

City of Pottersville - Council Agenda

Thursday, February 16, 2023 – 7:00 p.m. – Pottersville City Hall, 319 N. Nelson Street

- A. Call to Order:**
- B. Pledge of Allegiance:**
- C. Roll Call:**
- D. Approval of Agenda:**
- E. Approval of Minutes:** Meeting minutes from January 19, 2023
- F. Approval of Bills:** General Bills of \$52,102.68
- G. City Manager's Report:** Manager's report in the packet.
- H. Public Comment on non-agenda items:**
- I. Public Comment on agenda items:**
- J. Department Reports:** Reports in the packet.
- K. New Business:**
 - a) Resolution 2023-0216-02 Utility rates
- L. Communications from Council:**
- M. Next Regular Meeting:** Thursday, March 16, 2023, at 7:00 p.m.
- N. Excuse absent member(s):**
- O. Adjourn:**

City of Potterville

319 N. Nelson St. ♦ PO Box 488 ♦ Potterville, MI 48876 ♦ Phone: (517) 645-7641
Fax: (517) 645-7810 ♦ www.pottervillemi.org

The City Council Meeting was called to order by Mayor Lenneman on Thursday, January 19, 2023, at 7:00 pm and the Pledge of Allegiance was recited.

Roll Call: Present: Mayor Lenneman, Deputy Mayor Potter, Member Nichols, Member Pulda, Member Ranshaw, Member Smalley, and Member Sweeney.

Absent: None

Approval of Agenda: Motion by Deputy Mayor Potter. Supported by Member Nichols. Vote: Unanimous. Motion Carried (7-0).

Approval of Minutes: Motion by Member Smalley. Supported by Member Ranshaw. Vote: Unanimous. Motion Carried (7-0).

Approval of Bills: Motion by Member Pulda to approve payment of General Bills in the amount of \$130,967.75. Supported by Member Smalley. Roll Call Vote: Unanimous. Motion Carried (7-0).

City Manager's Report: Manager's report is in the January 19, 2023, Council packet.

Public Comment on Agenda Items: None

Department Reports: Zoning Administrator Miller is working with the Right of Way permits with each of the internet companies and quickly handles the complaints. The Cambria project is moving forward. All the deeds are recorded. The manager shared that TIFA is saving for Capital improvement plan and they are working with banks to see what they can offer for a good interest rate on a 1 yr. CD.

New Business:

Election of Mayor: Motion by Deputy Mayor Potter to nominate Jennifer Lenneman. Lenneman accepted the nomination. Supported by Member Smalley. Roll Call Vote: Unanimous. Motion Carried (7-0).

Election of Deputy Mayor: Motion by Member Smalley to nominate Michael Potter. Potter accepted the nomination. Supported by Member Pulda. Vote: Unanimous. Motion Carried (7-0).

Approve City Council dates for Meetings 2023: Motion by Deputy Mayor Potter. Supported by Member Nichols. Roll Call Vote: Unanimous. Motion Carried (7-0).

City of Potterville

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Resolution No. 23-0119-01 – Recreation Passport Grant Program Development Project Agreement: Motion by Deputy Mayor Potter. Supported by Member Pulda. Vote: Roll Call Vote: Unanimous. Motion Carried (7-0).

Enter Closed Session for City Manager and City Clerk Evaluations: Motion by Deputy Mayor Potter. Supported by Member Ranshaw. Vote: Unanimous. Motion Carried. (7-0).

Exit Closed Session for City Manager and City Clerk Evaluations: Motion by Member Smalley. Supported by Member Pulda. Vote: Unanimous. Motion Carried. (7-0).

Public Comment on Non-Agenda Items: None

Communications from Mayor and Council: Council Members believe this has been a good year for the council and are glad to have the Mayor and Deputy Mayor to continue in their positions. Mayor Lenneman thanks them for their trust in her leadership.

Next Meeting: February 16, 2023

Excuse Absent Members: None

Meeting Adjourned: 8:08 pm

Respectfully Submitted by:

Becky Dolman
City Clerk

02/09/2023 12:26 PM

User: RDOLMAN

DB: Potterville

CUSTOM INVOICE REPORT FOR CITY OF POTTERVILLE
 EXP CHECK RUN DATES 01/20/2023 - 02/09/2023
 BOTH JOURNALIZED AND UNJOURNALIZED OPEN AND PAID
 BANK CODE: GEN

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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: ABFALTER REPAIR LLC		
162	CALIBRATED SALT SPINNER	257.50
TOTAL VENDOR ABFALTER REPAIR LLC		257.50
VENDOR NAME: ACE HARDWARE-GRAND LEDGE		
4106	PAINT SUPPLIES	151.39
4080	HEX WASHERS 10 X	6.79
4123	FUSE	19.99
TOTAL VENDOR ACE HARDWARE-GRAND LEDGE		178.17
VENDOR NAME: ALTOGAS, INC		
602799	PROPANE AT 4300 SUNSET LANE	1,469.42
TOTAL VENDOR ALTOGAS, INC		1,469.42
VENDOR NAME: APPLIED IMAGING		
2140859	COPIER SERVICE FOR 2/8/-3/7/23	38.10
TOTAL VENDOR APPLIED IMAGING		38.10
VENDOR NAME: BOBCAT OF LANSING		
20544	BOBCAT REPAIR	154.98
TOTAL VENDOR BOBCAT OF LANSING		154.98
VENDOR NAME: BS&A SOFTWARE		
145364	BUILDING ANNUAL SUPPORT FEE	785.00
TOTAL VENDOR BS&A SOFTWARE		785.00
VENDOR NAME: CITY OF POTTERVILLE		
12/23/22-1/25/23	UTILITIES	804.06
TOTAL VENDOR CITY OF POTTERVILLE		804.06
VENDOR NAME: CONSUMERS ENERGY		
1/1-1/31/2023	UTILITIES	2,117.05
12/23/22-1/24/23	UTILITIES	10,199.88
TOTAL VENDOR CONSUMERS ENERGY		12,316.93
VENDOR NAME: DELTA DENTAL		
2/1/-2/28/23	DENTAL BENEFITS	938.66
TOTAL VENDOR DELTA DENTAL		938.66
VENDOR NAME: DETROIT SALT CO		
123-19159	ROCK SALT	2,917.39
TOTAL VENDOR DETROIT SALT CO		2,917.39
VENDOR NAME: DUELL, JESSICA		
02/06/23	REIMBURSEMENT OF HIT MAILBOX	59.16
TOTAL VENDOR DUELL, JESSICA		59.16
VENDOR NAME: EATON COUNTY SHERIFF'S DEPARTMENT		
2023-0000008	WORK CREW SERVICES 1/5 & 1/12/2023	600.00
2023-00000010	FULL DAY WORK CREW SERVICES 1/19 & 1/26/	600.00
TOTAL VENDOR EATON COUNTY SHERIFF'S DEPARTMENT		1,200.00
VENDOR NAME: ELHORN ENGINEERING		
295847	EL-CHLOR 30 GAL DRUM	545.00
TOTAL VENDOR ELHORN ENGINEERING		545.00
VENDOR NAME: EUROFINS EATON ANALYTICAL, INC		
8100034589	RADIUM TESTS	280.00
TOTAL VENDOR EUROFINS EATON ANALYTICAL, INC		280.00
VENDOR NAME: FCI AUTOMATION - LANSING		
59830	Z SERIES HOSE ASSY	50.16
TOTAL VENDOR FCI AUTOMATION - LANSING		50.16
VENDOR NAME: FERGUSON ENTERPRISES, INC		
0171549	MAGNET	39.65

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User: RDOLMAN

DB: Potterville

CUSTOM INVOICE REPORT FOR CITY OF POTTERVILLE
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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: FERGUSON ENTERPRISES, INC		
TOTAL VENDOR FERGUSON ENTERPRISES, INC		39.65
VENDOR NAME: FOSTER SWIFT COLLINS & SMITH		
851332 GENERAL, CHERRY STREET SANITARY SEWER		1,865.50
TOTAL VENDOR FOSTER SWIFT COLLINS & SMITH		1,865.50
VENDOR NAME: GRANGER CONTAINER SERVICE, INC		
25114438 TRASH REMOVAL		272.91
TOTAL VENDOR GRANGER CONTAINER SERVICE, INC		272.91
VENDOR NAME: IRON HORSE EXCAVATION LLC		
22-708 REPAIR HYDRANT LANSING RD		1,601.57
TOTAL VENDOR IRON HORSE EXCAVATION LLC		1,601.57
VENDOR NAME: M & K JETTING & TELEVISIONING, INC		
230148 CLEANED & TV'D 8" SANITARY SEWER		700.00
TOTAL VENDOR M & K JETTING & TELEVISIONING, INC		700.00
VENDOR NAME: MICHIGAN DEPT OF ENVIRONMENTAL		
761-11074488 WATER TESTING		48.00
TOTAL VENDOR MICHIGAN DEPT OF ENVIRONMENTAL		48.00
VENDOR NAME: MICHIGAN POLICE EQUIPMENT		
7976 UNIFORM		328.00
TOTAL VENDOR MICHIGAN POLICE EQUIPMENT		328.00
VENDOR NAME: MICHIGAN RURAL WATER		
2020-06045 REGISTRATION - TREVOR LOVE		230.00
TOTAL VENDOR MICHIGAN RURAL WATER		230.00
VENDOR NAME: MID-MICHIGAN INTERACTIVE		
7399 WEB HOSTING & MONTHLY MAINTENANCE, ADA A		1,175.00
TOTAL VENDOR MID-MICHIGAN INTERACTIVE		1,175.00
VENDOR NAME: MISS DIG SYSTEM INC		
20230668 2023 TRANSMISSION-BASED MEMBERSHIP FEE		1,246.44
TOTAL VENDOR MISS DIG SYSTEM INC		1,246.44
VENDOR NAME: NYE UNIFORM		
839254 POLICE BADGE EMBLEM		112.50
833927 POLO SHIRT		176.14
TOTAL VENDOR NYE UNIFORM		288.64
VENDOR NAME: PHP		
01/24/2023 MEDICAL BENEFITS		6,160.92
TOTAL VENDOR PHP		6,160.92
VENDOR NAME: PRESTON COMMUNITY SERVICES LLC		
DEC SERVICES FROM DEC. 1-31, 2023		1,333.33
TOTAL VENDOR PRESTON COMMUNITY SERVICES LLC		1,333.33
VENDOR NAME: QUILL CO		
30121930 PAPER AND INK, PAPER ROLL TOWELS		453.71
TOTAL VENDOR QUILL CO		453.71
VENDOR NAME: SOUTHERN MICHIGAN LAND SURVEYING		
23003 LOT LINE SURVEY, LOTS #10/#11 SUNSET HIL		525.00
TOTAL VENDOR SOUTHERN MICHIGAN LAND SURVEYING		525.00
VENDOR NAME: THE COUNTY JOURNAL		
258220 YOUTH BASEBALL		116.20
258221 YOUTH BASEBALL		116.20
TOTAL VENDOR THE COUNTY JOURNAL		232.40
VENDOR NAME: THE PARTS PLACE-CHARLOTTE		
244072 BLISTER PACK CAPSULES		5.42

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CUSTOM INVOICE REPORT FOR CITY OF POTTERVILLE
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INVOICE NUMBER	DESCRIPTION	AMOUNT
VENDOR NAME: THE PARTS PLACE-CHARLOTTE		
244395	FUEL INJECTOR O-RING KIT	3.92
243844	ARMORALL MULTI-PURP	4.99
243857	BLISTER PACK CAPSULES	16.26
244090	SPARK PLUG, NON CHLOR BRAKE	45.18
TOTAL VENDOR THE PARTS PLACE-CHARLOTTE		75.77
VENDOR NAME: THOMPSON, ANTHONY		
11/04/2022	UB refund for account: CHEW-000318-0000-	876.87
TOTAL VENDOR THOMPSON, ANTHONY		876.87
VENDOR NAME: TREVOR LOVE		
JAN	BUTT SPLICE PHONE 2 WIRE, PAPER TOWEL	18.00
TOTAL VENDOR TREVOR LOVE		18.00
VENDOR NAME: UNITED STATES POST OFFICE		
FEB 2023	WATER BILLS FOR WATER/SEWER USAGE JAN 20	225.98
2023 ANNUAL	P.O. BOX 508 RENEWAL	70.00
TOTAL VENDOR UNITED STATES POST OFFICE		295.98
VENDOR NAME: UNUM LIFE INSURANCE		
01/24/2023	SHORT/LONG TERM DISABILITY INSURANCE	306.19
TOTAL VENDOR UNUM LIFE INSURANCE		306.19
VENDOR NAME: VERIZON WIRELESS		
992660912	JAN 2- FEB 1, 2023 PHONE SERVICE	482.58
TOTAL VENDOR VERIZON WIRELESS		482.58
VENDOR NAME: VISION SERVICE PLAN		
01/24/2023	VISION	249.72
TOTAL VENDOR VISION SERVICE PLAN		249.72
VENDOR NAME: WEX BANK		
87004951	FUEL DEC AND JAN	128.91
TOTAL VENDOR WEX BANK		128.91
VENDOR NAME: WILLIAMS & WORKS		
95645	PARKS GRANT PLANNING	8,079.47
95621	CAMBRIA RIDGE - CONSTRUCTIO ENGINEERING	275.00
95651	VERMONTVILLE & LANSING RD INTERSECTION	400.00
95618	PRODUCTION WELL - EXPLORATION PHASE	2,156.00
95566	SUNSET DR TEDF CAT B 2022	250.00
TOTAL VENDOR WILLIAMS & WORKS		11,160.47
VENDOR NAME: WILLIAMS FARM MACHINERY		
5414	NEEDLE CAG	12.59
TOTAL VENDOR WILLIAMS FARM MACHINERY		12.59
GRAND TOTAL:		52,102.68

GL Number	Description	Beginning Balance
101-000-001.000	CASH	1,260,477.42
202-000-001.000	CASH	203,590.89
203-000-001.000	CASH	20,559.51
208-000-001.000	CASH	17,017.19
370-000-001.000	CASH	
401-000-001.000	CASH	6,156.36
590-000-001.000	CASH	27,104.60
590-000-010.000	CASH IN BANK - BOND RESERVE	290,800.00
590-000-011.000	CASH IN BANK-REPLACEMENT FUND	123,812.00
591-000-001.000	CASH	578,442.54
591-000-010.000	CASH IN BANK - BOND RESERVE	163,360.00
591-000-011.000	CASH IN BANK-REPLACEMENT FUND	296,397.00
598-000-001.000	CASH	(5,516.74)
641-000-001.000	CASH	19,897.43

Beginning GL Balance:	3,002,098.20
Add: Cash Receipts	95,702.43
Less: Cash Disbursements	(128,825.32)
Less: Payroll Disbursements	(72,082.44)
Less: Journal Entries/Other	(47,104.01)
Ending GL Balance:	2,849,788.86

GL Number	Description	Ending Balance
101-000-001.000	CASH	1,110,400.35
202-000-001.000	CASH	217,787.64
203-000-001.000	CASH	24,425.75
208-000-001.000	CASH	10,368.05
370-000-001.000	CASH	
401-000-001.000	CASH	5,679.36
590-000-001.000	CASH	42,423.63
590-000-010.000	CASH IN BANK - BOND RESERVE	290,800.00
590-000-011.000	CASH IN BANK-REPLACEMENT FUND	123,812.00
591-000-001.000	CASH	536,439.72
591-000-010.000	CASH IN BANK - BOND RESERVE	163,360.00
591-000-011.000	CASH IN BANK-REPLACEMENT FUND	296,397.00
598-000-001.000	CASH	(5,516.74)
641-000-001.000	CASH	33,412.10

Ending GL Balance: 2,849,788.86

Ending Bank Balance: 2,930,498.69

Add: Miscellaneous Transactions 2,951.47

Add: Deposits in Transit

01/31/2023 Deposit ID: 1196 2,869.97

AMERICAN EXPRESS 1/30/23 (86.68)

2,783.29

Less: 17 AP Outstanding Checks 86,444.59

Less: 0 PR Outstanding Checks

Adjusted Bank Balance 2,849,788.86

Unreconciled Difference: 0.00

REVIEWED BY: 

DATE: 2-3-2023

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User: JWest
DB: Potterville

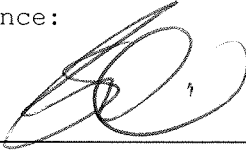
BANK RECONCILIATION FOR CITY OF POTTERVILLE
Bank FEST (GIZZARD FEST)
FROM 01/01/2023 TO 01/31/2023
Reconciliation Record ID: 173

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000008

GL Number	Description	Beginning Balance
211-000-001.000	CASH	
Beginning GL Balance:		0.00
Add: Cash Receipts		250.00
Less: Cash Disbursements		(135.21)
Add: Journal Entries/Other		35,021.01
Ending GL Balance:		35,135.80

GL Number	Description	Ending Balance
211-000-001.000	CASH	35,135.80
Ending GL Balance:		35,135.80
Ending Bank Balance:		35,538.10
Add: Miscellaneous Transactions		(402.30)
Add: Deposits in Transit		0.00
Less: 0 AP Outstanding Checks		
Less: 0 PR Outstanding Checks		
Adjusted Bank Balance		35,135.80
Unreconciled Difference:		0.00

REVIEWED BY: 

DATE: 2-3-2023

02/02/2023 11:16 AM
User: JWest
DB: Pottersville

BANK RECONCILIATION FOR CITY OF POTTERVILLE
Bank TAX (TAX ACCOUNT)
FROM 01/01/2023 TO 01/31/2023
Reconciliation Record ID: 171

