178. pt., (CT) 180. pt., (CU) 182. pt., (CV) 184. pt., (CW) 186. pt., (CX) 188. pt., (CY) 190. pt., (CZ) 192. pt., (CA) 194. pt., (CB) 196. pt., (CC) 198. pt., (CD) 200. pt., (CE) 202. pt., (CF) 204. pt., (CG) 206. pt., (CH) 208. pt., (CI) 210. pt., (CJ) 212. pt., (CK) 214. pt., (CL) 216. pt., (CM) 218. pt., (CN) 220. pt., (CO) 222. pt., (CP) 224. pt., (CQ) 226. pt., (CR) 228. pt., (CS) 230. pt., (CT) 232. pt., (CU) 234. pt., (CV) 236. pt., (CW) 238. pt., (CX) 240. pt., (CY) 242. pt., (CZ) 244. pt., (CA) 246. pt., (CB) 248. pt., (CC) 250. pt., (CD) 252. pt., (CE) 254. pt., (CF) 256. pt., (CG) 258. pt., (CH) 260. pt., (CI) 262. pt., (CJ) 264. pt., (CK) 266. pt., (CL) 268. pt., (CM) 270. pt., (CN) 272. pt., (CO) 274. pt., (CP) 276. pt., (CQ) 278. pt., (CR) 280. pt., (CS) 282. pt., (CT) 284. pt., (CU) 286. pt., (CV) 288. pt., (CW) 290. pt., (CX) 292. pt., (CY) 294. pt., (CZ) 296. pt., (CA) 298. pt., (CB) 300. pt., (CC) 302. pt., (CD) 304. pt., (CE) 306. pt., (CF) 308. pt., (CG) 310. pt., (CH) 312. pt., (CI) 314. pt., (CJ) 316. pt., (CK) 318. pt., (CL) 320. pt., (CM) 322. pt., (CN) 324. pt., (CO) 326. pt., (CP) 328. pt., (CQ) 330. pt., (CR) 332. pt., (CS) 334. pt., (CT) 336. pt., (CU) 338. pt., (CV) 340. pt., (CW) 342. pt., (CX) 344. pt., (CY) 346. pt., (CZ) 348. pt., (CA) 350. pt., (CB) 352. pt., (CC) 354. pt., (CD) 356. pt., (CE) 358. pt., (CF) 360. pt., (CG) 362. pt., (CH) 364. pt., (CI) 366. pt., (CJ) 368. pt., (CK) 370. pt., (CL) 372. pt., (CM) 374. pt., (CN) 376. pt., (CO) 378. pt., (CP) 380. pt., (CQ) 382. pt., (CR) 384. pt., (CS) 386. pt., (CT) 388. pt., (CU) 390. pt., (CV) 392. pt., (CW) 394. pt., (CX) 396. pt., (CY) 398. pt., (CZ) 400. pt., (CA) 402. pt., (CB) 404. pt., (CC) 406. pt., (CD) 408. pt., (CE) 410. pt., (CF) 412. pt., (CG) 414. pt., (CH) 416. pt., (CI) 418. pt., (CJ) 420. pt., (CK) 422. pt., (CL) 424. pt., (CM) 426. pt., (CN) 428. pt., (CO) 430. pt., (CP) 432. pt., (CQ) 434. pt., (CR) 436. pt., (CS) 438. pt., (CT) 440. pt., (CU) 442. pt., (CV) 444. pt., (CW) 446. pt., (CX) 448. pt., (CY) 450. pt., (CZ) 452. pt., (CA) 454. pt., (CB) 456. pt., (CC) 458. pt., (CD) 460. pt., (CE) 462. pt., (CF) 464. pt., (CG) 466. pt., (CH) 468. pt., (CI) 470. pt., (CJ) 472. pt., (CK) 474. pt., (CL) 476. pt., (CM) 478. pt., (CN) 480. pt., (CO) 482. pt., (CP) 484. pt., (CQ) 486. pt., (CR) 488. pt., (CS) 490. pt., (CT) 492. pt., (CU) 494. pt., (CV) 496. pt., (CW) 498. pt., (CX) 500. pt., (CY) 502. pt., (CZ) 504. pt., (CA) 506. pt., (CB) 508. pt., (CC) 510. pt., (CD) 512. pt., (CE) 514. pt., (CF) 516. pt., (CG) 518. pt., (CH) 520. pt., (CI) 522. pt., (CJ) 524. pt., (CK) 526. pt., (CL) 528. pt., (CM) 530. pt., (CN) 532. pt., (CO) 534. pt., (CP) 536. pt., (CQ) 538. pt., (CR) 540. pt., (CS) 542. pt., (CT) 544. pt., (CU) 546. pt., (CV) 548. pt., (CW) 550. pt., (CX) 552. pt., (CY) 554. pt., (CZ) 556. pt., (CA) 558. pt., (CB) 560. pt., (CC) 562. pt., (CD) 564. pt., (CE) 566. pt., (CF) 568. pt., (CG) 570. pt., (CH) 572. pt., (CI) 574. pt., (CJ) 576. pt., (CK) 578. pt., (CL) 580. pt., (

WELL
#6

Well No. _____

Latitude-Longitude _____

HYDROGEOLOGIC CARD

SAME AS ON MASTER CARD _____

Province: _____

Section: 1.2

Drainage Basin: 2.8.F

Subbasin: _____

Topo of well site: (D) depression, stream channel, dunes, flat, hilltop, sink, swamp.
(E) (F) (G) (H) (I) (J) (K) (L)
(M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) valley flat

MAJOR AQUIFER: _____

system: _____ series: _____ aquifer, formation, group: _____

Lithology: _____

Origin: _____

Thickness: 144 ft

Length of well open to: 49 (107-156) ft

Depth to top of: 12 ft

MINOR AQUIFER: _____

system: _____ series: _____ aquifer, formation, group: _____

Lithology: _____

Origin: _____

Thickness: _____ ft

Length of well open to: _____ ft

Depth to top of: _____ ft

Intervals Screened: 107-156

Depth to consolidated rock: _____ ft

Source of data: _____

Depth to basement: _____ ft

Source of data: _____

Surficial material: _____

Infiltration characteristics: _____

Coefficient Trans: _____

Coefficient Storage: _____

Perm: _____

Spd/ft: _____

Spec cap: 47.5

gpm/ft: _____

Number of geologic cards: _____

	Depth	Thickness
Sand, red	47	47
Sand, fine, grey	79	32
Sand, gravel, grey	104	25
gravel	144	40
Sand, fine, grey	156	12

Well No. _____

MINNESOTA CONSERVATION DEPARTMENT
DIVISION OF WATERS

RECEIVED
SEP 16 1959

WELL LOG STATEMENT

MAIL REPORT PROMPTLY TO DIRECTOR, DIVISION OF WATERS, STATE OFFICE BLDG., ST. PAUL 1, MINN.

File No. **WELL #7**

Well No. **#7**

Location of Well City of Brainerd

County Crow Wing County City or Town Brainerd

Describe Further by Lot, Block, Nearest Highway, Street and Number

Locate Well on Plat of Section

Sec. 45
Twp. 30
Range 30

Well #7
Drilled for: City of Brainerd

Driller McCarthy Well Company

Address Brainerd, Minnesota

Address 670 Eustis St., St. Paul, Minn.

REPORT OF FINAL PUMPING TEST

Date of Completion August 26, 1955

Date of Test 8/23/55

Site upland
Upland, Valley, Hillside, Etc.

Duration of Test 1 Hrs. Min.

Type of Well drilled
Dug, Driven, Bored, Drilled

Rate of Pumping 2300 GPM

Drill Rig Used rotary
Solid Tool, Jet, Rotary

Static Water Level 17'6" Ft.

Diameter: Top 48" Bottom 32"

Water Level While Pumping 48 Ft.

Depth of Well 150'

Drawdown 31'6" Ft.

Ground Elevation unknown
Sea Level Datum or Give Distance Above
or Below U. S. Highway, Lake, Etc.

Time Required for Recovery

Expected Average Yield Gal. per day

Height of Casing Above Ground 2 1/2'

If Other Tests were Made, Give Details on Another Sheet.

Quality of Water hard
(Hard or Soft, Fresh or Salty, Etc.)

Were Measurements Made of Effect on Other Nearby Wells During Test? Give Details.

Temperature of Water unknown

Was Laboratory Analysis Made? unknown

For What Purpose Will Water Be Used? City water supply

Is Well Pumped? yes Pump Capacity GPM

Was Well Sealed on Completion? yes

Does Well Overflow Without Pumping? no
Yes or No

Natural Flow GPM

What Pressure, or Head, at Ground Level? none

Principal Aquifer Penetrated sand and gravel

(Fill Out Both Sides of Form)

107

Well No. _____

Scale: 1 inch = 1 mile

HYDROGEOLOGIC CARD

NAME AS ON MASTER CARD: _____ Physiographic Province: _____ Section: 12

Drainage Basin: B Subbasin: 2.8.F

Top of well site: (D) Depression, stream channel, dunes, flat, hilltop, sink, swamp, (E) (F) (G) (H) (I) (J) (K) (L) (M) (N) (O) (P) (Q) (R) (S) (T) (U) (V) offshore, pediment, hillside, terrace, undulating, valley flat

MAJOR AQUIFER: system _____ series D.G. aquifer, formation, group 1:6

Lithology: _____ Origin: _____ Aquifer Thickness: 140 ft

Length of well open to: 88-157 ft Depth to top of: 6.9 ft 17 ft

MINOR AQUIFER: system _____ series _____ aquifer, formation, group _____

Lithology: _____ Origin: _____ Aquifer Thickness: _____ ft

Length of well open to: _____ ft Depth to top of: _____ ft

Intervals Screened: 88-157

Depth to consolidated rock: _____ ft Source of data: _____

Depth to basement: _____ ft Source of data: _____

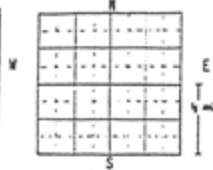
Surficial material: _____ Infiltration characteristics: _____

Coefficient Trans: _____ spm/ft² Coefficient Storage: _____

Coefficient Perm: _____ spm/ft²; Spec cap: 51 gpm/ft; Number of geologic cards: _____

	Depth	Thickness
Sand, red	21	21
Sand, cse, stones, grey	42	21
Sand, m-f., grey	56	14
Sand, grl., cse.	81	25
Sand, m-f., grey	86	5
Sand, grl. grey	146	60
Sand, m-f., grey	157	11

Well No. _____

WATER WELL RECORD					(for Water Sampler)																																		
Property Name: Grow Wing Well # 8					403973																																		
Township: 45 N Range: 31 E Section: 36 Twp. & Range: SE 1/4 City of Brainerd Brainerd, MN																																							
Address: Well # 8 Section map of well location:  Date of Completion: 9/13/84 Well Depth (completed): 187 ground level																																							
1. FORMATION LOG: <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>FORMATION LOG</th> <th>COLOR</th> <th>HARDNESS OF STRATIFICATION</th> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>sand</td> <td>brown</td> <td>very soft</td> <td>0</td> <td>30</td> </tr> <tr> <td>sand fine & coarse</td> <td>brown</td> <td>soft</td> <td>30</td> <td>35</td> </tr> <tr> <td>sand fine & med.</td> <td>brown</td> <td>soft</td> <td>35</td> <td>61</td> </tr> <tr> <td>sand & gravel</td> <td>brown</td> <td>soft</td> <td>61</td> <td>75</td> </tr> <tr> <td>sand med. coarse</td> <td>brown</td> <td>soft</td> <td>75</td> <td>191</td> </tr> <tr> <td>shale & clay</td> <td>brown</td> <td>soft</td> <td>191</td> <td>195</td> </tr> </tbody> </table> 2. USE: ☐ Domestic ☐ Irrigation ☒ Test Well ☐ Public Supply ☒ Agricultural ☐ Air Conditioning ☐ Industry ☐ Commercial					FORMATION LOG	COLOR	HARDNESS OF STRATIFICATION	FROM	TO	sand	brown	very soft	0	30	sand fine & coarse	brown	soft	30	35	sand fine & med.	brown	soft	35	61	sand & gravel	brown	soft	61	75	sand med. coarse	brown	soft	75	191	shale & clay	brown	soft	191	195
FORMATION LOG	COLOR	HARDNESS OF STRATIFICATION	FROM	TO																																			
sand	brown	very soft	0	30																																			
sand fine & coarse	brown	soft	30	35																																			
sand fine & med.	brown	soft	35	61																																			
sand & gravel	brown	soft	61	75																																			
sand med. coarse	brown	soft	75	191																																			
shale & clay	brown	soft	191	195																																			
3. CASING: ☒ Galv. ☐ Plastic ☐ Thru-bore ☒ Welded HEIGHT: Above/Below Surface: 2 ft. Drive Shaft: Yes ☒ No ☐ HOLE DIAM: 24"																																							
4. SCREEN: Make: Johnson Type: Stainless steel Size/Gauge: 70 slot Set between: 144 ft. and 189 ft. Dia: 16 Length: 45 Fig T wash bottom 5. STATIC WATER LEVEL: 77'																																							
6. PUMPING LEVEL (from same surface): 128' 11 1/2" 31 hrs. pumping 1500 to 1920 g.p.m.																																							
7. WELL HEAD COMPLETION: ☐ Pressure adapter manufacturer: _____ ☒ Basement offset ☒ At least 12" above grade 8. WELL GROUTED: ☒ Yes ☐ No ☒ Cement ☐ Grout material: _____																																							
9. NEAREST SOURCES OF POSSIBLE CONTAMINATION: Foot: _____ Direction: _____ Type: _____ Well disinfected upon completion: Yes ☒ No ☐ 10. PUMP: Date installed: _____ Manufacturer's Name: _____ Model Number: _____ Length of drop pipe: _____ ft. capacity: _____ g.p.m. Material of drop pipe: _____ Type: ☐ Submersible ☒ L.S. Turbine ☐ Reciprocating ☐ Jet ☒ Centrifugal																																							
11. WATER WELL CONTRACTOR'S CERTIFICATION: The well was drilled under my jurisdiction and this report is true to the best of my knowledge and belief. Ben Ervin Well Company 65252 Address: Olivia, MN 56277 Signed: Ben Ervin Date: 9-18-84 David Ervin Date: 9-18-84 (Name of Owner) 12. REMARKS, ELEVATION, SOURCE OF DATA, etc.: RECEIVED MAR 25 1985 Minn. Dept. of Health GWSC																																							
MINN. GEOLOGICAL SURVEY COPY 403973																																							

Appendix 2

Brainerd Public Utilities

Well performance and level monitoring plan

The purpose of this plan is to set a routine monitoring schedule and delineate general procedures for assessing the performance and general health of the City of Brainerd's municipal water production wells.

Schedule: Our intent is to perform well monitoring tests once weekly, preferably on Mondays, depending on workload variances.

Procedure:

1. Start static tests after all wells have been inactive for a minimum of 60 minutes.
2. Use sounder cable to determine Static Level in feet.
3. Record non-pumping pressure.
4. Start well (or multiple wells depending on capacity of the filtration plant) and run for approximately 30 minutes.
5. Record pumping pressure.
6. Use sounder cable to determine Pumping Level in feet.
7. Determine flow rate (in gallons per minute) through the meter.
8. Record data in the well performance log and perform calculations to determine specific capacity. Ex: $1000 \text{ gpm} / 25 \text{ ft dd} = 40 \text{ gpm/ft}$

Appendix 3

1E. Water Level Data

1E-1 Table 9- Water Level Records

SL= Static Level PL= Pumping Level DD= Draw Down Spec Cap= Specific Capacity

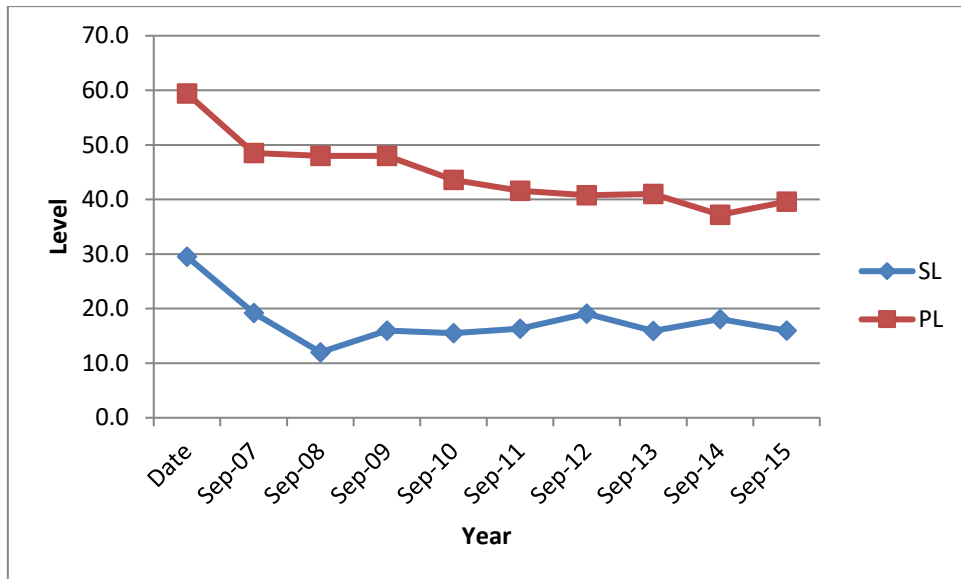
Date	Well 3				Well 4				Well 5			
	SL	PL	DD	Spec Cap	SL	PL	DD	Spec Cap	SL	PL	DD	Spec Cap
Sep-07	29.5		59.4	29.9	26.4	28.8	58.5	31.5	13.4			
Sep-08	19.2		48.5	29.3	26.3	18.0	53.5	35.5	11.7			
Sep-09	12.0		48.0	36.0	25.3	17.0	50.0	33.0	11.4			
Sep-10	16.0		48.0	32.0	27.2	16.0	46.5	30.5	11.3			
Sep-11	15.5		43.6	28.1	28.8	13.4	42.1	28.7	11.2			
Sep-12	16.3		41.6	25.3	27.9	15.0	40.0	25.0	11.0			
Sep-13	19.1		40.8	21.7	30.1	19.2	38.0	18.8	12.4			
Sep-14	15.9		41.0	25.1	49.8	15.0	59.0	44.0	23.5	25.0	45.0	20.0
Sep-15	18.1		37.2	19.1	51.4	17.1	60.0	42.9		24.0	42.0	18.0
Sep-16	16.0		39.6	23.6	37.9	14.9	57.1	42.2		20.0	72.0	52.0
Date	Well 6				Well 7				Well 8			
	SL	PL	DD	Spec Cap	SL	PL	DD	Spec Cap	SL	PL	DD	Spec Cap
Sep-07	28.1		53.6	25.5	20.3	28.0	56.2	28.2	84.8	91.3	128.8	37.5
Sep-08	17.6		41.0	23.4	23.2	21.0	49.0	28.0	82.4	80.0	119.0	39.0
Sep-09	17.2		39.8	22.6	21.8	20.7	47.8	27.1	82.6		Out of service	
Sep-10	15.9		35.7	19.8	23.1	17.1	45.8	28.7	79.4	75.6	114.0	38.4
Sep-11	15.4		33.8	18.4	21.5	18.8	47.7	28.9		75.8	106.5	30.7
Sep-12	17.0		35.8	18.8	19.4	17.0	44.0	27.0		76.0	107.0	31.0
Sep-13	18.1		35.2	17.1	21.4	15.0	42.2	27.2		77.8	107.4	29.6
Sep-14	15.0		35.3	20.3	53.7	15.2	41.1	25.9		75.5	105.8	30.3
Sep-15	15.9		38.5	22.6	47.4	18.5	38.8	20.3	102.5	75.2	107.3	32.1
Sep-16	15.7		39.1	23.4	52.3	16.5	35.8	19.3	105.7	75.3	105.1	29.8

1E. Water Level Data

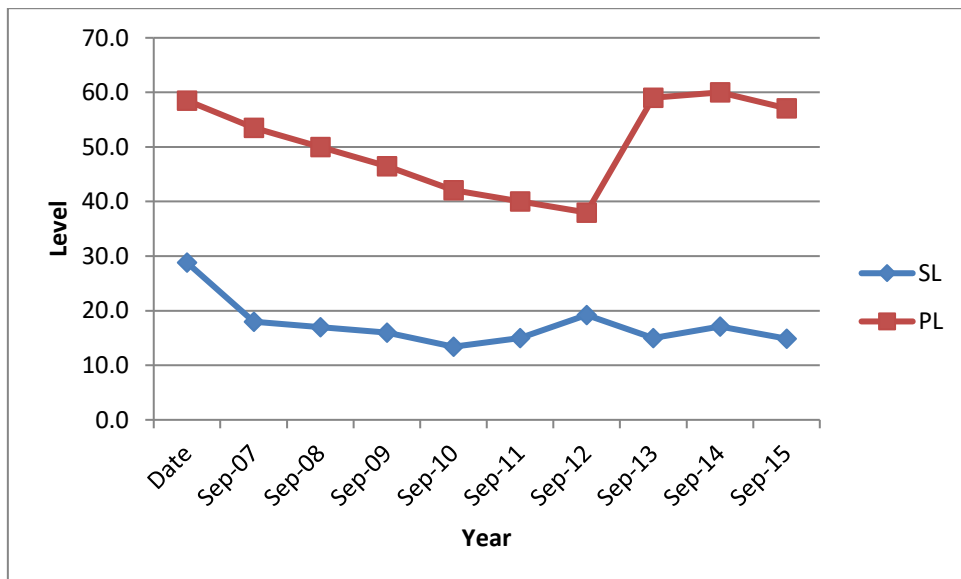
1E-2 Water Level Graphs

(Gap in graphs 3,4,5,6,7,8 = no data available)

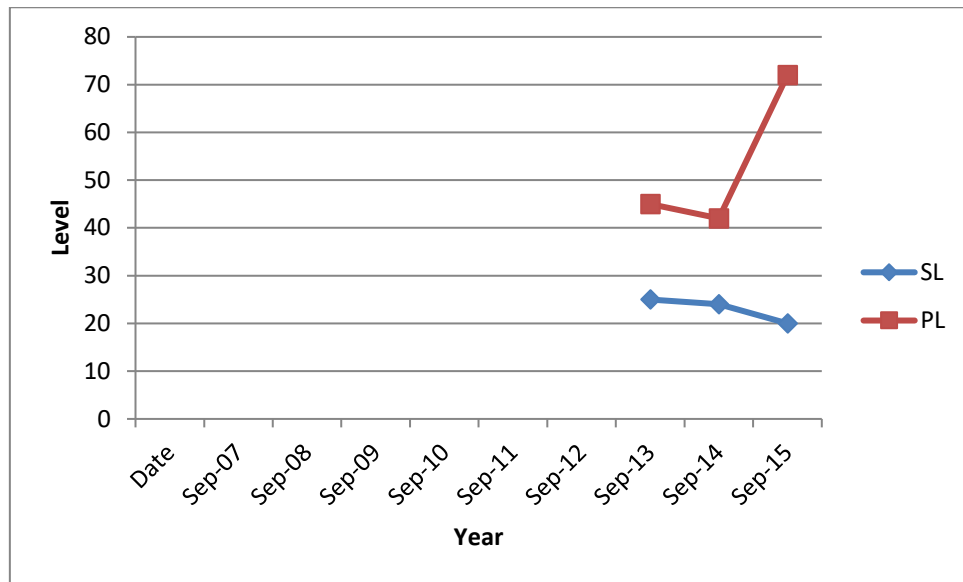
Static and Pumping Levels-Well 3



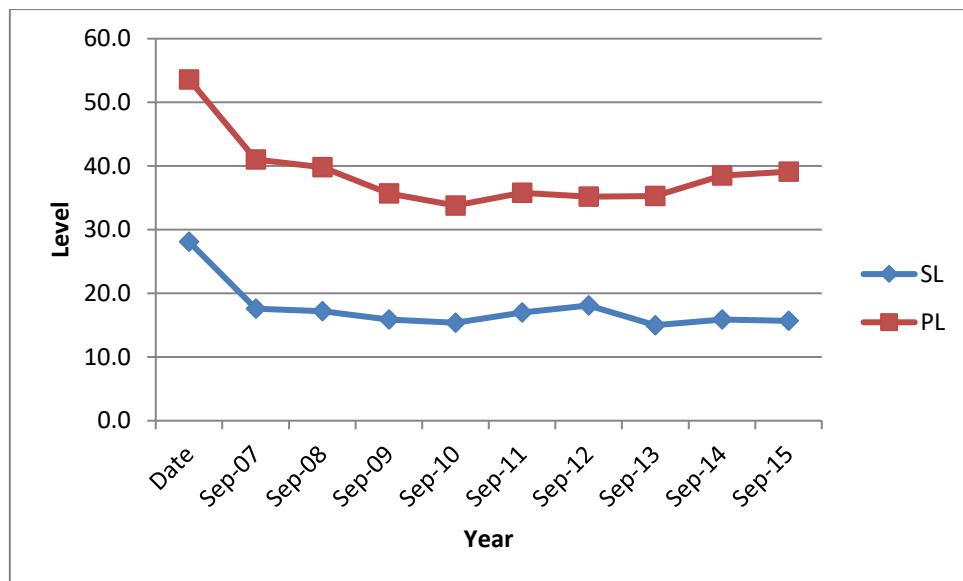
Static and Pumping Levels- Well 4



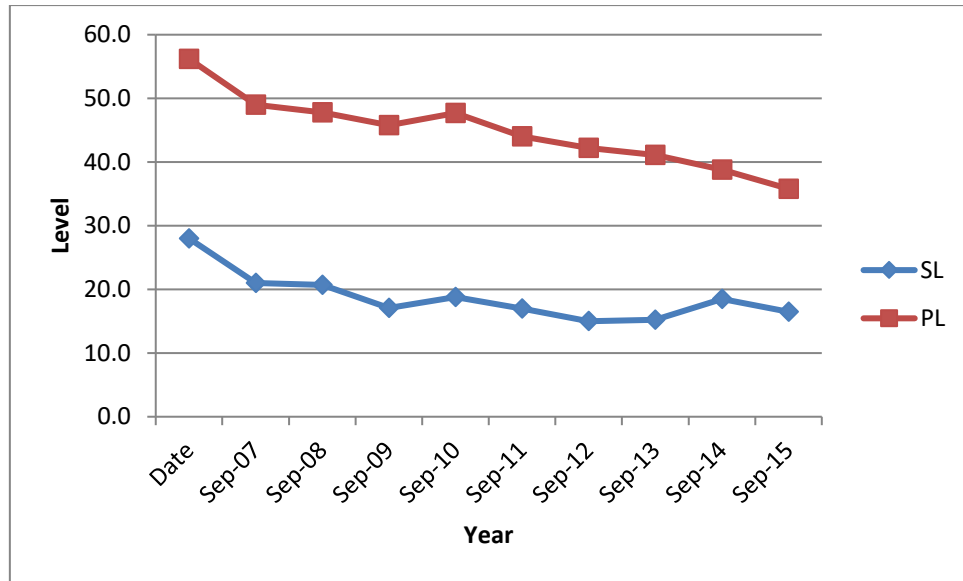
Static and Pumping Levels-Well 5



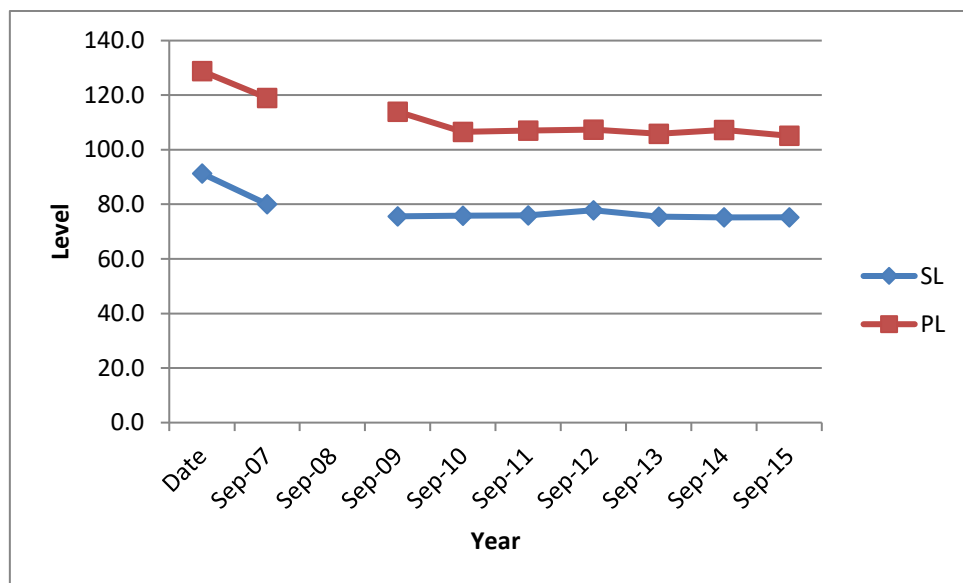
Static and Pumping Levels-Well 6



Static and Pumping Levels- Well 7



Static and Pumping Levels- Well 8



Appendix 4

WATER DEPARTMENT CAPITAL IMPROVEMENT BUDGET FOR THE YEARS 2017 THROUGH 2021							
Project No.	Project Description	2017	2018	2019	2020	2021	Total
PRODUCTION SYSTEM IMPROVEMENTS							
01	Flow Meters For Wells	15,000					15,000
02	Check Valves For Wells		20,000				20,000
03	Electrical Conversion Central Station						-
04	SCADA System Well Conversion	40,000					40,000
05	Energy Improvements						-
WATER RESERVOIR/TANKS							
01	Reclamation/Backwash Tank						-
02	2 Million Gallon Ground Reservoir						-
03	South System Water Tower						-
04	Rehabilitate Existing Towers and Reservoirs						-
05	Land Acquisition - Towers/Reservoirs						-
FILTRATION/TREATMENT FACILITY IMPROVEMENTS							
01	Filter Bed Improvements	40,000	40,000	40,000	40,000	40,000	200,000
02	Valves/Actuators/Level Indicators	20,000	20,000	20,000	20,000	20,000	100,000
03	Control System for South Water Plant		150,000	150,000			300,000
04	Chlorination Equipment		50,000				50,000
05	Chemical Clean	6,000	6,000	6,000	6,000	6,000	30,000
06	Central Garage	60,000					60,000
DISTRIBUTION							
01	Gates/Valves/Hydrants	50,000	50,000	50,000	50,000	50,000	250,000
02	Watermain Projects	10,000	1,000,000	50,000	50,000	50,000	1,160,000
	City Projects						
WATER SERVICE IMPROVEMENTS							
01	Water Service Line Improvements	25,000	15,000	15,000	15,000	15,000	85,000
02	Commercial Water Meter Improvements	20,000	10,000	10,000	10,000	10,000	60,000
SPECIAL EQUIPMENT							
01	Laboratory Equipment/Scales/Containment	5,000	5,000	5,000	5,000	5,000	25,000
TRUCKS AND VEHICLES							
01	Service Truck #2					75,000	75,000
02	Service Truck #1		75,000				75,000
03	Fork Lift (20%)	16,000					16,000
SAFETY EQUIPMENT							
01	Barricades/Warning Equipment/Fall Equip.	5,000	5,000	5,000	5,000	5,000	25,000
02	Arrow Trailer (1/2)	3,000					3,000
03	Trench Box	11,000					11,000
OTHER IMPROVEMENTS							
01	Instrumental & Control System	5,000	5,000	5,000	5,000	5,000	25,000
02	Security System Water Treatment Plant						-
TOTAL BEFORE CONTINGENCIES							
		331,000	1,451,000	356,000	206,000	281,000	2,625,000
CONTINGENCIES							
		17,000	73,000	18,000	10,000	14,000	132,000
GRAND TOTAL							
		348,000	1,524,000	374,000	216,000	295,000	2,757,000

Appendix 5

Emergency Telephone List

Emergency Response Team	Name	Work Telephone	Alternate Telephone
Emergency Response Lead	Scott Magnuson	218-825-3213	651-343-2673
Alternate Emergency Response Lead	Sam Arnzen	218-820-1399	218-270-0773
Water Operator	Jeff Innes	218-825-3228	218-330-6765
Alternate Water Operator	Jason Engholm	825-3228	218-820-2775
Public Communications	Julie Batters	218-825-3203	218-839-1734
State and Local Emergency Response Contacts	Name	Work Telephone	Alternate Telephone
State Incident Duty Officer	Minnesota Duty Officer	800/422-0798 Out State	651-649-5451 Metro
County Emergency Director	John Bowen	218-537-0288	911
National Guard	Minnesota Duty Officer	800/422-0798 Out State	651-649-5451 Metro
Mayor/Board Chair	Ed Menk	218-829-7266	218-330-8166
Fire Chief	Tim Holmes	218-839-8063	218-828-2312
Sheriff	Todd Dahl	218-4749	911
Police Chief	Corky McQuiston	218-829-2805	911
Ambulance	Kevin Lee	218-829-8767	218-820-0773
Hospital	Curtis-St Joseph Essentia	218-828-7315	---
Doctor or Medical Facility	Greg-Essentia	218-892-0310	---
State and Local Agencies	Name	Work Telephone	Alternate Telephone
MDH District Engineer	Dave Shultz	320-255-4216	320-808-5016
MDH	Drinking Water Protection	651-201-4700	
State Testing Laboratory	Minnesota Duty Officer	800/422-0798 Out State	651-649-5451 Metro
MPCA	Local Office	218-828-2594	800-657-3862
DNR Area Hydrologist	Gayle / Mark Bacigalupi	612-998-5112	
County Water Planner	Soil & water Conservation	218-828-6197	

Utilities	Name	Work Telephone	Alternate Telephone
Electric Company	Brainerd Public Utilities	218-829-2193	218-829-8726
Gas Company	Centerpoint/Excel	1-800-603-6000	800-722-9326
Telephone Company	Keith Harmeling	763-425-3767	612-559-9288
Gopher State One Call	Utility Locations	800-252-1166	651-454-0002
Highway Department	CWC Highway Dept	218-824-1110	
Mutual Aid Agreements	Name	Work Telephone	Alternate Telephone
Neighboring Water System	City of Baxter	454-5100	
Emergency Water Connection	City of Baxter	454-5100	
Materials	HD Supply Waterworks	1-800-492-6909	763-428-7473
Technical/Contracted Services/Supplies	Name	Work Telephone	Alternate Telephone
MRWA Technical Services	MN Rural Water Association	800-367-6792	
Well Driller/Repair	Thein Well Co/Alan Anderson	320-796-2111	320-894-1535
Pump Repair	WW Goetsch Com	218-829-6890	Scott Austin 612-802-6706
Electrician	Brainerd Public Utilities	218-829-2193	218-829-8726
Plumber	Tim Thompson	218-839-2935	
Backhoe	Brainerd Public Utilities	218-829-2193	218-829-8726
Chemical Feed	Sam Arnzen	218-820-1399	218-270-0773
Meter Repair	Jeff Innes	218-825-3228	218-330-6765
Generator	Trent Hawkinson	218-330-8913	218-522-0606
Valves	Brainerd Public Utilities	218-829-2193	218-829-8726
Pipe & Fittings	National Waterworks	952-937-9666	
Water Storage	Brainerd Public Utilities	218-829-2193	218-829-8726
Laboratory	Brainerd Public Utilities	218-829-2193	218-829-8726
Engineering firm	SEH-Jeff Lodin	218-855-1700	

Communications	Name	Work Telephone	Alternate Telephone
News Paper	Brainerd Dispatch	218-829-4705	Pete Mohs 218-855-5855
Radio Station	Hubbard Radio	218-828-1244	218-839-6879/218-820-1771
School Superintendent	Laine D. Larson	218-454-6900	
Property & Casualty Insurance	W.E. Insurance Craig Miller	218-829-4721	
Critical Water Users	Name	Work Telephone	Alternate Telephone
Hospital Critical Use:	Curtis-St Joseph Essentia	218-828-7315	
Nursing Home Critical Use:	Bethany Good Samaritan	218-829-1407	218-825-2500??

Appendix 6

Cooperative Agreement for Emergency Services

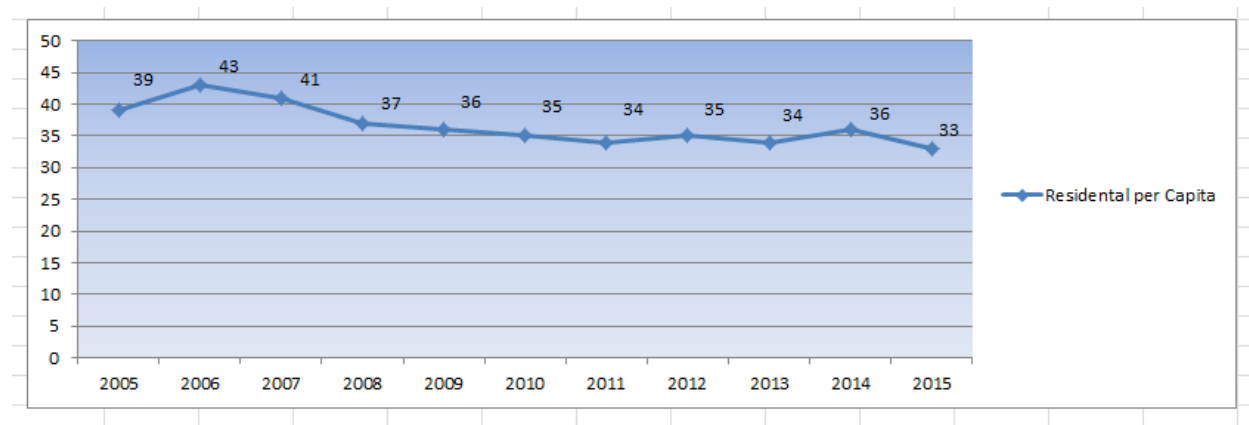
We currently do not have an official Agreement with our neighbor city Baxter for water in emergencies. We have an agreement for Brainerd to sell water to Baxter, but has not been used for a few years (Baxter built a new water plant) I am working on an official agreement.

Appendix 7

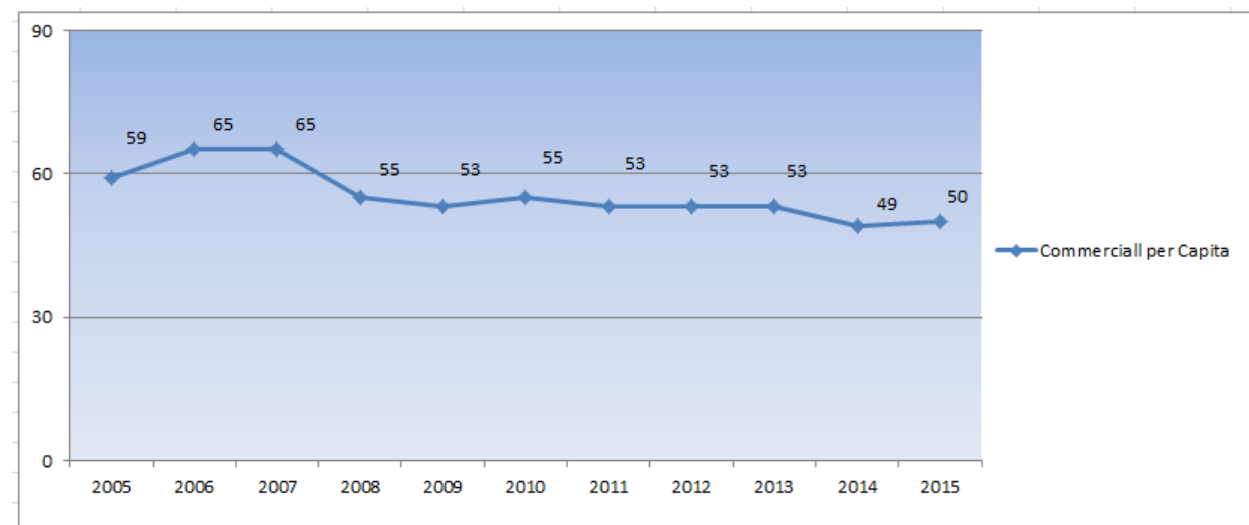
Municipal Critical Water Deficiency Ordinance

We currently do not have this ordinance, I am working on this also, and will submit to DNR within six months.

Appendix 8A



Appendix 8B



Appendix 9

WATER AND WASTEWATER RATES

Water Rates

The following water rates are **effective February 1, 2016**. Commercial water customers will be subject to Minnesota sales tax.

Each water customer will be charged a monthly service charge, according to the size of their water meter.

The monthly service charge is billed even if there is no water consumption, unless the water is shut off by BPU.

<u>METER SIZE</u>	<u>MONTHLY RATE</u>	<u>INCLUDING MDH CHARGE</u>
5/8 inch & 3/4 inch	\$ 15.20	\$ 15.73
1 inch	40.25	40.78
1 1/2 inch	58.00	58.53
2 inch	105.00	105.53
3 inch	173.00	173.53
4 inch	263.00	263.53
6 inch	443.00	443.53
8 inch	833.00	833.53
Hydrants (Per Hydrant)	6.15	

In addition to the monthly water service charge, each customer is billed a commodity charge of \$2.50 per 1,000 gallons of water used.

If a customer lives outside the city limits, the customer is charged 200% for both the service and commodity charge.

Safe Drinking Water Fee

A \$0.53 water service connection fee is included in each monthly service charge. The drinking water service connection fee was established in 1993 to help fund program activities related to compliance with the federal Safe Drinking Water Act.

Wastewater Treatment Rates

Effective February 1, 2016, each wastewater customer will be charged a monthly service charge based on the size of the customer's water meter.

<u>METER SIZE</u>	<u>MONTHLY CHARGE</u>
5/8 inch & 3/4 inch	\$ 11.40
1 inch	12.35
1 1/2 inch	13.30
2 inch	14.25
3 inch	16.20
4 inch	18.65
6 inch	21.60
8 inch	22.55

In addition to the monthly service charge, each customer is billed a commodity charge of \$2.65 per 1,000 gallons of water used.

If a customer lives outside the city limits, the customer is charged 200% for both the service and commodity charge

Wastewater Debt Service Rates

Effective February 1, 2016, each wastewater customer is charged the following monthly debt service charge based on the size of their water meter. This charge is to fund a portion of the upgrade and expansion of the wastewater treatment facility.

<u>METER SIZE</u>	<u>DEBT SERVICE</u>
5/8 inch & 3/4 inch	\$ 9.00
1 inch	11.70
1 1/2 inch	16.20
2 inch	19.80
3 inch	27.90
4 inch	35.10
6 inch	49.50
8 inch	63.00

If a customer lives outside the city limits, the customer is charged 200% of the above wastewater rates.

Wastewater Collection Rates

Effective January 1, 2016, each wastewater customer is charged \$1.50 per every 1,000 gallons of water that is used. This charge has been added as a line item to the BPU utility bill, on behalf of the City of Brainerd, to cover the maintenance costs of the City's wastewater collection system.

If a customer lives outside the city limits, the customer is charged 200% for both the service and commodity charge.

Summer Sprinkling Rates

Residential Customers

Residential customers are given a sprinkling credit on their wastewater treatment and collection rate for the billing months of June through September. The customer's wastewater charges will be based on the customer's average water consumption during the billing months of December through February.

No residential customer will be allowed to install a separate water meter for a sprinkling system.

Commercial Customers

Commercial customers must purchase a separate water meter for irrigation purposes. The customer is then charged for the water usage on this meter for the months of May through September. No wastewater charges are billed for this meter.

Backflow Preventers

Both residential and commercial underground sprinkling systems shall have a backflow preventer installed in the main service connection to the sprinkling system that is in accordance with the MN Plumbing Code requirement.

Appendix 10

3B-7. Regulation and Enforcement

RESOLUTION ESTABLISHING LAWN WATERING RESTRICTIONS

WHEREAS, the Brainerd Public Utilities municipal water supply system may reach critical levels due to summer peak usage; and

WHEREAS, a possibility of water shortage is made more critical by hot and dry weather conditions; and

WHEREAS, lack of adequate water pressure could cause serious fire protection problems; and

WHEREAS, it has been determined that a watering ban must be implemented in order to assure the safety and well being of the residents of the City of Brainerd.

NOW, THEREFORE, BE IT RESOLVED, that the Utilities Commission of the City of Brainerd, hereby establishes restrictions for all residential, commercial and industrial users of the Utilities' water system;

1. The Superintendent of Brainerd Public Utilities shall be given the authority to implement emergency restrictions to restrict water use during emergency periods. The Superintendent of Brainerd Public Utilities shall notify municipal system users of a watering ban by publishing notice in the Brainerd Daily Dispatch and on KAWB Lakeland TV.
2. Residents with an odd house number shall water lawns or wash cars when necessary only on odd-numbered calendar days, and those with even-numbered addresses shall water lawns or wash cars only on even-numbered days. Lawns shall not be watered between the hours of 10:00 am and 6:00 pm.
3. An exception may be granted for recently established lawns. Those lawns may be watered daily for up to one month after installation, but only during the hours listed above.
4. In extreme emergency cases, the Superintendent of Brainerd Public Utilities shall have the authority to issue a total watering ban until such time that the emergency situation ceases to exist.
5. The penalty for violating the Utilities' watering ban shall be a warning for the first day of violation, a \$25.00 per day fine for the second violation, and a \$50.00 per day fine for the third violation.

Adopted by the Public Utilities Commission of the City of Brainerd, this date June 24, 2008.

ATTEST: _____

Ordinances and policies are enforced thru inspection and public education.

Water Supply Plan Checklist

All sections of the plan must be completed in order for the plan to be approved. The following checklist can be used to make sure all elements of the plan have been completed.

Part 1. Water Supply System Description and Evaluation

☐	Table 1. DNR Water Appropriation Permit Number & Utility Contact Information
☐	Table 2. Historic Water Demand (Part 1, A)
☐	Table 1. Large volume users (Part 1, A)
☐	Table 2. Water treatment capacity and treatment processes (Part 1, B)
☐	Table 3. Storage capacity, as of the end of the last calendar year (Part 1, B)) & discussion of current and future storage capacity needs
☐	Table 4. Water sources & status (Part 1, C) & discussion of limitations
☐	Table 5. Projected annual water demand (Part 1, D) & discussion of water use trends & projection method
☐	Table 6. Source water quality monitoring (Part 1, E)
☐	Table 9. Water level data (Part 1, E)
☐	Table 10. Natural resource impacts (Part 1, E)
☐	Table 11. Status of Wellhead Protection and Source Water Protection Plans (Part 1, E)
☐	Table 12. Adequacy of Water Supply System (Part 1, F)
☐	Table 13. Proposed future installations/sources (Part 1, F)
☐	Table 14. Alternative water sources (Part 1, F)
☐	Appendix 1: Well records and maintenance summaries
☐	Appendix 2: Water level monitoring plan
☐	Appendix 3: Water level graphs for each water supply well
☐	Appendix 4: Capital Improvement Plan

Part 2. Emergency Planning and Response Procedures

☐	Table 15. Emergency response plan contact information (Part 2, A) & Y/N questions
☐	Table 16. Interconnections with other water supply systems to supply water in an emergency (Part 2, C) & Y/N questions
☐	Table 17. Utilizing Surface Water as an Alternative Source (Part 2, C) & discussion of additional emergency water provisions
☐	Table 18. Water use priorities (Part 2, C)
☐	Table 19. Emergency demand reduction conditions, triggers and actions (Part 2, C)
☐	Table 20. Plan to Inform Customers Regarding Conservation Requests, Water Use Restrictions, and Suspensions (Part 2, C) & discussion of restriction authority
☐	Appendix 5: Emergency Telephone List
☐	Appendix 6: Cooperative Agreements for Emergency Services
☐	Appendix 7: Municipal Critical Water Deficiency Ordinance

Part 3. Water Conservation Plan

☒	Table 21. Implementation of previous ten-year Conservation Plan (Part 3, A) & discussion of progress and results
☒	Table 22. Short and long-term demand reduction conditions, triggers & actions (Part 3, A)
☒	Y/N & discussion of leak detection monitoring, water audits & water loss (Part 3, B)
☒	Table 23. Customer Meters (Part 3, B)
☒	Table 24. Water Source Meters (Part 3, B)
☒	Y/N & discussion of water use trends in residential GPCD (Part 3, B)
☒	Table 25. Strategies and timeframe to reduce residential per capita demand (Part 3, B)
☒	Table 26. Strategies and timeframe to reduce institutional, commercial, industrial, and agricultural and non-revenue use demand (Part 3, B)
☒	Describe trends in customer use categories (Part 3, B)
☒	Calculate ratio of maximum day demand to average day demand (Part 3, B)
☒	Table 27. Rate structures for each customer category (add additional rows as needed)
☒	Table 28. Additional strategies to Reduce Water Use & Support Wellhead Protection (Part 3, B)
☒	Discuss how you will track success (Part 3, B)
☒	Table 29. Regulations for short-term reductions in demand and long-term improvements in water efficiencies (Part 3, B)
☒	Table 30. Retrofitting programs (Part 3, B)
☒	Table 31. Current and Proposed Education Programs (Part 3, C) and discussion of future education plans
☒	Appendix 8: Graph showing annual per capita water demand for each customer category during the last ten-years
☒	Appendix 9: Water Rate Structure
☒	Appendix 10: Adopted or proposed regulations to reduce demand/improve water efficiency
☒	Appendix 11: Implementation Checklist

Part 4. Items Metropolitan Area Water Suppliers

☐	Table 32. Alternative Approaches (Part IV, D)
☐	Complete Technical Assistance question

Plan Submittal and Adoption

- ☒ Follow MPARS submission guidelines on page 1 of this document (preferred) or
 Mail to: DNR Ecological & Water Resources
 Water Permit Programs Supervisor
 500 Lafayette Road
 St. Paul, MN 55155-4032 Or e-mail to <http://www.dnr.state.mn.us/mpars/index.html>
- ☐ *(Metro communities with less than 1,000 people only)*
 Follow MPARS submission guidelines on page 1 of this document (preferred) or
 Mail to: Metropolitan Council
 Reviews Coordinator
 390 N Robert St
 St. Paul, MN 55101 Or e-mail to ReviewsCoordinator@metc.state.mn.us

January 30, 2017

City of Brainerd
Scott Magnuson
8027 Highland Scenic Rd, PO Box 373
Brainerd, MN 56401

Dear Mr. Magnuson:

RE: WATER EMERGENCY AND CONSERVATION PLAN APPROVAL, CITY OF BRAINERD, CROW WING COUNTY

Our office has completed the review of your 2016 Water Supply Plan for public water supply authorized under DNR Permit 1977-3523.

I am pleased to advise you that in accordance with Minnesota Statutes, Section 103G.291, Subdivision 3, and on behalf of the Commissioner of Natural Resources, I hereby approve your plan. The Department requires receipt of a completed copy of the attached "Certification of Adoption" form once the plan has been adopted. Please return the form to my office as soon as the City Council officially adopts the plan.

An optional administrative amendment for additional water supply and wells authorized under Permit 1977-3523 was not requested during the Water Supply Plan approval process. As such, all terms and conditions of your existing permit shall remain in effect.

Thank you for efforts in planning for the future of the City of Brainerd water supply and for conserving the water resources of the State of Minnesota. If you have any questions or need additional assistance with your water appropriation permit, please contact me, at 218-302-3249 or greg.root@state.mn.us, in our Duluth area office.

Sincerely,



Greg Root
Regional Water Appropriations Hydrologist

Cc: Mike Peloquin, Regional Hydrologist
Crow Wing County SWCD
Steve Colvin, Deputy Director
Carmelita Nelson, Water Conservation Consultant



**CERTIFICATION OF ADOPTION
WATER EMERGENCY AND CONSERVATION PLAN**

City or Water System Name:

Name of Person Authorized to Sign
Certification on Behalf of the System:

Title:

Address:

Telephone:

Fax:

E-mail:

I certify that the Water Emergency and Conservation Plan approved by the Department of Natural Resources has been adopted by the city council or utility board that has authority over water supply services.

Signed:

Date:

Fax (218/327-4263) or mail this certification to:

**DNR Ecological & Water Resources
525 Lake Ave South Suite 415
Duluth, MN 55802**

Or email to:

**greg.root@state.mn.us or
heidi.lindgren@state.mn.us**

Controls and Programs

City of Brainerd

Type of Control / Program	Program Description
City Code Chapter 4 – Building, Housing & Construction Regulations	Provides an opportunity to require performance standards to offset potential risk posed by a land use.
City Code Chapter 5 – Planning & Land Use	Includes planning, environmental review, zoning, and other regulations for land use within the city limits.
City Code Chapter 7 – Public Utilities	Sets requirements for the city sewer, water, and storm sewer utilities, and stormwater management.
City Code: https://www.ci.brainerd.mn.us/153/City-Code	

Local Agency Controls and Programs

Government Unit	Name of Control / Program	Program Description
Crow Wing County Zoning Department	Zoning Ordinance	Sets minimum standards for zoning and land use, including permitting design and construction of SSTs.
Crow Wing County Zoning Department	Planning and Zoning	Crow Wing County administers the land use in the County, outside of city limits.
Crow Wing County Zoning Department	Solid Waste Management	Crow Wing County oversees all solid waste management activities of the county, including the recycling program, licensure of private waste haulers, transportation and processing.
Crow Wing Soil and Water Conservation District (SWCD)	Well Sealing – State Cost Share Program Stormwater Projects Funding	This program is primarily intended for rural and agricultural properties. These funds can be used for well sealing.

State and Federal Agency Controls and Programs

Government Unit	Name of Control / Program	Program Description
Board of Soil and Water Resources (BWSR)	County Water Planning	Encourages counties to include WHP in water planning and provides grants for WHP-related projects.
BWSR	One Watershed One Plan (1W1P)	Provides oversight and funding opportunities to improve surface water quality assessments and implementation projects.
Environmental Protection Agency (EPA)	Underground Injection Control (SDWA) / Class 5 Wells Program	The U.S. EPA administers the Class 5 wells program. Automatic closure of Class 5 automotive waste disposal wells in WHPAs. Inventory of all Class 5 wells. Memorandum of agreement (MOA) with MDH re: Class 5 wells.
EPA	Environmental Review of Federally Funded Projects	Assess the water quality impacts of federally funded projects in WHPAs.
EPA	National Source Water Collaborative	Identify partners for supporting WHP planning and implementation.
Farm Service Agency (FSA)	Conservation Reserve Program (CRP)	Automatic sign-up of lands within 2,000 feet of a well that is within an approved WHPA.
FSA and State of Minnesota	Conservation Reserve Enhance Program (CREP)	Automatic sign-up and increased state funding for WHPAs that are located in priority geographic areas.
Minnesota Department of Agriculture (MDA)	Nutrient Management Relating to Agriculture Practices	WHPAs are priority areas for MDA staff involvement. Interagency agreements to develop tools for local wellhead teams.
Minnesota Department of Health (MDH)	State Well Code / Well Construction and Sealing (MR 4725)	MDH has authority over the construction of new wells and sealing of wells. MDH staff in the Well Management Program offers technical assistance for enforcing well construction, maintaining setback distances for certain contamination sources, and well sealing. Requires minimal construction methods and sealing of unused wells.
Minnesota Department of Labor and Industry	Minnesota Plumbing Code	Design standards for plumbing.

Government Unit	Name of Control / Program	Program Description
Minnesota Department of Natural Resources (MNDNR)	Water Appropriation Permitting (MR Chapter 6115)	DNR can require that anyone requesting an increase in existing permitted appropriations or to pump groundwater must address concerns of the impacts to drinking water if these concerns are included in a WHP plan.
MNDNR	Water Conservation Plans (MR 186)	DNR approved water conservation plan = WHP contingency plan (MR 4720)
Minnesota Department of Public Safety / Office of Pipeline Safety	Pipeline Spill Response	Recognizes DWSMA vulnerability as part of clean-up efforts.
Minnesota Department of Transportation (MNDOT)	Environmental Review of Highway Construction Projects	Recognize water quality and quantity impacts of highway projects.
Minnesota Environmental Quality Board (EQB)	Environmental Review (MR 4410)	Recognizes the vulnerability of DWSMAs in reviewing environmental documents.
Minnesota Pollution Control Agency (MPCA)	Feedlot Rules (MR 7020)	Establishes minimum state-wide standards for feedlot regulations. Setback distances and management criteria. MDH participation with training events.
MPCA	Leaking Underground Storage Tank Program (MR 7037)	MPCA administers the leaking underground storage tank program. Addresses DWSMA vulnerability when determining scope of cleanup and Petro Fund use.
MPCA	Subsurface Sewage Treatment Systems (SSTS) (MR 7080)	Regulates setback distances and plan review.
MPCA	Stormwater Management (Clean Water Act)	Design standards and setback distances.
MPCA	Clean Water Act Section 319	Provides funding to support SWP efforts through a competitive process.
U.S. Department of Agriculture (USDA)	Farm Storage Tank Program	USDA administers the farm storage tank program.

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 landmarks, 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, section 103I.005, subdivision 24).

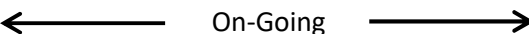
Well Vulnerability. An assessment of the likelihood that a well is at risk of human-caused contamination, either due to its construction or indicated by criteria that are specified under Minnesota Rules, part 4720.5550, subpart 2.