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000009

GL Number	Description	Beginning Balance
703-000-001.000	CASH	293,187.54

Beginning GL Balance:	293,187.54
Add: Cash Receipts	405,876.86
Add: Tax Receipts	1,793.41
Less: Cash Disbursements	(337,978.88)
Less: Journal Entries/Other	(414.60)
Ending GL Balance:	362,464.33

GL Number	Description	Ending Balance
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703-000-001.000	CASH	362,464.33
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Ending GL Balance:	362,464.33
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Ending Bank Balance:	327,751.80
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Add: Miscellaneous Transactions	21.53
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Add: Deposits in Transit	
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01/31/2023 Deposit ID: 1197	35,278.84
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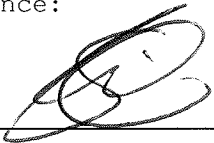
	35,278.84
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Less: 1 AP Outstanding Checks	587.84
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Less: 0 PR Outstanding Checks	
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Adjusted Bank Balance	362,464.33
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Unreconciled Difference:	0.00
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REVIEWED BY: 

DATE: 2-2-23

02/02/2023 10:24 AM

BANK RECONCILIATION FOR CITY OF POTTERVILLE

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000010

User: JWest

Bank PR (PAYROLL ACCOUNT)

DB: Potterville

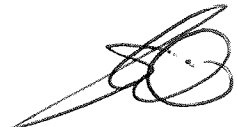
FROM 01/01/2023 TO 01/31/2023

Reconciliation Record ID: 172

GL Number	Description	Beginning Balance
750-000-001.000	CASH	1,176.99
Beginning GL Balance:		1,176.99
Add: Payroll Disbursements		3,459.14
Ending GL Balance:		4,636.13

GL Number	Description	Ending Balance
750-000-001.000	CASH	4,636.13
Ending GL Balance:		4,636.13
Ending Bank Balance:		4,636.13
Add: Deposits in Transit		0.00
Less: 0 AP Outstanding Checks		
Less: 0 PR Outstanding Checks		

Adjusted Bank Balance	4,636.13
Unreconciled Difference:	0.00

REVIEWED BY: 

DATE: 2-2-23

02/09/2023 12:42 PM

REVENUE AND EXPENDITURE REPORT FOR CITY OF POTTERVILLE

Page: 1/17

User: JWest

DB: Potterville

PERIOD ENDING 01/31/2023

GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 101 - GENERAL FUND						
Revenues						
Dept 000						
101-000-402.000	PROPERTY TAX	595,722.54	596,000.00	582,118.58	586.53	13,881.42
101-000-403.000	SOLID WASTE TAX	75,046.54	75,000.00	74,264.60	55.42	735.40
101-000-411.000	DELINQUENT PROP TAX	438.63	200.00	0.00	0.00	200.00
101-000-432.000	PAYMENT IN LIEU OF TAXES	2,174.02	1,500.00	19.40	19.40	1,480.60
101-000-434.000	TRAILER COURT TAX	2,413.00	2,500.00	1,319.50	439.00	1,180.50
101-000-445.000	CITY PENALTY	3,604.76	3,000.00	754.03	77.47	2,245.97
101-000-447.000	ADMINISTRATION FEE	29,921.55	29,800.00	24,670.25	3,866.50	5,129.75
101-000-476.000	PERMITS	9,578.45	6,465.45	4,470.00	730.00	1,995.45
101-000-477.000	3% CABLE T.V.	7,722.55	8,500.00	5,532.25	1,667.80	2,967.75
101-000-478.000	BLIGHT FEES	175.00	0.00	0.00	0.00	0.00
101-000-479.000	OTHER PERMITS	200.00	0.00	0.00	0.00	0.00
101-000-480.000	TELECOM RIGHT OF WAY MAINTENA	10,818.30	10,818.30	0.00	0.00	10,818.30
101-000-481.000	LIQUOR LICENSE FEES	0.00	0.00	1,994.85	0.00	(1,994.85)
101-000-488.000	RECYCLING	2,785.50	2,650.00	0.00	0.00	2,650.00
101-000-528.000	OTHER FEDERAL GRANTS	144,603.72	144,600.00	144,600.43	0.00	(0.43)
101-000-543.010	PUBLIC ACT 302 LAW ENF.	500.00	500.00	250.00	0.00	250.00
101-000-573.000	LOCAL COMMUNITY STABILIZATION	186,603.29	176,549.97	100,483.25	0.00	76,066.72
101-000-574.000	ST SHARED REV - SALES TAX	360,782.00	280,000.00	118,856.00	0.00	161,144.00
101-000-574.100	EVIP DISTRIBUTION (A, C, E)	39,564.00	39,564.00	13,979.00	0.00	25,585.00
101-000-579.000	GRANT REVENUE	0.00	108,850.00	0.00	0.00	108,850.00
101-000-602.000	FOIA	0.00	0.00	50.02	24.49	(50.02)
101-000-607.000	CHARGES FOR SERVICES - PD	546.23	350.00	367.20	10.00	(17.20)
101-000-656.000	FINES & FORFEITURES	2,785.11	2,100.00	1,263.50	119.35	836.50
101-000-665.000	INTEREST	3,689.34	3,500.00	30,782.75	6,831.88	(27,282.75)
101-000-671.100	LEASE/RENT	0.00	0.00	1,250.62	0.00	(1,250.62)
101-000-674.000	DONATIONS	20.00	20.00	725.00	0.00	(705.00)
101-000-675.030	COMMUNITY POLICING DONATION	0.00	0.00	1,540.00	0.00	(1,540.00)
101-000-676.000	REIMBURSEMENT	26,944.31	0.00	100.00	0.00	(100.00)
101-000-677.000	SCHOOL SRO REIMBURSEMENT	0.00	0.00	13,153.84	13,153.84	(13,153.84)
101-000-680.004	SPECIAL EVENTS-GIZZARDFEST	45,750.00	34,000.00	0.00	(1,475.00)	34,000.00
101-000-684.000	MISC INCOME	51.25	0.00	32.19	6.00	(32.19)
101-000-687.000	INSURANCE REIMBURSEMENT	8,815.00	0.00	5,786.16	0.00	(5,786.16)
101-000-689.000	CASH OVER & UNDER	41.37	0.00	0.00	0.00	0.00
101-000-693.000	SALE OF FIXED ASSETS	0.00	0.00	1,250.00	0.00	(1,250.00)
Total Dept 000		1,561,296.46	1,526,467.72	1,129,613.42	26,112.68	396,854.30
TOTAL REVENUES		1,561,296.46	1,526,467.72	1,129,613.42	26,112.68	396,854.30
Expenditures						
Dept 101 - CITY COUNCIL						
101-101-703.000	SALARIES	2,047.50	3,000.00	1,650.00	185.00	1,350.00
101-101-706.000	RR-CROSSING MAINTENANCE FEE	2,257.00	2,260.00	0.00	0.00	2,260.00
101-101-719.000	FRINGE BENEFITS	156.63	515.00	126.21	14.15	388.79
101-101-731.000	PUBLICATION	116.20	600.00	0.00	0.00	600.00
101-101-740.000	SUPPLIES	0.00	200.00	56.95	0.00	143.05
101-101-775.000	REPAIRS & MAINT	0.00	50.00	0.00	0.00	50.00
101-101-913.000	INSURANCE-LIAB & WORKMAN COMP	21,996.50	23,850.00	53,100.09	0.00	(29,250.09)
101-101-961.000	CONFERENCE AND WORKSHOPS	0.00	0.00	85.00	0.00	(85.00)
Total Dept 101 - CITY COUNCIL		26,573.83	30,475.00	55,018.25	199.15	(24,543.25)

Dept 171 - MAYOR

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 101 - GENERAL FUND						
Expenditures						
101-171-703.000	SALARIES	810.00	850.00	180.00	0.00	670.00
101-171-719.000	FRINGE BENEFITS	61.96	85.00	13.77	0.00	71.23
Total Dept 171 - MAYOR		871.96	935.00	193.77	0.00	741.23
Dept 172 - CITY MANAGER						
101-172-703.000	SALARIES	75,045.36	78,060.53	42,449.43	6,004.66	35,611.10
101-172-719.000	FRINGE BENEFITS	16,954.92	19,000.00	9,949.72	1,686.58	9,050.28
101-172-740.000	SUPPLIES	25.99	30.00	19.64	0.00	10.36
101-172-809.000	TRAINING	0.00	150.00	0.00	0.00	150.00
101-172-980.100	COMPUTER EQUIPMENT	0.00	200.00	0.00	0.00	200.00
Total Dept 172 - CITY MANAGER		92,026.27	97,440.53	52,418.79	7,691.24	45,021.74
Dept 215 - CLERK						
101-215-703.000	SALARIES	30,701.43	34,733.28	19,639.16	3,791.85	15,094.12
101-215-703.004	FAMILIES FIRST CORONAVIRUS RESPONSE ACT	0.00	0.00	(1,335.84)	(1,335.84)	1,335.84
101-215-719.000	FRINGE BENEFITS	3,150.09	4,000.00	1,627.71	320.50	2,372.29
101-215-740.000	SUPPLIES	387.31	450.00	87.56	0.00	362.44
101-215-741.000	POSTAGE	156.00	200.00	282.00	88.00	(82.00)
101-215-781.000	COMPUTER SOFTWARE	144.00	400.00	0.00	0.00	400.00
101-215-809.000	TRAINING	1,304.94	2,000.00	670.00	20.00	1,330.00
101-215-818.000	CONTRACT LABOR	108.00	800.00	0.00	0.00	800.00
101-215-822.000	ELECTIONS	8,344.84	7,000.00	8,376.55	425.90	(1,376.55)
101-215-958.000	DUES AND SUBSCRIPTIONS	60.00	160.00	95.00	20.00	65.00
101-215-961.000	CONFERENCE AND WORKSHOPS	0.00	150.00	0.00	0.00	150.00
101-215-980.100	COMPUTER EQUIPMENT	804.41	500.00	0.00	0.00	500.00
Total Dept 215 - CLERK		45,161.02	50,393.28	29,442.14	3,330.41	20,951.14
Dept 223 - AUDIT						
101-223-807.000	AUDIT	17,600.00	18,000.00	21,450.00	2,700.00	(3,450.00)
Total Dept 223 - AUDIT		17,600.00	18,000.00	21,450.00	2,700.00	(3,450.00)
Dept 253 - TREASURERS OFFICE						
101-253-703.000	SALARIES	64,533.44	67,404.17	36,663.69	5,184.94	30,740.48
101-253-719.000	FRINGE BENEFITS	22,990.37	23,000.00	14,270.17	2,105.96	8,729.83
101-253-740.000	SUPPLIES	520.08	300.00	173.29	0.00	126.71
101-253-741.000	POSTAGE	935.26	1,400.00	1,347.78	200.00	52.22
101-253-781.000	COMPUTER SOFTWARE	721.00	800.00	0.00	0.00	800.00
101-253-814.000	BANK SERVICE CHARGES	2,923.82	3,000.00	2,349.62	466.99	650.38
101-253-961.000	CONFERENCE AND WORKSHOPS	75.00	75.00	248.00	0.00	(173.00)
Total Dept 253 - TREASURERS OFFICE		92,698.97	95,979.17	55,052.55	7,957.89	40,926.62
Dept 257 - ASSESSOR						
101-257-703.000	SALARIES	1,113.72	1,205.78	494.89	85.90	710.89
101-257-719.000	FRINGE BENEFITS	697.47	827.50	388.85	44.84	438.65
101-257-731.000	PUBLICATION	262.20	600.00	0.00	0.00	600.00
101-257-740.000	SUPPLIES	200.00	250.00	0.00	0.00	250.00

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 101 - GENERAL FUND						
Expenditures						
101-257-741.000	POSTAGE	426.68	500.00	0.00	0.00	500.00
101-257-781.000	COMPUTER SOFTWARE	235.00	250.00	235.00	0.00	15.00
101-257-810.050	RE INSPECTION - 20%	3,237.00	3,150.00	1,932.86	257.72	1,217.14
101-257-813.000	BOARD OF REVIEW	1,260.14	1,575.00	250.00	0.00	1,325.00
101-257-818.000	CONTRACT LABOR	15,999.96	16,000.00	6,666.65	0.00	9,333.35
Total Dept 257 - ASSESSOR		23,432.17	24,358.28	9,968.25	388.46	14,390.03
Dept 265 - CITY HALL						
101-265-703.000	SALARIES	20,965.53	22,617.32	12,348.14	1,744.05	10,269.18
101-265-719.000	FRINGE BENEFITS	9,011.83	10,000.00	4,989.56	784.46	5,010.44
101-265-731.000	PUBLICATION	610.48	500.00	496.10	0.00	3.90
101-265-740.000	SUPPLIES	3,968.14	3,600.00	1,427.29	201.00	2,172.71
101-265-741.000	POSTAGE	635.17	500.00	890.58	400.00	(390.58)
101-265-775.000	REPAIRS & MAINT	527.54	650.00	402.49	0.00	247.51
101-265-781.000	COMPUTER SOFTWARE	18,031.00	7,000.00	5,237.46	926.46	1,762.54
101-265-802.000	SERVICE	1,007.16	2,000.00	1,505.54	109.17	494.46
101-265-818.000	CONTRACT LABOR	0.00	400.00	0.00	0.00	400.00
101-265-880.100	COMMUNITY HOLIDAY EVENT	636.89	700.00	1,260.20	401.54	(560.20)
101-265-880.200	COMMUNITY SPEC EVENTS	5,885.04	1,200.00	1,661.54	0.00	(461.54)
101-265-880.300	COMMUNITY SPEC EVENTS/GIZZARDFEST	28,801.64	30,000.00	0.00	560.51	30,000.00
101-265-958.000	DUES AND SUBSCRIPTIONS	220.00	350.00	190.00	0.00	160.00
101-265-970.000	CAPITAL OUTLAY	3,664.16	500.00	0.00	0.00	500.00
101-265-970.100	RD CAPITAL PROJECT COSTS	0.00	0.00	287.00	0.00	(287.00)
101-265-980.000	OFFICE EQUIPMENT & FURNITURE	50.00	50.00	750.00	750.00	(700.00)
101-265-980.100	COMPUTER EQUIPMENT	669.00	0.00	0.00	0.00	0.00
Total Dept 265 - CITY HALL		94,683.58	80,067.32	31,445.90	5,877.19	48,621.42
Dept 266 - ATTORNEY						
101-266-801.000	ATTORNEY	17,615.00	18,000.00	14,299.34	0.00	3,700.66
Total Dept 266 - ATTORNEY		17,615.00	18,000.00	14,299.34	0.00	3,700.66
Dept 301 - POLICE						
101-301-703.000	SALARIES	144,626.53	222,326.62	102,713.25	16,160.89	119,613.37
101-301-703.002	OVERTIME SALARIES	685.13	2,300.00	7,091.94	3,057.30	(4,791.94)
101-301-719.000	FRINGE BENEFITS	36,466.56	38,377.80	29,782.13	5,781.67	8,595.67
101-301-728.000	UNIFORM EXPENSES	2,083.20	2,400.00	3,812.63	0.00	(1,412.63)
101-301-740.000	SUPPLIES	7,964.22	7,300.00	5,447.07	1,432.85	1,852.93
101-301-740.300	SUPPLIES COMMUNITY POLICING	754.25	0.00	0.00	0.00	0.00
101-301-775.000	REPAIRS & MAINT	2,989.55	5,000.00	2,549.90	632.38	2,450.10
101-301-781.000	COMPUTER SOFTWARE	878.44	600.00	481.20	0.00	118.80
101-301-801.000	ATTORNEY	615.00	2,300.00	82.00	0.00	2,218.00
101-301-802.000	SERVICE	837.41	1,000.00	0.00	0.00	1,000.00
101-301-809.000	TRAINING	2,972.23	1,800.00	2,038.08	691.05	(238.08)
101-301-851.000	RADIO REPAIRS	0.00	300.00	0.00	0.00	300.00
101-301-853.000	TELEPHONE EXPENSE	1,453.22	1,600.00	984.84	160.86	615.16
101-301-862.000	GAS	6,771.72	1,000.00	158.04	0.00	841.96
101-301-958.000	DUES AND SUBSCRIPTIONS	1,053.10	1,100.00	25.00	25.00	1,075.00
101-301-960.000	MISC	244.99	250.00	0.00	0.00	250.00
101-301-970.000	CAPITAL OUTLAY	1,407.97	63,000.00	63,800.00	0.00	(800.00)
101-301-980.100	COMPUTER EQUIPMENT	0.00	500.00	0.00	0.00	500.00

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		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 101 - GENERAL FUND						
Expenditures						
Total Dept 301 - POLICE		211,803.52	351,154.42	218,966.08	27,942.00	132,188.34
Dept 302 - POLICE STATE TRAINING						
101-302-810.000	EXPENSE	500.00	500.00	250.00	0.00	250.00
Total Dept 302 - POLICE STATE TRAINING		500.00	500.00	250.00	0.00	250.00
Dept 337 - EMS						
101-337-802.000	SERVICE	124,800.00	127,200.00	127,200.00	63,600.00	0.00
Total Dept 337 - EMS		124,800.00	127,200.00	127,200.00	63,600.00	0.00
Dept 441 - DPW						
101-441-731.000	PUBLICATION	217.00	0.00	0.00	0.00	0.00
101-441-775.000	REPAIRS & MAINT	4,800.00	1,000.00	0.00	0.00	1,000.00
101-441-802.000	SERVICE	0.00	100.00	0.00	0.00	100.00
101-441-810.020	RECYCLING EXPENSE	5,320.00	8,500.00	2,666.18	0.00	5,833.82
101-441-920.000	UTILITIES	2,052.99	0.00	0.00	0.00	0.00
Total Dept 441 - DPW		12,389.99	9,600.00	2,666.18	0.00	6,933.82
Dept 445 - DRAIN AT LARGE						
101-445-810.000	EXPENSE	3,259.51	2,000.00	3,836.40	0.00	(1,836.40)
Total Dept 445 - DRAIN AT LARGE		3,259.51	2,000.00	3,836.40	0.00	(1,836.40)
Dept 701 - PLANNING COMMISSION						
101-701-703.000	SALARIES	290.00	800.00	180.00	0.00	620.00
101-701-719.000	FRINGE BENEFITS	22.20	101.79	13.78	0.00	88.01
101-701-731.000	PUBLICATION	199.64	450.00	575.66	0.00	(125.66)
101-701-803.000	ENGINEERS FEES	5,103.60	6,500.00	2,150.79	0.00	4,349.21
Total Dept 701 - PLANNING COMMISSION		5,615.44	7,851.79	2,920.23	0.00	4,931.56
Dept 702 - ZONING						
101-702-703.000	SALARIES	37,826.70	38,850.93	21,114.69	2,988.54	17,736.24
101-702-719.000	FRINGE BENEFITS	3,498.60	3,850.00	1,876.06	390.00	1,973.94
101-702-731.000	PUBLICATION	1,610.79	1,200.00	395.00	0.00	805.00
101-702-740.000	SUPPLIES	165.77	450.00	521.99	0.00	(71.99)
101-702-853.000	TELEPHONE EXPENSE	892.30	900.00	418.28	53.62	481.72
101-702-961.000	CONFERENCE AND WORKSHOPS	0.00	275.00	0.00	0.00	275.00
Total Dept 702 - ZONING		43,994.16	45,525.93	24,326.02	3,432.16	21,199.91
Dept 906 - DEBT SERVICE						
101-906-738.000	TOWNSHIP/MILL	9,870.48	9,961.00	9,022.88	0.00	938.12
101-906-964.000	REFUND AND REBATES	3,277.47	0.00	0.00	0.00	0.00
101-906-991.000	DEBT SERVICE - PRINCIPAL	26,877.70	27,800.00	23,492.00	0.00	4,308.00

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Fund 101 - GENERAL FUND						
Expenditures						
101-906-991.500	DEBT PRINCIPAL & INTEREST	0.00	3,590.00	0.00	0.00	3,590.00
101-906-992.000	PRINCIPAL & INTEREST - PATROL CAR	12,329.08	13,000.00	7,555.38	1,079.34	5,444.62
101-906-993.000	BOND INTEREST	28,748.08	29,800.00	25,001.03	11,161.32	4,798.97
Total Dept 906 - DEBT SERVICE		81,102.81	84,151.00	65,071.29	12,240.66	19,079.71
Dept 966 - CONTRIBUTIONS TO OTHER FUNDS						
101-966-965.203	CONTRIB TO LOCAL STREET FUND	117,103.27	180,139.99	100,000.00	0.00	80,139.99
101-966-965.208	CONTRIB TO PARK FUND	98,255.81	98,255.81	25,000.00	0.00	73,255.81
101-966-965.401	CONTRIB TO CAPITAL PROJECT FUND	2,654.00	2,654.00	2,654.00	0.00	0.00
101-966-965.590	CONTRIBUTION TO SEWER FUND	149,178.78	54,000.00	0.00	0.00	54,000.00
101-966-965.598	CONTRIB TO STORM DRAIN MAINT	5,000.00	7,950.00	7,950.00	0.00	0.00
101-966-965.641	CONTRIB TO EQP REPAIR & REPL	152,104.04	119,671.32	60,000.00	0.00	59,671.32
Total Dept 966 - CONTRIBUTIONS TO OTHER FUNDS		524,295.90	462,671.12	195,604.00	0.00	267,067.12
TOTAL EXPENDITURES		1,418,424.13	1,506,302.84	910,129.19	135,359.16	596,173.65
Fund 101 - GENERAL FUND:						
TOTAL REVENUES		1,561,296.46	1,526,467.72	1,129,613.42	26,112.68	396,854.30
TOTAL EXPENDITURES		1,418,424.13	1,506,302.84	910,129.19	135,359.16	596,173.65
NET OF REVENUES & EXPENDITURES		142,872.33	20,164.88	219,484.23	(109,246.48)	(199,319.35)

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR		AVAILABLE	
		06/30/2022	ORIGINAL	01/31/2023	MONTH	01/31/2023	BALANCE	
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE	(DECREASE)	NORMAL	(ABNORMAL)
Fund 202 - MAJOR STREET FUND								
Revenues								
Dept 000								
202-000-451.200	SPEC ASSESSMENT ROAD - SUNSET	6,373.38	6,200.00	5,198.21		13.06		1,001.79
202-000-553.000	ACT 51	231,406.78	227,000.00	98,642.61		17,757.30		128,357.39
202-000-582.000	COUNTY ROAD MILL 2014	41,338.18	41,000.00	14.22		0.00		40,985.78
Total Dept 000		279,118.34	274,200.00	103,855.04		17,770.36		170,344.96
TOTAL REVENUES		279,118.34	274,200.00	103,855.04		17,770.36		170,344.96
Expenditures								
Dept 463 - ROUTINE MAINT								
202-463-699.203	TRANSFER TO LOCAL STREETS	87,500.00	87,500.00	50,000.00		0.00		37,500.00
202-463-782.000	STREET MATERIALS & SUPPLIES	2,951.49	4,000.00	0.00		0.00		4,000.00
202-463-956.000	TREE TRIMMING	0.00	0.00	3,750.00		0.00		(3,750.00)
202-463-965.600	CONTRIBUTION TO 641 LABOR & EQUIPMENT	78,000.00	78,000.00	40,000.00		0.00		38,000.00
Total Dept 463 - ROUTINE MAINT		168,451.49	169,500.00	93,750.00		0.00		75,750.00
Dept 474 - TRAFFIC SIGNS								
202-474-782.000	STREET MATERIALS & SUPPLIES	0.00	250.00	0.00		0.00		250.00
Total Dept 474 - TRAFFIC SIGNS		0.00	250.00	0.00		0.00		250.00
Dept 478 - WINTER MAINT								
202-478-782.000	STREET MATERIALS & SUPPLIES	185.22	250.00	370.96		164.71		(120.96)
Total Dept 478 - WINTER MAINT		185.22	250.00	370.96		164.71		(120.96)
Dept 480 - CONSTRUCTION								
202-480-803.000	ENGINEERS FEES	4,057.50	5,500.00	2,048.75		0.00		3,451.25
202-480-818.000	CONTRACT LABOR	21,828.17	33,500.00	31,686.57		3,086.40		1,813.43
Total Dept 480 - CONSTRUCTION		25,885.67	39,000.00	33,735.32		3,086.40		5,264.68
Dept 906 - DEBT SERVICE								
202-906-992.000	BOND PRINCIPAL	10,560.00	11,000.00	0.00		0.00		11,000.00
202-906-993.000	BOND INTEREST	6,662.66	6,700.00	3,209.89		0.00		3,490.11
Total Dept 906 - DEBT SERVICE		17,222.66	17,700.00	3,209.89		0.00		14,490.11
TOTAL EXPENDITURES		211,745.04	226,700.00	131,066.17		3,251.11		95,633.83
Fund 202 - MAJOR STREET FUND:								
TOTAL REVENUES		279,118.34	274,200.00	103,855.04		17,770.36		170,344.96
TOTAL EXPENDITURES		211,745.04	226,700.00	131,066.17		3,251.11		95,633.83
NET OF REVENUES & EXPENDITURES		67,373.30	47,500.00	(27,211.13)		14,519.25		74,711.13

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		06/30/2022	ORIGINAL	01/31/2023	MONTH	01/31/2023	BALANCE	
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE	(DECREASE)	NORMAL (ABNORMAL)	
Fund 203 - LOCAL STREET FUND								
Revenues								
Dept 000								
203-000-451.200	SPEC ASSESSMENT ROAD - SUNSET	38,946.62	38,000.00	31,801.79		146.94		6,198.21
203-000-553.000	ACT 51	92,397.76	88,000.00	39,192.28		7,055.26		48,807.72
203-000-555.100	GRANT ENHANCEMENT - STATE	0.00	100,000.00	100,000.00		14,030.55		0.00
203-000-582.000	COUNTY ROAD MILL 2014	33,819.39	32,000.00	42.65		0.00		31,957.35
203-000-699.001	CONTRIBUTIONS FROM MAJOR STREET FUND	87,500.00	87,500.00	50,000.00		0.00		37,500.00
203-000-699.101	GF CONTRIBUTION	117,103.27	180,139.99	100,000.00		0.00		80,139.99
Total Dept 000		369,767.04	525,639.99	321,036.72		21,232.75		204,603.27
TOTAL REVENUES		369,767.04	525,639.99	321,036.72		21,232.75		204,603.27
Expenditures								
Dept 463 - ROUTINE MAINT								
203-463-782.000	STREET MATERIALS & SUPPLIES	3,114.16	0.00	0.00		0.00		0.00
203-463-965.600	CONTRIBUTION TO 641 LABOR & EQUIPMENT	25,000.00	25,000.00	25,000.00		0.00		0.00
Total Dept 463 - ROUTINE MAINT		28,114.16	25,000.00	25,000.00		0.00		0.00
Dept 478 - WINTER MAINT								
203-478-782.000	STREET MATERIALS & SUPPLIES	285.58	300.00	370.96		164.71		(70.96)
Total Dept 478 - WINTER MAINT		285.58	300.00	370.96		164.71		(70.96)
Dept 480 - CONSTRUCTION								
203-480-803.000	ENGINEERS FEES	14,081.82	15,000.00	10,920.85		0.00		4,079.15
203-480-818.000	CONTRACT LABOR	8,615.69	235,000.00	233,870.95		0.00		1,129.05
Total Dept 480 - CONSTRUCTION		22,697.51	250,000.00	244,791.80		0.00		5,208.20
Dept 740 - SPECIAL MAINT								
203-740-956.000	TREE TRIMMING	0.00	1,500.00	0.00		0.00		1,500.00
Total Dept 740 - SPECIAL MAINT		0.00	1,500.00	0.00		0.00		1,500.00
Dept 906 - DEBT SERVICE								
203-906-992.000	BOND PRINCIPAL	155,562.30	148,500.00	32,508.00		0.00		115,992.00
203-906-993.000	BOND INTEREST	146,003.51	156,300.00	86,487.20		15,444.93		69,812.80
Total Dept 906 - DEBT SERVICE		301,565.81	304,800.00	118,995.20		15,444.93		185,804.80
TOTAL EXPENDITURES		352,663.06	581,600.00	389,157.96		15,609.64		192,442.04
Fund 203 - LOCAL STREET FUND:								
TOTAL REVENUES		369,767.04	525,639.99	321,036.72		21,232.75		204,603.27
TOTAL EXPENDITURES		352,663.06	581,600.00	389,157.96		15,609.64		192,442.04
NET OF REVENUES & EXPENDITURES		17,103.98	(55,960.01)	(68,121.24)		5,623.11		12,161.23

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR		AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH	01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE	(DECREASE)	NORMAL (ABNORMAL)

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		END BALANCE 06/30/2022		2022-23 ORIGINAL		YTD BALANCE 01/31/2023		ACTIVITY FOR MONTH 01/31/2023		AVAILABLE BALANCE	
GL NUMBER	DESCRIPTION	NORMAL	(ABNORMAL)	BUDGET	NORMAL	(ABNORMAL)	INCREASE	(DECREASE)	NORMAL	(ABNORMAL)	
Fund 208 - PARK FUND											
Revenues											
Dept 000											
208-000-478.030	CONCESSIONS	25,430.85		22,000.00	16,382.06		0.00		5,617.94		
208-000-478.070	FIELD RENTAL	16,654.00		23,000.00	2,210.00		300.00		20,790.00		
208-000-478.072	BASEBALL FIELD RENTAL	9,047.00		4,400.00	11,763.00		0.00		(7,363.00)		
208-000-478.084	FLAG FOOTBALL	1,080.00		1,080.00	1,620.00		0.00		(540.00)		
208-000-478.090	YOUTH FEES	6,000.00		5,500.00	1,085.00		1,085.00		4,415.00		
208-000-581.000	LOCAL GRANT	0.00		45,000.00	0.00		0.00		45,000.00		
208-000-667.000	PAVILION RENT	1,020.00		850.00	515.00		0.00		335.00		
208-000-667.020	TIFA PAVILION - COMMUNITY CEN	2,850.00		2,000.00	900.00		0.00		1,100.00		
208-000-674.000	DONATIONS	5.00		0.00	1,000.00		0.00		(1,000.00)		
208-000-680.001	SPECIAL EVENTS	1,860.00		1,680.00	700.00		0.00		980.00		
208-000-699.101	GF CONTRIBUTION	98,255.81		98,255.81	25,000.00		0.00		73,255.81		
Total Dept 000		162,202.66		203,765.81	61,175.06		1,385.00		142,590.75		
TOTAL REVENUES		162,202.66		203,765.81	61,175.06		1,385.00		142,590.75		
Expenditures											
Dept 751 - PARK ADMIN											
208-751-703.000	SALARIES	48,472.10		51,395.88	26,363.89		3,338.50		25,031.99		
208-751-719.000	FRINGE BENEFITS	20,499.10		20,060.39	12,935.03		1,952.56		7,125.36		
208-751-728.000	UNIFORM EXPENSES	369.76		400.00	468.00		0.00		(68.00)		
208-751-731.000	PUBLICATION	570.80		580.00	446.08		0.00		133.92		
208-751-740.000	SUPPLIES	3,858.59		3,700.00	308.66		85.41		3,391.34		
208-751-781.000	COMPUTER SOFTWARE	144.00		150.00	72.00		72.00		78.00		
208-751-803.000	ENGINEERS FEES	6,102.23		2,600.00	6,491.72		0.00		(3,891.72)		
208-751-809.000	TRAINING	0.00		0.00	200.00		0.00		(200.00)		
208-751-810.100	GRANT EXPENSE	10.00		45,000.00	0.00		0.00		45,000.00		
208-751-818.000	CONTRACT LABOR	12,165.00		5,000.00	2,364.62		600.00		2,635.38		
208-751-853.000	TELEPHONE EXPENSE	853.73		850.00	379.26		53.62		470.74		
208-751-913.000	INSURANCE-LIAB & WORKMAN COMP	9,000.00		9,300.00	9,283.91		0.00		16.09		
208-751-962.000	MILEAGE	0.00		0.00	78.74		0.00		(78.74)		
Total Dept 751 - PARK ADMIN		102,045.31		139,036.27	59,391.91		6,102.09		79,644.36		
Dept 770 - LAKE ALLIANCE MAINTENANCE											
208-770-740.000	SUPPLIES	2,157.95		2,500.00	1,575.09		0.00		924.91		
208-770-775.000	REPAIRS & MAINT	10,029.13		1,800.00	2,898.45		0.00		(1,098.45)		
208-770-802.000	SERVICE	310.00		500.00	323.40		0.00		176.60		
208-770-920.000	UTILITIES	8,544.40		1,500.00	4,347.77		751.73		(2,847.77)		
Total Dept 770 - LAKE ALLIANCE MAINTENANCE		21,041.48		6,300.00	9,144.71		751.73		(2,844.71)		
Dept 771 - CITY PARK											
208-771-740.000	SUPPLIES	650.85		800.00	0.00		0.00		800.00		
208-771-775.000	REPAIRS & MAINT	718.93		900.00	209.48		0.00		690.52		
208-771-818.000	CONTRACT LABOR	468.00		1,000.00	0.00		0.00		1,000.00		
208-771-920.000	UTILITIES	2,231.97		3,300.00	462.50		0.00		2,837.50		
Total Dept 771 - CITY PARK		4,069.75		6,000.00	671.98		0.00		5,328.02		