A. DATA COLLECTION, MONITORING AND ASSESSMENT

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #A1</u> <i>Groundwater Quality / Quantity Monitoring</i> Notify the MDH Hydrologist during year 6 for monitoring of the standard assessment package, which should include the primary wells and wetlands. BPU will collect samples to submit to MDH to pay for monitoring and analysis costs.	1, 5	M	Staff Time	Brainerd MDH Hydro						X				
<u>WHP Measure #A2</u> Coordinate with MDH on locating and verifying any known new wells, especially east of the Mississippi River, and within one mile of the city's public water supply wells. Well details should include well owner, depth, use, and MDH well record.	1, 5	L	Staff Time	Brainerd MDH		X		X		X		X		X
<u>WHP Measure #A3</u> Coordinate with MDH and MNDNR to identify new high-capacity wells that are proposed for construction within one mile of the DWSMA. Request MDH and MNDNR provide an objective well evaluation identifying potential impacts.	1, 5	M	Staff Time	Brainerd MDH MNDNR Well Owners			X				X			
<u>WHP Measure #A4</u> <i>Class V Wells</i> Inventory locations of potential Class V wells via direct communication with the business or landowner. Provide a Fact Sheet and reporting requirements on Class V Wells and impacts on groundwater quality. Notify MDH of any Class V wells identified within the DWSMA. Information available at: https://www.epa.gov/uic/federal-requirements-class-v-wells .	1, 5	M	Staff Time	Brainerd EPA Landowners MDH										

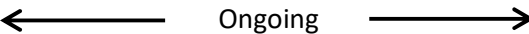
Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #A5</u> <i>Aquifer Testing</i> The city may prepare to replace one or more of the existing wells due to infrastructure age. Work cooperatively with MDH for future well-siting, sampling, and analysis. To prepare for this, the city may consider water quality sampling of existing wells, construction of test wells, and well capacity testing to determine potential yield and suitability as a public water supply well.	1, 5	H	TBD	Brainerd MDH Hydro										
<u>WHP Measure #A6</u> Coordinate with MDH, MNDNR, and/or MPCA to identify any surface-to-ground water connectivity between the public water supply wells and the adjacent wetland areas and/or other adjacent surface waters, including stormwater runoff. Apply for grant funding to perform water quality or infrastructure improvement projects as corrective measures.	1, 5	M	Staff Time	Brainerd MDH MNDNR MPCA			X				X			
<u>WHP Measure #A7</u> Investigate the integrity and construction of the older public water supply wells to make sure they are not serving as potential contaminant pathways. This could include scoping, televising, and other assessment methods.	1, 5	H	TBD	Brainerd MDH										

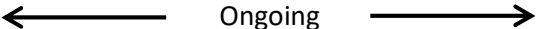
B. POTENTIAL CONTAMINANT SOURCE MANAGEMENT

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #B1</u> <i>Potential Contaminant Source Inventory</i> Update the PCSI, as needed, with a complete update during year six. Review status of existing potential contaminants and add any new ones identified within the DWSMA.	2, 6	M	Staff Time	Brainerd MDA MDH MRWA						X				
<u>WHP Measure #B2</u> <i>Unlocated-Unsealed Wells</i> Seal unlocated-unsealed or abandoned wells. Promote local abandonment and sealing of these wells within the DWSMA. The city may assist in finding funding sources for the homeowners. Wells in the Emergency Response Area are the priority.	2	M	TBD	Brainerd Crow Wing County MDH Well Owners										
<u>WHP Measure #B3</u> <i>Old Municipal Well Report</i> Review the OMWR and work with MDH to identify, locate, and seal any wells identified in this report.	2, 5	M	TBD	Brainerd MDH			X	X						
<u>WHP Measure #B4</u> <i>Inner Well Management Zone</i> Review and update the IWMZ survey and monitor setbacks for all public water supply (PWS) wells every 5 years. Perform any necessary corrective measures.	2, 5	M	Staff Time	Brainerd MDH				X					X	
<u>WHP Measure #B5</u> <i>Emergency Response Plan</i> Continue coordination between the city and local and county emergency responders to review the DWSMA Emergency Response Area as a high priority for response efforts. Identify training opportunities and equipment needs to improve response time and effectiveness.	3, 5	H	Staff Time	Brainerd Brainerd Fire Dept City of Baxter Crow Wing County		X					X			

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame										
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
<u>WHP Measure #B6</u> <i>Hazardous Materials</i> Conduct a survey to identify the current status of storage tanks, leak sites, and other MPCA-regulated permit locations within the moderate and high vulnerability areas of the DWSMA. Tanks within the ERA are the priority. Request MPCA assistance to help conduct this survey and apply for funds to facilitate corrective actions.	2	H	Staff Time / Special Studies (if needed)	Brainerd MDH MPCA				X						X	
<u>WHP Measure #B7</u> <i>Transportation Corridors</i> Coordinate with MnDOT, MDH, and contractors to address impacts of construction along transportation corridors within the moderate and high vulnerability areas of the DWSMA (GWCA and SWCA) to minimize chances of future contamination.	2, 5	H	Staff Time	Brainerd MnDOT MDH	← As Needed →										
<u>WHP Measure #B8</u> <i>City Infrastructure</i> Continue to evaluate water, sanitary and stormwater systems to identify components that have a potential to contaminate the water system. Make recommendations to the City Council as part of the Capital Improvement Plan to repair or replace failing infrastructure. The parts of the system within the ERA are the priority.	2	L	Staff Time	Brainerd WHP Team			X			X				X	
<u>WHP Measure #B9</u> Evaluate and identify PFAS/PFOS and other potential contaminants of concern (lead, copper, etc.) that may enter the water supply system and how to mitigate these concerns.	2, 5	M	TBD	Brainerd MDH MPCA	← As Needed →										

C. ADMINISTRATIVE CONTROLS AND GUIDELINES

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #C1</u> <i>Municipal Policy</i> Incorporate recognition of WHP and DWSMA in future updates of City Comprehensive Plan, Economic Development Plan, City Zoning and Ordinances, and other administrative controls. This may include a city well ordinance.	3	M	Staff Time	Brainerd MDH MRWA		X				X				X
<u>WHP Measure #C2</u> <i>Conservation Guidelines</i> Explore opportunities to promote water conservation measures and codify these in updated plans, policies, and education/outreach materials and programs.	3, 4	M	TBD	Brainerd WHP Team		X			X			X		
<u>WHP Measure #C3</u> <i>City Codes and Permits</i> Review and enforce applicable City Code and permits for public utilities and Minnesota Plumbing Code 4715.1920 banning cross connections, preventing contamination of city water via private wells. This may reduce the likelihood that pumping of other wells will impact contaminant movement to the city wells.	3	H	Staff Time	Brainerd										
<u>WHP Measure #C4</u> <i>Land Use, Zoning, and City Code</i> Identify and document any land use or zoning changes within the DWSMA (prioritize the ERA) that may affect the drinking water supply. Update land use, zoning, and city code as needed and address these changes in future comprehensive planning documents.	1, 2	M	Staff Time	Brainerd MDH WHP Team										

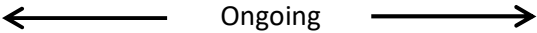
Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measuer #C5</u> Work cooperatively with local, state, and federal agencies to provide long-term protection on vulnerable lands within the DWSMA.	2, 3	M	Staff Time	Brainerd BWSR Crow Wing County MDH MPCA MRWA										
<u>WHP Measure #C6</u> <i>New Wells</i> Coordinate with city staff to identify new wells drilled within the city limits.	2, 3	H	Staff Time	Brainerd Crow Wing County MDH WHP Team										
<u>WHP Measure #C7</u> <i>Best Management Practices</i> Provide Best Management Practices (BMPs) information for all land-use operations within the DWSMA. The city will work with city departments, businesses and residents to improve awareness, reduce use of fertilizers/chemicals, and address other nonpoint source pollutants.	3, 4	L	TBD	Brainerd Crow Wing County SWCD MRWA WHP Team										
<u>WHP Measure #C8</u> <i>Emergency Response, Physical and Cyber Security</i> Evaluate and document the city's emergency response operations. Assess and improve physical and cyber security and backup power options for the city wells and water system.	2, 3, 6	H	Staff Time / TBD	Brainerd MDH MRWA WHP Team			X					X		

D. PUBLIC EDUCATION AND OUTREACH

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #D1</u> Develop and release periodic WHP educational materials to residents via newsletters, bill stuffers, and social media platforms. Provide public information explaining the WHPP and its purpose, especially to citizens served by the public water supply system.	2, 4	M	Staff Time	Brainerd Local Media MRWA		X			X			X		
<u>WHP Measure #D2</u> Coordinate with MPCA to provide educational materials directly to hazardous waste and solid waste permit holders. Direct landowners to household hazardous waste collection held by Crow Wing County Solid Waste Disposal Site.	2, 4	M	Staff Time	Brainerd Crow Wing County MPCA WHP Team			X		X		X		X	
<u>WHP Measure #D3</u> Maintain communication with Crow Wing County and adjoining townships to ensure that concerns regarding city water supply protection are addressed in local land-use decisions, including comprehensive land use plan, zoning ordinances, and other plan updates.	2, 3	H	Staff Time	Brainerd City of Baxter Crow Wing County Townships WHP Team	← Ongoing →									
<u>WHP Measure #D4</u> City staff will distribute MDH and/or MRWA brochures describing proper well maintenance and operation to private landowners within the DWSMA.	4	M	Staff Time	Brainerd MDH MRWA WHP Team		X			X			X		

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
<u>WHP Measure #D5</u> Provide information regarding effective road salt use to citizens, either by informational brochure, posting on the City website, or in the news or social media posts. Encourage less use of salt or a less damaging salt alternative. Provide MPCA Smart Salting training to the City's street maintenance staff.	2, 4	M	Staff Time / Marketing Costs	Brainerd Local Media MPCA MRWA	X			X			X			X
<u>WHP Measure #D6</u> Provide information about PFAS/PFOS and other potential contaminants as future treatment or mitigation efforts are identified.	2, 4, 5	M	Staff Time	Brainerd MDH MPCA		X			X			X		

E. WHP COORDINATION, REPORTING AND EVALUATION

Description	Objective	Priority	Cost	Responsible Party & Cooperators	Implementation Time Frame									
					2023	2024	2025	2026	2027	2028	2029	2030	2031	2032
<u>WHP Measure #E1</u> <i>Water Use Management</i> Review and update the Emergency / Contingency Strategy Plan portion of the City's WHP plan every 2.5 years to ensure it reflects any changes in the water supply system.	3, 6	M	Staff Time	Brainerd WHP Team			X			X		X		X
<u>WHP Measure #E2</u> <i>WHP Coordination</i> Coordinate a meeting with the WHP team annually. Discuss funding needs and pursuit of SWP Grant funds to help implement activities identified in the WHP Plan.	5, 6	H	Staff Time	Brainerd MDH MRWA WHP Team	X	X	X	X	X	X	X	X	X	X
<u>WHP Measure #E3</u> <i>Implementation Tracking and Reporting Activities</i> Maintain a "WHP folder" that contains documentation of annual WHP activities and dates completed.	6	H	Staff Time	Brainerd WHP Team	X	X	X	X	X	X	X	X	X	X
<u>WHP Measure #E4</u> Develop a spreadsheet that monitors plan implementation activities and completion dates.	6	H	Staff Time	Brainerd WHP Team										
<u>WHP Measure #E5</u> <i>WHP Program Evaluation Plan Reporting</i> Complete an Evaluation Report every 2.5 years that evaluates the "progress of plan of action and the impact of any contaminant release on the aquifer supplying the public water supply well" MN WHP Rule 4720.5270.	6	H	Staff Time	Brainerd MDH MRWA			X			X		X		X
<u>WHP Measure #E6</u> Summarize WHP Plan implementation efforts in a report to MDH in the year 8.	5, 6	M	Staff Time	Brainerd MDH MRWA								X		



Protecting, Maintaining and Improving the Health of All Minnesotans

Old Municipal Well Report for Brainerd

PWSID: 1180002

MDH

April 2019



Minnesota Department of Health

Environmental Health in Minnesota

MDH Public Water Supply Sources Report

PWSID: [1180002](#)

PWS Name: **Brainerd**

PWS Type: **Community**

PWS Status: **Active**

Public Water Supply Sources: Information from MNDWIS and CWI (sorted by Sample Point ID)

Source Type Codes: **GW** = Ground water; **SW** = Surface water; **GUI** = Ground water under influence

Location Source: **MGS** = digitized by the MN Geological Survey; * indicates incomplete records

O* = duplicate in Old Municipal Well Data; **R*** = duplicate in MNDWIS PWS Sources Removed from Flow; **S*** = duplicate in MNDWIS PWS Sources in Flow;

MNDWIS PWS SOURCES IN FLOW														
Source Info							MNDWIS Data				CWI Data			
Sample Point ID	Name	Type	Availability	Status	Well No. (link to Well Log (s))	Location Info (link to Map)	Drill Year	Depth (in feet)	Case Depth (in feet)	Case Diam. (in inches)	Drill Date	Depth Completed (in feet)	Case Depth (in feet)	Case Diam. (in inches)
S01	Well #3	GW	Primary	Active	232347 O*	05/12/1999 (T. Johnson)	1939	125	73	16	00-00-1939	125	73	16
S02	Well #4	GW	Primary	Active	232348 O*	07/27/2010 (G. Haglund)	1944	123	73	16	00-00-1944	123	73	16
S03	Well #5	GW	Primary	Active	232349 O*	07/27/2010 (G. Haglund)	1947	145	105	16	00-00-1947	145	105	16
S04	Well #6	GW	Primary	Active	232350 O*	07/27/2010 (G. Haglund)	1947	156	107	16	00-00-1947	156	107	16
S05	Well #7	GW	Primary	Active	232352 O*	07/27/2010 (G. Haglund)	1955	157	88	20	08-26-1955	157	88	0
S06	Well #8	GW	Primary	Active	403973 O*	07/27/2010 (G. Haglund)	1984	187	144	16	09-13-1984	187	144	16

MNDWIS and CWI data value discrepancies in preceding tables are shown in **RED** (0 or null values excepted).

Old Municipal Wells

The following tables show information on wells whose existence (or previous existence) has not yet been confirmed.

OLD MUNICIPAL Well Data													
Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
Well A	Mississippi River												
Well B			91			8	Before 1912						Well group No. 1
Well C			91			8	Before 1921						Well group No. 1
Well D			91			8	Before 1921						Well group No. 1
Well E			91			9	Before 1921						Well group No. 1
Well F			72			8	Before 1921						Well group No. 2

OLD MUNICIPAL Well Data													
Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
Well G			72			8	Before 1921						Well group No. 2
Well H			72			8	Before 1921						Well group No. 2
Well I			105			5	Before 1921						Well group No. 2
Well J			94			5	Before 1921						Well group No. 1
Well K			94			5	Before 1921						Well group No. 1
Well L			94			8	Before 1921						Well group No. 1
Well M			94			8	Before 1921						Well group No. 1
Well N			94			8	Before 1921						Well group No. 1
Well O			94			8	Before 1921						Well group No. 1
Well P	Dug Well No. 1		28				Before 1928	Dug					
Well Q	Dug Well No. 2		22				Before 1928	Dug				North and east of the main pumping station	
Well R	Well No. 1		104			24	1939					400 ft south of the main pump station. Flood plane of Mississippi River in the SW part of the city. Woodland Park Addition.	
Well S	Well No. 2		120				1939					Flood plane of Mississippi River in the SW part of the city. Woodland Park Addition. West of the main pump station	Inside of an old dug well
Well T	Well No. 3	232347 S*	120			16	1938					Flood plane of Mississippi River in the SW part of the city. Woodland Park	Active

OLD MUNICIPAL Well Data													
Well Search Reference	Name(s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
												Addition. South side of the main pump station and about half way between it and Well No. 1	
Well U	Well No. 4	232348 S*	120		120	16	1944						Active
Well V	Well No. 5	232349 S*	150			16	1947						Active
Well W	Well No. 6	232350 S*	145			16	1947						Active
Well X	Well No. 7	232352 S*	150			20	1955					200 ft south of Well No. 5	Active
Databases Searched					Remarks								
County Well Index (1-mile radius); MDH DWP Microfiche; MDH 1988-2002 Muni Well Inventory (1Suite); Biennial Report of the MN State Dairy and Food Commissioner-1907; Minnesota Geological Survey City Well File Folders; MGS Bulletin (22, 27, 31, or 32); MDH DWP MNDWIS; MN Historical Soc.- Fire Underwriters Insp. Bureau (Fisher) historical map ; Sanborn Fire Insurance Maps; MDH WELLS													
Old Municipal Well Data Compiled By: Mara Boulanger Compiled Date: 4/19/2019 2:47:55 PM													

OLD MUNICIPAL Well Data - the following data are from RAW HYDRO spreadsheets, and need to be processed accordingly.													
Well Search Reference	Name (s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
1			91 feet			8 inch	1921	Drilled	1939			*at the pumping station	
2			91 feet			8 inch	1921	Drilled	1939			*at the pumping station	
3			91 feet			8 inch	1921	Drilled	1939			*at the pumping station	
4			91 feet			8 inch	1921	Drilled	1939			*at the pumping station	
5			1921: 70 feet 1930: 72 feet		0-58 feet	8 inch	1921	Drilled	1939			*at the pumping station	
6			1921: 70 feet 1930: 72 feet		0-58 feet	8 inch	1921	Drilled	1939			*at the pumping station	
7			1921: 70 feet 1930: 72 feet		0-58 feet	8 inch	1921	Drilled	1939			*at the pumping station	
8						5 inch	1921	Drilled	1939				

OLD MUNICIPAL Well Data - the following data are from RAW HYDRO spreadsheets, and need to be processed accordingly.													
Well Search Reference	Name (s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
			105 feet		0-69 feet							*at the pumping station	
9			94 feet		0-74 feet	5 inch	1921	Drilled	1939			*at the pumping station	
10			95 feet		0-74 feet	5 inch	1921	Drilled	1939			*at the pumping station	
11			96 feet		0-74 feet	8 inch	1921	Drilled	1939			*at the pumping station	
12			97 feet		0-74 feet	8 inch	1921	Drilled	1939			*at the pumping station	
13			98 feet		0-74 feet	8 inch	1921	Drilled	1939			*at the pumping station	
14			99 feet		0-74 feet	8 inch	1921	Drilled	1939			*at the pumping station	
15			28 feet			40 feet	1930	Dug	1939			*at the pumping station	
16	Open Well #2		1930: 22 feet 1939: 30 feet			40 feet	1930	Dug	1939			*Vacated portion of Woodland Park Addition *Southwest portion of the city on the Mississippi flood plains * North and East of the main pumping station	
17	Well No. 1		104 feet			24 inch	1939	Drilled	1939			*Vacated portion of Woodland Park Addition *Southwest portion of the city on the Mississippi flood plains *400 feet south of the main pumpstation	
18	Well No. 2		120 feet				1939	Drilled	1939			*Vacated portion of Woodland Park Addition *Southwest portion of the city on the Mississippi	

OLD MUNICIPAL Well Data - the following data are from RAW HYDRO spreadsheets, and need to be processed accordingly.													
Well Search Reference	Name (s)	Unique Well Number	Drilled Depth (ft.)	Completed Depth (ft.)	Depth Cased (ft.)	Casing Diameter (in.)	Year Constructed	Construction Type	Year Out of Service	Sealing Record?	Year Sealed	Location Info	Comments
												flood plains *Drilled inside of an old dug well	
19	Well No. 3 (STILL IN USE)	232347 S*											
20	Well No. 4 (STILL IN USE)	232348 S*											
21	Well No. 5 (STILL IN USE)	232349 S*											
22	Well No. 6 (STILL IN USE)	232350 S*											
23	Well No. 7 (STILL IN USE)	403973 S*											
Databases Searched					Remarks								
Old Municipal Well Data Compiled By: Jim Walsh Compiled Date: 6/27/2005													

Source: MN Dep't. of Health - 4/19/2019

Use of MDH Public Water Supply Sources Report

The report you have received shows three classes of Public Water Supply wells:

- In Use (actively used)
- Removed From Flow (for back-up or emergency use; may be disconnected from PWS)
- **Old Municipal Wells (unused wells with no documented location, unique ID number, and/or well sealing record)**

Old Municipal Wells are unsealed, abandoned wells. These wells pose a risk of contamination to existing wells and aquifers. According to State Well Code and under the terms of your Wellhead Protection Plan, your PWS may need to identify, locate, and properly seal Old Municipal Wells within your Drinking Water Supply Management Area, to current MDH standards. While historical records may indicate that some of these wells were "capped", "abandoned", or "sealed" in the past, unless it can be shown that the sealing was performed to current standards, they may need to be located, cleaned out, and sealed properly with a well sealing record issued.

The report lists database references that were searched to compile the report. Under "Remarks" are notes and questions to help you with this process. State grant funding is available to help fund sealing of these old public water supply wells.

If you have questions, please talk to your MDH Planner or Hydrologist to address your PWS's specific issues. This report is not intended to be the "last word" on the status of Old Municipal Wells and your input will be critical in successfully finding and sealing these potential sources of contamination.

Restart

Brainerd

3/29/17

to

~~12/27/85~~

7/27/83

MINNESOTA STATE BOARD OF HEALTH
Division of Sanitation
REPORT ON WATER SUPPLY AT BRAINERD
March 29, 1917

Well A The public water supply is obtained from the Mississippi River and disinfected with liquid chlorine before being distributed to the consumers. Data relating to the system are contained in the reports of previous investigations by this Division. The last investigation was made on June 3, 1916. In the report of that investigation, attention was called to the fact that a liquid chlorine control device had been installed to replace the previous treatment with calcium hypochlorite. Owing to a scant supply of liquid chlorine, however, the hypochlorite treatment was again being used at that time.

The present investigation was undertaken to check up the liquid chlorine treatment as now being applied. It was found that some trouble is experienced with the chlorine meter, owing to the collection of moisture around the float indicator. A rough estimate is being kept of the supply of chemical that is used. A drum of approximately 100 pounds of chlorine is said to be consumed every seven days. This amounts to about 14 pounds of chlorine being applied to an average daily water pumpage of approximately 1,900,000 gallons. This rate of chemical addition results in an amount equal to .98 P. P. M. (parts per million) of chlorine entering the supply at this time. In order that the operation of the disinfecting treatment may be maintained on a better basis, it is suggested that a set of scales be obtained for weighing the chlorine drum at 12 hour intervals during the day, and that record sheet be maintained in the pumping station

MINNESOTA STATE BOARD OF HEALTH
Division of Sanitation
REPORT ON WATER SUPPLY OF BRAINERD.
May 24, 1921.

This water supply is obtained from fourteen drilled wells.

These wells are independently located in three groups.

Well B & C & D & E One of these groups consists of four, eight inch wells which have been drilled to a depth of ninety-one feet. The soil formation is sand and gravel. A fifteen foot screen is used on each of these wells.

Well F & G & H Three of the four wells in another group are seventy-two feet in depth and cased with eight inch pipe. The screens on these wells are twelve feet in length. **Well I** The fourth well of this group is 105 feet in depth and is cased with five inch pipe and equipped with a thirty-six foot screen.

Well J & K The third group of wells consists of two, five inch casings and four, eight inch casings which have been drilled to a depth of ninety-four feet. These wells have been drilled from the bottom of a deep well which is itself twenty-eight feet in depth. Screens on these wells are twenty feet in length.

Complete plans of this water supply system are on file with the Division of Sanitation of the State Board of Health (File H-7)

At the time of this investigation one of the ejector pumps installed for the purpose of removing waste water from the pump pit at the group two wells, was not in operation on account of the burning out, a few days previous, of the motor. A new motor has since been installed.

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation
REPORT ON THE WATER SUPPLY OF BRAINERD, MINNESOTA
July 31, 1928

This water supply is obtained from fourteen drilled wells in two groups Well B - O and Well P & O and two dug wells all located in the vicinity of the pumping station. The water is pumped to a low receiving concrete reservoir and from there to an elevated concrete tank from which it is distributed for public consumption. Data relative to this supply are contained in the reports of previous investigations made by this Division. This supply was last investigated on March 22, 1927. No changes have been made in the system which would affect the sanitary aspect of the supply, since that time. From a sanitary point of view, the supply is satisfactory.

Analytical Data: (See analytical sheet attached). Samples nos. 29535 to 29539, inclusive, represent water collected from the wells, pumping station, and various points on the distribution system. The bacteriological examination of these samples shows the water to be of good sanitary quality as evidenced by the very low bacterial counts and by the absence of organisms of the B. coli group in 50 c. c. amounts in all samples.

Conclusion.

The field survey showed conditions which were satisfactory from a sanitary point of view, and in the analytical results, indications of contamination were not found on this date. This water supply may be considered safe for public consumption with the usual reservations as stated on the attached sheet entitled "Information Relative to Cross Connections Between Safe and Unsafe, or Questionable Water Supplies".

J. E. Brownell
Sanitary Engineer

Approved: *W. H. Pittman*
Director

JG

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Report On Water Supply Of Brainerd, Minn.
October 7th, 1929

This supply is obtained from fourteen drilled wells in two groups, and two dug wells all located in the vicinity of the pumping station. Water is pumped to a low receiving concrete reservoir and from there to an elevated concrete tank located in the business section of town, from which it is distributed for public consumption. Data relative to this supply are contained in reports of previous investigations made by this Division. This supply was last investigated on July 31, 1928. No changes have been made in the system which would affect the sanitary aspect since that time.

Analytical Data: (See attached sheet) Samples Nos. 31812, 31813 and 31814 represent water collected from the pump station and various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the very low bacterial counts and the absence of organisms of the coli aerogenes group in 50 c.c. amounts.

Conclusion

The field survey showed conditions which were satisfactory from a sanitary point of view and in the analytical results indications of contamination were not found on this date. This water supply may be considered safe for public consumption with the usual reservations stated on the attached sheet entitled "Information Relative to Cross Connections Between Safe and Unsafe, or Questionable Water Supplies".

Approved: _____

Director

J. H. Rogers
Sanitary Engineer

EG

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Report on Water Supply of Brainerd, Minn.
May 3rd, 1930

This water supply is obtained from two groups of fourteen drilled wells and two dug wells, all located in the vicinity of the pump station. The water is pumped to a low receiving concrete reservoir of 800,000 gallons capacity, and from there into the distribution system. The overflow accumulates in an elevated concrete tank of 300,000 gallons capacity. Data concerning the wells are contained in the following table:

	No.	Casing:	Diam.:	Depth:
Well B - E & J - O				
Well Group No. 1	4	8-inch		91 ft.
	2	5-inch		94 ft.
	4	2-inch		94 ft.
Well F - I				
Well Group No. 2	3	8-inch		72 ft.
	1	5-inch		105 ft. (closed)
Well P				
Dug Well No. 1			40 ft.	28 ft.
Well Q				
Dug Well No. 2			40 ft.	22 ft.

Well groups Nos. 1 and 2 are equipped with motor-driven vertical centrifugal pumps with pumping capacities of 275 and 121 gallons-per-minute, respectively. The dug wells are equipped with motor-driven vertical turbines, No. 1 having a pumping capacity of 1,377 gallons-per-minute, and No. 2 having a capacity of 780 gallons-per-minute. There are also two motor-driven centrifugal service pumps in the station, each of 1,000 gallons-per-minute capacity, and two motor-driven centrifugal fire pumps having capacities of 1,000 gallons-per-minute each.

The distribution system consists of about 30.5 miles of water mains which supply water to 2,130 service connections and 125 fire hydrants. The average daily consumption of water is 700,000 gallons; a maximum of 1,000,000 gallons is reached in the summer time.

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Report on the Investigation of the Water Supply of
Brainerd, Minnesota
October 12, 1939

This water supply is obtained from four wells situated along the edge of the Mississippi Valley in the southwestern part of the city. Before being distributed for consumption, the water is treated for the removal of iron and manganese by aeration, contact with a catalytic bed, a coke bed and rapid sand filtration. The water from the plant discharges to a concrete reservoir. The water is pumped from this reservoir into the distribution system. The overflow from the distribution system collects in an elevated concrete tank.

Location of Source:

The wells are situated in the vacated portion of Woodland Park Addition. This addition is in the southwestern part of the city and wells are situated on a flood plain of the Mississippi River. A portion of this site has been flooded during high water level in the river. Filling operations are in progress to minimize the danger of flooding in the vicinity of the wells.

Wells, Pumps and Pumpstations:

Well R Well No. 1 is situated about 400 feet south of the main pumpstation. The well is 104 feet deep and is provided with a 24-inch iron casing. Water is drawn from the well by means of a deep-well pump of the turbine type which has a capacity of 1100 gallons per minute. The pumpstation floor is situated entirely above ground.

Well S Well No. 2 is a drilled well 120 feet deep and is inside of an old dug well. This well is situated just west of the main pumpstation. The dug well thus forms a pit around the drilled well. The dug well receives roof drainage from the pumphouse and the waste water from the pumpbase. There are two sewer lines which pass close to this well. One line which carries sanitary sewage from the toilet in the pumpstation is about three feet south of the old

dug well. The floor drainage from the main pumpstation is carried in a vitrified tile sewer just north of the dug well around the drilled well. Water is drawn from the drilled well by means of a deep-well pump of the turbine type which has a capacity of 1100 gallons per minute.

Well T Well No. 3 is situated south of the main pumpstation and about half-way between it and well No. 1. This well is 120 feet deep and is of the gravel packed type of construction. Water is drawn from this well by means of a deep-well pump of the turbine type which has a capacity of 1100 gallons per minute.

Well Q The fourth well is referred to as old open well No. 2 and is no longer used regularly, although it is considered as an emergency supply. This well is situated north and east of the main pumping station. This is a dug well about 30 feet deep and 40 feet in diameter. The well curbing and cover is constructed of reinforced concrete. Water is drawn from this well by means of a vertical centrifugal pump which has a capacity of 700 gallons per minute.

The main pumpstation houses the booster pumps which draw water from the low receiving reservoir and discharge it into the distribution system. There are four pumps of the horizontal centrifugal type and each has a capacity of 1000 gallons per minute. The pumpstation floor is situated above ground but the suction piping is laid in channels below the pumproom floor and they are therefore subject to flooding.

Treatment Plant:

Water from the various wells is discharged to a treatment plant which is designed to remove iron and manganese from the water. In the first unit of the treatment the water flows upward through a catalytic contact bed of pyrolusite ore. The effluent from the catalytic bed flows onto aerator pans. These pans or trays have numerous holes drilled through the bottom and water flows through.

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Sanitation Rating of Brainerd Water Supply

Owner Municipal Date Aug. 31, 1944

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Bacteriological safety)	30	23		
Adequacy of treatment)				
Physical quality	2	2		
Chemical quality	4	3		
Biological quality	2	2		
Adequacy of quantity	2	2		
Sub-total	40			
Penalty deducted	0			
Total	40	32	40	
(B) Prime Moving Equipment				
Well or intake	8	7		
Pumps	7	7		
Piping arrangement	5	2		
Reservoirs	7	7		
Equipment housing	3	2		
Sub-total	30			
Penalty deducted	0			
Total	30	25	27	
(C) Distribution System				
Street mains	5	2		
Building services	2	2		
Plumbing	3	3		
Hydrants	1	1		
Storage	4	4		
Pressure	2	2		
Tap-water quality	3	3		
Sub-total	30			
Penalty deducted	0			
Total	20	17	18	
(D) Operation and Operators				
Control of plant	5	4		
Condition of plant	3	2		
Training and experience	2	1		
Sub-total	10			
Penalty deducted	0			
Total	10	7	9	
GRAND TOTAL AND RATING	100	63	94	

Grade A: Ratings from 90 and upward. Indicates a high degree of safety.

Grade B: Ratings from 80 to 90. Indicates a reasonable degree of protection

Grade C: Ratings from 70 to 80. Indicates that there are serious hazards in the supply that demand attention. Any grade below "C" portrays a dangerous condition of the supply from which serious consequences can develop. Emergency measures for immediate

protection of the supply are recommended under these circumstances and prompt action should be taken to provide a permanent remedy of the defects.

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Report on Investigation of Water Supply
at Brainerd, Minnesota
August 28, 1945

The public water supply for this city is obtained from three drilled wells. The water from two wells is passed through a treatment plant which removes manganese by means of a catalytic contact bed and iron by means of aeration and filtration through sand. The treated water flows into a low level reservoir from which it is pumped to the distribution system while the overflow collects in an elevated concrete tank. Water from the third well generally by-passes the treatment plant.

Previous Investigation:

Data relative to this supply are contained in the reports of previous investigations made by this Division. The last investigation was undertaken August 31, 1944 at which time the sanitary aspect of the supply was considered unsatisfactory.

Well U In 1944 a new well was constructed to replace the old No. 4 well. This well is drilled to a depth of 120 feet and is cased with 16-inch iron pipe throughout its entire depth. A 48-foot screen is provided. The well is gravel packed and has an outer casing 24-inches in diameter. Water is drawn from the well by means of a vertical turbine pump having a rated capacity of 1,000 gallons per minute.

Summary of Sanitary Defects:

1. The suction piping in the main pumping station lies in channels below the pumproom floor which are subject to flooding.
2. The sanitary and waste-water sewers from the pumping station lie too close to well No. 2.
3. The fill west of the new well No. 4 permits marsh water to approach too close to the well.