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 208 - PARK FUND						
Expenditures						
Dept 772 - SUNSET HILLS PARK						
208-772-775.000	REPAIRS & MAINT	297.85	500.00	0.00	0.00	500.00
Total Dept 772 - SUNSET HILLS PARK		297.85	500.00	0.00	0.00	500.00
Dept 774 - BASEBALL						
208-774-731.000	PUBLICATION	232.40	250.00	0.00	0.00	250.00
208-774-740.000	SUPPLIES	1,230.83	800.00	0.00	0.00	800.00
208-774-745.000	YOUTH UMPIRE FEES	50.00	100.00	100.00	0.00	0.00
208-774-775.000	REPAIRS & MAINT	500.98	1,200.00	630.00	0.00	570.00
208-774-920.000	UTILITIES	0.00	550.00	31.55	0.00	518.45
Total Dept 774 - BASEBALL		2,014.21	2,900.00	761.55	0.00	2,138.45
Dept 777 - BALLFIELD						
208-777-740.000	SUPPLIES	3,233.71	4,500.00	1,441.17	0.00	3,058.83
208-777-744.000	YOUTH FEES (UNIFORMS,ETC.)	7,229.39	1,800.00	1,230.09	0.00	569.91
208-777-745.000	YOUTH UMPIRE FEES	1,580.00	450.00	(120.00)	0.00	570.00
208-777-802.000	SERVICE	353.20	250.00	0.00	0.00	250.00
208-777-920.000	UTILITIES	0.00	6,500.00	401.53	0.00	6,098.47
Total Dept 777 - BALLFIELD		12,396.30	13,500.00	2,952.79	0.00	10,547.21
Dept 778 - CONCESSIONS						
208-778-703.000	SALARIES	3,353.20	4,300.00	2,819.63	0.00	1,480.37
208-778-719.000	FRINGE BENEFITS	457.54	700.00	401.82	0.00	298.18
208-778-740.000	SUPPLIES	10,116.15	8,000.00	5,502.91	0.00	2,497.09
208-778-746.000	CONCESSION - FOOD LICENSE	593.00	820.00	277.51	0.00	542.49
208-778-814.000	BANK SERVICE CHARGES	632.32	450.00	468.63	56.85	(18.63)
208-778-920.000	UTILITIES	0.00	550.00	184.98	0.00	365.02
Total Dept 778 - CONCESSIONS		15,152.21	14,820.00	9,655.48	56.85	5,164.52
Dept 779 - SPECIAL EVENTS						
208-779-740.000	SUPPLIES	54.28	250.00	0.00	0.00	250.00
Total Dept 779 - SPECIAL EVENTS		54.28	250.00	0.00	0.00	250.00
TOTAL EXPENDITURES		157,071.39	183,306.27	82,578.42	6,910.67	100,727.85
Fund 208 - PARK FUND:						
TOTAL REVENUES		162,202.66	203,765.81	61,175.06	1,385.00	142,590.75
TOTAL EXPENDITURES		157,071.39	183,306.27	82,578.42	6,910.67	100,727.85
NET OF REVENUES & EXPENDITURES		5,131.27	20,459.54	(21,403.36)	(5,525.67)	41,862.90

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GL NUMBER	DESCRIPTION	END BALANCE 06/30/2022 NORMAL (ABNORMAL)	2022-23 ORIGINAL BUDGET	YTD BALANCE 01/31/2023 NORMAL (ABNORMAL)	ACTIVITY FOR MONTH 01/31/2023 INCREASE (DECREASE)	AVAILABLE BALANCE NORMAL (ABNORMAL)
Fund 211 - GIZZARD FEST						
Revenues						
Dept 000						
211-000-674.000	DONATIONS	0.00	0.00	1,000.00	1,000.00	(1,000.00)
211-000-681.000	VENDOR BOOTHS	0.00	0.00	725.00	725.00	(725.00)
Total Dept 000		0.00	0.00	1,725.00	1,725.00	(1,725.00)
TOTAL REVENUES		0.00	0.00	1,725.00	1,725.00	(1,725.00)
Expenditures						
Dept 779 - SPECIAL EVENTS						
211-779-740.000	SUPPLIES	0.00	0.00	(425.30)	(425.30)	425.30
Total Dept 779 - SPECIAL EVENTS		0.00	0.00	(425.30)	(425.30)	425.30
TOTAL EXPENDITURES		0.00	0.00	(425.30)	(425.30)	425.30
Fund 211 - GIZZARD FEST :						
TOTAL REVENUES		0.00	0.00	1,725.00	1,725.00	(1,725.00)
TOTAL EXPENDITURES		0.00	0.00	(425.30)	(425.30)	425.30
NET OF REVENUES & EXPENDITURES		0.00	0.00	2,150.30	2,150.30	(2,150.30)

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 247 - TAX INCREMENT FINANCING AUTHOR						
Revenues						
Dept 728 - TIFA DEPT						
247-728-401.000	PROPERTY TAXES	166,580.22	171,000.00	172,110.30	29,826.22	(1,110.30)
247-728-573.000	LOCAL COMMUNITY STABILIZATION	18,570.52	19,000.00	19,395.98	0.00	(395.98)
247-728-665.000	INTEREST INCOME	84.62	90.00	32.03	6.76	57.97
247-728-684.000	MISC INCOME	1,047.12	0.00	0.00	0.00	0.00
Total Dept 728 - TIFA DEPT		186,282.48	190,090.00	191,538.31	29,832.98	(1,448.31)
TOTAL REVENUES		186,282.48	190,090.00	191,538.31	29,832.98	(1,448.31)
Expenditures						
Dept 728 - TIFA DEPT						
247-728-703.005	WAGES - OTHER	4,975.00	4,900.00	2,858.32	408.33	2,041.68
247-728-727.000	OFFICE EXPENSE	1,065.58	1,120.00	0.00	0.00	1,120.00
247-728-731.000	PUBLICATION	0.00	300.00	0.00	0.00	300.00
247-728-801.000	ATTORNEY	47.00	500.00	0.00	0.00	500.00
247-728-803.000	ENGINEERS FEES	23,328.45	11,326.56	5,058.86	2,180.00	6,267.70
247-728-807.000	AUDIT	4,500.00	4,650.00	4,250.00	0.00	400.00
247-728-967.700	CITY IMPROVEMENTS	42.75	0.00	1,899.16	0.00	(1,899.16)
247-728-970.000	CAPITAL OUTLAY	151,960.13	125,000.00	0.00	0.00	125,000.00
247-728-992.000	BOND PRINCIPAL	45,000.00	50,000.00	50,000.00	0.00	0.00
247-728-993.000	BOND INTEREST	19,382.50	17,432.00	9,241.25	0.00	8,190.75
Total Dept 728 - TIFA DEPT		250,301.41	215,228.56	73,307.59	2,588.33	141,920.97
TOTAL EXPENDITURES		250,301.41	215,228.56	73,307.59	2,588.33	141,920.97
Fund 247 - TAX INCREMENT FINANCING AUTHOR:						
TOTAL REVENUES		186,282.48	190,090.00	191,538.31	29,832.98	(1,448.31)
TOTAL EXPENDITURES		250,301.41	215,228.56	73,307.59	2,588.33	141,920.97
NET OF REVENUES & EXPENDITURES		(64,018.93)	(25,138.56)	118,230.72	27,244.65	(143,369.28)

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		06/30/2022	ORIGINAL	01/31/2023	MONTH	01/31/2023	BALANCE	
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE	(DECREASE)	NORMAL	(ABNORMAL)
Fund 401 - CAPITAL PROJECT FUND- DOWNTOWN								
Revenues								
Dept 000								
401-000-699.100	TRANSFER IN	2,654.00	2,654.00	2,654.00		0.00		0.00
Total Dept 000		2,654.00	2,654.00	2,654.00		0.00		0.00
TOTAL REVENUES		2,654.00	2,654.00	2,654.00		0.00		0.00
Expenditures								
Dept 729 - DOWNTOWN								
401-729-740.600	LANDSCAPING SUPPLIES	1,777.71	3,000.00	698.40		0.00		2,301.60
401-729-818.000	CONTRACT LABOR	55.50	600.00	145.00		0.00		455.00
Total Dept 729 - DOWNTOWN		1,833.21	3,600.00	843.40		0.00		2,756.60
TOTAL EXPENDITURES		1,833.21	3,600.00	843.40		0.00		2,756.60
Fund 401 - CAPITAL PROJECT FUND- DOWNTOWN:								
TOTAL REVENUES		2,654.00	2,654.00	2,654.00		0.00		0.00
TOTAL EXPENDITURES		1,833.21	3,600.00	843.40		0.00		2,756.60
NET OF REVENUES & EXPENDITURES		820.79	(946.00)	1,810.60		0.00		(2,756.60)

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GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 590 - SEWER FUND						
Revenues						
Dept 000						
590-000-642.000	BILLS	147,145.57	155,000.00	73,848.95	10,920.50	81,151.05
590-000-642.001	FIXED COSTS	421,033.63	415,000.00	241,322.11	39,708.40	173,677.89
590-000-656.000	FINES & FORFEITURES	12,831.59	15,000.00	10,198.31	1,355.45	4,801.69
590-000-672.000	HOOK UP FEES	0.00	10,000.00	0.00	0.00	10,000.00
590-000-699.101	GF CONTRIBUTION	149,178.75	54,000.00	0.00	0.00	54,000.00
Total Dept 000		730,189.54	649,000.00	325,369.37	51,984.35	323,630.63
TOTAL REVENUES		730,189.54	649,000.00	325,369.37	51,984.35	323,630.63
Expenditures						
Dept 537 - ADMINISTRATIVE						
590-537-741.000	POSTAGE	(113.78)	0.00	0.00	0.00	0.00
590-537-775.000	REPAIRS & MAINT	933.14	3,000.00	0.00	0.00	3,000.00
590-537-809.000	TRAINING	185.00	100.00	0.00	0.00	100.00
Total Dept 537 - ADMINISTRATIVE		1,004.36	3,100.00	0.00	0.00	3,100.00
Dept 556 - DPW						
590-556-740.000	SUPPLIES	20,360.83	14,000.00	7,763.80	0.00	6,236.20
590-556-743.000	METERS	3,760.84	4,550.00	0.00	0.00	4,550.00
590-556-775.000	REPAIRS & MAINT	1,726.81	1,500.00	317.29	0.00	1,182.71
590-556-802.000	SERVICE	4,712.36	7,000.00	1,353.92	0.00	5,646.08
590-556-803.000	ENGINEERS FEES	11,139.93	15,000.00	10,225.29	0.00	4,774.71
590-556-818.000	CONTRACT LABOR	900.00	1,500.00	0.00	0.00	1,500.00
590-556-965.600	CONTRIBUTION TO 641 LABOR & EQUIPMENT	135,000.00	135,000.00	67,500.00	0.00	67,500.00
590-556-968.000	DEPRECIATION EXPENSE	295,462.00	0.00	0.00	0.00	0.00
590-556-970.000	CAPITAL OUTLAY	8,785.11	90,000.00	70,803.04	0.00	19,196.96
Total Dept 556 - DPW		481,847.88	268,550.00	157,963.34	0.00	110,586.66
Dept 906 - DEBT SERVICE						
590-906-991.000	DEBT SERVICE - PRINCIPAL	0.00	160,001.00	42,000.00	0.00	118,001.00
590-906-993.000	BOND INTEREST	206,724.75	216,155.00	134,729.37	32,780.00	81,425.63
Total Dept 906 - DEBT SERVICE		206,724.75	376,156.00	176,729.37	32,780.00	199,426.63
TOTAL EXPENDITURES		689,576.99	647,806.00	334,692.71	32,780.00	313,113.29
Fund 590 - SEWER FUND:						
TOTAL REVENUES		730,189.54	649,000.00	325,369.37	51,984.35	323,630.63
TOTAL EXPENDITURES		689,576.99	647,806.00	334,692.71	32,780.00	313,113.29
NET OF REVENUES & EXPENDITURES		40,612.55	1,194.00	(9,323.34)	19,204.35	10,517.34

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		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 591 - WATER FUND						
Revenues						
Dept 000						
591-000-642.000	BILLS	192,043.54	203,000.00	94,242.28	13,907.04	108,757.72
591-000-642.001	FIXED COSTS	347,274.86	476,460.00	189,523.60	31,577.81	286,936.40
591-000-644.000	PENALTIES	220.00	0.00	370.00	40.00	(370.00)
591-000-656.000	FINES & FORFEITURES	12,477.79	14,000.00	8,811.35	1,173.84	5,188.65
591-000-672.000	HOOK UP FEES	0.00	2,000.00	0.00	0.00	2,000.00
Total Dept 000		552,016.19	695,460.00	292,947.23	46,698.69	402,512.77
TOTAL REVENUES		552,016.19	695,460.00	292,947.23	46,698.69	402,512.77
Expenditures						
Dept 537 - ADMINISTRATIVE						
591-537-731.000	PUBLICATION	630.48	500.00	0.00	0.00	500.00
591-537-740.000	SUPPLIES	58.55	1,500.00	574.17	0.00	925.83
591-537-741.000	POSTAGE	3,324.13	3,500.00	1,576.61	225.98	1,923.39
591-537-781.000	COMPUTER SOFTWARE	991.99	1,500.00	0.00	0.00	1,500.00
591-537-809.000	TRAINING	1,062.43	1,200.00	75.00	0.00	1,125.00
Total Dept 537 - ADMINISTRATIVE		6,067.58	8,200.00	2,225.78	225.98	5,974.22
Dept 556 - DPW						
591-556-731.000	PUBLICATION	763.44	150.00	0.00	0.00	150.00
591-556-740.000	SUPPLIES	3,564.34	2,500.00	1,631.30	0.00	868.70
591-556-743.000	METERS	3,760.85	4,550.00	2,204.00	2,204.00	2,346.00
591-556-775.000	REPAIRS & MAINT	31,906.54	2,500.00	1,747.97	1,170.00	752.03
591-556-802.000	SERVICE	10,500.08	8,200.00	5,756.96	1,330.00	2,443.04
591-556-803.000	ENGINEERS FEES	7,218.02	18,000.00	17,274.02	0.00	725.98
591-556-818.000	CONTRACT LABOR	600.00	1,500.00	4,613.72	0.00	(3,113.72)
591-556-965.600	CONTRIBUTION TO 641 LABOR & EQUIPMENT	177,328.68	230,000.00	175,000.00	60,000.00	55,000.00
591-556-968.000	DEPRECIATION EXPENSE	152,386.00	0.00	0.00	0.00	0.00
591-556-970.000	CAPITAL OUTLAY	0.00	90,000.00	31,314.00	0.00	58,686.00
Total Dept 556 - DPW		388,027.95	357,400.00	239,541.97	64,704.00	117,858.03
Dept 906 - DEBT SERVICE						
591-906-992.000	BOND PRINCIPAL	0.00	92,000.00	26,000.00	0.00	66,000.00
591-906-993.000	BOND INTEREST	116,739.99	117,494.99	77,870.62	20,253.75	39,624.37
Total Dept 906 - DEBT SERVICE		116,739.99	209,494.99	103,870.62	20,253.75	105,624.37
TOTAL EXPENDITURES		510,835.52	575,094.99	345,638.37	85,183.73	229,456.62
Fund 591 - WATER FUND:						
TOTAL REVENUES		552,016.19	695,460.00	292,947.23	46,698.69	402,512.77
TOTAL EXPENDITURES		510,835.52	575,094.99	345,638.37	85,183.73	229,456.62
NET OF REVENUES & EXPENDITURES		41,180.67	120,365.01	(52,691.14)	(38,485.04)	173,056.15

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REVENUE AND EXPENDITURE REPORT FOR CITY OF POTTERTVILLE

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PERIOD ENDING 01/31/2023

GL NUMBER	DESCRIPTION	END BALANCE 06/30/2022 NORMAL (ABNORMAL)	2022-23 ORIGINAL BUDGET	YTD BALANCE 01/31/2023 NORMAL (ABNORMAL)	ACTIVITY FOR MONTH 01/31/2023 INCREASE (DECREASE)	AVAILABLE BALANCE NORMAL (ABNORMAL)
Fund 598 - STORM DRAIN MAINTENANCE						
Revenues						
Dept 000						
598-000-699.101	GF CONTRIBUTION	5,000.00	7,950.00	7,950.00	0.00	0.00
Total Dept 000		5,000.00	7,950.00	7,950.00	0.00	0.00
TOTAL REVENUES		5,000.00	7,950.00	7,950.00	0.00	0.00
Expenditures						
Dept 556 - DPW						
598-556-740.000	SUPPLIES	0.00	0.00	1,358.50	0.00	(1,358.50)
598-556-818.000	CONTRACT LABOR	1,234.39	7,700.00	18,500.00	0.00	(10,800.00)
598-556-931.000	DPW MAINT & REPAIR	66.00	250.00	687.50	0.00	(437.50)
Total Dept 556 - DPW		1,300.39	7,950.00	20,546.00	0.00	(12,596.00)
TOTAL EXPENDITURES		1,300.39	7,950.00	20,546.00	0.00	(12,596.00)
Fund 598 - STORM DRAIN MAINTENANCE:						
TOTAL REVENUES		5,000.00	7,950.00	7,950.00	0.00	0.00
TOTAL EXPENDITURES		1,300.39	7,950.00	20,546.00	0.00	(12,596.00)
NET OF REVENUES & EXPENDITURES		3,699.61	0.00	(12,596.00)	0.00	12,596.00

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REVENUE AND EXPENDITURE REPORT FOR CITY OF POTTERVILLE

Page: 17/17

PERIOD ENDING 01/31/2023

GL NUMBER	DESCRIPTION	END BALANCE	2022-23	YTD BALANCE	ACTIVITY FOR	AVAILABLE
		06/30/2022	ORIGINAL	01/31/2023	MONTH 01/31/2023	BALANCE
		NORMAL (ABNORMAL)	BUDGET	NORMAL (ABNORMAL)	INCREASE (DECREASE)	NORMAL (ABNORMAL)
Fund 641 - EQUIPMENT REPAIR & REPLACEMENT						
Revenues						
Dept 000						
641-000-699.100	OPERATING TRANSFER-IN	567,432.72	587,671.32	367,500.00	60,000.00	220,171.32
Total Dept 000		567,432.72	587,671.32	367,500.00	60,000.00	220,171.32
TOTAL REVENUES		567,432.72	587,671.32	367,500.00	60,000.00	220,171.32
Expenditures						
Dept 932 - EQUIPMENT REPAIR ACTIVITY						
641-932-703.000	SALARIES	252,405.79	258,750.00	136,763.21	16,717.54	121,986.79
641-932-703.002	OVERTIME SALARIES	14,006.07	14,000.00	7,152.03	1,077.87	6,847.97
641-932-719.000	FRINGE BENEFITS	72,654.26	85,500.00	49,882.07	7,398.29	35,617.93
641-932-728.000	UNIFORM EXPENSES	5,191.90	3,300.00	1,482.91	227.96	1,817.09
641-932-731.000	POSTAGE	0.00	1,200.00	0.00	0.00	1,200.00
641-932-740.000	SUPPLIES	13,631.32	18,000.00	9,715.99	974.27	8,284.01
641-932-775.000	REPAIRS & MAINT	33,629.84	16,000.00	30,861.92	2,636.10	(14,861.92)
641-932-781.000	COMPUTER SOFTWARE	2,100.00	2,100.00	0.00	0.00	2,100.00
641-932-782.000	STREET MATERIALS & SUPPLIES	8,500.40	10,000.00	7,047.79	83.71	2,952.21
641-932-802.000	SERVICE	10,521.08	8,000.00	2,291.46	320.00	5,708.54
641-932-809.000	TRAINING	1,912.99	1,500.00	801.80	0.00	698.20
641-932-853.000	TELEPHONE EXPENSE	4,090.11	3,900.00	1,796.37	253.50	2,103.63
641-932-862.000	GAS	23,214.39	26,000.00	15,203.53	2,855.60	10,796.47
641-932-913.000	INSURANCE-LIAB & WORKMAN COMP	27,640.10	28,000.00	1,075.50	991.50	26,924.50
641-932-920.000	UTILITIES	126,185.05	127,500.00	67,767.95	12,290.88	59,732.05
641-932-958.000	DUES AND SUBSCRIPTIONS	72.00	800.00	0.00	0.00	800.00
641-932-968.000	DEPRECIATION EXPENSE	40,099.00	0.00	0.00	0.00	0.00
641-932-970.000	CAPITAL OUTLAY	7,052.55	5,000.00	3,754.75	0.00	1,245.25
Total Dept 932 - EQUIPMENT REPAIR ACTIVITY		642,906.85	609,550.00	335,597.28	45,827.22	273,952.72
TOTAL EXPENDITURES		642,906.85	609,550.00	335,597.28	45,827.22	273,952.72
Fund 641 - EQUIPMENT REPAIR & REPLACEMENT:						
TOTAL REVENUES		567,432.72	587,671.32	367,500.00	60,000.00	220,171.32
TOTAL EXPENDITURES		642,906.85	609,550.00	335,597.28	45,827.22	273,952.72
NET OF REVENUES & EXPENDITURES		(75,474.13)	(21,878.68)	31,902.72	14,172.78	(53,781.40)
TOTAL REVENUES - ALL FUNDS						
TOTAL EXPENDITURES - ALL FUNDS						
NET OF REVENUES & EXPENDITURES		179,301.44	105,760.18	182,232.36	(70,342.75)	(76,472.18)

City of Potterville

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February 9, 2023

To: City Council
From: Aaron Sheridan, City Manager
Subject: Manager's Report

Please review my report and let me know if you have questions or comments. Thank you.

1. Council has been provided a Resolution for a +5% rate adjustment to City utilities fees pursuant to a USDA Rural Development Bond initiative of an anticipated 5-million-dollar amount needed to replace lost water supplies of City Wells #1 (behind City Hall) and #2 (City Park), abandon in 2015 and 2005. These historic wells were drilled in 1952 and were taken offline... yet their capacities to produce water for residents and businesses were only replaced, in part, when the City choose to develop 1 well (only) in 2014... this decision to replace 2 wells with 1 created a supply shortage of water and water pressure in the City. Since the abandonments of Well #1 and #2, demand for water services have increased for all types of customers including industry and commercial, and developments. As such, the City is being advised by water agencies such as EGLE and Michigan Rural Water Association to act with haste and address its issues of firm water capacity and fire protection as noted in the City's Water Reliability Study of 2020. In response to this, City council has worked diligently towards acquiring land/testing/permitting for a Type I production well that can sustain a large draw of potable water for City use. After two years, and more than \$200,000 in expenses this goal has been met; and Council has the opportunity to consider development of a new production well and financing with USDA Rural Development. The Rural Development Dept. of USDA provides special types of government assisted bonds for small communities like Potterville, that offer longer-term bonds at lesser rates than normal markets allow. The consideration of these types of Bonds is dependent upon the City being able to adjust its utility rates sufficiently for bond payments and requirements to hold cash reserves and "Replacement and Repair" balances. Council's first step towards obtaining a USDA RD Bond would be to act on the current Rate Resolution in February then make a request to USDA to review a development project with accurate cost estimates. Public Engineer Dan Whalen's, recent study of the City wellhead property delineates test results supporting development of a Type I Well that will be provided to USDA. His study shows at least 350 gallons per minute of pump age could be obtained from the City property and that it is a viable source for a Type I production well.

2. I have discussed an employee benefit of paid Holidays for two permanent part-time employees of the City Administrative staff, City Clerk and City Secretary, that would be of minimal impact to the City Budget, and (I feel) deserved in today's employment environment. The staffers that I recommend receive paid Holidays are both highly valued permanent part-time employees, and critical components of the City's organization. They have proved themselves over numerous years of service to be reliable public servants and have, in my opinion, earned "holidays off" with pay. This consideration I feel is overdue for these employees, and necessary to ensure the City

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maintains a competitive workplace environment. Unless Council objects I shall act immediately to provide paid holidays to these two employees.

3. TIFA Report – TIFA Board Members reviewing suggestions regarding TIFA investments that and actions to close their existing account with Eaton Community and open a “sweep account” with Independent Bank due to Independent Bank having higher interest rates and more options to invest monies. After establishing the sweep account, TIFA could benefit by taking \$100,000 and placing it in a 6-month Certified Deposit with a current interest rate of 4.05% as offered by Independent Bank. The sweep account would earn approx. 0.85% (rate changes week to week). TIFA would need to name check signers in the TIFA Meeting minutes. The only “large” expenditure the TIFA would have during the term of the CD is the interest on their bond which is approximately \$8,200.00. The next bond payment is not due until Oct 1, 2023... that is after the next tax distribution from 2023 taxes. So, if TIFA goes with a 6 month CD it will have the option to deposit more or less in October when it receives new revenue in the prior month of September.

4. City’s new 2023 schedule for “Dump your Junk” events and curbside pickups are available at City Hall and online at

[https://pottervillemi.org/wp-content/uploads/2023/02/2023-Dump-Junk-and-](https://pottervillemi.org/wp-content/uploads/2023/02/2023-Dump-Junk-and-Curbside-Notice.pdf)

[Curbside-Notice.pdf](https://pottervillemi.org/wp-content/uploads/2023/02/2023-Dump-Junk-and-Curbside-Notice.pdf) . The City’s “Dump your Junk” events are held bi-annually at the same location at Lake Alliance Park, near the City’s licensed compost area on the west side of the Park. The Notice is be published in the County Journal early April, and will be provided on the City’s Utility Bills. Also, please spread the word that residents have access to the City’s compost site to drop off leaves, weeds, and grass clippings. Residents need only to call City Hall during business hours to sign out a key to the compost gate. Residents (only) can utilize this service all year round. Please no commercial waste or any household trash / waste of any kind. The City’s compost site may only store household leaves, grass clippings and/or wood chips. No plastic bags or containers of any kind are allowed by law.

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TREASURER'S REPORT

February 16, 2023

Utility bills—as of 01/31/23 (bills due on 15th) \$28,323.59 is outstanding with \$22,068.28 over 30 days past due.

Water usage month of Jan (Feb billing): 4,723,297 gallons

Sewer usage month of Jan (Feb billing): 4,716,441 gallons

Ready to service charge-water: \$31,237.14

Ready to service charge-sewer: \$39,277.32

Total water and sewer billed out from 12/23-1/25/23 is \$103,886.73

Payroll month of January, 2023: \$72,082.44 (this includes all payroll taxes + MERS+ Council payroll).

Tax bills are due on 2/14/2023. Penalties and interest will be applied after 5:00 P.M. on 2/14/23. All real property tax bills must be paid by 2/28/22. If not paid by 2/28/2022, the outstanding amounts are collected by the County. Summer Collection: 97.8%, Winter Collection: 88.7%

Bank reconciliations completed for month of January, 2023:

General account – Reconciled balance: **\$2,849,788.86**

Payroll account - Reconciled balance: **\$4,636.13**

Tax account – Reconciled balance: **\$362,464.33**

Gizzard Fest – Reconciled balance: **\$35,135.80**

Interest rates have increased significantly and I have talked to Independent Bank about different options to increase some interest on the Cities monies. The City currently has their funds in a secured sweep account and is earning 2.9% on the monies showing in the General Account. Independent Bank offers CDARS accounts (like CD's but federally insured over

\$250,000) in different time denominations. I think it would be in the best interest of the city to move \$1 million into a 13 week CDARS account earning 3.65%. This will allow the city to earn a little extra interest and not tie money up for an extended period. At the end of the 13 weeks, interest rates and money needs would then be revisited and then either reinvested or pulled from CDARS. As the City funds would drop below 2.5 million, this would reduce our current 2.9% interest rate to approximately 2.3%.

After much consideration, I have also proposed that TIFA move their current funds from Eaton Community Bank to Independent Bank as well. After reviewing interest rates and options with both banks, Independent Bank has many more options when it comes to investing their funds. This is being discussed at the TIFA meeting on 2/13/23.

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From the Clerk's office – February 2023

Proposal 2 of 2022 – Impacts, possibilities, challenges, and realities.

I attended a meeting with Clerks, in the tri-county area, to discuss the requirements that will be for Proposal 2, that passed last November. The Legislative branch is drafting bills to determine the policy and implementation of the proposal. How this will be accomplished is yet to be determined. Some things we do know for sure:

- Prepaid postage and ballot tracking
- Permanent ballot list
- Early in person voting for 9 days for State and Federal elections.
 - 216 hours of additional election pay for election workers.
 - 8 hours of voting each of the 9 days
 - 3 election workers each day at the polls.
 - extra equipment will be needed. It would be impossible to use the same as “day of.”
 - 9 days of early voting will be a separate election from the scheduled “day of” election.

One possibility is to join with neighboring jurisdictions to have shared services which will require voters to vote in different polling places than usual.

One thing we do know is there will be a lot of changes and it will be confusing for the voters for the first few elections. The November 2023 election is a local election only so we will not be following these procedures. The Bureau of Elections believes it will be difficult to get all the details in place by the presidential primary in Feb/Mar of 2024. They are setting goals to be ready by the August primary of 2024.

If I can be of any assistance, please contact me.

Becky Dolman

City of Potterville

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Personal property statements are now coming back in. The majority of businesses within the City are eligible for the Small Business Taxpayer Exemption (MCL 211.9o).

Economic Condition Factors and Land Values have been finalized to set assessed values for the year.

2023 assessment notices will be going out in the mail to taxpayers by February 24th.

March Board of Review will be held Monday, March 13th: 9am-3pm and Tuesday, March 14th: 3pm-9pm.

Thanks,



Sarah Payton, MAAO

City of Potterville

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February 2023

From the office of the Parks & Recreation Department for the City of Potterville:

The Parks & Recreation Department continues to do administrative work, planning, implementation, observation, evaluating, training, and continuing education.

- Many improvements projects are in progress out at Lake Alliance Park such as maintaining the woods, clearing trials, trees, etc. Our Disc Golf Course is throughout the park and even in the woods. Nowhere in the City's Master Plan does it state to remove this amenity. It is a great asset to the park; we need to complete the improvements projects we are currently working on which takes time before tackling the Disc Golf Course.
- We have submitted the Project Agreement with the resolution for the Sunset Hills Park Project and are waiting on approval by our Grant Coordinator, the Program Manager, and the Section Manager, before it is a fully executed Projected Agreement. Once this process is completed, the next step is the bidding documents. The bidding documents are currently in progress, once those are complete, we need to submit the bidding documents to the MDNR for approval as well; then after this approval we'll be able to advertise and collect bids. We cannot get any bids until the approval of the MDNR. Currently, the Project Agreement has been approved by our Grant Coordinator, and the Program Manager. We just need approval from the Section Manager and this step will be complete. Then onto the bid documents proofs.
- We received news on the new Michigan Spark Grant that we submitted two applications for. One was for Veterans Park and the other was for City Park. Neither of the applications were chosen in the first round. In total the DNR considered 462 applications requesting more than \$280 million worth in outdoor recreation projects. This was a very competitive grant program that the DNR offered, and it was only the first year. Only 21 communities were awarded the Spark Grant that total \$14.2 million for the first round. The remaining \$50 million will be awarded by the end of 2023, which since not being awarded we will need to reapply with a new resolution depending on how the process goes and timeline for re-applying.
- The Community Service Day with Potterville High School that took place in January went well even with the weather. The students were able to do trash around the pavilions and Imagination Station and then headed over to the library for assistance there. We are working with the High School Principal as there is another Community Service Day being planned on May 12, 2023.
- Continue to fill, book, secure and confirm events for the 2023 season.
- Youth Baseball Registration are open. This is the program that joins a league and plays against other teams in their age group. It is a travel league that includes home and away games. Cost is to cover the uniforms, umpire fees, supplies/equipment for the team(s), maintaining the fields, etc.
- T-Ball and Coach Pitch registration will be opening in late February.
- I have continued to further my education and learning opportunities:
 - I'm certified in Heads Up Concussion from a Coaching, Sports Official, Parent and Other standpoints.
 - I have completed my training in CPR/AED: Adult, Child, Infant and Standard First Aid (BLS) and Bloodborne Pathogens.
 - I'll be taking the Servsafe Exam this month and studying for the CPRP Exam.
- I'll be attending the DNR Recreation Grants Workshop in February.
- I'll be attending the mParks Conference & Trade Show. This year's theme is "*Success we Share: Celebrating our Professional Community*" this will be taking place in March.

Respectfully Submitted,

Tiffany Faliu, Parks & Recreation Director

City of Potterville

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Council report for February DPW

1. The DPW is still removing dead trees and underbrush out to lake alliance through the woods we are cleaning and trimming as we go this project has been ongoing for a couple years now and will be ongoing for a few more till we finish.
2. I met with plumbers environmental and we camera the sewer lines at East Cherry St., we found numerous deficiencies in the hook ups and the pipes.
3. We had one of our wastewater's aerators fail this past week it is 5 years old it runs 24-7 365 days a year the average life expectancy is 3 to 5 years I feel we did very well this was replaced with our back up unit, but we will need to have this one rebuilt soon as so we have another back up unit.
4. The last 2 snow events went very well with no major issues.
5. We received our last of the years salt for roads which was 50 tons for the year.
6. We took down all the Christmas decorations for Vermontville Hwy and main street and changed banners.
7. We went to mount Clemmons mi to pick up office furniture for Jodi's office and installed furniture also in Jodi's office.

Donald Stanley
Director of Public Works
City of Potterville, Michigan
Dstanley@pottervillemi.org
(517)667-9524



Benton Township Fire Department

4713 Hartel Road

Pottersville, MI 48876

Business 517-645-7061 * Fax 517-645-7074

Proudly Serving Benton Township & the City of Pottersville

Monthly Report January 2023

Operational Information:

- E/T-215 rebuild is complete and back in-service
- Minor light repairs to E-211 per DOT inspection
- EMS response's
- Holiday Dinner
- 2 Members attending Advanced EMT training
- 1 Member has completed the EMT program and now has her State of Michigan EMT license
- 2 Members still attending the Eaton County Firefighter I & II academy
- 2 New Paramedics starting the orientation/on-boarding process

Training:

- Tanker & Porta Tank Operations
- EMS Airway & Oxygen Administration

Meetings & Special Events:

- Eaton County Fire Chiefs meeting regarding traffic control
- Tri County Emergency Medical Control Board of Directors

Calls for Service (CFS):

- **Fire** – 04 City of Pottersville, 09 Benton Township, 04 Mutual Aid
- **EMS** – 19 City of Pottersville, 16 Benton Township, 38 Mutual Aid

City of Potterville

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RESOLUTION NO. 23-0216-02

At a regular meeting of the City Council of the City of Potterville, Eaton County, Michigan, held at the City Hall in said City on the 16th day of February, 2023, at 7:00 p.m.

Present:

Absent:

The following Resolution was offered by XXXXXXXXXX and seconded by XXXXXXXXXX.

RESOLUTION TO ADOPT A FLAT RATE INCREASE OF 5% TO CITY UTILITY WATER AND WASTERWATER CUSTOMER FEES AND WATER AND WASTEWATER CONNECTION FEES THAT IS THE 2023 INFLATION RATE MULTIPLIER OF THE STATE OF MICHIGAN TAX COMMISSION.