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Sanitation Rating of Brainerd Water Supply

Owner Municipality Date August 28, 1945

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Bacteriological safety)				
Adequacy of treatment)	30	21		
Physical quality	2	2		
Chemical quality	4	3		
Biological quality	2	2		
Adequacy of quantity	2	2		
Sub-total	40			
Penalty deducted	0			
Total	40	30	40	
(B) Prime Moving Equipment				
Well or intake	8	7		
Pumps	7	7		
Piping arrangement	5	2		
Reservoirs	7	7		
Equipment housing	3	2		
Sub-total	30			
Penalty deducted	0			
Total	30	25	27	
(C) Distribution System				
Street mains	5	2		
Building services	2	2		
Plumbing	3	3		
Hydrants	1	1		
Storage	4	4		
Pressure	2	2		
Tap-water quality	3	3		
Sub-total	20			
Penalty deducted	0			
Total	20	17	18	
(D) Operation and Operators				
Control of plant	5	4		
Condition of plant	3	2		
Training and experience	2	1		
Sub-total	10			
Penalty deducted	0			
Total	10	7	9	
GRAND TOTAL AND RATING	100	79	94	

Grade A: Ratings from 90 and upward. Indicates a high degree of safety.

Grade B: Ratings from 80 to 90. Indicates a reasonable degree of protection

Grade C: Ratings from 70 to 80. Indicates that there are serious hazards in the supply that demand attention. Any grade below "C" portrays a dangerous condition of the supply from which serious consequences can develop. Emergency measures for immediate protection of the supply are recommended under these circumstances and prompt action

MINNESOTA DEPARTMENT OF HEALTH
Division of Sanitation

Sanitation Rating of Municipal Water Supply

Owner Brainerd Date December 19, 1946

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Bacteriological safety)				
Adequacy of treatment)	30	20		
Physical quality	2	2		
Chemical quality	4	3		
Biological quality	2	2		
Adequacy of quantity	2	2		
Sub-total	40			
Hazard adjustment factor deducted	0			
Total	40	29		
(B) Prime Moving Equipment				
Well or intake	8	7		
Pumps	7	5		
Piping arrangement	5	4		
Reservoirs	7	5		
Equipment housing	3	2		
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	23		
(C) Distribution System				
Street mains	5	3		
Building services	2	2		
Plumbing	3	3		
Hydrants	1	1		
Storage	4	4		
Pressure	2	2		
Tap-water quality	3	3		
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	18		
(D) Operation and Operators				
Control of plant	5	4		
Condition of plant	3	2		
Training and experience	2	1		
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	6		
GRAND TOTAL AND RATING	100	76		

Grade A: Ratings from 90 and upward. Indicates a high degree of safety.

Grade B: Ratings from 80 to 90. Indicates a reasonable degree of protection

Grade C: Ratings from 70 to 80. Indicates that there are serious hazards in the supply that demand attention. Any grade below "C" portrays a dangerous condition of the supply from which serious consequences can develop. Emergency measures for immediate protection of the supply are recommended under these circumstances and prompt action

MINNESOTA DEPARTMENT OF HEALTH
Division of Water Supply and Plumbing

Sanitation Rating of Municipal Water Supply

Owner Brainerd Date November 25, 1947

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Bacteriological safety)				
Adequacy of treatment)	30	22	30	1a
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	31	40	
Hazard adjustment factor deducted	0	2	0	5
Total	40	29	40	
(B) Prime Moving Equipment				
Well or intake	8	7	8	3a
Pumps	7	6	7	2a, 3a
Piping arrangement	5	4	5	4
Reservoirs	7	7	7	
Equipment housing	3	2	3	1b, 2b
Sub-total	30	26	30	
Hazard adjustment factor deducted	0			
Total	30	26	30	
(C) Distribution System				
Street mains	5	3	4	6,7
Building services	2	1½	1½	
Plumbing	3	1½	2½	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap-water quality	3	3	3	
Sub-total	20	16	18	
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	5	4	4	
Condition of system	3	2	2	
Training and experience	2	1	1	
Sub-total	10	7	7	
Hazard adjustment factor deducted	0			
Total	10	7	7	
GRAND TOTAL AND RATING	100	78	95	

Grade A: Ratings from 90 and upward. Indicates a high degree of safety.

Grade B: Ratings from 80 to 90. Indicates a reasonable degree of protection.

Grade C: Ratings from 70 to 80. Indicates that there are serious hazards in the supply that demand attention. Any grade below "C" portrays a dangerous condition of the supply from which serious consequences can develop. Emergency measures for immediate protection of the supply are recommended under these circumstances and prompt action

MINNESOTA DEPARTMENT OF HEALTH
Division of Municipal Water Supply

Report on Water Supply of
Brainerd, Minnesota
September 13, 1948

1. Ownership - Municipal
2. Date of Last Investigation - November 25, 1947
3. Changes Since Last Investigation -

a. A duplicate water treatment plant for the removal of iron and manganese has been completed but not as yet placed in service.

Well V & W Wells No. 5 and 6 have been installed. However, the pumps, connecting main, and housing have not been made to date.

4. Analytical Data -

Samples Nos. 93190, 93191, 93192, 93193, and 93194 represent water collected from well No. 2 and from various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that organisms of the coliform group were not found in 100 ml. portions of the samples examined.

The physical examination of sample No. 93223 showed a water with very low turbidity and very low color. The chemical examination showed a hard water with a trace of iron content. Manganese was not found.

5. Recommendations -

1. Well No. 2

a. The waste-water and sanitary sewers should be relocated at least forty feet from well No. 2 when constructed of extra heavy cast-iron pipe with tested water-tight joints. Sanitary wastes should not be discharged to the river without proper treatment. See paragraph 408-C of Section IV of the Manual of Water Supply Sanitation.

b. The door of the well house should be rehung to open outward to facilitate rapid drainage in case of accidental flooding of the pump-

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF WATER SUPPLY AND PLUMBING

Sanitation Rating of Municipal Water Supply

Owner Brainerd Date September 13, 1948

	Perfect Score	As Found	As Recommended	See Recommendation No. in Attached Report
(A) Source				
Sanitary Safety	30	22	30	1a, 1c
Adequacy of treatment				
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	31	40	
Hazard adjustment factor deducted	0	2	0	8
Total	40	29	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	6	7	2a, 3a
Piping arrangement	5	4	5	7
Reservoirs	7	5	7	5, 6
Equipment housing	3	1	3	1b, 2b, 4
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	24	30	
(C) Distribution System				
Street mains	5	3	4	9, 10
Building services	2	1½	1½	
Plumbing	3	1½	2½	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	5	4	4	
Condition of system	3	2	2	
Training and experience	2	1	1	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	7	7	
GRAND TOTAL AND RATING	100	76	95	

Grade A: 90 and upward -- high degree of safety.

Grade B: 85 to 89 -- moderately high degree of safety.

Grade C: 80 to 84 -- moderately safe -- improvement needed.

Grade D: 70 to 79 -- low degree of safety -- improvement urgent.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF WATER SUPPLY AND PLUMBING

Sanitation Rating of Municipal Water Supply

Owner Brainerd Date September 7, 1949

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment }	30	22	30	A1, A2
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	31	40	
Hazard adjustment factor deducted	0	2	0	H
Total	40	29	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	6	7	B
Piping arrangement	5	4	5	G
Reservoirs	7	5	7	E, F
Equipment housing	3	2	3	13, D
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	25	30	
(C) Distribution System				
Street mains	5	3	4	I, J
Building services	2	1½	1½	
Plumbing	3	1½	2½	K
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	5	5	5	
Condition of system	3	3	3	
Training and experience	2	1	1	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	9	
GRAND TOTAL AND RATING	100	79	97	

Grade A: 90 and upward - high degree of safety.

Grade B: 85 to 89 - moderately high degree of safety.

Grade C: 80 to 84 - improvement needed.

Grade D: 70 to 79 - improvement urgent.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF WATER SUPPLY AND PLUMBING

Sanitation Rating of Municipal Water Supply

Owner Brainerd

Date September 21, 1950

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment	30	25	30	additional fill & dyke work
Physical quality	2	2	2	
Chemical quality	4	3	4	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	34		
Hazard adjustment factor deducted	0	2	0	chlorination
Total	40	32	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	pipe channels reservoir overflow
Pumps	7	7	7	
Piping arrangement	5	4	5	
Reservoirs	7	5	7	
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	29	30	
(C) Distribution System				
Street mains	5	3	4	
Building services	2	1½	1½	
Plumbing	3	1½	2½	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	5	5	5	
Condition of system	3	3	3	
Training and experience	2	1	1	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	9	
GRAND TOTAL AND RATING	100	85	97	

Grade A: 90 and upward - high degree of safety.

Grade B: 85 to 89 - moderately high degree of safety.

Grade C: 80 to 84 - improvement needed.

Grade D: 70 to 79 - improvement urgent.

Grade E: 65 and lower - very dangerous condition, emergency measures recommended.

MINNESOTA DEPARTMENT OF HEALTH
DIVISION OF MUNICIPAL WATER SUPPLY

Sanitation Rating of Municipal Water Supply

Owner Brainerd Date November 1, 1951

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	30	26	30	Additional fill & dyke work
Adequacy of treatment				
Physical quality				
Chemical quality				
Biological quality				
Adequacy of quantity				
Sub-total	40	35		
Hazard adjustment factor deducted	0	3	0	chlorinator
Total	40	32	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	pipe channels in pump station reservoir overflow
Pumps	7	7	7	
Piping arrangement	5	4	5	
Reservoirs	7	6	7	
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	
Building services	2	1½	1½	
Plumbing	3	1½	2½	
Hydrants	1	4	4	
Storage	4	2	2	
Pressure	2	3	3	
Tap water quality	3			
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	5	5	5	
Condition of system	3	3	3	
Training and experience	2	1	1	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	9	
GRAND TOTAL AND RATING	100	85	97	

Grade A: 90 and upward - high degree of safety.

Grade B: 85 to 89 - moderately high degree of safety.

Grade C: 70 to 84 - poor to dangerous condition.

Grade D: 60 and lower - very dangerous condition, emergency measures recommended.

MINNESOTA DEPARTMENT OF HEALTH

DIVISION OF MUNICIPAL WATER SUPPLY

Sanitation Rating of Municipal Water Supply

Owner Brainerd Date September 15, 1952

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment	30	28	30	dike work
Physical quality	2	2	2	
Chemical quality	4	3	4	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	37		
Hazard adjustment factor deducted	0	3	0	chlorinator
Total	40			
(B) Prime Moving Equipment				
Well or intake	8	8	8	Pipe channels in pump station Reservoir overflow
Pumps	7	7	7	
Piping arrangement	5	4	5	
Reservoirs	7	6	7	
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	e.
Building services	2	1½	1½	
Plumbing	3	1½	2½	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	4	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	9	
GRAND TOTAL AND RATING	100	87	97	

Grade A: 90 and upward - high degree of safety.

Grade B: 85 to 89 - moderately high degree of safety.

Grade C: 70 to 84 - poor to dangerous condition.

Grade D: 60 and lower - very dangerous condition, emergency measures recommended.

MINNESOTA DEPARTMENT OF HEALTH

Section of Municipal Water Supply

Sanitation Safety Rating of Braintree Water Supply

Date June 16, 1953

	Perfect Score	As Found	As Recommended	See Recommendation No. in Attached Report
(A) Source				
Sanitary Safety	20	18	20	a. (dike work)
Adequacy of treatment	10	10	10	
Bacteriological Quality	2	2	2	
Physical quality	4	3	4	softening
Chemical quality	2	2	2	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	37	40	
Hazard adjustment factor deducted	0	3	0	b.
Total	40	34	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	pipe channels in pump stn.
Reservoirs	7	6	7	d.
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	e.
Building services	2	1 1/2	1 1/2	
Plumbing	3	1 1/2	1 1/2	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	2 1/2	3	bacteriological history
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	15 1/2	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	4	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	9	
GRAND TOTAL AND RATING	100	86 1/2	97	

MINNESOTA DEPARTMENT OF HEALTH

Section of Municipal Water Supply

Sanitation Safety Rating of Brainerd Water Supply

Date June 16, 1953

	Perfect Score	As Found	As Recommended	See Recommendation No. in Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment }	20	18	20	a. (dike work)
Bacteriological Quality	10	10	10	
Physical quality	2	2	2	
Chemical quality	4	3	4	softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	37	40	
Hazard adjustment factor deducted	0	3	0	b.
Total	40	34	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	pipe channels in pump stn.
Reservoirs	7	6	7	d.
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	e.
Building services	2	1	1	
Plumbing	3	1	1	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	2	3	Bacteriological history
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	15	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	4	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	9	
GRAND TOTAL AND RATING	100	66	97	

MINNESOTA DEPARTMENT OF HEALTH
District VIII
Little Falls, Minnesota

Report of Investigation of Water Supply of
Brainerd, Minnesota
May 14, 1956

1. Date of Last Investigation - May 16, 1955
2. Rating at Last Investigation - 88
3. Changes since Last Investigation -

Well X

a. A new 20-inch diameter gravel-packed well 150 feet in depth has been drilled approximately 200 feet south of Well No. 5. A well screen 60 feet in length is provided. The static water level is reported to be 15 feet below the ground surface. Pumping equipment, connecting main and pumphouse have not been installed.

b. The new water main bridge crossing to West Brainerd is under construction.

c. A number of water main extensions have been installed. Details relative to location, construction, size and total length were not available at the time of this investigation. As far as could be determined, plans and specifications covering the extensions were not submitted for review in accordance with Regulation 200 of the State Board of Health.

4. Analytical Data (See attached sheet)

Samples Nos. 6006 through 6009 and 6011 through 6015 represent water collected from the wells and various points on the distribution system. The bacteriological examination of these samples showed the water to be of good sanitary quality as evidenced by the fact that coliform organisms were not found in the portions of the samples examined.

Sample No. 6010 represents water collected from a point on the distribution system. The bacteriological examination of this sample showed indications of contamination in the water as evidenced by the fact that organisms of the coliform group were found in the portions of the samples examined. There indications of

MINNESOTA DEPARTMENT OF HEALTH

Section of Municipal Water Supply

Sanitation Safety Rating of Brainerd Water Supply

Date May 14, 1956

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	a, b.
Adequacy of treatment	10	10	10	
Bacteriological Quality	2	2	2	
Physical quality	4	3	4	softening
Chemical quality	2	2	2	
Biological quality	2	2	2	
Adequacy of quantity	40	38	40	
Sub-total	0	3	0	a.
Hazard adjustment factor deducted	40	35	40	
Total				
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	pipe channels in pump sta.
Reservoirs	7	6	7	c.
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	d.
Building services	2	1 1/2	1 1/2	
Plumbing	3	1 1/2	1 1/2	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	2	3	coliform-free samples
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	15	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	5	Operators' School
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	10	
GRAND TOTAL AND RATING	100	87	98	

90 and upward - high degree of safety. Watchful maintenance needed.

85 to 89 - moderately high degree of safety. Correction and maintenance program continued. Page 603 of 684

MINNESOTA DEPARTMENT OF HEALTH

Section of Municipal Water Supply

Sanitation Safety Rating of Trainor

Water Supply

Date Mar 22, 1957

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	a, b.
Adequacy of treatment	10	10	10	
Bacteriological Quality	2	2	2	
Physical quality	4	3	4	softening
Chemical quality	2	2	2	
Biological quality	2	2	2	
Adequacy of quantity	40	38	40	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	a.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	pipe channels in pump sta.
Reservoirs	7	6	7	
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	d.
Building services	2	1	1	
Plumbing	3	1	2	Plumbing Code
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	2	3	coliform-free samples
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	15	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	5	Operators' School
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	10	
GRAND TOTAL AND RATING	100	87	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Municipal Water Supply

Sanitation Safety Rating of Brainerd

Water Supply

Date May 14, 1958

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	a, b.
Adequacy of treatment				
Bacteriological Quality	10	10	10	
Physical quality	2	2	2	
Chemical quality	4	3	4	softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	a.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	pipe channels in pump
Reservoirs	7	6	7	c. station
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	d.
Building services	2	1½	1½	
Plumbing	3	1½	2½	Plumbing Code
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	2	3	e.
Condition of system	2	2	2	
Operator qualifications	5	4	5	Operators' School
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	8	10	
GRAND TOTAL AND RATING	100	87	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Brainard Water Supply

Date April 22, 1959

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	1, 2. softening.
Adequacy of treatment	10	10	10	
Bacteriological Quality	2	2	2	
Physical quality	4	3	4	
Chemical quality	2	2	2	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	1.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	pipe channels in pump station. 3. 4.
Pumps	7	7	7	
Piping arrangement	5	4	5	
Reservoirs	7	6	7	
Equipment housing	3	2	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	27	30	
(C) Distribution System				
Street mains	5	3	4 $\frac{1}{2}$	5. Plumbing Code.
Building services	2	1 $\frac{1}{2}$	1 $\frac{1}{2}$	
Plumbing	3	1 $\frac{1}{2}$	2 $\frac{1}{2}$	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	2	3	6. Operators' school
Condition of system	2	2	2	
Operator qualifications	5	4	5	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	8	10	
GRAND TOTAL AND RATING	100	86	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Peabody Municipal Water Supply

Date May 11, 1960

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } 20	20	19	20	1, 2.
Adequacy of treatment }				
Bacteriological Quality 10	10	10	10	
Physical quality 2	2	2	2	
Chemical quality 4	4	3	4	softening.
Biological quality 2	2	2	2	
Adequacy of quantity 2	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted 0	0	38	40	1.
Total	40	38	40	
(B) Prime Moving Equipment				
Well or intake 8	8	8	8	
Pumps 7	7	7	7	
Piping arrangement 5	5	4	5	pipe channels in pump station.
Reservoirs 7	7	6	7	3.
Equipment housing 3	3	2	3	4.
Sub-total	30			
Hazard adjustment factor deducted 0	0			
Total	30	27	30	
(C) Distribution System				
Street mains 5	5	3	4	5.
Building services 2	2	1	1	
Plumbing 3	3	1	2	Plumbing Code.
Hydrants 1	1	1	1	
Storage 4	4	4	4	
Pressure 2	2	2	2	
Tap water quality 3	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted 0	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system 3	3	2	3	6.
Condition of system 2	2	2	2	
Operator qualifications 5	5	4	5	7.
Sub-total	10			
Hazard adjustment factor deducted 0	0			
Total	10	8	10	
GRAND TOTAL AND RATING	100	86	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Brainerd Municipal Water Supply

Date May 23, 1961

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment	20	19	20	1, 2.
Bacteriological Quality	10	10	10	
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening.
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	1.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	pipe channels in pump station.
Reservoirs	7	6	7	
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	4.
Building services	2	1½	1½	
Plumbing	3	1½	2½	5.
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	2	3	6.
Condition of system	2	2	2	
Operator qualifications	5	4	5	7.
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	8	10	
GRAND TOTAL AND RATING	100	87	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Brainerd Municipal Water Supply

Date April 25, 1962

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	1, 2.
Adequacy of treatment				
Bacteriological Quality	10	10	10	
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening.
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	1.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	Pipe channels in pump station.
Reservoirs	7	6	7	3.
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	4.
Building services	2	1½	1½	
Plumbing	3	1½	2½	5.
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	2	3	6.
Condition of system	2	2	2	
Operator qualifications	5	4	5	7.
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	8	10	
GRAND TOTAL AND RATING	100	87	98	

90 and upward - high degree of safety. Watchful maintenance needed.

85 to 89 - moderately high degree of safety. Correction and maintenance program continued.

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of **Brainerd Municipal**

Water Supply

Date May 13, 1964

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment	20	19	20	1, 2.
Bacteriological Quality	10	10	10	
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	1.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	3	Pipe channels in pump station.
Reservoirs	7	6	7	3.
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	4.
Building services	2	1 1/2	1 1/2	
Plumbing	3	1 1/2	2 1/2	5.
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	5	6.
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	10	
GRAND TOTAL AND RATING	100	88	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Brainerd Municipal Water Supply

Date May 4, 1966

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } Adequacy of treatment }	20	19	20	1, 2.
Bacteriological Quality	10	10	10	
Physical quality	2	2	2	
Chemical quality	4	3	4	Softening
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	3	0	1.
Total	40	35	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	
Pumps	7	7	7	
Piping arrangement	5	4	5	Pipe channels in pump station.
Reservoirs	7	7	7	
Equipment housing	3	2	3	3.
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	4.
Building services	2	1½	1½	
Plumbing	3	1½	2½	5.
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	3	3	
Condition of system	2	2	2	
Operator qualifications	5	4	5	6.
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	10	
GRAND TOTAL AND RATING	100	88	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Brainerd Municipal Water Supply

Date May 16 & 18, 1967

	Perfect Score	As Found	As Recommended	See Recommendation No. in Attached Report
(A) Source				
Sanitary Safety	20	19	20	1, 2. Softening
Adequacy of treatment	10	10	10	
Bacteriological Quality	2	2	2	
Physical quality	4	3	4	
Chemical quality	2	2	2	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	2	0	1.
Total	40	36	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	3. 4.
Pumps	7	7	7	
Piping arrangement	5	5	5	
Reservoirs	7	6	7	
Equipment housing	3	2	3	
Sub-total	30	28	30	
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	5.
Building services	2	1½	1½	
Plumbing	3	1½	2½	6.
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20	16	18	
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	2½	3	7.
Condition of system	2	2	2	8.
Operator qualifications	5	4	5	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	8½	10	
GRAND TOTAL AND RATING	100	88½	98	

90 and upward - high degree of safety. Watchful maintenance needed.

85 to 89 - moderately high degree of safety. Correction and maintenance program continued. Page 612 of 684

70 to 84 - near to dangerous condition. Prompt corrective action urgently needed.

generally along a line adjacent to the bluff east of the well field area.

Basic information available on the well sources is as follows:

	Well T	Well U	Well V	Well W	Well X
Well No.	3	4	5	6	7
Installed (date)	1938	1944	1947	1947	1955
Diameter (inches)	16	16	16	16	20
Depth (feet)	120	120	150	145	150
Screen Length (feet)	60	60	60	63	77
Pump Capacity (gpm)	1100	1200	1400	1400	2300
Static Water Level	15'	15'	15'	15'	15'

As far as could be determined the well casings project upward into the pumpbases at least one inch. The casing and discharge air relief vents are of a satisfactory design. Openings for draw-down gauge connections to the pumpbases are adequately protected.

The pumpbase floors are above grade and the pumpbase doors are installed to open outward. With the exception of Well No. 7 which has a 6-inch door sill, no door sills are installed. The pumpbase floor drains are reported to be of cast-iron construction with discharge to leaching pits located at least 30 feet from the wells.

Treatment

The wells discharge to the treatment plant through a common buried discharge pipe. A blow-off line is installed on the well discharge line and extends through the dike to the adjacent low-lying area. The blow-off pipe may be subject to occasional flooding of the low area during high water periods. The well discharge line normally is under continuous positive head from the pyrolumite contact basins during operation and by the backwash storage tank during the backwash cycle.

The raw water is subjected to iron-manganese removal at a facility

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of **Brainard Municipal**

Water Supply

Date September 23, 1970

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety } 20	20	19	20	1, 2.
Adequacy of treatment }				
Bacteriological Quality 10	10	10	10	
Physical quality 2	2	2	2	
Chemical quality 4	4	3	4	Softening
Biological quality 2	2	2	2	
Adequacy of quantity 2	2	2	2	
Sub-total 40	40	38	40	
Hazard adjustment factor deducted 0	0	5	0	1, 3
Total 40	40	33	40	
(B) Prime Moving Equipment				
Well or intake 8	8	8	8	
Pumps 7	7	7	7	
Piping arrangement 5	5	5	5	
Reservoirs 7	7	6	7	4
Equipment housing 3	3	2	3	5
Sub-total 30	30			
Hazard adjustment factor deducted 0	0			
Total 30	30	28	30	
(C) Distribution System				
Street mains 5	5	3	4	6, 7
Building services 2	2	1 1/2	1 1/2	8
Plumbing 3	3	1 1/2	2 1/2	9
Hydrants 1	1	1	1	
Storage 4	4	4	4	
Pressure 2	2	2	2	
Tap water quality 3	3	3	3	
Sub-total 20	20			
Hazard adjustment factor deducted 0	0			
Total 20	20	16	18	
(D) Operation and Operators				
Control of system 3	3	3	3	10
Condition of system 2	2	2	2	
Operator qualifications 5	5	4	5	11, Certification
Sub-total 10	10			
Hazard adjustment factor deducted 0	0			
Total 10	10	9	10	
GRAND TOTAL AND RATING 100	100	86	98	

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of **Brainerd Municipal**

Water Supply

Date **September 22 - 23, 1971**

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	1, 2.
Adequacy of treatment				
Bacteriological Quality	10	10	10	Softening
Physical quality	2	2	2	
Chemical quality	4	3	4	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	36	40	
Hazard adjustment factor deducted	0	5	0	1, 3.
Total	40	33	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	4
Pumps	7	7	7	
Piping arrangement	5	5	5	
Reservoirs	7	6	7	
Equipment housing	3	2	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	28	30	
(C) Distribution System				
Street mains	5	3	4	6, 7. 8 9
Building services	2	1½	1½	
Plumbing	3	1½	2½	
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	16	18	
(D) Operation and Operators				
Control of system	3	3	3	10
Condition of system	2	2	2	
Operator qualifications	5	4	5	11
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	10	
GRAND TOTAL AND RATING	100	86	98	

90 and upward - high degree of safety. Watchful maintenance needed.

85 to 89 - moderately high degree of safety. Correction and maintenance program continued.

REPORT ON INVESTIGATION OF PUBLIC WATER SUPPLY

Name of Water Supply Brainerd Municipal Water Supply				PWS ID Number 1180002	
Street P.O. Box 373				Telephone Numbers: City: 218-829-2586 (Clerk) Operator: 218-828-1066 (Res.) Engineer: 218-828-1919 (Supt.) Other: 218-829-2193 (Util.)	
City Brainerd		State MN	Zip Code 56401		
County	District				

Water Superintendent Larry Paulson	Classification B	Plant Classification C	Owner Type
Other Operators	Classification	Plant Type Community	Plumbing Permits and Inspections Required ☒ Yes ☐ No
		Date of Previous Survey August 16, 1978	Date of Survey December 27, 1979 February 20, 1980
		City Engineer	

SERVICE AREA CHARACTERISTICS:

☒ Municipal	☐ School or College	☐ Recreation Area
☐ Mobile Home Park	☐ Hotel/Motel	☐ Campground
☐ Company Town	☐ Resort	☐ Housing Development
☐ Institution	☐ Restaurant	☐ Other _____

Population Served 11,600	Service Connections 4100	Storage Capacity: (List Separately)
Design Capacity (gal/day)	Average Daily Production (gal/day) 2,600,000	Elev. tank 1,000,000 gal. " " 600,000 gal.
Emergency Capacity (gal/day)	Highest Daily Production (gal/day) 4,250,000	Low Reservoir 1,000,000 gal. 800,000 gal. Total: 3,400,000 gallons

[illegible]

Remarks:

**Under repair

***Out of service - this date

*After Ac, water flow through coke filters before Fl.

Surveyed by:

~~A. D.~~ Ştarin

Approved by _____

Roman J. Koch

MINNESOTA DEPARTMENT OF HEALTH

Section of Water Supply and General Engineering

Sanitation Safety Rating of Brainerd Municipal

Water Supply

Date December 27, 1980

	Perfect Score	As Found	As Recommended	See Recommendation No. In Attached Report
(A) Source				
Sanitary Safety	20	19	20	1, 2, 3.
Adequacy of treatment				
Bacteriological Quality	10	10	10	Softening
Physical quality	2	2	2	
Chemical quality	4	3	4	
Biological quality	2	2	2	
Adequacy of quantity	2	2	2	
Sub-total	40	38	40	
Hazard adjustment factor deducted	0	5	0	1, 4.
Total	40	33	40	
(B) Prime Moving Equipment				
Well or intake	8	8	8	10.
Pumps	7	7	7	
Piping arrangement	5	4	5	
Reservoirs	7	7	7	
Equipment housing	3	3	3	
Sub-total	30			
Hazard adjustment factor deducted	0			
Total	30	29	30	
(C) Distribution System				
Street mains	5	4	4.5	5.
Building services	2	1.5	1.5	6.
Plumbing	3	1.5	2.5	7.
Hydrants	1	1	1	
Storage	4	4	4	
Pressure	2	2	2	
Tap water quality	3	3	3	
Sub-total	20			
Hazard adjustment factor deducted	0			
Total	20	17	18	
(D) Operation and Operators				
Control of system	3	2	3	8, 9, 10, 11.
Condition of system	2	2	2	
Operator qualifications	5	5	5	
Sub-total	10			
Hazard adjustment factor deducted	0			
Total	10	9	10	
GRAND TOTAL AND RATING	100	88	98	

90 and upward - high degree of safety. Watchful maintenance needed.

85 to 90 - moderately high degree of safety. Correction and maintenance program continued.

70 to 84 - high to dangerous condition. Prompt corrective action urgently needed.

ELEVENTH BIENNIAL REPORT

OF THE

Minnesota

★State Dairy and Food Commissioner

TRANSMITTED TO THE LEGISLATURE

1907

1907
HARRISON & SMITH CO.,
MINNEAPOLIS

CHISAGO COUNTY.

Chisago City Co-operative Creamery.....	Chisago City	L. A. Anderson.....	Chisago City	J. A. Peterson.....	Chisago City
The Shafer Co-operative Creamery.....	Shafer	S. Swanson	Shafer, R. F. D.	C. E. Kendall.....	Shafer.
The Farmers Creamery Co.....	Shafer	F. A. Porter.....	Center City	O. Esker	Shafer.
Lindstrom Creamery Co.....	Lindstrom	L. J. Anderson.....	Lindstrom	F. A. Peterson.....	Lindstrom.
South Side Creamery	Wyoming	J. H. Sowers.....	Wyoming	J. H. Sowers.....	Wyoming.
Rush City Creamery Co.....	Rush City	A. W. Carlson.....	Rush City	A. W. Carlson.....	Rush City.
Almelund Co-operative Creamery Co.....	Shafer	John Almquist.....	Taylor's Falls	E. O. Bloomquist.....	Almelund.
Palmdale Co-operative Creamery Co.....	Taylor's Falls	L. J. Klinke.....	Palmdale	Otto Holf	Palmdale.
Kost Creamery Co.....	North Branch	P. Farsje	North Branch	Erhard Lindblad	Kost.
Stark Creamery Co.....	Harris	A. R. Hamnergren.....	Stark	W. V. Almquist.....	Stark.
Rush Point Creamery.....	Grandy	A. P. Almquist.....	Rush City, R. R.	A. P. Almquist.....	Rush City, R. F. D.
Danewood	Danewood .....	.....	.....	.....	.....
Spring Lake Co-operative Creamery Co.....	North Branch .....	.....	.....	.....	.....