WHEREAS, the City Council of the City of Potterville (“the City”) shall fund all principal and interest payments on all United States Department of Agriculture Rural Development (USDA RD) Revenue Bonds issued to the City for the construction and development of the City’s water and wastewater utility systems, payable from net revenues that shall meet the revenue requirements of total costs resulting from operation of the water and wastewater systems, after paying costs of operation and maintenance, replacement of operating equipment, capital improvement, administrative expenses of financial management, billing and meter reading etc., and debt service expenses of those systems; and

WHEREAS, such revenues shall consist of and be derived from utility fee rates, connection fees and charges billed to the users of the City’s water and wastewater treatment systems, respectively, and composed in adopted fee schedules as determined by the City and amended from time to time upon analysis of the City; and

WHEREAS, the City resolves to increase utility water and wastewater customer fees and water and wastewater connection fees in a flat rate of amount of 5% that is the 2023 inflation rate multiplier of the State of Michigan Tax Commission; and

WHEREAS, the new fee rates are applied to all water and wastewater customer types and groups in manner that is fair, without bias or prejudice; and

WHEREAS, the new utility fee rates and connection fees are itemized as follows:

City of Potterville

319 N. Nelson St. ♦ PO Box 488 ♦ Potterville, MI 48876 ♦ Phone: (517) 645-7641
Fax: (517) 645-7810 ♦ www.pottervillemi.org

NEW UTILITY FEE RATES PER MONTH – WATER

	<u>Current Rate</u>	<u>New Rate (Current Rate x 1.05)</u>	<u>Change +/-</u>
“Usage” Per 1,000 gal.	\$3.93 per 1,000 gal.	\$4.13 per 1,000 gal.	+\$0.20 per 1,000 gal.
“Ready to Serve” Mobile Home Unit	\$13.33 per unit	\$14.00 per unit	+\$0.67 per unit
“Ready to Serve” 5/8-inch Meter Size	\$26.66 per meter	\$27.99 per meter	+\$1.33 per meter
“Ready to Serve” 1-inch Meter Size	\$66.66 per meter	\$69.99 per meter	+\$3.33 per meter
“Ready to Serve” 2-inch Meter Size	\$213.31 per meter	\$223.98 per meter	+\$10.76 per meter
“Ready to Serve” 3-inch Meter Size	\$399.96 per meter	\$419.96 per meter	+\$20.00 per meter
“Ready to Serve” 4-inch Meter Size	\$666.60 per meter	\$699.93 per meter	+\$33.33 per meter
“Ready to Serve” 6-inch Meter Size	\$1,333.20 per meter	\$1,399.86 per meter	+\$66.66 per meter

NEW UTILITY FEE RATES PER MONTH – WASTEWATER

	<u>Current Rate</u>	<u>New Rate (Current Rate x 1.05)</u>	<u>Change +/-</u>
“Usage” Per 1,000 gal.	\$3.08 per 1,000 gal.	\$3.23 per 1,000 gal.	+\$0.15 per 1,000 gal.
“Ready to Serve” 5/8-inch Meter Size	\$33.74 per meter	\$35.43 per meter	+\$0.31 per meter
“Ready to Serve” 1-inch Meter Size	\$84.34 per meter	\$88.56 per meter	+\$4.22 per meter
“Ready to Serve” 2-inch Meter Size	\$269.89 per meter	\$283.38 per meter	+\$13.49 per meter
“Ready to Serve” 3-inch Meter Size	\$506.04 per meter	\$531.34 per meter	+\$25.30 per meter
“Ready to Serve” 4-inch Meter Size	\$843.40 per meter	\$885.57 per meter	+\$42.17 per meter
“Ready to Serve” 6-inch Meter Size	\$1,686.80 per meter	\$1,771.14 per meter	+\$84.34 per meter

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NEW UTILITY WATER CONNECTION FEES PER METER

	<u>Current Rate</u>	<u>New Rate (Current Rate x 1.05)</u>	<u>Change+/-</u>
5/8-inch Meter Size	\$2,0000.00 per meter	\$2,100.00 per meter	+\$100.00 per meter
1-inch Meter Size	\$5,000.00 per meter	\$5,250.00 per meter	+\$250.00 per meter
1 ½-inch Meter Size	\$10,000.00 per meter	\$10,500.00 per meter	+\$500.00 per meter
2-inch Meter Size	\$16,000.00 per meter	\$16,800.00 per meter	+\$800.00 per meter
3-inch Meter Size	\$30,000.00 per meter	\$31,500.00 per meter	+\$1,500.00 per meter
4-inch Meter Size	\$50,000.00 per meter	\$52,500.00 per meter	+\$2,500.00 per meter
5-inch Meter Size	\$100,000.00 per meter	\$105,000.00 per meter	+\$5,000.00 per meter

NEW UTILITY WASTEWATER CONNECTION FEES PER METER

	<u>Current Rate</u>	<u>New Rate (Current Rate x 1.05)</u>	<u>Change+/-</u>
5/8-inch Meter Size	\$2,0000.00 per meter	\$2,100.00 per meter	+\$100.00 per meter
1-inch Meter Size	\$5,000.00 per meter	\$5,250.00 per meter	+\$250.00 per meter
1 ½-inch Meter Size	\$10,000.00 per meter	\$10,500.00 per meter	+\$500.00 per meter
2-inch Meter Size	\$16,000.00 per meter	\$16,800.00 per meter	+\$800.00 per meter
3-inch Meter Size	\$30,000.00 per meter	\$31,500.00 per meter	+\$1,500.00 per meter
4-inch Meter Size	\$50,000.00 per meter	\$52,500.00 per meter	+\$2,500.00 per meter
5-inch Meter Size	\$100,000.00 per meter	\$105,000.00 per meter	+\$5,000.00 per meter

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WHEREAS, the City has reviewed and held public hearing upon the new water and wastewater utility fee rates and connection fees, as summarized above; and

WHEREAS, the new Utility Fee Rates and New Utility Connection Fees for water and wastewater services are based upon the total system costs of the City's water and wastewater utilities; and

WHEREAS, the City is an equal opportunity provider and employer that determines its utility water and wastewater fees rates in a manner that is based on good business practices, fairness, and professional study from such groups as the Michigan Rural Water Association and Bakertilly Municipal Advisors; and

WHEREAS, the City shall make available all new water and wastewater utility fee rates and include them in a consolidated fee schedule that is available to the public and on file in the Office of the City Clerk;

NOW, THEREFORE, BE IT RESOLVED AS FOLLOWS:

1. The City Council of the City of Potterville (the City) adopts new water and wastewater utility fee rates and connection fees for its public water and wastewater services as set forth above in this Resolution. The City's new utility fee rates shall be applied in a manner that is fair and uniform, and shall replace current water and wastewater utility fees rates and connection fees. The new fee rates shall be incorporated in the Utility Fee Schedule and Consolidated Fee Schedule for the City of Potterville that is to be on file with the Office of the City Clerk.

2. The new water and wastewater fee rates for water and wastewater utility services shall go into effect no more than 60 days upon adoption of this Resolution.

3. Any and all City Council Resolutions that are in conflict with this Resolution are hereby repealed, but only to the extent necessary to give this Resolution full force and effect.

Those Council Members voted:

Yeas:

Nays:

City of Potterville

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Absent:

RESOLUTION DECLARED ADOPTED: February 16, 2023

STATE OF MICHIGAN

COUNTY OF EATON

CLERK'S CERTIFICATE

I, Becky Dolman, the duly qualified and acting City Clerk of the City of Potterville, Eaton County Michigan
DO HEREBY CERTIFY that the foregoing is a true and complete copy of certain proceeding taken by the
City Council of said City at regular meeting held on the 16th day of February, 2023.

Becky Dolman

City Clerk

Water /sewer projection with 5% increase

City Utility

Water/Sewer

Rates	<u>Current Rate</u>	<u>5% increase</u>	<u>Billed Meters</u> <u>(or billable flow)</u>	<u>Monthly Revenue</u> <u>(new rate)</u>	<u>Current Rate</u>	<u>5% increase</u>	<u>Billed</u>	<u>Monthly Revenue</u> <u>(new rate)</u>
Water: \$3.93 per 1000 gallons usage	-							
Sewer: \$3.08 per 1000 gallons usage	\$3.93	\$4.13	50607	\$208,829.79	\$3.08	\$3.23	50607	\$163,460.61

Meter Read

Sizes (RS) Fee

for Water :

Meter Read Sizes

(RS) Fee for Sewer

:

5/8"	\$26.66				5/8" (standard)	\$33.74			
(standard)		\$27.99	687	\$19,231.19			\$35.43	693	\$24,550.91
1"	\$66.66	\$69.99	7	\$489.95	1"	\$84.34	\$88.56	7	\$619.90
2"	\$213.31	\$223.98	28	\$6,271.31	2"	\$269.89	\$283.38	30	\$8,501.54
3"	\$399.96	\$419.96	1	\$419.96	3"	\$506.04	\$531.34	1	\$531.34
4"	\$666.60	\$699.93			4"	\$843.40	\$885.57		
6"	\$1,333.20	\$1,399.86			6"	\$1,686.80	\$1,771.14		
Manf. Housing					Manf. Housing	\$16.87			
	\$13.33	\$14.00	436	\$6,102.47			\$17.71	436	\$7,723.09
		Subtotal		\$32,514.89			Subtotal		\$41,926.77
		x12 months		12			x12 months		12
		Total ready to serve revenue		\$390,178.66			Total ready to serve revenue		\$503,121.28
		TOTAL WTR RATE REVENUE		\$599,008.44			TOTAL SWR RATE REVENUE		\$666,581.89

Water/Sewer Tap Permit:

22/23 CURRENT PROJECTION **\$570,483**

22/23 CURRENT PROJECTION	\$639,889
---------------------------------	------------------

Meter Size:	Capacity Charge for Water System:	Capacity Charge for Sewer System:	5% increase water	5% increase sewer
5/8"	\$2,000.00	\$2,500.00	\$2,100.00	\$2,625.00
1"	\$5,000.00	\$6,250.00	\$5,250.00	\$6,562.50
1 1/2"	\$10,000.00	\$12,500.00	\$10,500.00	\$13,125.00
2"	\$16,000.00	\$20,000.00	\$16,800.00	\$21,000.00
3"	\$30,000.00	\$37,500.00	\$31,500.00	\$39,375.00
4"	\$50,000.00	\$62,000.00	\$52,500.00	\$65,100.00
5"	\$100,000.00	\$125,000.00	\$105,000.00	\$131,250.00



January 30, 2023

Hien Dang, District Engineer
 Department of Environment, Great Lakes, and Energy (EGLE)
 Drinking Water and Environmental Health Division
 Lansing District Office
 Constitution Hall 525 West Allegan Street
 P.O. Box 30473
 Lansing, MI 48909-7973

RE: City of Potterville – Groundwater Resource Evaluation for Test Production Well No. 5 - WSSN 05550

Dear Ms. Dang:

The City of Potterville recently completed the construction and testing of a new test production well at a wellsite located on the northeast part of the City. An aquifer analysis was performed as a part of this work to evaluate and define the local aquifer hydraulic properties to rate the capacity of the well and predict the long-term behavior of the aquifer.

The purpose of this report is to summarize the test production well construction and its pumping performance, and to present the results and analysis of an aquifer test that was performed using the new test-production well. The aquifer testing had several objectives; i) derive the aquifer parameters for the local aquifer to fulfill the requirements of Policy/Procedure DWRP-03-003¹, ii) map the extent of the local aquifer beyond the wellsite property to put the aquifer in context with the surrounding geology and the closest existing city production wellsites (Well Nos. 3 and 4) and, iii) determine the long term behavior of the aquifer under the 100-day pumping scenario at the recommended pumping capacity.

The analyses presented in this report demonstrate that the new Test-Production Well No. 5, can be rated at 350 gpm while maintaining adequate additional available drawdown in the well. These conclusions are presented below.

Background

The City of Potterville currently operates two production wells located in the central and northcentral part of the city (see Figure 1). The city had formerly operated a third well, Well No. 1 which was located near the City Hall, but this well was abandoned in 2020 due to its age and persistent radionuclide levels at or near the MCL.

A new production well has been constructed and tested which will reinforce the redundancy of the city's source water, and favorably increase the water system firm capacity. The proposed wellsite is in an entirely new location in the north-northeast part of the city in the SE ¼, SE ¼, NE ¼, of Section 23, T03N, R04W, in Benton Township,

¹ Aquifer Test Requirements for Public Water Supply Wells, 1997, Michigan Department of Environmental Quality – Water Division (now Michigan Department of Environment, Great Lakes and Energy), Policy/Procedure DWRP-03-003.

Hien Dang, District Engineer
 January 30, 2023
 Page 2 of 16

Eaton County (see Figure 1). The site itself is adequately isolated from known sources of contamination, and there are no known sources of contamination hydraulically upgradient (easterly) of this wellsite.

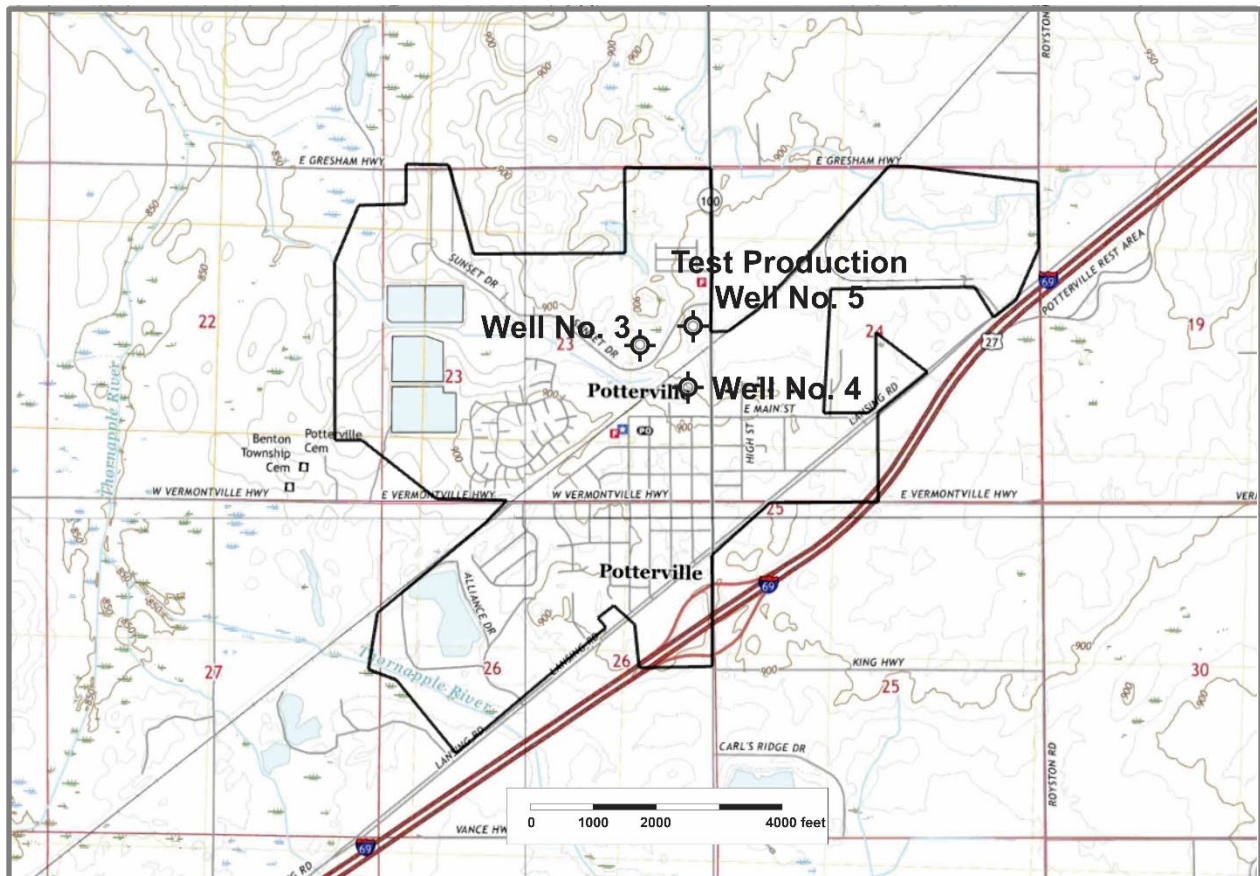


Figure 1. Location Map of the City of Potterville Production Wells and Test-Production Well No. 5

Regional Geologic and Basinal Setting

The City of Potterville lies near the top of the Thornapple River Basin - a major limb of the Grand River Basin. The Thornapple River drains westerly through most of Eaton and Barry Counties, then changes course northward and eventually joins the Grand River in Kent County east of Grand Rapids. There are numerous second and third order tributaries draining to the Thornapple River throughout its course – many of these are shallow and probably associated with shallow limited extent aquifers which are typical of the thin drift characteristic in this part of the basin.

The major surface basinal divide between the Thornapple River Basin and the Grand River Basin lies less than 2-miles east of the city (see Figure 2). Surface topography in this region of the basin is generally flat-to-gently rolling and averages about 900 feet in elevation.