CLAY COUNTY.

Ulen Creamery	Ulen	Fred Kelly	Ulen .....	.....	.....
Barnesville Co-operative	Barnesville, R. 7.	N. Nelson	Barnesville .....	.....	.....
Farmers Co-operative Creamery.....	Hawley	N. J. Jerald	Hawley	M. C. Mattland.....	Hawley.

CLEARWATER COUNTY.

Meadows Co-operative Creamery.....	Beroun	P. J. Espeseth.....	Beroun	R. A. Nelson.....	Beroun.
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COTTONWOOD COUNTY.

Bingham Lake Creamery.....	Bingham Lake	H. E. Hakes.....	Bingham Lake	C. J. Hakes.....	Bingham Lake.
Highwater Creamery Co.....	Lamberton	L. O. Iverson.....	Lamberton, R.R. 2.	A. T. Sunde.....	Lamberton, R.R. 2.
Windom Creamery Co.....	Windom	M. Perkins	Windom	S. Sorrenson	Windom.
Rose Creamery	Westbrook	S. Norun	Westbrook	John Grosser	Westbrook.
Delft Creamery	Westbrook	Berndt Klassen	Delft	Fred Rasmussen.....	Delft.
Westbrook Creamery Association.....	Westbrook	Jens C. Hanson	Westbrook	Nels Hanson .....	.....
Storden	Storden	W. R. Port.....	Storden	W. R. Port.....	Storden.

CROW WING COUNTY.

Rose Creamery Co.....	Brainerd	F. J. Wolpert.....	Brainerd, Route 1.	F. Kelley	Brainerd.
Carlson & Oberg	Deerwood .....	.....	.....	.....	.....
Brainerd Creamery	Brainerd	B. Armstrong	Brainerd	B. Armstrong	Brainerd.
Midland Creamery Co.....	Neutral .....	.....	.....	.....	.....
Maple Grove Creamery.....	Brainerd	Carl E. Carlson.....	Brainerd Route 1.	Axel L. Anderson.....	Brainerd.

DAKOTA COUNTY.

Vermillion Creamery Co.....	Vermillion	V. F. Rother.....	Vermillion	Geo. Byers	Vermillion.
Greenvale Co-operative Dairy Association	Northfield	O. H. Shirley.....	Northfield	O. H. Nelson	Northfield.
Farmington Creamery	Farmington	F. O. Biddle.....	Minnesota Lake	G. M. Fjetland.....	Farmington.
Lakeville Creamery	Lakeville	M. J. Lenihan	Lakeville	G. A. Miller.....	Lakeville.

INDEX

[illegible]

* Indicates only one side of Street shown.

INSURANCE MAPS of

BRAINERD

MINNESOTA CROW WING COUNTY

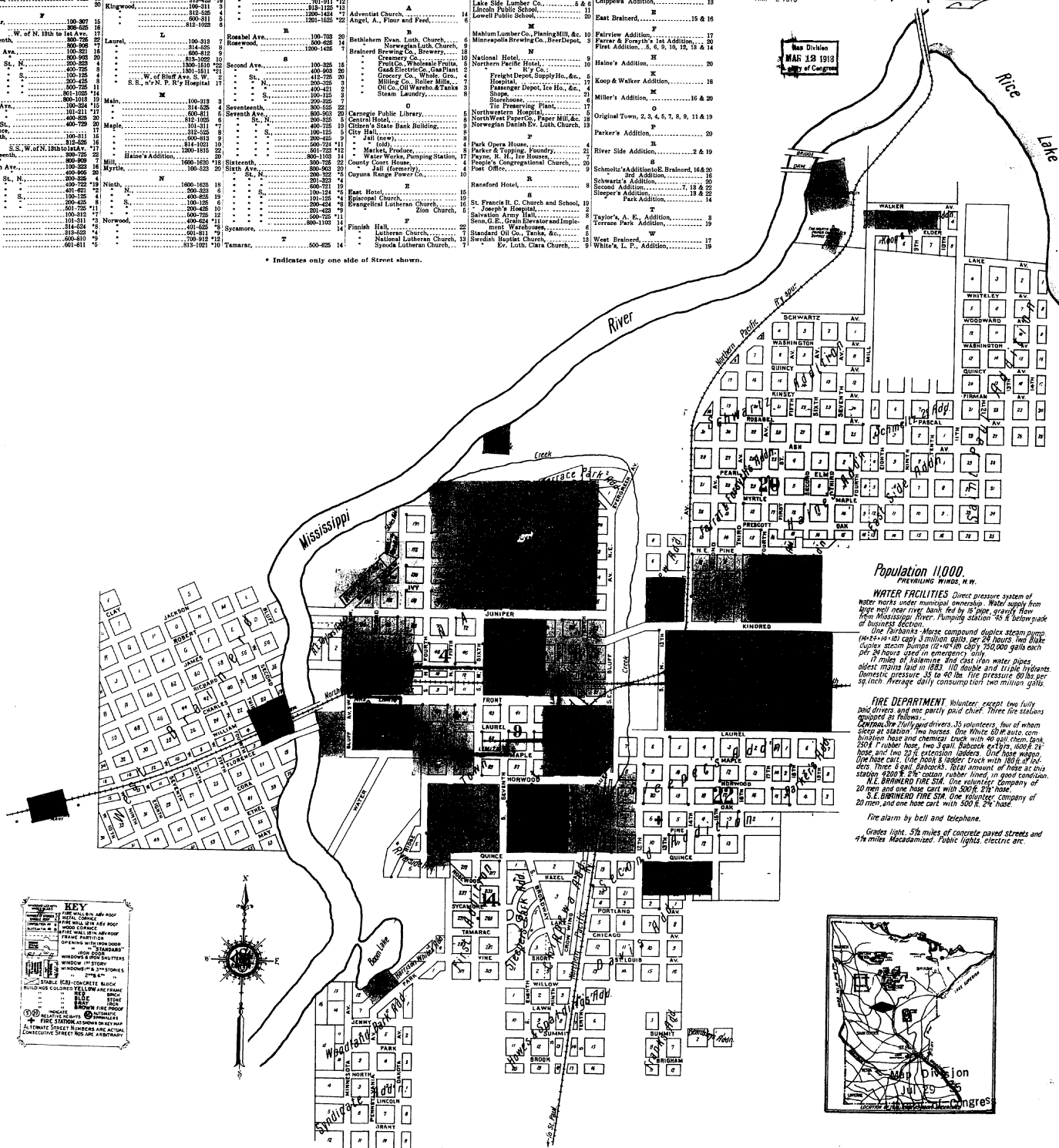
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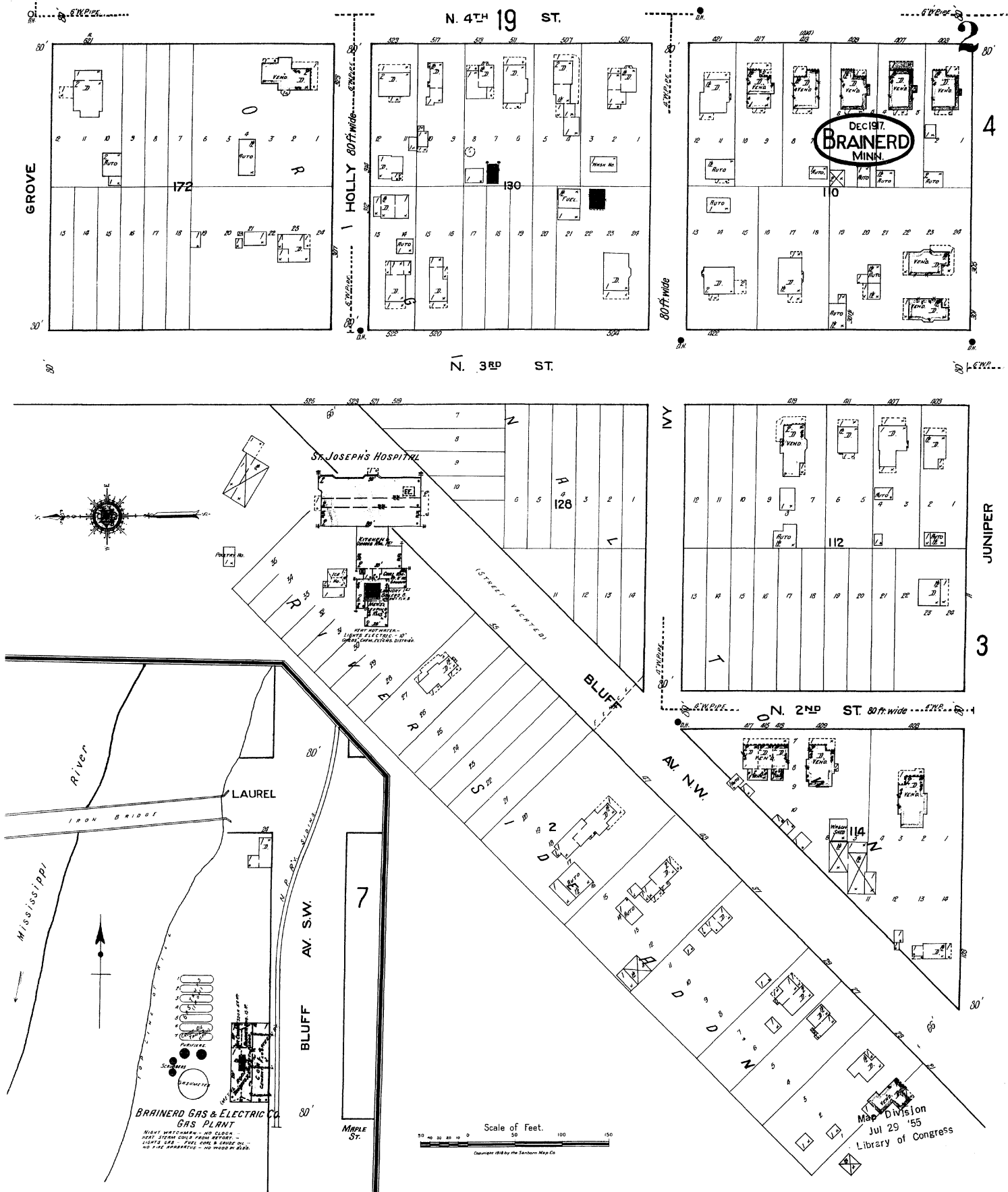
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Dec. 1917

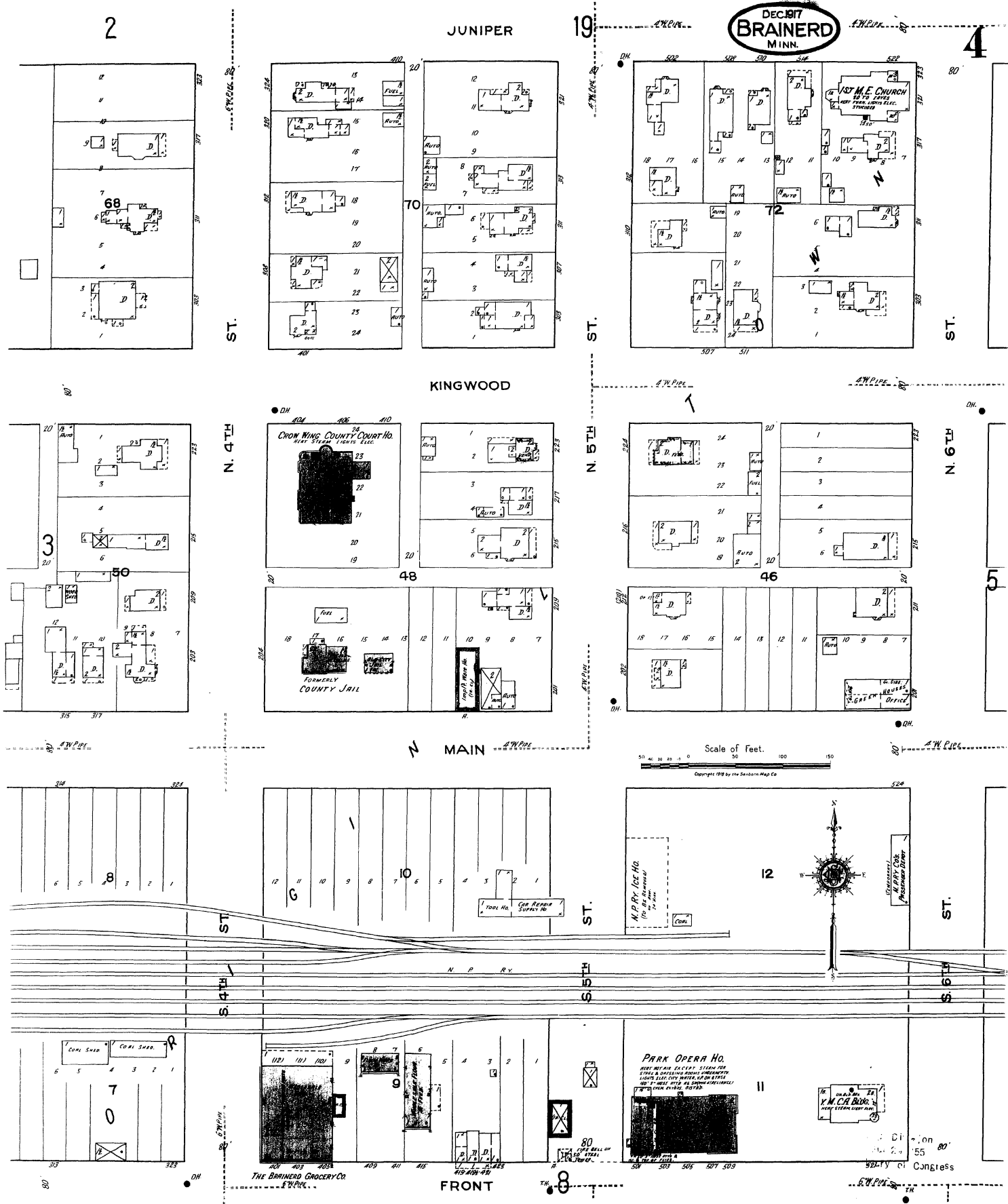
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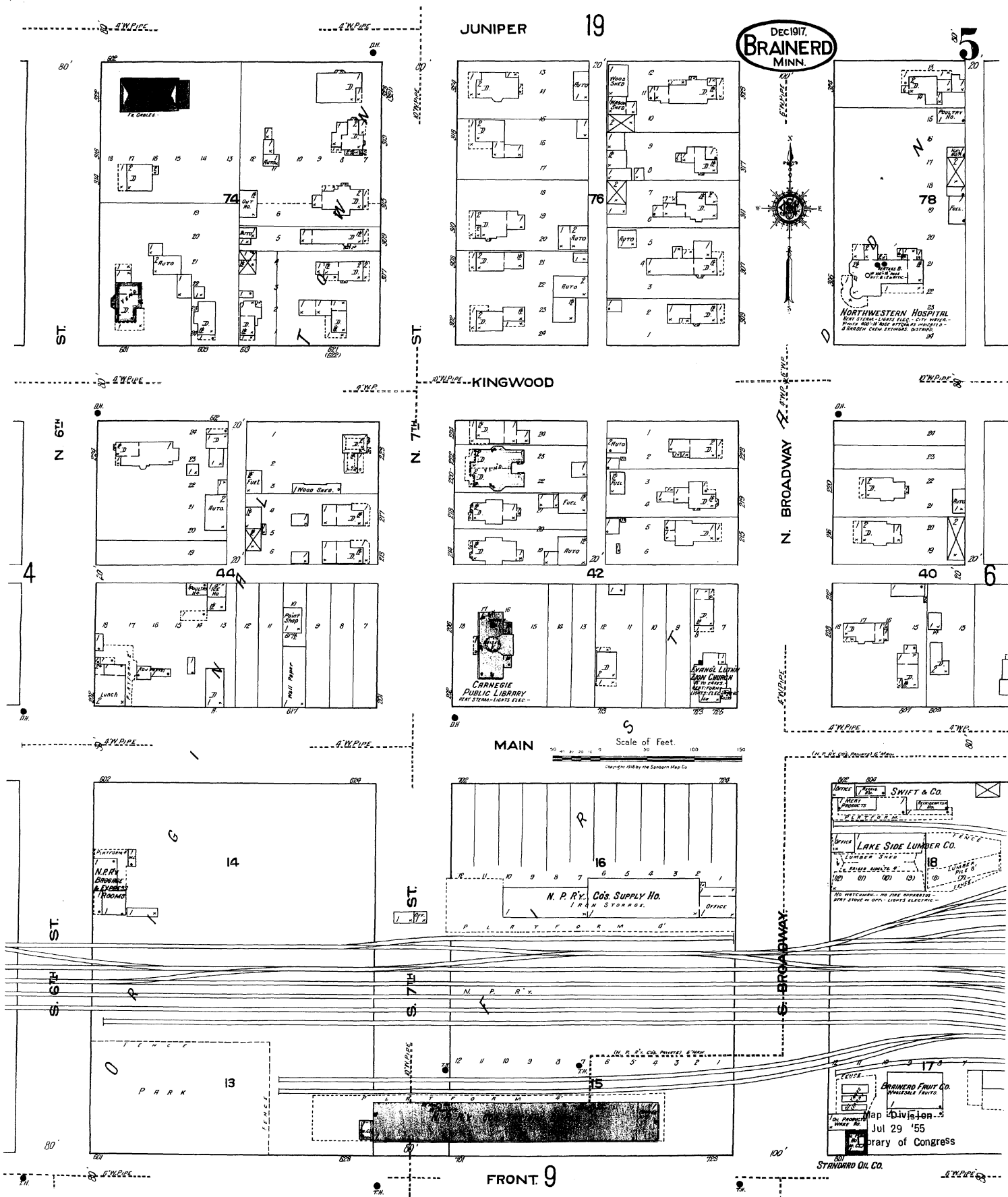
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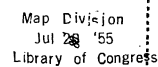










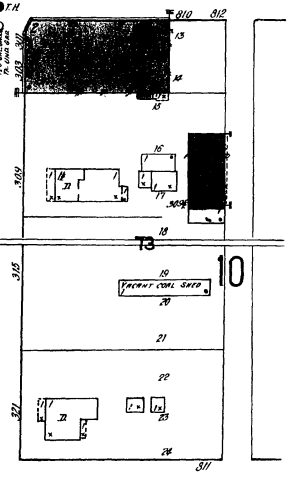
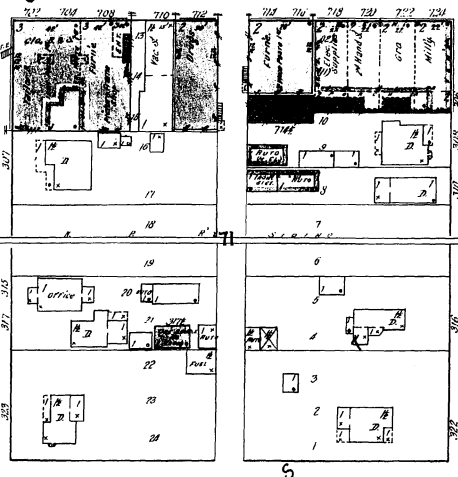
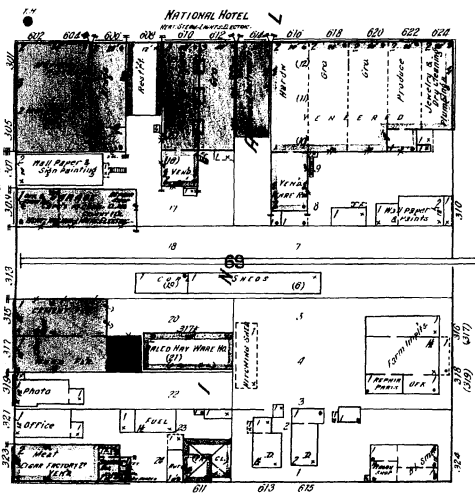
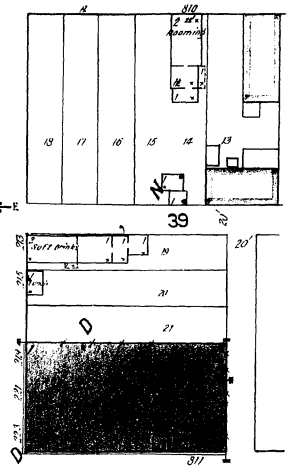
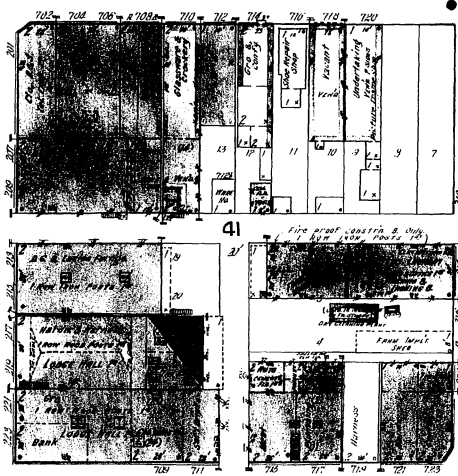
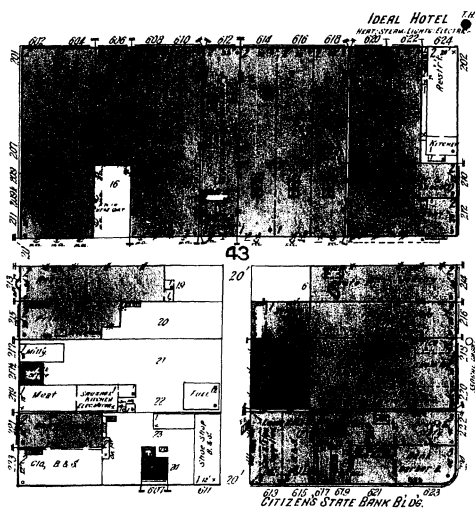


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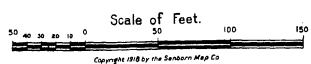
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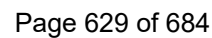
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MAPLE

NORWOOD



Map Division
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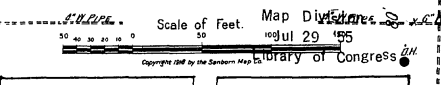
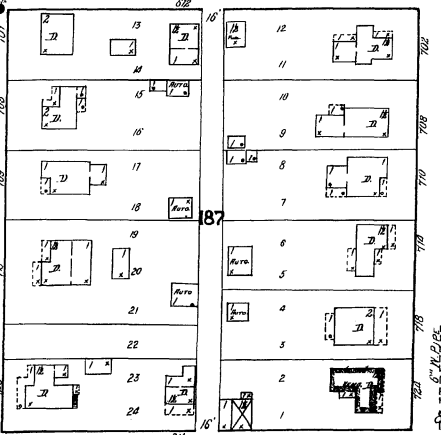
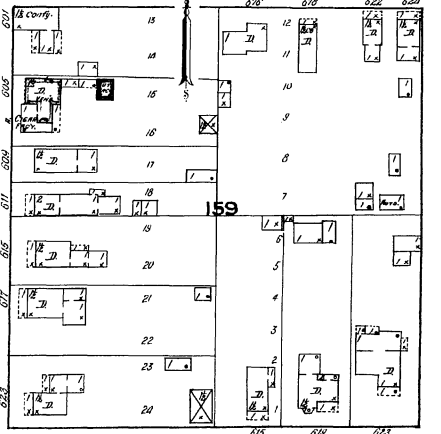
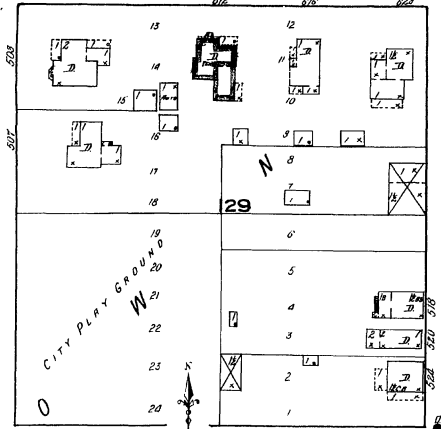
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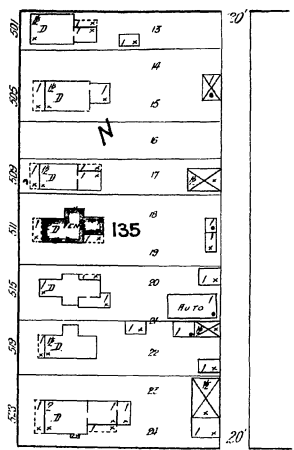
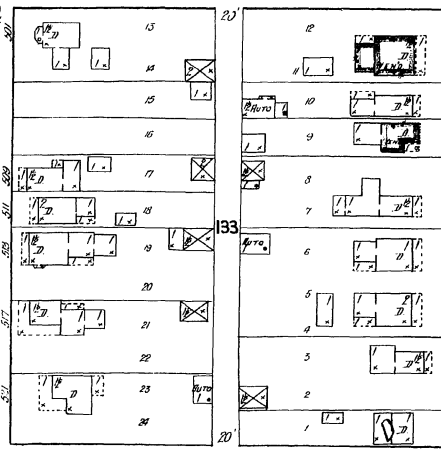
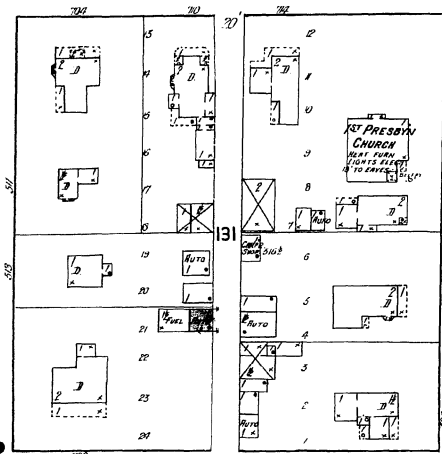


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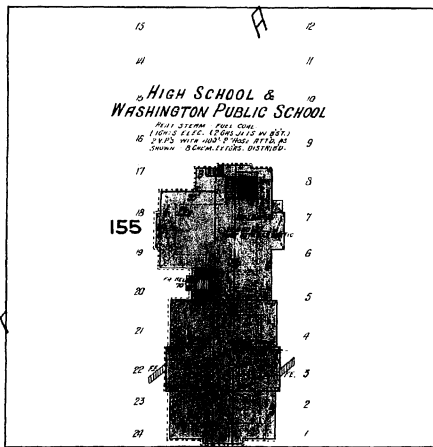
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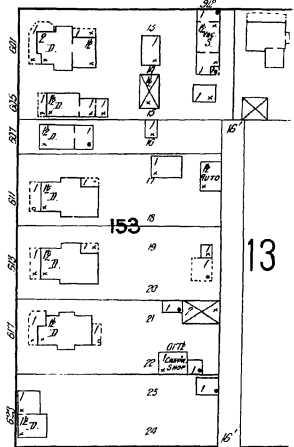


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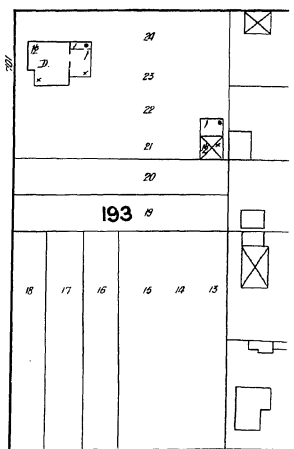
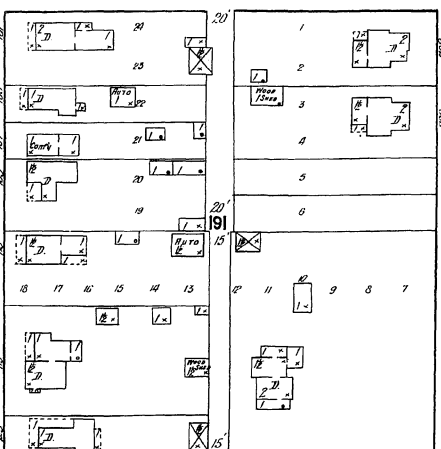
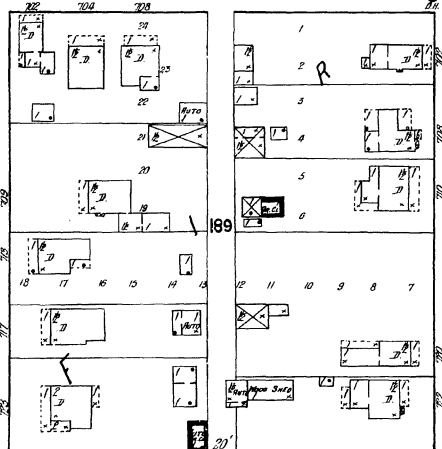
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S. 9TH ST.



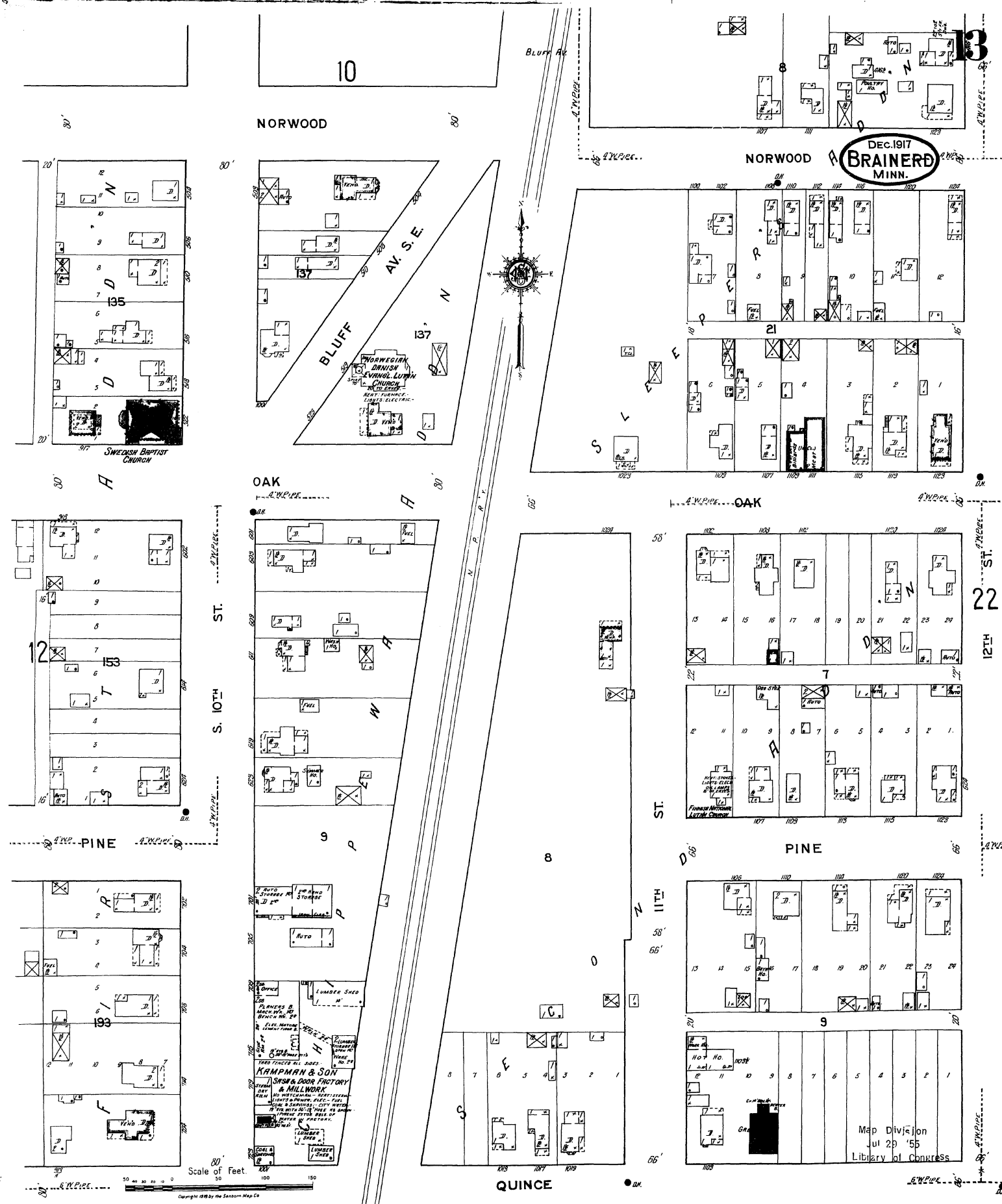
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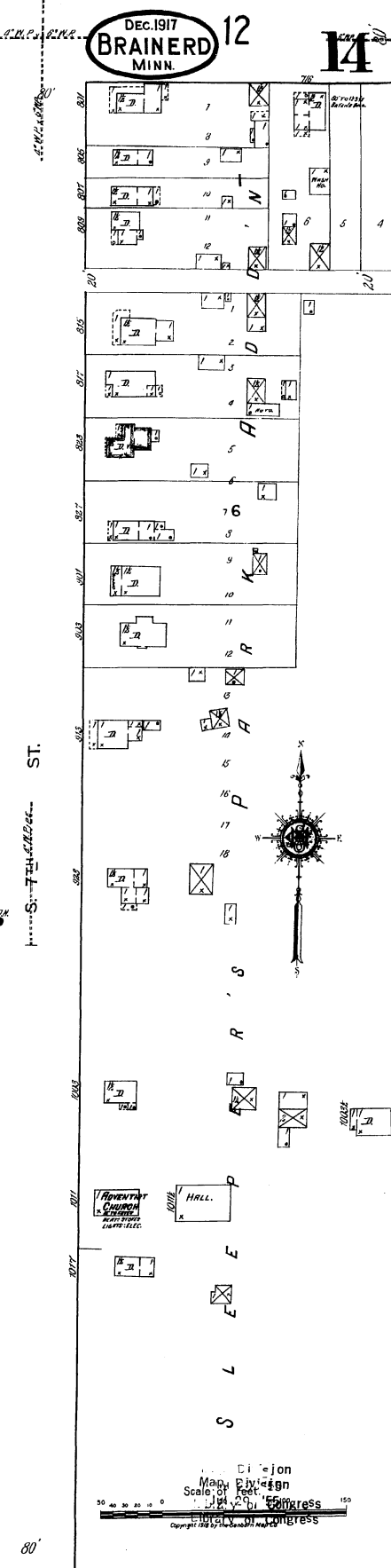
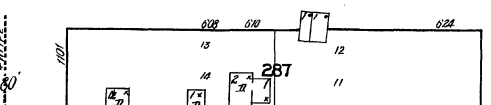
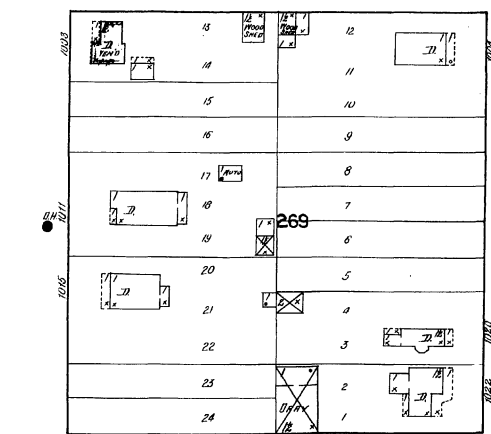
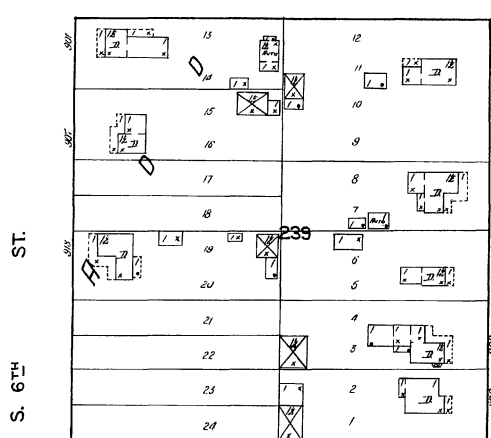
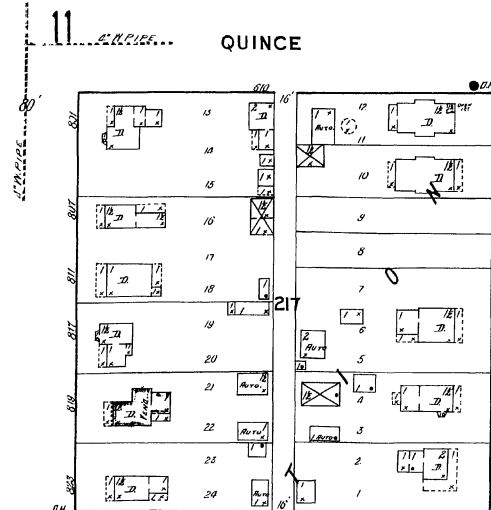
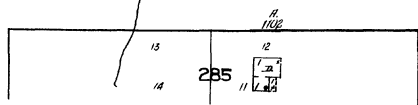
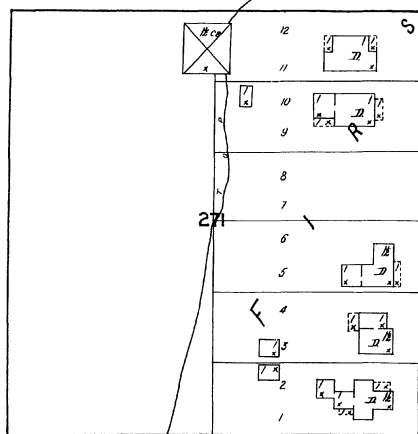
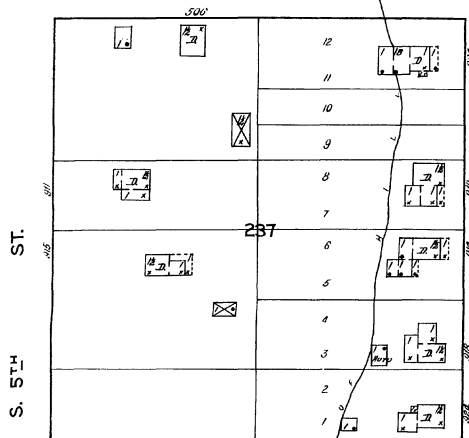
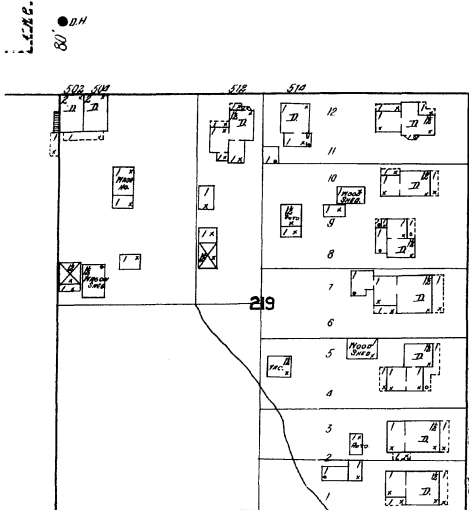


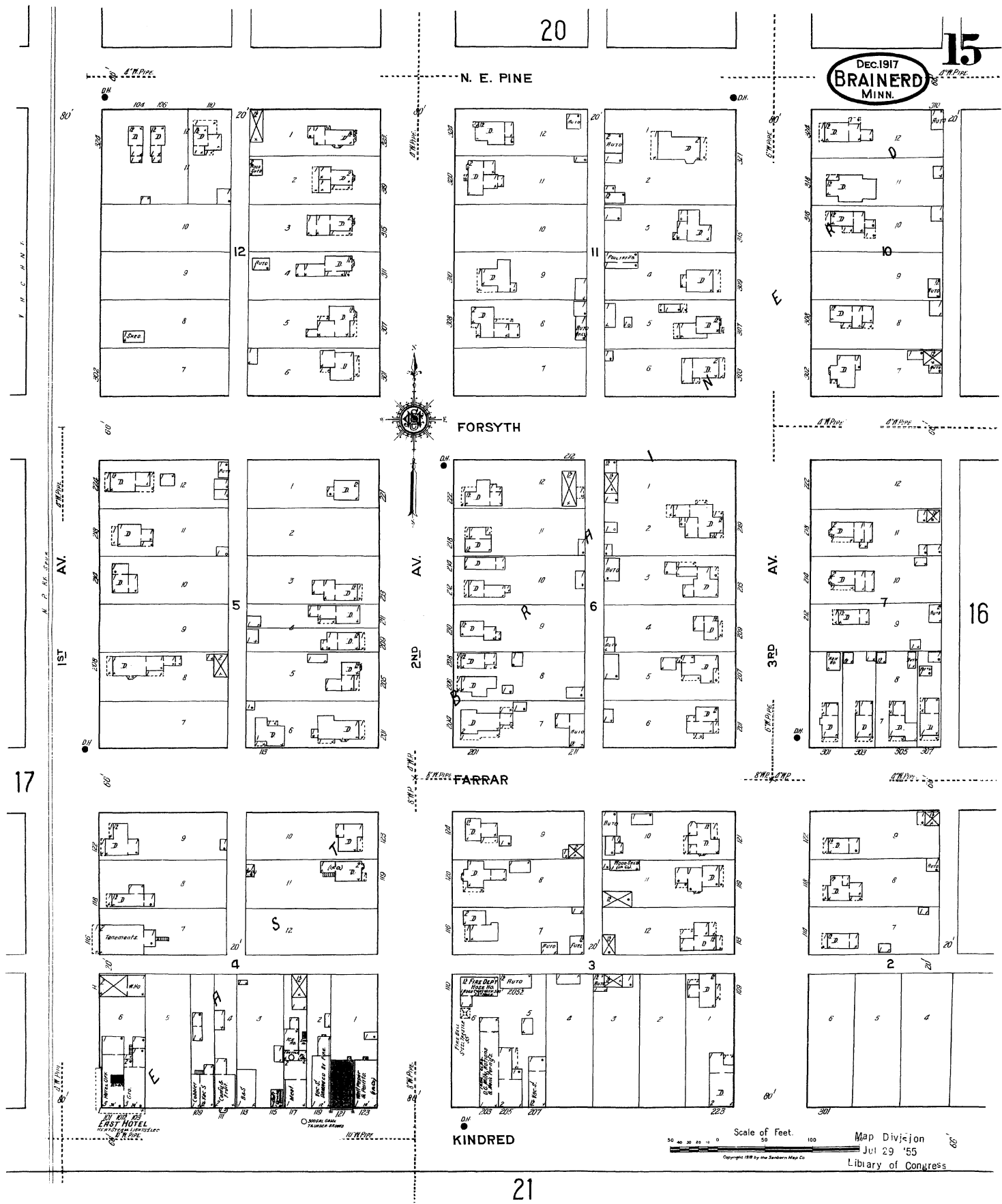
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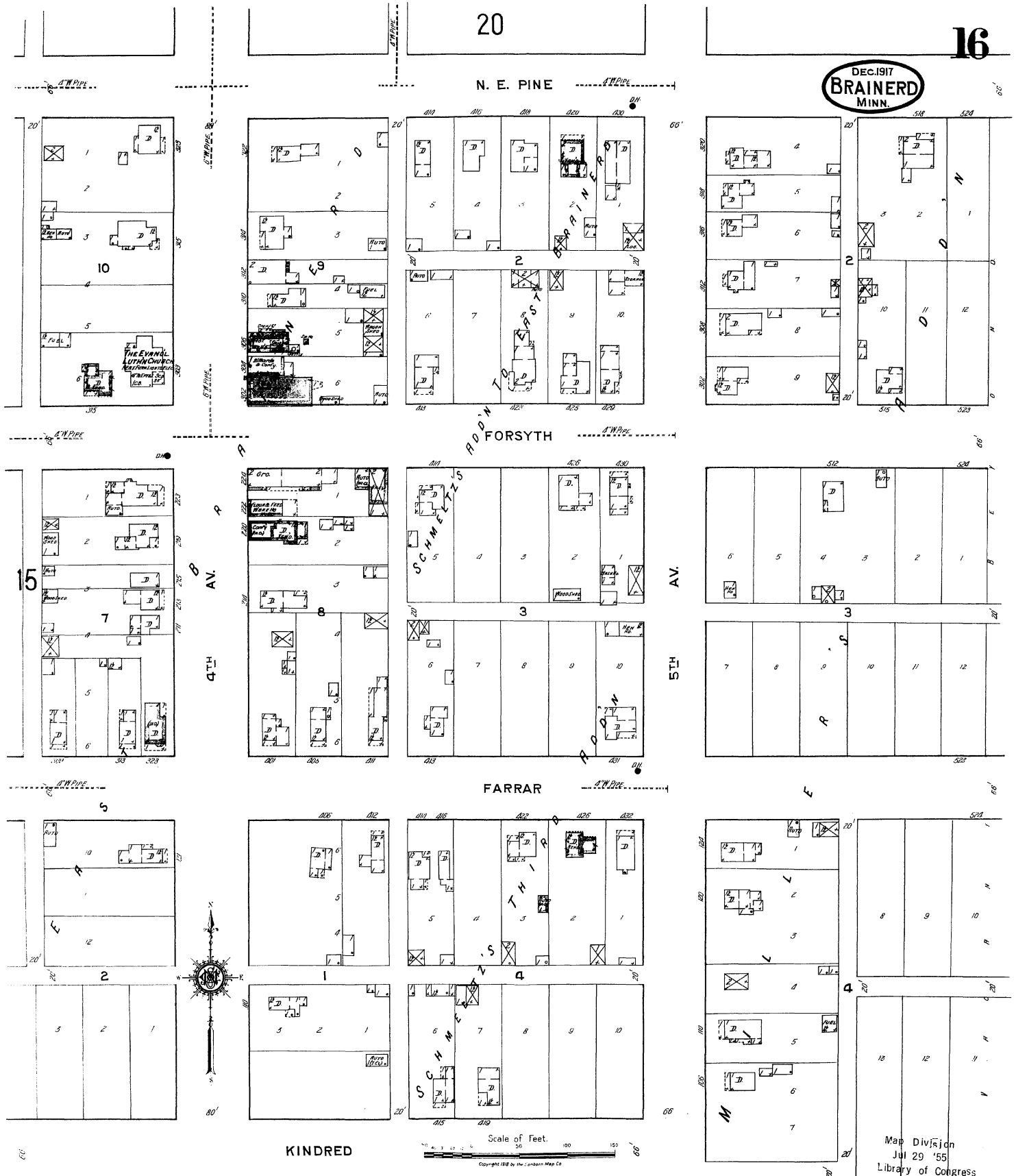
N. E. PINE

FORSYTH

FARRAR

KINDRED

21



22

20

18

A

NORTHERN PACIFIC RY CO'S HOSPITAL

CITY WATER WORKS
PUMPING STATION
RUNS DAY & NIGHT
HEAT & POWER: STEAM; LIGHTS
ELECTRIC; FUEL: COAL; HD. 2"
HOSE CONNECTS TO PUMP: 30
1" HOSE IN BOILER RM.

FORSYTH

LAUREL OR FLORENCE

NORTHERN PACIFIC TIE PRESERVING PLANT

FARRAR

Scale of Feet.

AV.

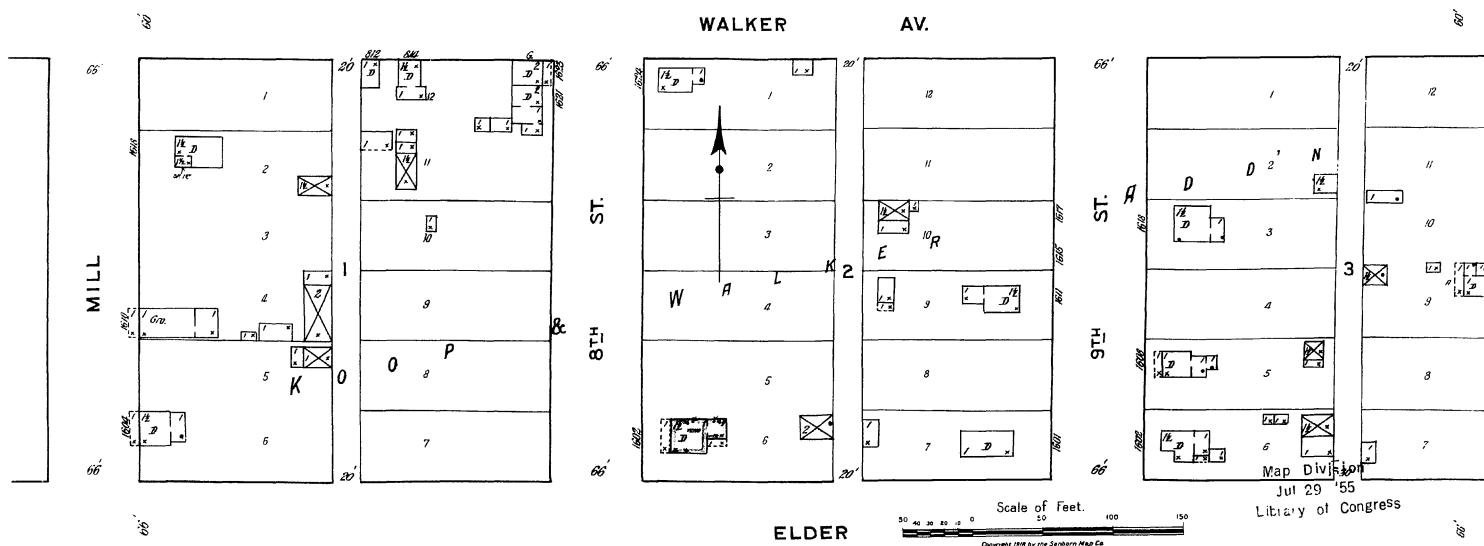
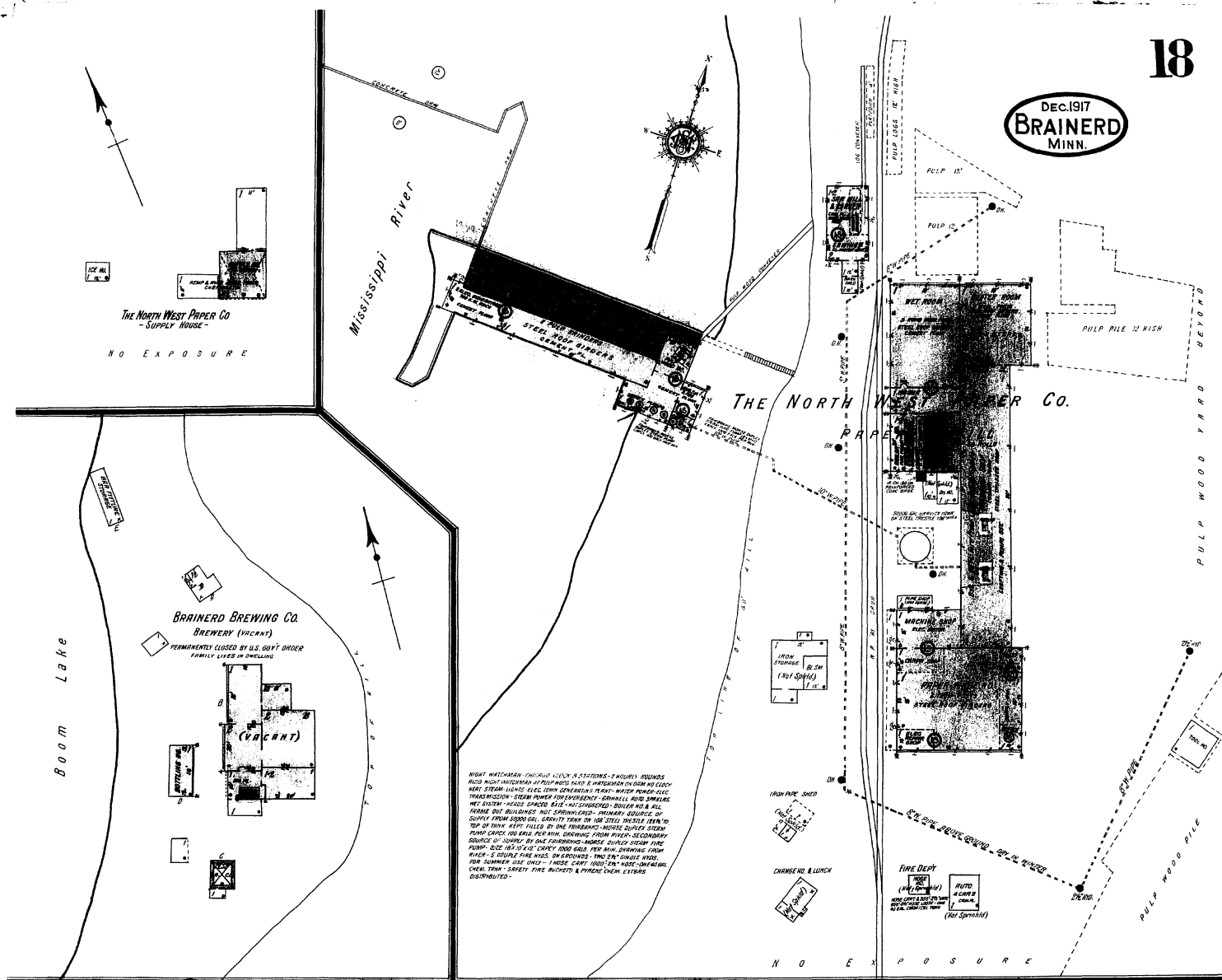
15

151

KINDRED

21

Map Division
Jul 28 '55
Library of Congress



Unique Well Number

232347

County

Crow Wing

Quad

Brainerd

Quad Id

211C

MINNESOTA DEPARTMENT OF HEALTH

WELL AND BORING RECORD

MINNESOTA STATUTES CHAPTER 1031

Entry Date

1992/07/23

Update Date

2014/05/22

Received Date

Well Name

BRAINERD 3

Well T

Township

Range

Dir

Section

Subsection

Field Located

MDH

45

31

W

36

Elevation

1179.00

ft.

well and contact address

CITY OF BRAINERD - 3

BRAINERD

MN

Description

Color

Hardness

From

To (ft.)

FINE SAND

RED

0

60

COARSE SAND

GRAY

60

65

COARSE SAND W/ PEBBLES

GRAY

65

80

GRAVEL

80

115

COARSE SAND W/ PEBBLES

GRAY

MEDIUM

115

122

COARSE SAND

GRAY

MEDIUM

122

125

Remarks

First Bedrock

Aquifer

Quat. Water Table Aquifer

Last Strat

Depth to Bedrock

ft.

Well Depth

Depth Completed

Date Well Completed

125.00

ft

125.00

ft

1939/00/00

Drillhole Angle

Drilling Method

Drilling Fluid

Well Hydrofractured?

YES

NO

From

ft. to

Use

community supply(municipal)

Casing

Type

Steel (black or low

Drive Shoe?

YES

NO

Hole Diameter (in.)

Diameter

16

Depth

73

16.00

in. from

0.00

to

73.00

ft.

lbs/ft

Screen

Yes

Open Hole(ft.)

From

to

Make

Type

Diamter

Slot

Length

Set

Static Water Level

18.00

ft.

land surface

Date measured

1936/00/00

Pumping Level (below land surface)

ft. after

hrs. pumping

g.p.m.

Wellhead Completion

Pitless adapter manufacturer

Model

Casing Protection

12 in. above grade

At-grate (Environmental Wells and Borings ONLY)

Basement offset

Grouting Information

Well grouted?

YES

NO

NOT SPECIFIED

Nearest Known Source of Contamination

feet

Direction

Type

Well disinfected upon completion?

YES

NO

Pump

Not Installed

Date Installed

Manufacture's name

Model number

HP

Volts

Length of drop pipe

Material

Capacity

g.p.m

Type

Abandoned Wells

Does property have any not in use and not sealed well(s)?

YES

NO

Variance

Was a variance granted from the MDH for this well?

YES

NO

Well Contractor Cerfication

License Business Name

Lic. or Reg No.

Name of Driller

Date

HE-01205-07 (Rev. 2/9

County Well Index v.5

REPORT

Printed on

4/19/2019

Unique Well Number 403973	County Crow Wing Quad Brainerd Quad Id 211C	MINNESOTA DEPARTMENT OF HEALTH WELL AND BORING RECORD MINNESOTA STATUTES CHAPTER 1031	Entry Date 1992/07/23 Update Date 2014/03/10 Received Date
--	--	---	---

Well Name BRAINERD 8 Township Range Dir Section Subsection Field Located MDH 45 31 W 36 BDBBBB Elevation 1208.00 ft.	Well Depth 195.00 ft Depth Completed 187.00 ft Date Well Completed 1984/09/13
---	--

well and contact address CITY OF BRAINERD BRAINERD MN	Drillhole Angle Drilling Method Non-specified Rotary Drilling Fluid Well Hydrofractured? ☐ YES ☐ NO From ft. to Use community supply(municipal) Casing Type Steel (black or low Drive Shoe? ☐ YES ☒ NO Hole Diameter (in.) Diameter 16 Depth 144 16.00 in. from 0.00 to 144.00 ft. 62.58 lbs/ft
---	---

Description	Color	Hardness	From	To (ft.)
SAND	BROWN	V.SOFT	0	30
FINE TO COARSE SAND	BROWN	SOFT	30	35
FINE TO MEDIUM SAND	BROWN	SOFT	35	61
SAND AND GRAVEL	BROWN	SOFT	61	75
MEDIUM COARSE SAND	BROWN	SOFT	75	191
SHALE AND CLAY	BROWN	SOFT	191	195

Screen Yes	Open Hole(ft.) From to
Make JOHNSON Type stainless steel Diameter 16.00 Slot 70 Length 45 Set 144 ft. to 189 ft.	

Static Water Level	Date measured 1984/09/11
77.00 ft. land surface	

Pumping Level (below land surface)	g.p.m.
129.00 ft. after 31.00 hrs. pumping	1750.00

Wellhead Completion	
Pitless adapter manufacturer _____ ☐ Casing Protection ☒ 12 in. above grade ☐ At-grate (Environmental Wells and Borings ONLY) ☐ Basement offset	Model _____

Grouting Information	Well grouted? ☒ YES ☐ NO ☐ NOT SPECIFIED
Material neat cement From 0.0 To 142.0 ft. 7.72 Cubic yards	

Nearest Known Source of Contamination	
_____ feet	Direction _____ Type _____
Well disinfected upon completion? ☐ YES ☐ NO	

Pump	
☐ Not Installed Date Installed _____ Manufacture's name _____ Model number _____ HP _____ Volts _____ Length of drop pipe _____ Material _____ Capacity _____ g.p.m. Type _____	

Abandoned Wells	
Does property have any not in use and not sealed well(s)? ☐ YES ☐ NO	

Variance	
Was a variance granted from the MDH for this well? ☐ YES ☐ NO	

Well Contractor Certification	
Ervin Well Co.	65252

License Business Name	Lic. or Reg No.
ERVIN, D	

First Bedrock	Aquifer Quat. Water Table Aquifer	Quat.	Water Table	Aquifer
Last Strat	Depth to Bedrock			ft.

County Well Index v.5	REPORT	Printed on 4/19/2019	Name of Driller	Date
				HE-01205-07 (Rev. 2/99)



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Request for Appeal of Nuisance Citation - 1209 Oak St

AGENDA: Main

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: James Kramvik, Community
Development Director

DEPARTMENT: Community Development

PRESENTER: James Kramvik, Community
Development Director

ESTIMATED TIME (MIN): 5 min

SUMMARY OF ISSUE:

Section 320 of the City Code dictates that violations of the City Code shall, after receiving a notice of violation, be issued up to three administrative citations for non-compliance. If the same property owner commits a subsequent violation within 12 months for the same or similar offense, a citation may be issued immediately. The City Council shall serve as the Board of Administrative Citation Appeals, and it shall hear and decide appeals from and review any order, requirement, decision, or determination made by an administrative official charged with enforcing the Ordinance. At the hearing, the parties shall have the opportunity to present testimony and question any witnesses. The Board has the opportunity to determine that a violation did or did not occur, to dismiss a citation or impose the scheduled fine or to reduce, stay or waive a scheduled fine either unconditionally or upon compliance with appropriate conditions.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

Attached is the case file for 1209 Oak Street for a long grass/weed violation based on a complaint received. The property owner has received long grass and weed violation letters in 2022 and in 2023, as well as citations. Staff worked with the property owner and waived these citations upon compliance with the issue. The property owner is aware of the City Code requirement that grass and weeds must not exceed 6" in length. The attached case file shows the violation letter was sent on June 13, 2024 and corrective action was to take place five (5) days from the date of the letter. A citation letter was sent June 21, 2024 and the photo clearly shows non-compliance with the City Code. The property owner is requesting to appeal the \$100 citation.