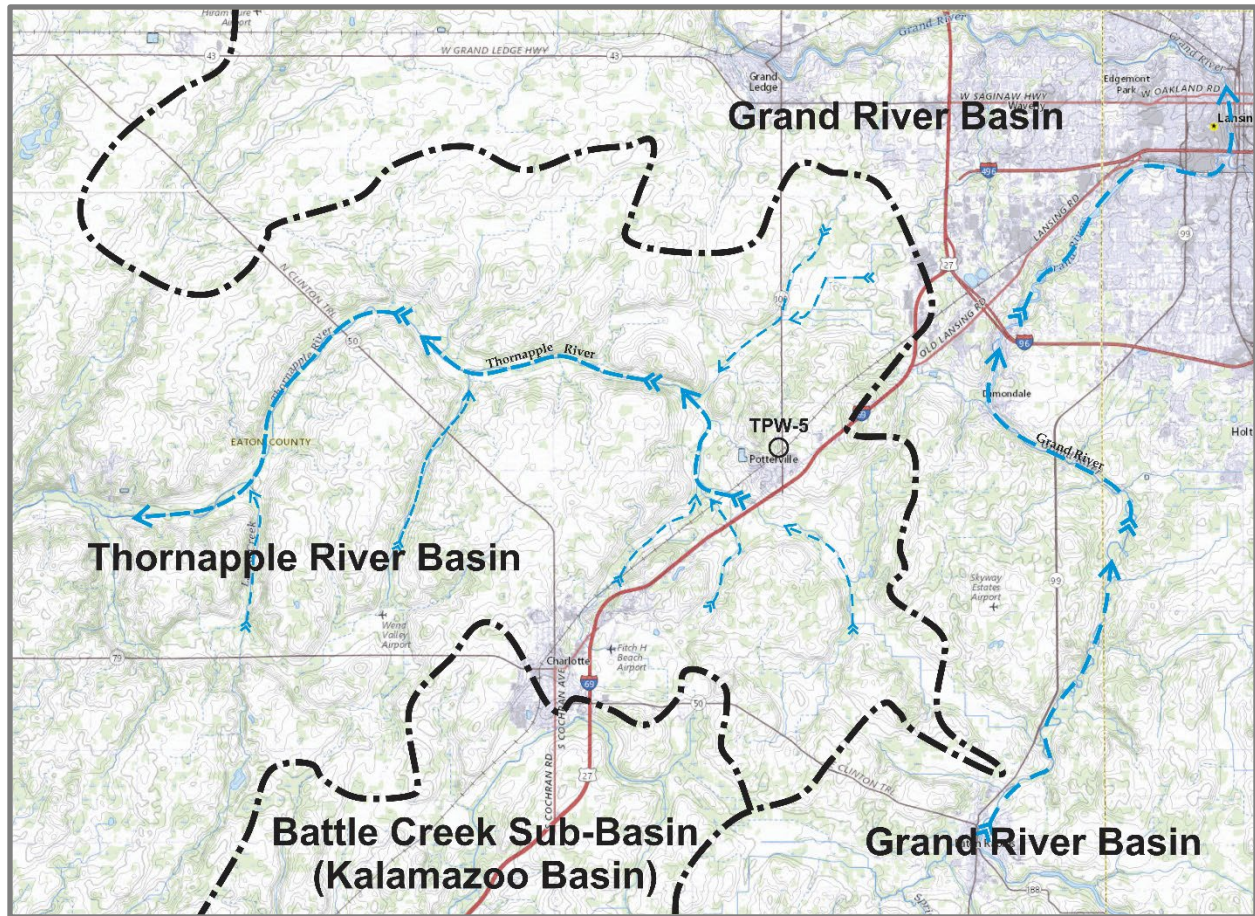


Figure 2. Regional Surficial Drainage in Northern Eaton County

The City of Potterville lies within the Lansing Loamy Plains physiographic region which is generally characterized by glacial hilly and rolling landscapes of low to moderate relief. The glacial deposits in this region tend to be dominated by sprawling ground moraines with isolated end moraines (associated with the Saginaw Lobe), incised with shallow stream channels that flank deeper, somewhat underfit streams. Glacial outwash and/or post-glacial alluvial deposits are present but typically associated with the larger stream valleys in the basin. Lakes in this region are rare.

This glacial setting is typical over most of Eaton County (see Figure 3).

As will be shown later in this report, the bedrock aquifer beneath the City of Potterville is controlled by the hydraulic strength of the Thornapple River.

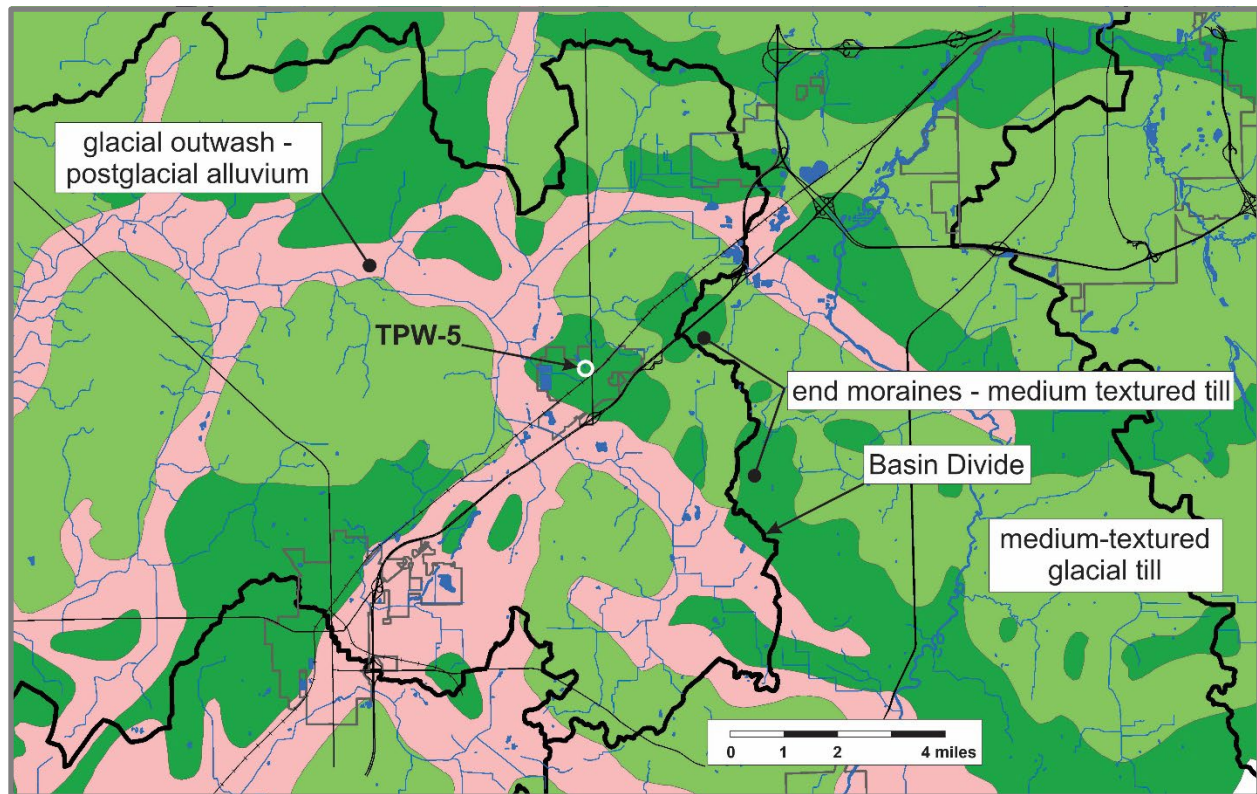


Figure 3 Glacial Deposits in Northern Eaton County (after W.R. Farrand and D.L. Bell, 1982²)

The glacial drift thickness beneath the city and surrounding areas varies depending on topography and the top of bedrock structure contours, but is generally less than 100 feet. The drift materials are mostly clayey in nature with occasional thin and laterally discontinuous sandy layers which may or may not be aquifers.

The bedrock in this region is the Saginaw Formation which consists of laminated shales, sandstones and minor limestones. In the local area surrounding the city, the Saginaw Formation tends to show shaley partings and decomposed sandstone near the surface followed by a relatively “clean” sandstone interval over 100 feet in thickness or more. Shales lie at the bottom of the “clean” sandstone interval marking its lower boundary.

Most of the private and commercial wells in this region derive their water supply from the bedrock except in certain areas where shallow drift aquifers exist within and along the Thornapple River floodplain.

Local Hydrogeologic Setting

The local geology at the Test-Production Well No. 5 wellsite consists essentially of four layers; predominately clayey soils from the surface to the top of bedrock at about 70 feet, shaley sandstone and shale at the top of the bedrock between about 70 to 84 feet, a

² Farrand, W.R. and Bell, D.L., 1982, Quaternary Geology of Southern Michigan: Ann Arbor, Michigan, Department of Geological Sciences, University of Michigan

Hien Dang, District Engineer
 January 30, 2023
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“clean” sandstone interval between 84 and 199 feet, and a basal shale at or near 199 feet that extends to an unknown depth (this basal shale could be the top of the Michigan Formation).

The aquifer at the Test-Production Well No. 5 Wellsite lies within the sandstone interval between about 84 and 199 feet below grade (aquifer thickness (b) is 115 feet), and exists as a confined aquifer with a static water level of about 45 feet below grade; the upper confining layer is the clay-rich drift combined with the shaley top layer of the bedrock - its bottom lies at or near 84 feet from grade (corresponding to the bottom of the upper shale), and the lowermost boundary layer is the basal shale that lies at about 199 feet below grade. The lateral boundaries of the Saginaw Formation bedrock aquifer are extensive and span several counties, however, no-flow groundwater divides to the east and discharge boundaries to the west create localized boundary conditions to an otherwise wide-ranging groundwater system.

A local map of the wellsite is shown below in Figure 9, along with local groundwater elevations. The local “three-point” calculation indicates a northwesterly gradient.

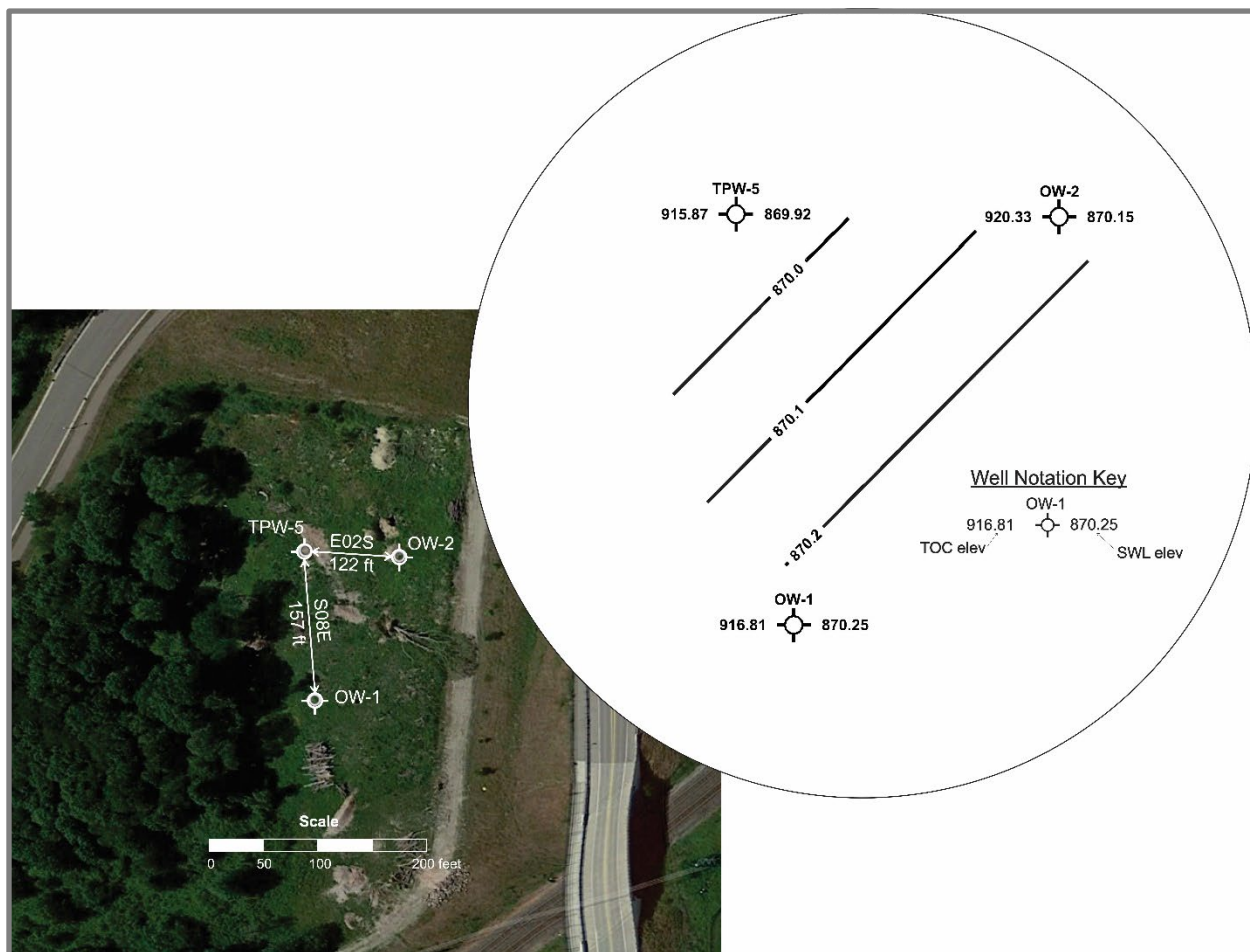


Figure 4. Site Map of the Test-Production Well No. 5 Wellsite and Aquifer Testing Layout

To better understand the regional groundwater flow patterns in this area, water level elevations from the Michigan GIS database (Wellogig data) were mapped over a 45 square mile region using wells completed in both the glacial drift and the bedrock (most of the drift wells lie along the Thornapple River). The data were visually inspected and obvious data inconsistencies were removed (for example where water level elevations were exceptionally high or low when compared to neighboring data points). The groundwater elevations were interpolated onto a regular grid of 200-foot cells using an ordinary kriging algorithm. The resultant grid was further refined by using a sliding averaging gate filter to remove “noise” in the data and smooth the contours. The resulting regional groundwater elevation contour map is shown below in Figure 5.

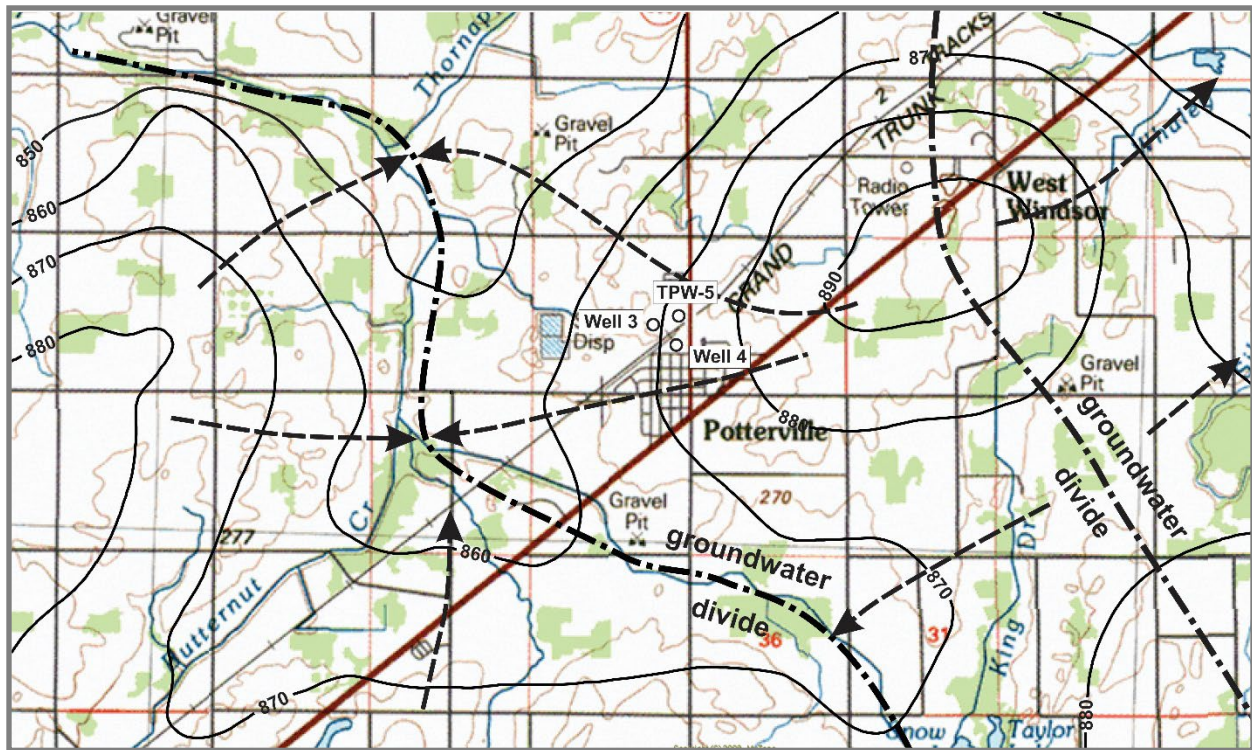


Figure 5. Bedrock Aquifer Water Level Elevations in Northern Eaton County (based on Michigan Geographic Data Library – Wellogig Database)

Examination of Figure 5 reveals that groundwater flow in the region surrounding the city is controlled by the hydraulic strength of the Thornapple River. The general groundwater flow direction at the test-production wellsite is west-northwest which can be confirmed by the local three-point gradient calculation as shown in Figure 4. In addition, Figure 5 confirms the groundwater divide between the Thornapple River and Grand River Basins, which is reasonably consistent with the surface basinal divide as mapped and shown in Figure Nos. 2 and 3. Based on this mapping, the area of concern is east and northeast of the city wellsites. Land use in the region east of the city is primarily agricultural and low density residential.

Summary of Well Construction

For the purpose of aquifer testing, two new observation wells were constructed to record aquifer behavior during pumping testing. The construction summary of Test-Production Well No. 5, and the two observation wells are as follows (Well logs are attached to this report for reference):

Test-Production Well No. 5 (Wellogic ID 23000012883) has the following characteristics:

1. Test-Production Well No. 5 has a total depth of 200 feet.
2. The upper borehole is 20-inches in diameter from the surface to the depth of 86 feet.
3. The casing diameter is 12-inch steel casing and was cemented using neat cement from 86 feet to the surface using the tremie method of grout placement.
4. The open borehole interval is 11.75-inch diameter and is open to the bedrock (Saginaw Formation) between 86 and 200 feet.
5. The static water level in the well is about 46 feet below the present top of casing (the casing was approximately three feet above grade).

Observation Well No. 1, OW-1 (Wellogic ID 23000012506) is located 157 feet south of Test-Production Well No. 5, has the following general characteristics:

1. Drilled to a total depth of 200 feet.
2. Casing diameter is 5-inch SDR-21 PVC casing set at a depth of about 88 feet inside a 8.75-inch borehole. The annular space between the casing and borehole was grouted with neat cement.
3. The open borehole interval is 4.50-inch diameter and is open to the bedrock (Saginaw Formation) between 88 and 200 feet.
4. The static water level in the well is about 46 feet below the top of casing (the casing is approximately 2.5 feet above grade).