RECOMMENDED ACTION/MOTION:

Staff recommends upholding the \$100 citation due to past history and non-compliance with the requested corrective action date.

FINANCIAL IMPACT: N/A



www.ci.brainerd.mn.us

NO Viaduct

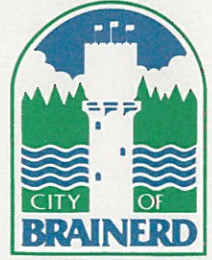
IPML
302

Jagor Iron

1209 Oak - Grass Citation

June 26, 2024

TIMMERS, BRIAN
1209 OAK STREET
BRAINERD, MN 56401



www.ci.brainerd.mn.us

NOTICE OF HEARING

Notice is hereby given that Brian Timmers, 1209 Oak Street, has submitted a request to appeal Citation # EN24-0270, \$100 for long grass and weeds.

*SLEEPERS ADDITION TO BRAINERD
LOT 9 BLOCK 20, EXCEPT N.6 FT THEREOF
Parcel #: 41300564
Section 30, Township 045, Range 030*

A Public Hearing will be conducted by the Brainerd City Council meeting at 7:30 p.m. Monday, July 15th, 2024, in the Council Chambers at Brainerd City Hall, 501 Laurel Street, to consider the appeal.

James L. Kramvik
Community Development Director

June 13, 2024

TIMMERS, BRIAN S
1209 OAK ST
BRAINERD, MN 56401

ORDER TO CORRECT ADMINISTRATIVE VIOLATION

Dear Property Owner(s),

Brainerd residents have consistently expressed that clean, well-maintained residential neighborhoods and commercial districts are a high priority. Maintaining these areas has proven to increase property values, provide a higher standard of living, and promotes community pride. A code violation was observed on the property described below. Understanding that you might not be aware of what the City codes require, I am sending you this courtesy notice to give you an opportunity to correct this matter.

Property Address: 1209 OAK ST
Real Estate Code: 41300564

Violation: Grass & Weeds
IPMC302.4

Description: Premises and exterior property shall be maintained free from weeds and plant growth in excess of 6". Noxious weeds shall be prohibited. Weeds shall be defined as all grasses, annual plants, and vegetation, other than trees or shrubs provided; however, this term shall not include cultivated flowers and gardens. Upon failure of the owner or agent having charge of a property to cut and destroy weeds after service of a notice of violation, they shall be subject to prosecution in accordance with section 108.3 and as prescribed by the authority having jurisdiction. Upon failure to comply with the notice of violation, any duly authorized employee of the jurisdiction or contractor hired by the jurisdiction shall be authorized to enter upon the property in violation and cut and destroy the weeds growing therein, and the costs of such removal shall be paid by the owner or agent responsible for the property.

This is the only notice you will receive this growing season. Additional violations this growing season will result in an administrative citation and possible abatement.

Corrective action is required; five (5) days are allowed from the date of this letter.

To review City Codes on the web, go to www.ci.brainerd.mn.us/153/City-Code.

Action should be taken on or before 06/18/2024

Per the above-mentioned code section and City Code 320 – Administrative Citations, failure to comply with this ordinance will result in citation(s) according to the following schedule:

1st Citation - \$100.00 | 2nd Citation - \$200.00 | 3rd Citation - \$300.00

After the issuance of three (3) citations, the offense shall be brought before the Safety & Public Works Committee for determination of further action to correct the violation. Such actions may include but are not limited to abatement, issuance of further administrative citations in an amount determined by the Committee, or legal action. The determination of the Safety & Public Works Committee shall then be referred as a recommendation to the City Council for final approval.

If you are unable to make the corrections by the date above or believe this violation is in error, please call this office to discuss or make other arrangements. Office hours are 7:30 to 4:30, Monday through Friday. **Feel free to contact Housing Inspector Jason Stockinger at 218/454-3416 if you have questions.**

Respectfully,
By Order of:
THE CITY OF BRAINERD





This citation charges you with one or more violations of the
Property Maintenance Code, Ordinance No. 1338

THIS IS THE ONLY NOTICE YOU WILL RECEIVE

Administrative Citation

Department of Building Safety – 218-828-2307

EN24-0270

Date of Violation: 06/21/2024

Parcel ID: 41300564

Violator(s): TIMMERS, BRIAN S
1209 OAK ST
BRainerd, MN 56401

Location/Address of Violation: **1209 OAK ST**

VIOLATION

Section	Subdivision, Chapter or Article	Fine
IPMC 302.4	Grass & Weeds	\$100.00

If the owner fails to correct the nuisance within the timeframe stipulated in the first notice, the City of Brainerd shall cause such action to correct such nuisance by means of, but not limited to, cutting grass or collecting garbage or junk. The expense thereof shall be billed to the property owner and shall constitute a lien upon such realty. An Administrative Citation is separate and in no way defrays the expense of correcting the nuisance.

Citation Amount Due: \$100.00

Payment Due By: 30 Days from Date of Violation

**Payment may be presented in person or by way of First Class Mail in the form of cash, check or money order, payable to:
City of Brainerd, submitted to the Department of Building Safety, City Hall - 501 Laurel Street; Brainerd, MN 56401.**

Re-inspection Date: 07/01/2024

For uncorrected or continued violations, the City may correct the violation and assess the charges for doing so.

An additional citation will be issued if the violation is not corrected by the re-inspection date.

Failure to pay the fine will result in it being assessed against the property as provided in Minnesota Statute 429.

Unpaid fines, including an administrative charge of \$25.00 plus interest of the total balance, will be assessed against the property of the owner charged with the violation.

When a citation is issued, you must correct the violation and pay the fine. If you decide to contest the violation, you may request a hearing, responding within 10 days from the date of the citation issuance. The purpose of a hearing is to determine whether or not a violation(s) of the city code existed. If you request a hearing and the citation stands, you will be responsible for the hearing costs and fines as determined by the hearing officer as well as correction of the violation. If the citation is contested and a hearing is scheduled, a notice will be mailed to you with the date/time/location of the hearing. If you cannot attend on the scheduled date or wish to request the Hearing Officer be removed from the case, you must do so no later than 15 days prior to the date of the hearing. A new hearing date will be set and another notification will be sent to the party contesting the citation.

Representative: Jason Stockinger, Building Inspector

Date: 06/21/2024

Representative's Signature:

(served via first class mail)





City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: Approve Annual Review of Data Practices Policy

AGENDA: Main

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Nick Broyles, City Administrator

DEPARTMENT: Administration

PRESENTER: Nick Broyles, City Administrator

ESTIMATED TIME (MIN): 2 Minutes

SUMMARY OF ISSUE: The Minnesota Government Data Practices Act (MGDPA) requires us to have an annual review of our Data Practices Policy.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS: Attached is the updated City of Brainerd Data Practices Policy. The Police Department is requesting the addition of Exhibit G, H, & I specific to Law Enforcement.

RECOMMENDED ACTION/MOTION: Approve the City of Brainerd Data Practices Policy and Updates.

FINANCIAL IMPACT:

CITY OF BRAINERD DATA PRACTICES POLICY

What is the Minnesota Government Data Practices Act?

The Minnesota Government Data Practices Act (referenced as the Act for the rest of this document) is a state law that establishes a classification system for documents gathered by governmental entities. Under the Act, all records collected and maintained by the city are considered public unless otherwise classified by a state or federal law.

This document has been prepared to help the public understand the procedures that govern a request for data from the city. The city recognizes its obligation to provide information or a response regarding the information to anyone who requests it. The city also acknowledges the need to remain open and accountable to the public in the maintenance of its records while protecting the privacy rights of individuals and continuing the efficient operation of city government.

Who is the Responsible Authority for the City of Brainerd?

The City of Brainerd has appointed the City Administrator as the person who is the Responsible Authority for compliance with the Act. Questions regarding access to documents should be directed to the appropriate individual listed in the Data Practices Contacts Exhibit A.

What is the Data Practices Policy for the Public

What is Your Right to See Public Data

The Government Data Practices Act (Minnesota Statutes, Chapter 13) presumes that all government data are public unless a state or federal law says the data are not public. Government data means all recorded information a government entity has, including paper, email, flash drives, CDs, DVDs, photographs, etc.

The law also says that the City of Brainerd must keep all government data in a way that makes it easy for you to access public data. You have the right to look at (inspect), free of charge, all public data that we keep. You also have the right to get copies of public data. The Data Practices Act allows us to charge for copies. You have the right to look at data, free of charge, before deciding to request copies.

How to Request Public Data

You can ask to look at (inspect) data at our offices or ask for copies of public data that we keep. Make your written request for data to the appropriate individual listed in the Data Practices Contacts Exhibit A. You may make your written request in person, by mail, fax or email using the Data Request Form Exhibit B.

If you do not use the data request form, your request should:

- Say that you are making a request for public data under the Government Data Practices Act (Minnesota Statutes, Chapter 13).
- Include whether you would like to inspect the data, have copies of the data, or both.
- Provide a clear description of the data you would like to inspect or have copied.

You are not required to identify yourself or explain the reason for your data request. However, you may need to provide us with some personal information for practical reasons (for example: if you want us to mail copies to

you, you need to provide us with an address or P.O Box). If we do not understand your request and have no way to contact you, we cannot respond to your request.

How We Will Respond to Your Data Request

Upon receiving your request, we will review it.

- We may ask you to clarify what data you are requesting.
- If we do not have the data, we will notify you in writing within 10 business days.
- If we have the data, but we are not allowed to give it to you, we will tell you as soon as reasonably possible and identify the law that prevents us from providing the data.
- If we have the data, and the data are public, we will respond to your request appropriately and promptly, within a reasonable amount of time by doing one of the following:
 - Arrange a date, time, and place for you to inspect the data at our offices. We will provide notice to you about our requirement to prepay for copies; or
 - You may choose to pick up your copies, or we will mail or email them to you. We will provide electronic copies (such as email or CD-ROM) upon request, if we keep the data in that format and we can reasonably make a copy.
 - Response time may be impacted by the size and/or complexity of your request, and also by the number of requests you make in a given period of time.
 - Following our response, if you do not make arrangements within 10 business days to inspect the data or pay for the copies, we will conclude that you no longer want the data and will consider your request closed.

If you do not understand some of the data (technical terminology, abbreviations, or acronyms), please tell the person who provided the data to you. We will give you an explanation if you ask.

The Data Practices Act does not require us to create or collect new data in response to a data request, or to provide data in a specific form or arrangement if we do not keep the data in that form or arrangement. For example, if the data you request are on paper only, we are not required to create electronic documents to respond to your request. If we agree to create data in response to your request, we will work with you on the details of your request, including cost and response time.

How to Request Summary Data

Summary data are statistical records or reports created by removing identifying information about individuals from entirely private or confidential data. We will prepare summary data if you make your request in writing and pre-pay/pay for the cost of creating the data.

You may use the Data Request Form Exhibit B to request summary data. We will respond to your request within ten business days with the data or details of when the data will be ready and how much we will charge you.

Copy Costs – When You Request Public Data

Minnesota Statutes, section 13.03, subdivision 3(c) allows us to charge for copies.

- You must pay for the copies before we will give them to you.
- We do not charge for copies if the cost is less than \$5.00.
- Multiple requests made within the same 3 business-day period will be treated as a single request for the purposes of calculating the total copy costs.
- If possible, and upon request, we will provide you with an estimation of the total cost of supplying copies.

For 100 or fewer paper copies – 25 cents per page

100 or fewer pages of black and white, letter or legal-size paper copies cost 25¢ for a one-sided copy, or 50¢ for a two-sided copy.

Most other types of copies – actual cost

The charge for most other types of copies, when a charge is not set by statute or rule, is the actual cost of searching for and retrieving the data, and making the copies or electronically sending the data. If the amount of copies exceeds 100 paper copies, the City of Brainerd will charge the actual costs for collection excluding the time to redact private information. If the request is for fewer pages, but still over 100 pages, the City of Brainerd will prorate the amount.

In determining the actual cost of making copies, we include employee time, the cost of the materials onto which we are copying the data (paper, CD, DVD, etc.), and mailing costs (if any). If your request is for copies of data that we cannot copy ourselves, such as photographs, we will charge you the actual cost we must pay an outside vendor for the copies.

If, based on your request, we find it necessary for a higher-paid employee to search for and retrieve the data, we will calculate search and retrieval charges at the higher salary/wage.

Data Practices Policy – Data About You and Your Rights as a Data Subject

What is a Data Subject?

When government has information recorded in any form (paper, hard drive, voicemail, video, email, etc.), that information is called “government data” under the Government Data Practices Act (Minnesota Statutes, Chapter 13). When we can identify you in government data, you are the “data subject” of that data. The Data Practices Act gives you, as a data subject, certain rights. This policy explains your rights as a data subject, and tells you how to request data about you, your minor child, or someone for whom you are the legal guardian.

When The City of Brainerd Has Data About You

The City of Brainerd has data on many people. We can collect and keep data about you only when we have a legal purpose to have the data. The City of Brainerd must also keep all government data in a way that makes it easy for you to access data about you.

Government data about an individual have one of three “classifications.” These classifications determine who is legally allowed to see the data. Data about you are classified by state law as public, private, or confidential. Here are some examples.

Public Data

The Data Practices Act presumes that all government data are public unless a state or federal law says that the data are not public. We must give public data to anyone who asks. It does not matter who is asking for the data or why the person wants the data.

Private Data

We cannot give private data to the general public. We can share your private data with you, with someone who has your permission, with our government entity staff whose job requires or permits them to see the data, and with others as permitted by law or court order.

Confidential Data

Confidential data have the most protection. Neither the public nor you can access confidential data even when the confidential data are about you. We can share confidential data about you with our government entity staff who have a work assignment to see the data, and to others as permitted by law or court order.

What Are Your Rights Under the Government Data Practices Act

As a data subject, you have the following rights:

Access to Your Data

You have the right to look at (inspect), free of charge, public and private data that we keep about you. You also have the right to get copies of public and private data about you. The Data Practices Act allows us to charge for copies. You have the right to look at data, free of charge, before deciding to request copies.

Also, if you ask, we will tell you whether we keep data about you and whether the data are public, private, or confidential.

As a parent, you have the right to look at and get copies of public and private data about your minor children (under the age of 18). As a legally appointed guardian, you have the right to look at and get copies of public and private data about an individual for whom you are appointed guardian.

Minors have the right to ask us not to give data about them to their parent or guardian. If you are a minor, we will tell you that you have this right. We will ask you to put your request in writing (Exhibit E) and to include the reasons that we should deny your parents access to the data. We will make the final decision about your request based on your best interests.

When We Collect Data From You

When we ask you to provide data about yourself that are not public, we must give you a notice called a Tennessean warning. The notice controls what we do with the data that we collect from you. Usually, we can use and release the data only in the ways described in the notice.

We will ask for your written permission if we need to use or release private data about you in a different way, or if you ask us to release the data to another person. This permission is called informed consent.

If you want us to release data to another person, you must use the consent form we provide (Exhibit F).

Protecting Your Data

The Data Practices Act requires us to protect your data. We have established appropriate safeguards to ensure that your data are safe.

In the unfortunate event that we determine a security breach has occurred and an unauthorized person has gained access to your data, we will notify you as required by law.

When Your Data are Inaccurate or Incomplete

You have the right to challenge the accuracy and/or completeness of public and private data about you. You also have the right to appeal our decision. If you are a minor, your parent or guardian has the right to challenge data about you.

How to Make a Request for Your Data

You can ask to look at (inspect) data at our offices or ask for copies of data that we have about you, your minor child, or an individual for whom you have been appointed legal guardian.

Make your written request for data to the appropriate individual listed in the Data Practices Contacts Exhibit A. You may make your written request in person, by mail, fax or email.

We recommend using the sample **Data Request Form – Data Subjects Exhibit C**. If you do not choose to use the data request form, your request should:

- Say that you are making a request as a data subject, for data about you (or your child, or person for whom you are the legal guardian), under the Government Data Practices Act (Minnesota Statutes, Chapter 13).
- Include whether you would like to inspect the data, have copies of the data, or both.
- Provide a clear description of the data you would like to inspect or have copied.
- Provide proof that you are the data subject or data subject's parent/legal guardian.

We require proof of your identity before we can respond to your request for data. If you are requesting data about your minor child, you must show proof that you are the minor's parent. If you are a legal guardian, you must show legal documentation of your guardianship. Please see the Standards for Verifying Identity Exhibit D. If you do not provide proof that you are the data subject, we cannot respond to your request.

How We Respond to a Data Request

Upon receiving your request, we will review it.

- We may ask you to clarify what data you are requesting.
- We will ask you to confirm your identity as the data subject.
- If we do not have the data, we will notify you in writing within 10 business days.
- If we have the data, but the data are confidential or not public data about someone else, we will notify you within 10 business days and identify the law that prevents us from providing the data.
- If we have the data, and the data are public or private about you, we will respond to your request by doing one of the following:
 - Arrange a date, time, and place to inspect data in our office, ensuring you have a meaningful opportunity to inspect data within 10 business days of your request at no charge.
 - Tell you how much the copies cost, and then provide you with copies of the data within 10 business days and upon payment of charges for the copies. You may choose to pick up your copies or have us mail or email them to you. We will provide electronic copies (such as email or CD-ROM) upon request, if we keep the data in electronic format and we can reasonably make a copy.
 - We will provide notice to you about our requirements to prepay for copies.
 - Following our response, if you do not make arrangements within 10 business days to inspect the data or pay for the copies, we will conclude that you no longer want the data and will consider your request closed.
- After we have provided you with your requested data, we do not have to show you the same data again for 6 months unless there is a dispute about the data, or we collect or create new data about you.

If you do not understand some of the data (technical terminology, abbreviations, or acronyms), please tell the person who provided the data to you. We will give you an explanation if you ask.

The Data Practices Act does not require us to create or collect new data in response to a data request, or to provide data in a specific form or arrangement if we do not keep the data in that form or arrangement. For example, if the data you request are on paper only, we are not required to create electronic documents to respond to your request. If we agree to create data in response to your request, we will work with you on the details of your request, including cost and response time.

In addition, we are not required to respond to questions that are not about your data requests, or that are not requests for government data.

Copy Costs – Data Subjects

Minnesota Statutes, section 13.04, subdivision 3 allows us to charge for copies.

- You must pay for the copies before we will give them to you.
- We do not charge for copies if the cost is less than \$5.00.

Actual Cost of Making the Copies

We will charge the actual cost of making copies for data about you. In determining the actual cost, we include the employee-time to create and send the copies, the cost of the materials onto which we are copying the data (paper, CD, DVD, etc.), and mailing costs such as postage (if any). If the amount of copies exceeds 100 paper copies, the City of Brainerd will charge the actual costs for collection excluding the time to redact private information. If the request is for fewer pages, the City of Brainerd will prorate the amount.

If your request is for copies of data that we cannot copy ourselves, such as photographs, we will charge you the actual cost we must pay an outside vendor for the copies.

Exhibit A

City of Brainerd Data Practices Contacts

Responsible Authority

Name: Nick Broyles, City Administrator
Address: 501 Laurel Street, Brainerd, MN 56401
Phone number: (218) 828-2307
Fax number: (218) 828-2316
Email address: nbroyles@ci.brainerd.mn.us

Data Practices Compliance Official

Name: Connie Hillman, Finance Director
Address: 501 Laurel Street, Brainerd, MN 56401
Phone number: (218) 828-2307
Fax number: (218) 828-2316
Email address: chillman@ci.brainerd.mn.us

Data Practices Designee – Law Enforcement

Name: John Davis, Police Chief
Address: 225 East River Road, Brainerd, MN 56401
Phone number: (218) 829-2805
Fax number: (218) 825-3489
Email address : john.davis@ci.brainerd.mn.us

Data Practices Designee – Non-Law Enforcement

Name: Kris Schubert, HR Director
Address: 501 Laurel Street, Brainerd, MN 56401
Phone number: (218) 828-2307
Fax number: (218) 828-2316
Email address: kschubert@ci.brainerd.mn.us

Exhibit B

City of Brainerd Data Request Form – Requesting Public Data

Request Date: _____

The data I am requesting:

Describe the data you are requesting as specifically as possible.

I am requesting access to data in the following way:

- ☐ Inspection
- ☐ Copies
- ☐ Both Inspection and Copies

Note: Inspection is free but the City of Brainerd charges for copies when the cost is over \$5.00.

Contact information (optional)*

Name: _____

Address: _____

Phone number: _____

Email address: _____

We will respond to your request as soon as reasonably possible.

* You do not have to provide any contact information. However, if you want us to mail/email you copies of data, we will need some type of contact information. We also need contact information if we do not understand your request. We will not work on your request until we can clarify it with you.

Police Records: Drop the form off at 225 East River Road, Brainerd, MN, 56401, fax to (218) 825-3489 or email to police@ci.brainerd.mn.us.

All other requests: Drop the form off at 501 Laurel Street, Brainerd, MN, 56401, fax to (218) 828-2316 or email to inforequest@ci.brainerd.mn.us.

Exhibit C

City of Brainerd Data Request Form – Data Subject

Request Date: _____

Contact Information:

Data Subject Name: _____

Parent/Guardian Name *(if applicable)*: _____

Address: _____

Phone Number: _____ Email: _____

The data I am requesting:

Describe the data you are requesting as specifically as possible.

I am requesting access to data in the following way:

- ☐ Inspection
- ☐ Copies
- ☐ Both Inspection and Copies

Note: Inspection is free but the City of Brainerd charges for copies when the cost is over \$5.00. **We will respond to your request within 10 Business Days.**

Police Records: Drop the form off at 225 East River Road, Brainerd, MN, 56401, fax to (218) 825-3489 or email to police@ci.brainerd.mn.us.

All other requests: Drop the form off at 501 Laurel Street, Brainerd, MN, 56401, fax to (218) 828-2316 or mail to inforequest@ci.brainerd.mn.us.

To Be Completed by Staff Member Responding to Data Request:

How Identity was Confirmed: _____

Date: _____

Staff Name: _____

Exhibit D

City of Brainerd Standards for Verifying Identity

The following constitute proof of identity:

- An **adult** individual must provide a valid photo ID, such as
 - a driver's license
 - a state-issued ID
 - a tribal ID
 - a military ID
 - a passport
 - the foreign equivalent of any of the above
- A **minor** individual must provide a valid photo ID, such as
 - a driver's license
 - a state-issued ID (including a school/student ID)
 - a tribal ID
 - a military ID
 - a passport
 - the foreign equivalent of any of the above
- The **parent or guardian of a minor** must provide a valid photo ID and either
 - a certified copy of the minor's birth certificate or
 - a certified copy of documents that establish the parent or guardian's relationship to the child, such as
 - a court order relating to divorce, separation, custody, foster care
 - a foster care contract
 - an affidavit of parentage
- The **legal guardian** for an individual must provide a valid photo ID and a certified copy of appropriate documentation of formal or informal appointment as guardian, such as
 - court order(s)
 - valid power of attorney
- A person **authorized by court** order must provide a valid photo ID and
 - The court order that identifies:
 - Persons authorized to access the individual's private data, and
 - The scope of the access
- A person authorized to access private data of a **deceased person** must provide a valid photo ID and
 - Documents establishing the relationship to the deceased, which may include:
 - Court-issued document appointing personal representative of the estate
 - Birth certificate to prove parental relationship
 - Marriage certificate to prove spousal relationship
 - Death certificate/notice of death
- Authorized representatives (such as **attorneys** and **insurers**) must provide
 - The name of the data subject
 - A description of the data they are authorizing access
 - The name of the person or entity being authorized to receive the private data
 - Data subject's notarized signature

Note: Individuals who do not inspect data or pick up copies of data in person may be required to provide either notarized or certified copies of the documents that are required or an affidavit of ID.

Exhibit E

City of Brainerd Notice to Persons Under 18

Some of the information you are asked to provide is classified as private under State law. You have the right to request that some or all of the information not be given to one or both of your parents/legal guardians. Please complete the form below if you wish to have information withheld.

Your request does not automatically mean that the information will be withheld. State law requires the City of Brainerd to determine if honoring the request would be in your best interest. The City of Brainerd is required to consider:

- Whether you are of sufficient age and maturity to explain the reasons and understand the consequences;
- Whether denying access may protect you from physical or emotional harm;
- Whether there are reasonable grounds to support your reasons; and
- Whether the data concerns medical, dental, or other health service provided under Minnesota Statutes Sections § 144.341 to 144.347. If so, the data may be released only if failure to inform the parent would seriously jeopardize your health.

Notice given to: _____

Date: _____

By: _____

Title: _____

REQUEST TO WITHHOLD INFORMATION

I request that the following information:

Be withheld from: _____

For these reasons:

Printed Name: _____

Signature: _____

Date: _____

Exhibit F

City of Brainerd Consent to Release Private Data

Request Date: _____

If you want the City of Brainerd to release private data about you, your minor child, or individual under guardianship to an outside entity or person, the city needs written permission (informed consent) from to you authorize that release. This form can be used to provide informed consent for the City of Brainerd to release private data to another entity or person.

If you have a question about anything about this consent, or would like more explanation before you sign it, please contact the appropriate individual listed in the Data Practices Contacts Exhibit A.

Explanation of your rights and permission to release private data:

I, _____, give my permission for the City of Brainerd to release data about
(Name of Individual Data Subject)

☐ myself

☐ my minor child or individual under guardianship: _____
(Name of Minor Child or Individual under Guardianship)

to _____ as described in this consent form.
(Name of Entity or Person Receiving the Data)

The specific data I want the City of Brainerd to release include:

Describe the data you are requesting to be released as specifically as possible.

I want the City of Brainerd to release the data in the following way:

Explain how you want the data to be provided to the person or organization and provide necessary contact information for doing so (for example, mailing address or, email address).

Consent to Release Private Data Page 1 of 2

I understand that:

- I do not have to allow the City of Brainerd to share my information; I have asked them to do so.
- Although the data are classified as private at the City of Brainerd, the classification/treatment of the data at the entity/person the data is being released to may not be the same.
- The City of Brainerd will not be able to control what happens to my information once it has been released to the person or entity named above.
- Signing this consent is completely voluntary.

Printed Name of data subject, parent, or legal guardian: _____

Signature: _____ Date: _____

Verification of Identity:

The City of Brainerd needs to verify that you are a person who has the right to authorize the release of this data. One way to do this is to provide a notarized signature using the section below. Please refer to the City of Brainerd Standards for Verifying Identity Exhibit D for additional information and documents required to support verification of identity.

STATE OF _____)

COUNTY OF _____)

Signed or attested before me on _____, by _____.

(Signature of Notary Public)

SEAL:

My Commission Expires: _____

For City of Brainerd internal use only:

If this form does not include a notarized signature, complete the following:

How Identity was Verified: _____

By (staff name): _____ Date: _____

Consent to Release Private Data Page 2 of 2

Exhibit G

City of Brainerd Law Enforcement Data Request Form – Data Subject

Request Date: _____

Data Request #: _____

Contact Information:

Data Subject Name: _____ Date of Birth: _____
(First) (Middle) (Last)

Parent/Guardian Name (if applicable): _____

Address: _____

Phone Number: _____ Email: _____

The data I am requesting:

Describe the data you are requesting as specifically as possible.

Date and Time of Incident: _____ Location of incident: _____

Incident Number: _____ Type of Incident (accident, theft, etc.): _____

I am requesting access to data in the following way:

☐ Inspection ☐ Copies ☐ Both Inspection and Copies

Note: Inspection is free but the City of Brainerd charges for copies when the cost is over \$5.00.

(Signature of Requestor) Date: _____

We will respond to your request within 10 Business Days.

Affidavit of Identity: Refer to the City of Brainerd Standards for Verifying Identity **Exhibit D.**

To be Completed by Staff: Valid Photo ID Type: _____ Verified By and Date: _____

To Be Completed by Notary (if the form is not returned in person):

STATE OF _____)

COUNTY OF _____)

Signed or attested before me on _____, by _____.

(Signature of Notary Public) SEAL:

My Commission Expires: _____

Exhibit H

City of Brainerd Body Worn Camera Video Request – Data Subject

Request Date: _____ **Data Request #:** _____

Contact Information: *The form must be submitted with a clear, color photo ID of the data subject.*

Data Subject Name: _____ Date of Birth: _____
(First) (Middle) (Last)

Parent/Guardian Name (if applicable): _____

Address: _____

Phone Number: _____ Email: _____

Video Requested:

Date and Time of Incident: _____ Location of incident: _____

Incident Number (if known): _____ Type of Incident (accident, theft, etc.): _____

Describe the video you are requesting as specifically as possible:

I am requesting access to data in the following way:

☐ Inspection ☐ Copies ☐ Both Inspection and Copies

Note: Inspection is free but the City of Brainerd charges for copies when the cost is over \$5.00.

By: _____ Date: _____
(Signature of Requestor)

We will respond to your request within 10 Business Days.

Affidavit of Identity:

To be Completed by Staff: Valid Photo ID Type: _____ Verified By and Date: _____

To Be Completed by Notary (if the form is not returned in person):

STATE OF _____)

COUNTY OF _____)

Signed or attested before me on _____, by _____.

(Signature of Notary Public) SEAL:

My Commission Expires: _____

Exhibit I

City of Brainerd Body Worn Camera Video Request – Outside Agency

Request Date: _____

Data Request #: _____

Portable recording system data that are not public may only be shared with or disseminated to another law enforcement agency, a government entity, or a federal agency upon meeting the standards for requesting access to data as provided in Minnesota Statutes 13.825, subdivision 7.

Requestor Information:

Name & Title: _____ Agency: _____

Phone Number: _____ Email: _____

Video Requested:

Date and Time of Incident: _____ Location of incident: _____

Incident Number (if known): _____ Type of Incident (accident, theft, etc.): _____

Describe the video you are requesting as specifically as possible:

Specified Law Enforcement Purpose for the Request:

I am requesting access to data in the following way:

☐ Inspection ☐ Copies ☐ Both Inspection and Copies

The law enforcement agency, government entity or federal agency in receipt of body worn camera acknowledges and agrees that they are required by law to fully comply with all requirements of Minnesota Statutes Section 13.825, subd. (8), regarding data classification, destruction, and security of portable recording system data received for law enforcement purposes.

By: _____ Date: _____
(Signature of Requestor)

For City of Brainerd internal use only:

Approved for Release: ☐ Yes ☐ No

By: _____ Date: _____
(Signature of Police Chief)

Comments: _____



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: First Reading - Proposed Ordinance 1570 - Amending City Code 1200.03 Subd. 6 Temporary Licenses

AGENDA: Main

ACTION REQUESTED: Approve/Deny Motion

SUBMITTED BY: Connie Hillman, Finance Director

DEPARTMENT: Finance

PRESENTER: Connie Hillman, Finance Director

ESTIMATED TIME (MIN): 5 Minutes

SUMMARY OF ISSUE:

At the July 1, 2024, council meeting, Council directed Staff to draft an ordinance to amend City Code 1200.03 Subd. 6 to match state statute. State statute states a municipality may not issue more than three four-day, four three-day, six two-day, or 12 one-day temporary licenses, in any combination not to exceed 12 days in a year. The current city code is more lenient than state statute and therefore is out of compliance.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

RECOMMENDED ACTION/MOTION:

Motion to conduct the 1st reading of Proposed Ordinance No. 1570, an ordinance amending section 1200 of the Brainerd City Code pertaining to intoxicating liquor and dispense with the actual reading of the ordinance.

* Note: a vote to dispense with the actual reading of the ordinance must be unanimous.

FINANCIAL IMPACT:

**ORDINANCE
NO. 1570**

**AN ORDINANCE AMENDING SECTION 1200 OF THE BRAINERD
CITY CODE PERTAINING TO INTOXICATING LIQUOR**

THE CITY COUNCIL OF THE CITY OF BRAINERD DOES ORDAIN:

SECTION ONE: That Section 1200.03 – License Required shall be amended to read:

Subd. 6. Temporary Licenses. A temporary on-sale intoxicating liquor license may be issued to any club, charitable, religious, or other non-profit organization which has its principal location within the City of Brainerd, and which has been in existence for a period of not less than three (3) years at the time of making an application for this license. This temporary on-sale intoxicating liquor license shall only be issued for a social event occurring within the City limits of Brainerd and which is being sponsored by the licensee. The license may authorize on-sales on the premises other than the premises the licensee owns or permanently occupies. The license may provide that the licensee may contract for intoxicating liquor catering services with the holder of a full year on-sale intoxicating liquor license issued by the City of Brainerd. The fee for such license shall be \$135.00 per day and shall be issued for not more than three (3) ~~four-day, four three-day, six two-day, or 12 one-day temporary licenses, in any combination not to exceed 12 days per year to any organization within a 12- month period.~~ consecutive days. ~~No organization shall be granted more than six (6) such licenses per calendar year.~~ This license shall not be effective unless approved by the Commissioner of Public Safety for the State of Minnesota

SECTION TWO: All other provisions of Section 1200 shall remain in full force and effect.

SECTION FOUR: This ordinance shall take effect and be in force one week from and after its publication.

Adopted this _____ day of _____ 2024

KELLY BEVANS
President of the Council

Approved this _____ day of _____ 2024

DAVE BADEAUX
Mayor

ATTEST: _____
NICHOLAS W. BROYLES
City Administrator



City Council Agenda Request

MEETING DATE: July 15, 2024

TITLE OF ITEM: First Reading - Proposed Ordinance 1571 - Prohibiting Camping in the City of Brainerd

AGENDA: Main

ACTION REQUESTED: Ordinance

SUBMITTED BY: James Kramvik, Community Development Director

DEPARTMENT: Community Development

PRESENTER: James Kramvik, Community Development Director, John Davis, Police Chief

ESTIMATED TIME (MIN): 5 min

SUMMARY OF ISSUE:

Settlements of unhoused individuals (also known as "encampments") in public spaces is a growing social, public safety, and environmental concern faced by cities of all sizes, including Brainerd. The dynamics of homelessness, both short and longer term, are extremely complex, reflecting a wide range of contributing factors. It is recognized that, like many cities, Brainerd's housing stock and price dynamics can create an affordability challenge, causing unstable housing for some.

Historically, in Brainerd and elsewhere, encampments have attracted and involved people experiencing significant addiction and mental health challenges, as well as individuals who seek to take advantage of those staying in encampments. Among other problems, encampments tend to result in the accumulation of garbage and human waste, which creates a health hazard and can contaminate the ground and water. Other typical hazards include drug paraphernalia (e.g., needles) and unchecked fires associated with cooking, often involving explosive fuels. Encampments are also prone to a heightened physical safety and property risk for those in the encampments as well as those who may be present in the same area. Encampments also tend to cause damage or disruption to the soil and forested areas.

ALTERNATIVE, OPTIONS, EFFECTS ON OTHERS/COMMENTS:

The Community Development Department and Police Department receive calls each year from concerned residents regarding homeless encampments and structures within the City. The Zoning Code prohibits a cellar, garage, tent, travel trailer, motor home, or fish house from being used as a dwelling unit. A zoning violation or citation can be sent to a property owner if they are in violation of this section of the code. However, the Zoning Code only applies to private property and not the right-of-way or public property.

Currently, the Brainerd Police Department cannot remove an individual from the right-of-way, public property, or a City park as the Code does not prohibit encampments on public property. This proposed ordinance would prohibit and criminalize encampments and would allow the Police Department to arrest/ remove an individual that does not voluntarily comply. However, the first objective of the Police Department is to attempt to work with individuals experiencing homelessness. The Police Department

has an imbedded social worker that works with an individual to figure out their needs and helps find a shelter/ bed for them to reside in. Staff have attached the Brainerd Police Department's policy manual pertaining to homeless persons.

The primary area with homeless encampments in the City is the area west of Evergreen Landing. In a typical year, there are three to five separate encampments with a total of 10 to 20 individuals.

The Safety and Public Works Committee reviewed the Rochester Ordinance at the July 1st City Council meeting and directed staff to draft a similar Ordinance that also prohibits encampments on other public lands such as tax-forfeit property and to remove language that allows an individual to remain in an illegal encampment if there is not a shelter bed available. Staff met with the Baxter staff to discuss this ordinance as homelessness is a community and regional issue and there was support for a collaborative and consistent approach moving forward. The meeting was beneficial to help figure out how this proposed ordinance would be enforced and to potentially create a common ordinance adopted by both cities. As a result of the discussion, staff is recommending that encampments are prohibited for all properties within the City limits of Brainerd.

RECOMMENDED ACTION/MOTION:

Option 1: Conduct the first reading of Proposed Ordinance 1571 and dispense with the actual reading.

Note: A vote to dispense with the actual reading of the ordinance must be unanimous.

Option 2: Direct staff to make changes and conduct the first reading of Proposed Ordinance 1571 and dispense with the actual reading.

Option 3: Direct staff to make changes and conduct the first reading at the next meeting.

FINANCIAL IMPACT: N/A

**ORDINANCE
NO. 1571**

AN ORDINANCE PROHIBITING CAMPING IN THE CITY

THE CITY COUNCIL OF THE CITY OF BRAINERD DOES ORDAIN:

SECTION ONE: Purpose

1. Settlements of unhoused individuals (also known as "encampments") in public spaces is a growing social, public safety, and environmental concern faced by cities of all sizes, including Brainerd. The dynamics of homelessness, both short and longer term, are extremely complex, reflecting a wide range of contributing factors. It is recognized that, like many Cities, Brainerd's housing stock and price dynamics can create an affordability challenge, causing unstable housing for some.
2. Historically, in Brainerd and elsewhere, encampments have attracted and involved people experiencing significant addiction and mental health challenges, as well as individuals who seek to take advantage of those staying in encampments. Among other problems, encampments tend to result in accumulation of garbage and human waste, which creates a health hazard and can contaminate the ground and water. Other typical hazards include drug paraphernalia (e.g., needles) and unchecked fires associated with cooking, often involving explosive fuels. Encampments are also prone to a heightened physical safety and property risk for those in the encampments as well as those who may be present in the same area. Encampments also tend to cause damage or disruption to the soil and forested areas.
3. Many in the community, including public and private entities, have responded to the needs of those experiencing housing instability, providing significant levels of resources and services.
4. In addition to the City's efforts to connect unhoused individuals with resources and services, the City also has an obligation to make best efforts to provide a safe and clean environment for other members of the community who want or need to use public spaces. Access to parks, trails, schools, green spaces, public transportation, and the protection of public utilities and infrastructure is a community good for all.
5. While many unhoused individuals are able to exist in a space that does not cause public disruption, it is also true that many encampments do create significant harms, for both the unhoused individuals as well as members of the public attempting to use the same spaces. Law enforcement personnel, who have had primary responsibility for responding to encampment areas, need to be supported with effective tools to address these complex situations. Encampments and unsheltered individuals who create the most social harm cannot be ignored or just moved from one space to the next.

SECTION TWO: Section 2045 of the City Code is hereby added with the following new language underlined.

Section 2045 - Camping

2045.01 - Definitions. Subdivision 1. For the purposes of this section, the following words, terms and abbreviations shall have the definitions given to them.

Subd. 2 City refers to the City of Brainerd, Minnesota

Subd. 3 Camp means to set up, or to remain in or at a campsite.

Subd. 4 Campsite means any place where any tent, lean-to, shack, or other structure, any vehicle or part thereof, or any bedding, sleeping bag, or other sleeping matter, or any stove or fire is placed, established, or maintained for the purpose of establishing or maintaining a temporary place to live.

2045.03 - Prohibition. Subdivision 1. No person shall camp in or upon any public property in the City except in any location where camping has been expressly allowed by the officer or agency having the control, management and supervision of the public property in question.

Subd. 2. No person shall camp upon any private property in the City without the express written consent of the property owner or the owner's agent, and only in such locations where camping may be conducted in accordance with any other applicable city law.

Subd. 3. Any camping or campsite materials or personal property associated with a camping area that is in violation of this ordinance may be removed or cleaned up by the City or its designated contractors. The City will continue to utilize encampment protocols that will provide notice (verbal or in writing), and a reasonable period of time (generally a maximum of 48 hours) for persons to access available services and seek shelter options.

2045.05 - Criminal Penalty. Subdivision 1. Any violation of this section is deemed a misdemeanor, as defined in Minnesota Statute §609.02, subd. 3, currently a crime for which a sentence of not more than 90 days or a fine of not more than \$1,000, or both, may be imposed.

Subd. 2. No person may be prosecuted under this chapter unless:

1. The person has been informed of the various charitable and social services available to the person, including shelter options as well as daytime services; and

2. The person has been warned that their conduct is a violation of this section, subject to criminal prosecution. An individual who has been warned and then relocates to another space that a reasonable person would understand is also covered by this section is not entitled to a new warning.

2045.07 - Prioritization of Enforcement. Subdivision 1. Recognizing that enforcement resources are insufficient to cover all included spaces at all times, prioritization will be given to the following spaces:

1. In, or within 100 feet of, a City Park.
2. Within 250 feet of a preschool, kindergarten, elementary or secondary school, or a licensed childcare center.
3. The area of the sidewalk corridor on City sidewalks intended for pedestrian travel or access to public transit.
4. Upon or within 250 feet of a lot or parcel containing an electric utility substation or electric power generation facility.
5. Upon or within 250 feet of a lot or parcel containing a water utility pumping facility or water storage facility.
6. Areas posted as no-trespassing by authorized City personnel.

SECTION THREE: This ordinance shall take effect and be in full force one week from and after its publication.

Adopted this ____ day of _____ 2024

KELLY BEVANS
President of the Council

Approved this ____ day of _____ 2024

DAVE BADEAUX
Mayor

ATTEST: _____
NICHOLAS W. BROYLES
City Administrator

Homeless Persons

428.1 PURPOSE AND SCOPE

The purpose of this policy is to ensure that personnel understand the needs and rights of the homeless and to establish procedures to guide officers during all contacts with the homeless, whether consensual or for enforcement purposes. The Brainerd Police Department recognizes that members of the homeless community are often in need of special protection and services. The Brainerd Police Department will address these needs in balance with the overall missions of this department. Therefore, officers will consider the following policy when serving the homeless community.

428.2 POLICY

It is the policy of the Brainerd Police Department to provide law enforcement services to all members of the community while protecting the rights, dignity and private property of the homeless. Homelessness is not a crime and members of this department will not use homelessness solely as a basis for detention or law enforcement action.

428.3 HOMELESS COMMUNITY LIAISON

The Chief of Police will designate the Deputy Chief to act as the Homeless Liaison Officer. The responsibilities of the Homeless Liaison Officer include the following:

- (a) Maintain and make available to all Department employees a list of assistance programs and other resources that are available to the homeless.
- (b) Meet with social services and representatives of other organizations that render assistance to the homeless.
- (c) Maintain a list of those areas within and near this jurisdiction that are used as frequent homeless encampments.
- (d) Remain abreast of laws dealing with the removal and/or destruction of the personal property of the homeless. This will include the following:
 - 1. Proper posting of notices of trespass and clean-up operations.
 - 2. Proper retention of property after clean up, to include procedures for owners to reclaim their property in accordance with the Property Procedures Policy and other established procedures.
- (e) Be present during any clean-up operation conducted by this department involving the removal of personal property of the homeless to ensure the rights of the homeless are not violated.
- (f) Develop training to assist officers in understanding current legal and social issues relating to the homeless.

Homeless Persons

428.4 FIELD CONTACTS

Officers are encouraged to contact the homeless for purposes of rendering aid, support and for community-oriented policing purposes. Nothing in this policy is meant to dissuade an officer from taking reasonable enforcement action when facts support a reasonable suspicion of criminal activity. However, when encountering a homeless person who has committed a non-violent misdemeanor and continued freedom is not likely to result in a continuation of the offense or a breach of the peace, officers are encouraged to consider long-term solutions to problems that may relate to the homeless, such as shelter referrals and counseling in lieu of physical arrest. Officers should provide homeless persons with resource and assistance information whenever it is reasonably apparent such services may be appropriate.

428.4.1 OTHER CONSIDERATIONS

Homeless members of the community will receive the same level and quality of service provided to other members of our community. The fact that a victim or witness is homeless can, however, require special considerations for a successful investigation and prosecution. Officers should consider the following when handling investigations involving homeless victims, witnesses or suspects:

- (a) Documenting alternate contact information. This may include obtaining addresses and telephone numbers of relatives and friends.
- (b) Document places the homeless person may frequent.
- (c) Provide homeless victims with victim/witness resources when appropriate.
- (d) Obtain statements from all available witnesses in the event a homeless victim is unavailable for a court appearance.
- (e) Consider whether the person may be a dependent adult or elder and if so proceed in accordance with the Adult Abuse Policy.
- (f) Arrange for transportation for investigation-related matters, such as medical exams and court appearances.
- (g) Consider whether a crime should be reported and submitted for prosecution even when a homeless victim indicates he/she does not desire prosecution.

428.5 PERSONAL PROPERTY

The personal property of homeless persons must not be treated differently than the property of other members of the public. Officers should use reasonable care when handling, collecting and retaining the personal property of homeless persons and should not destroy or discard the personal property of a homeless person.

When a homeless person is arrested or otherwise removed from a public place, officers should make reasonable accommodations to permit the person to lawfully secure his/her personal property. Otherwise, the arrestee's personal property should be collected for safekeeping. If the arrestee has more personal property than can reasonably be collected and transported by the

Homeless Persons

officer, a supervisor should be consulted. The property should be photographed and measures should be taken to remove or secure the property. It will be the supervisor's responsibility to coordinate the removal and safekeeping of the property.

Officers should not conduct or assist in clean-up operations of belongings that reasonably appear to be the property of homeless persons without the prior authorization of a supervisor or the Department Homeless Liaison Officer. When practicable, requests by the public for clean-up operations of a homeless encampment should be referred to the Homeless Liaison Officer.

Officers who encounter unattended encampments, bedding or other personal property in public areas that reasonably appears to belong to a homeless person should not remove or destroy such property and should inform the Department Homeless Liaison Officer if such property appears to involve a trespass, blight to the community or is the subject of a complaint. It will be the responsibility of the Homeless Liaison Officer to address the matter in a timely fashion.

428.6 MENTAL ILLNESSES AND MENTAL IMPAIRMENTS

Some homeless persons may suffer from a mental illness or a mental impairment. Officers shall not detain a homeless person under a 72-hour emergency medical hold unless facts and circumstances warrant such a detention.

428.7 ECOLOGICAL ISSUES

Sometimes homeless encampments can affect the ecology and natural resources of the community and may involve criminal offenses beyond mere littering. Officers are encouraged to notify other appropriate agencies or departments when a significant impact to the environment has or is likely to occur. Significant impacts to the environment may warrant a crime report, investigation, supporting photographs and supervisor notification.

From: [James Kramvik](#)
Cc: [Nick Broyles](#); [Toni Gage](#)
Subject: FW: Ordinance
Date: Friday, July 12, 2024 1:01:35 PM
Attachments: [image001.png](#)
[Camping Ordinance \(002\).docx](#)

Hi All,

Please reference the email below from Council member Terry for consideration at the next council meeting, have a great weekend!

Regards,

James Kramvik



James Kramvik | Community Development Director
City of Brainerd | 501 Laurel Street Brainerd MN 56401
218-454-3408 | jkramvik@ci.brainerd.mn.us

From: Kara Terry <Kara.Terry@crowwing.gov>
Sent: Friday, July 12, 2024 12:10 PM
To: James Kramvik <jkramvik@ci.brainerd.mn.us>; Rachel Zetah <Rachel.Zetah@crowwing.gov>
Subject: RE: Ordinance

*** **Warning:** External sender, use extreme caution with attachments and links ***

Hi James.

I have made some changes to the ordinance and would appreciate consideration of this new document rather than the original ordinance. I have two sources to cite too:

chrome-extension://efaidnbmninnbpcjpcglclefindmkaj/<https://nchj.org/wp-content/uploads/2021/09/NCHJ-Statement-on-Criminalization-of-Homelessness.pdf>
<https://nhchc.org/clinical-practice/homeless-services/encampments/>

Kara Terry (She/Her)

Director - Crow Wing County Community Services
204 Laurel Street
Brainerd, MN 56401
Direct Office: (218) 824-1205
Cell Phone: 763-244-6804
www.crowwing.us

Our Vision: Being Minnesota's favorite place.

Our Mission: Serve well. Deliver value. Drive results.

Our Values: Be responsible. Treat people right. Build a better future.

This e-mail and any attachment is intended to be read only by the intended recipient. This e-mail may be legally privileged or protected from disclosure by law. If you are not the intended recipient, any dissemination of this e-mail or any attachments is strictly prohibited, and you should refrain from reading this e-mail or examining any attachments. If you received this e-mail in error, please notify the sender immediately and delete this e-mail and any attachments. Thank you.

I recognize my working day may not be your working day. I respect your boundaries around personal time, well-being, caretaking, and rest. If you receive correspondence from me outside your working hours, please do not feel obliged to reply until you are working.

From: James Kramvik <jkramvik@ci.brainerd.mn.us>

Sent: Thursday, July 11, 2024 9:30 AM

To: Rachel Zetah <Rachel.Zetah@crowwing.gov>

Cc: Kara Terry <Kara.Terry@crowwing.gov>

Subject: Ordinance

This message was sent from outside your organization. Please proceed with caution.

Hi Rachel,

In preparation for our meeting today I wanted to send the final ordinance draft for you to review. Staff worked with the City of Baxter staff to potentially create a cohesive ordinance between the two communities while still including the recommended changes and direction from Brainerd City Council.

Regards,

James Kramvik



James Kramvik | Community Development Director
City of Brainerd | 501 Laurel Street Brainerd MN 56401
218-454-3408 | jkramvik@ci.brainerd.mn.us

**ORDINANCE
NO. 1571**

AN ORDINANCE PROHIBITING CAMPING IN THE CITY

THE CITY COUNCIL OF THE CITY OF BRAINERD DOES ORDAIN:

SECTION ONE: Purpose

1. ~~Homeless encampments are highly visible and troubling reminders of the housing crisis in our county. Encampments occur because there is a pervasive lack of affordable, permanent housing in our communities. Settlements of unhoused individuals (also known as "encampments") in public spaces is a growing social, public safety, and environmental concern faced by cities of all sizes, including Brainerd. The dynamics of homelessness, both short and longer term, are extremely complex, reflecting a wide range of contributing factors. It is recognized that, like many Cities, Brainerd's housing stock and price dynamics can create an affordability challenge, causing unstable housing for some.~~
2. ~~Historically, in Brainerd and elsewhere, encampments have attracted and involved people experiencing significant addiction and mental health challenges, as well as individuals who seek to take advantage of those staying in encampments. Among other problems, encampments tend to result in accumulation of garbage and human waste, which creates a health hazard and can contaminate the ground and water. Other typical hazards include drug paraphernalia (e.g., needles) and unchecked fires associated with cooking, often involving explosive fuels. Encampments are also prone to a heightened physical safety and property risk for those in the encampments as well as those who may be present in the same area. Encampments also tend to cause damage or disruption to the soil and forested areas. The city of Brainerd recognizes the criminalization of homelessness makes many basic, life-sustaining acts into violations of law and only perpetuates the issue rather than helping to end homelessness. The enforcement of these laws trigger a series of deep and wide-ranging harms against individuals, families, and communities and can further the issue of homelessness.~~
3. Many in the community, including public and private entities, have responded to the needs of those experiencing housing instability, providing significant levels of resources and services.
4. In addition to the City's efforts to connect unhoused individuals with resources and services, the City also has an obligation to make best efforts to provide a safe and clean environment for ~~all~~other members of the community who want or need to use public spaces. Access to parks, trails, schools, green spaces, public transportation, and the protection of public utilities and infrastructure is a community good for all.
5. ~~While many unhoused individuals are able to exist in a space that does not cause public disruption, it is also true that many encampments do create significant harms, for both the unhoused individuals as well as members of the public attempting to use the same spaces. Law enforcement personnel, who have had primary responsibility for responding to encampment areas, need to be supported with effective tools to address these~~

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~~complex situations. Encampments and unsheltered individuals who create the most social harm cannot be ignored or just moved from one space to the next. The city of Brainerd looks to data to inform policy decisions and recognizes encampments often decrease criminality as those with mental health problems or substance use disorders are much more dangerous to themselves than to others and represent a small minority of people experiencing homelessness, though people experiencing these crises may often be most visible to other neighbors. In addition, fines and fees or jail time make it more difficult for individuals to save enough money to exit homelessness. Any involvement in the criminal legal system makes it more difficult to get and keep employment, to qualify for housing, and/or keep families together. In other words, criminalizing homelessness actually ensures people stay on the streets longer.~~

SECTION TWO: Section 2045 of the City Code is hereby added with the following new language underlined.

Section 2045 - Camping

2045.01 - Definitions. Subdivision 1. For the purposes of this section, the following words, terms and abbreviations shall have the definitions given to them.

Subd. 2. *City* refers to the City of Brainerd, Minnesota

Subd. 3. *Camp* means to set up, or to remain in or at a campsite.

Subd. 4. *Campsite* means any place where any tent, lean-to, shack, or other structure, any vehicle or part thereof, or any bedding, sleeping bag, or other sleeping matter, or any stove or fire is placed, established, or maintained for the purpose of establishing or maintaining a temporary place to live.

2045.03 - Prohibition. Subdivision 1. No person shall camp in or upon any public property in the City except in any location where camping has been expressly allowed by the officer or agency having the control, management and supervision of the public property in question.

Subd. 2. No person shall camp upon any private property in the City without the express written consent of the property owner or the owner's agent, and only in such locations where camping may be conducted in accordance with any other applicable city law.

Subd. 3. Any camping or campsite materials or personal property associated with a camping area that is in violation of this ordinance may be removed or cleaned up by

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the City or its designated contractors. The City will continue to utilize encampment protocols that will provide notice (verbal or in writing), and a reasonable period of time (generally a maximum of 4872 hours) for persons to access available services and seek shelter options.

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2045.05 - Criminal Penalty. Subdivision 1. Any violation of this section is deemed a misdemeanor, as defined in Minnesota Statute §609.02, subd. 3, currently a crime for which a sentence of not more than 90 days or a fine of not more than \$1,000, or both, may be imposed.

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Subd. 2. No person may be prosecuted under this chapter unless:

1. The person has been informed of the various charitable and social services available to the person, including shelter options as well as daytime services; and/or
2. Confirmation person is actively working with social services or other community provider to address unhoused needs, and
3. The person has been warned that their conduct is a violation of this section, subject to criminal prosecution. An individual who has been warned and then relocates to another space that a reasonable person would understand is also covered by this section is not entitled to a new warning.

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2045.07 - Prioritization of Enforcement. Subdivision 1. Recognizing that enforcement resources are insufficient to cover all included spaces at all times, prioritization will be given to the following spaces:

1. In, or within 100 feet of, a City Park.
2. Within 250 feet of a preschool, kindergarten, elementary or secondary school, or a licensed childcare center.
3. The area of the sidewalk corridor on City sidewalks intended for pedestrian travel or access to public transit.
4. Upon or within 250 feet of a lot or parcel containing an electric utility substation or electric power generation facility.
5. Upon or within 250 feet of a lot or parcel containing a water utility pumping facility or water storage facility.
6. Areas posted as no-trespassing by authorized City personnel.

SECTION THREE: This ordinance shall take effect and be in full force one week from and after its publication.

Adopted this ____ day of _____ 2024

Approved this ____ day of _____ 2024

KELLY BEVANS
President of the Council

DAVE BADEAUX
Mayor

ATTEST: _____
NICHOLAS W. BROYLES
City Administrator

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From: [James Kramvik](#)
Cc: [Toni Gage](#); [Nick Broyles](#); [John Davis](#)
Subject: Camping Ordinance
Date: Monday, July 15, 2024 3:18:34 PM
Attachments: [image001.png](#)
[Memorandum RE BRD BAX Ordinances v4.pdf](#)

Hi All,

This is from Severson Porter regarding the proposed Camping Ordinance.

CONCLUSION

With regard to constitutionality, Ordinance NO. 1571 is not repugnant to Eighth Amendment jurisprudence. States and cities have broad and historical authority to secure a conviction when the accused has committed some act that society has an interest in preventing. The proposed Brainerd ordinance relatively mimics the City of Grants Pass's ordinance discussed here. Therefore, the proposed Brainerd ordinance is constitutionally valid.

Regards,

James Kramvik



James Kramvik | Community Development Director
City of Brainerd | 501 Laurel Street Brainerd MN 56401
218-454-3408 | jkramvik@ci.brainerd.mn.us

MEMORANDUM

TO: Brainerd City Council
FROM: Severson Porter Law
DATE: July 12, 2024
RE: Ordinance NO. 1571

INTRODUCTION

Throughout the United States, states and cities have been promulgating law to address the escalating issue of homelessness and its associated byproducts. On June 28, 2024, the United States Supreme Court upheld a law in the City of Grants Pass, Oregon which prohibited sleeping or camping on public property. This law imposed progressive penalties including civil fines, exclusion orders, and criminal prosecution for trespassing.

The primary contention against the Grants Pass City law was whether it violated the Eighth Amendment of the United States Constitution. However, the Supreme Court ruled that as long as the ordinance does not criminalize a person's status- in this case, homelessness- and the penalties are not 'cruel and unusual', it will be deemed constitutionally valid. This ruling underscores the principle that laws should target actions, not conditions, thereby upholding the dignity and rights of all individuals, regardless of their circumstances.

DISCUSSION

The Eighth Amendment's Cruel and Unusual Punishments Clause "has always been considered, and properly so, to be directed at the method or kind of punishment" a government may "impos[e] for the violation of criminal statutes." City of Grants Pass, Oregon v. Johnson, 144 S. Ct. 2202 (2024).

The City of Grants Pass imposed only limited fines for first-time offenders, an order temporarily barring an individual from camping in a public park for repeat offenders, and

a maximum sentence of 30 days in jail for those who later violate an order. *See* Ore. Rev. Stat. §§ 164.245, 161.615(3). Such punishments do not qualify as cruel because they are not designed to “superad[d]” “terror, pain, or disgrace.” Bucklew, 587 U.S., at 130, 139 S.Ct. 1112 (internal quotation marks omitted). Nor are they unusual, because similarly limited fines and jail terms have been and remain among “the usual mode[s]” for punishing criminal offenses throughout the country. Pervear v. Commonwealth, 5 Wall. 475, 480, 18 L.Ed. 608.

“[O]n its face, the Cruel and Unusual Punishments Clause does not speak to questions like what a State may criminalize or how it may go about securing a conviction.” City of Grants Pass, Oregon v. Johnson, 144 S. Ct. 2202 (2024). Only exception to this is an ordinance that criminalizes status, such as status of being a drug addict. Robinson v. California, 370 U.S. 660, 82 S.Ct. 1417, 8 L.Ed.2d 758 (holding California could not enforce a law providing that “ ‘[n]o person shall ... be addicted to the use of narcotics.’ ”). Therefore, as long as the ordinance in effect does not criminalize the status of being homeless, then the ordinance will survive an Eighth Amendment challenge.

In Johnson, the City of Grant Pass’s public-camping laws prohibited actions undertaken by any person, regardless of status. It makes no difference whether the charged defendant is currently a person experiencing homelessness, a backpacker on vacation, or a student who abandons his dorm room to camp out in protest on the lawn of a municipal building. Likewise, this ordinance is no different than the Texas statute making it a crime to ‘get drunk or be found in a state of intoxication in any public place.’ Powell v. State of Tex., 392 U.S. 514, 88 S. Ct. 2145, 20 L. Ed. 2d 1254 (1968).

Therefore, Ordinance NO. 1571 as written is constitutional because it focuses on the conduct or the act of camping upon public and private property, regardless of the status of the individual doing so. *See* Proposed City Code § 2045.03, Subd. 1-3. Moreover, nowhere in City Code § 2045, Subd. 1-3, does it even mention the status of being homeless.

CONCLUSION

With regard to constitutionality, Ordinance NO. 1571 is not repugnant to Eighth Amendment jurisprudence. States and cities have broad and historical authority to secure a conviction when the accused has committed some act that society has an interest in preventing. The proposed Brainerd ordinance relatively mimics the City of Grants Pass's ordinance discussed here. Therefore, the proposed Brainerd ordinance is constitutionally valid.