Observation Well No. 2, OW-2 (Wellogic ID 23000012515) is located 122 feet east of Test-Production Well No. 5, and has the following general characteristics:

1. Drilled to a total depth of 200 feet.
2. Casing diameter is 5-inch SDR-21 PVC casing set at a depth of about 77 feet inside a 8.75-inch borehole. The annular space between the casing and borehole was grouted with neat cement.
3. The open borehole interval is 4.50-inch diameter and is open to the bedrock (Saginaw Formation) between 77 and 200 feet.
4. The static water level in the well is about 50 feet below the top of casing (the casing is approximately 2.5 feet above grade).

Hien Dang, District Engineer

January 30, 2023

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The associated State Plane coordinates and top of casing elevations for each well are as follows:

Well No.	local xcoord	local ycoord	state plane coords		geographic coords		TOC elev	WL (TOC)	WL Elev
			xcoord	ycoord	latitude	longitude			
TPW-5	0	0	13022856	413225	42.633294	84.740071	915.87	45.95	869.92
OW-1	22	-155	13022878	413070	42.632869	84.739987	916.81	46.56	870.25
OW-2	122	-1	13022978	413224	42.633293	84.739618	920.33	50.18	870.15

Aquifer Testing

Approximately nine (9) days before the pumping testing started, water levels were monitored at the wellsite in OW-1 to record background trends in the aquifer (see Figure 6). The aquifer test was performed using Test-Production Well No. 5 with a pumping rate set at 460 gpm (61.5 ft³/min) for a period of 24 hours, followed by a recovery period of 72 hours. Drawdown and recovery data were monitored in the pumping well, and the adjacent observation wells; OW-1, and OW-2 using pressure transducers and data-logging instruments.

Pre-Test Background Water Levels. Fluctuations in water levels can be seen during the nine day “pre-test” background water level monitoring – all of the fluctuations are due to the simultaneous operation of the existing city Well Nos. 3 and 4 (see Figure 6). At this time of the year both wells typically pump together for roughly 200 minutes, followed by a 12-to-16-hour rest period before cycling again. This pumping schedule causes about four feet of drawdown at the new wellsite.

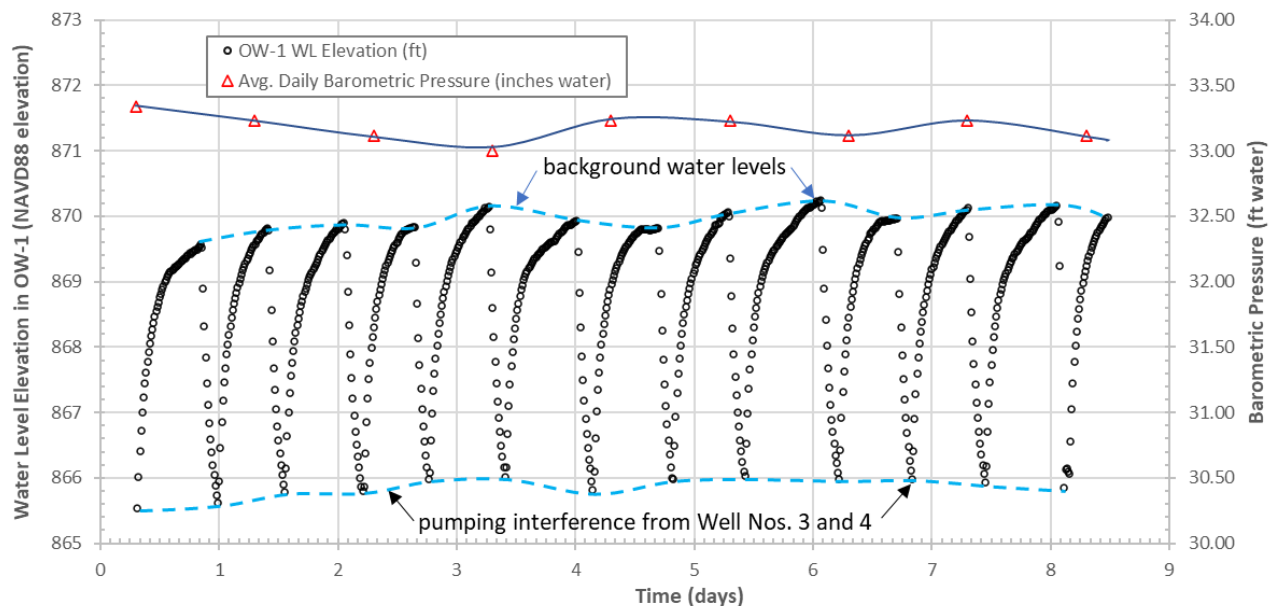


Figure 6. Background Groundwater Levels and Barometric Effects

Over the background monitoring period the atmospheric pressure fluctuated only slightly (about 0.34 ft H₂O), yet a subsequent change in groundwater elevation over this period can be detected – this assumes the rest period between pumping cycles was long enough for the aquifer to reach static conditions. Thus, an inverse relationship may exist between

changes in barometric pressure and aquifer water levels, however, the data was not corrected for barometric effects. Indeed, the atmospheric pressure was relatively steady throughout the entire aquifer test which was the basis for ignoring barometric efficiency corrections.

Drawdown Period. Several hours prior to aquifer testing the water tower was filled to its highest level to prevent the City Well Nos. 3 and 4 from operating as long as possible – the aquifer test ran without interference from the city production wells for the first 420 minutes of the test before the tower reached its lowest operating point and re-activated the wells. The drawdown data was clearly influenced by the operation of the production wells during the time period between 420 and 590 minutes, but the overall test duration was long enough for aquifer water levels to resume their “pre-disturbance” drawdown trends.

Recovery Period. The city production wells resumed their normal production schedule approximately 100 minutes after the start of the recovery period, which affected most of the recovery data and limiting its use for this analysis.

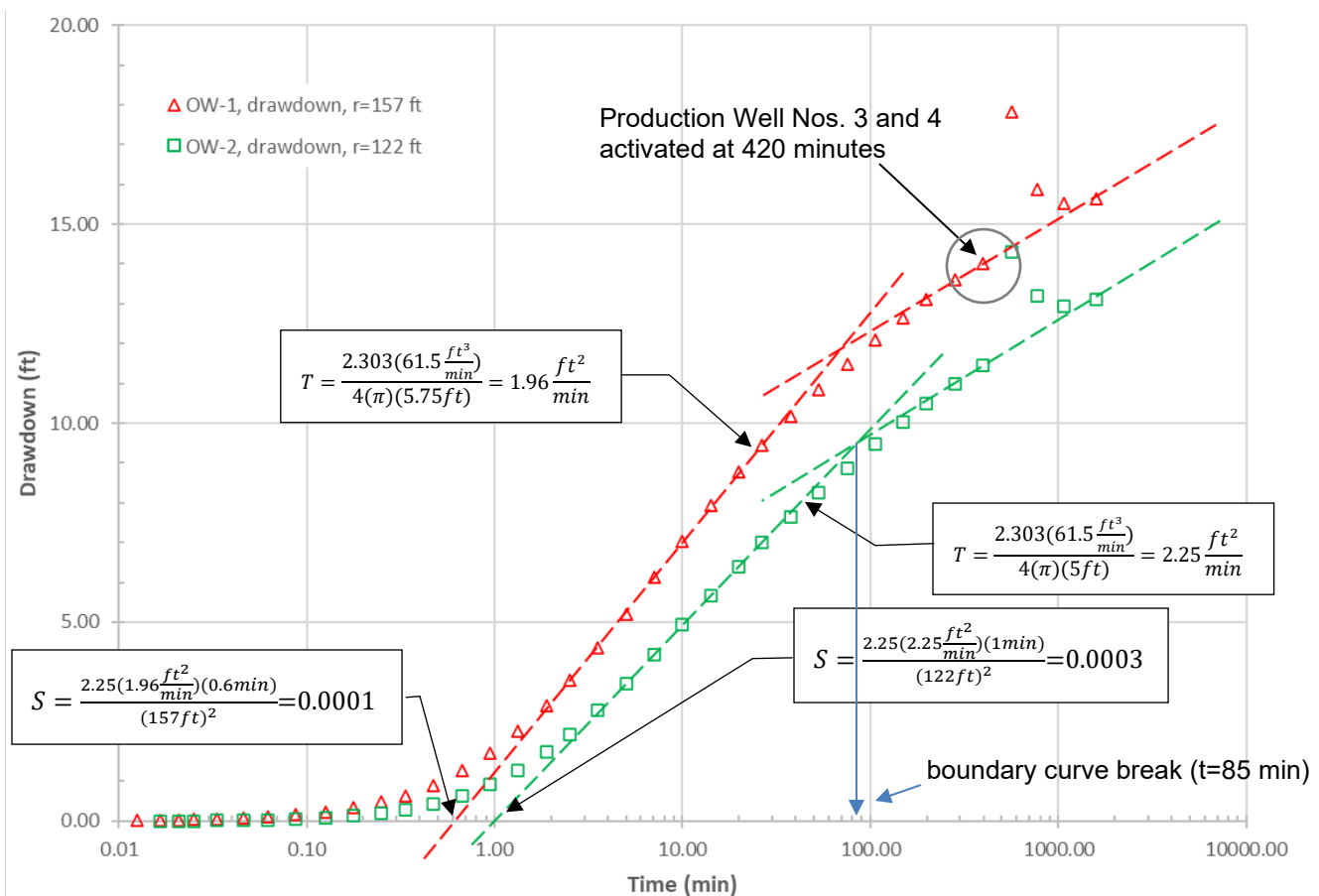


Figure 7. Observation Well Drawdown Data, Test-Production Well No. 5, Q=460 gpm (61.5 ft³/min)

Examination of the plot in Figure 7 reveals a “recharge-type” curve break near 70 minutes, which could be associated with drawdowns reaching the Thornapple River drainageway. The basis of this assumption is supported by the widespread propagation of drawdowns due to the low storage of the aquifer and, the proximity of the wellsite to the Thornapple River drainageway and its associated post-glacial alluvial deposits (see again Figure 3).

Additionally, there was a noticeable difference in drawdown behavior between the two observation wells; OW-1 is the farthest observation well from the pumping well yet had the greatest amount of drawdown - this horizontal anisotropy is not uncommon in fractured bedrock aquifers. All drawdown and recovery trends track reasonably in a reversible manner, and at the end of the recovery period (at 24 hours), all wells had returned to their pre-pumping static water levels. Regardless of attempts to limit the operation of the existing City wells, the city wells cycled nevertheless and their influence can be seen at late times in the drawdown phase of the pumping testing.

The drawdown data are plotted as semi-log plots in Figure No. 7, and the straight-line method of analysis (after Cooper and Jacob, 1946³) was applied to the early data for both observation wells to derive the early bulk aquifer parameters before boundary effects change the log-linear slope. The transmissivity (T) between 1.96 – 2.25 ft²/min is on the upper range for the Saginaw Formation, and the storage coefficient (S) of 0.0001 – 0.0003 indicates to some degree the confinement of the aquifer in this area. The resulting bulk horizontal hydraulic conductivity (K), therefore, for the 115-foot-thick formation is about 25 ft/day⁴ if it were assumed the aquifer has uniform hydraulic properties along its thickness – this, however is not the case. During drilling we observed significant fracturing just below 170 feet accompanied by an noticeable increase in air-lifted production – a large percentage of production appears to be derived from this fracture set.

The simplest hydrogeologic model for this site consists of a slab bedrock aquifer (the Saginaw Formation) that is bounded above and below by shales or clayey soils. The overall bedrock aquifer thickness in this area is 115 feet and has both primary and secondary permeability which both contribute to its overall production capability. In this analysis, the bedrock is assumed to behave as an equivalent porous media and therefore, no attempt was made to differentiate between the hydraulic characteristics of the primary (matrix) or secondary (fracture) bedrock features. With this method of analysis, the hydraulic behavior that is influenced by localized fracturing or jointing in the bedrock can generally be ignored at late times and at larger distances from the pumping well. The local bedrock aquifer thickness is constant over the domain of the wellsite, and holds this characteristic toward the south and southwest at the two existing Production Well Nos. 3 and 4. The close proximity of the Thornapple River and its associated post-glacial alluvial deposits west and southwest of the wellsite appear to act as a “recharge-type” boundary which influences drawdowns at longer pumping times. This recharging boundary condition can be simulated using a single recharging image well placed in a manner to roughly correspond with the Thornapple River drainageway west of the wellsite - this is

³ Cooper, H.H., and C.E. Jacob, 1946, A generalized Graphic Method for Evaluating Formation Constants and Summarizing Well-Field History, Transactions of American Geophysical Union, Vol 27, No.4

⁴ Where $K(\text{ft}/\text{day}) = T(\text{ft}^2/\text{day}) / b(\text{ft})$, and, $K(\text{ft}/\text{day}) = 2822(\text{ft}^2/\text{day}) / 115(\text{ft}) \approx 25 (\text{ft}/\text{day})$

Hien Dang, District Engineer

January 30, 2023

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an exceptional simplification to the far more complex recharge boundary conditions that exists in this area.

The analytical model after Theis, 1935⁵ (confined analysis) was used for this analysis. The distance to the image well (r_i) was estimated using the “law of times” (Ingersoll et al, 1948)⁶, with time variables taken from the log-linear curve breaks as shown in Figure 8. The two times are chosen where Δs_r equals Δs_i both arbitrarily set to three feet. The resulting calculated distance from the image well (r_i) to the observation well (r_r) is between about 3000 and 3400 feet (3400 feet provides the best match), and accordingly, the distance to the recharge boundary is half this distance or about 1700 feet.

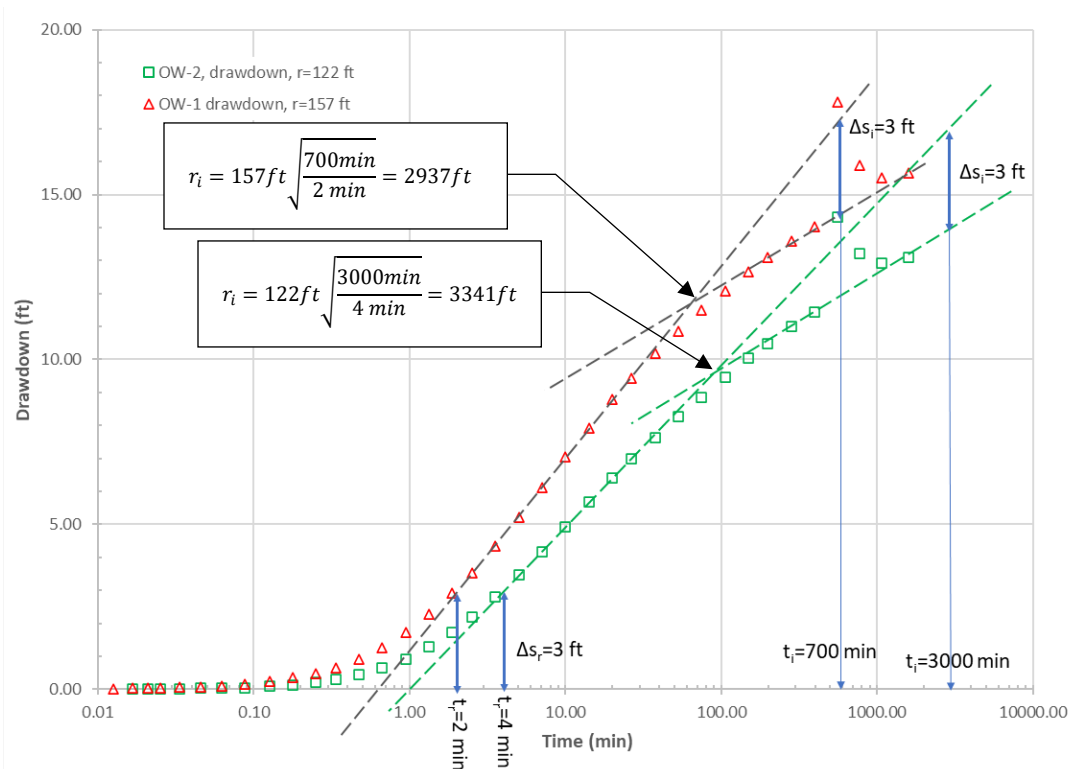


Figure 8. Distance to Recharging Image Well Analysis

⁵ Theis, C.V., 1935, The Relation Between the Lowering of the Piezometric Surface and the Rate and Duration of Discharge of a Well Using Groundwater Storage, Transactions, American Geophysical Union, Vol 16, pp 519-524

⁶ Ingersoll, L. R., 1948, Heat Conduction with Engineering and Geological Applications, McGraw-Hill Book Company, New York

If two times are chosen where Δs_r equals Δs_i , then u_r will equal u_i . From the definition of u :

$$\frac{r_r^2 S}{4Tt_r} = \frac{r_i^2 S}{4Tt_i}, \quad \text{simplifies to} \quad \frac{r_r^2}{t_r} = \frac{r_i^2}{t_i}, \quad \text{and,} \quad r_i = r_r \sqrt{\frac{t_i}{t_r}}$$

Where; t =total pumping time which produces drawdown Δs_r (arbitrarily set as 3 feet in Figure 8)

t_i =total pumping time which produces drawdown Δs_i (arbitrarily set as 3 feet in Figure 8)

r_r =distance from the pumping to the observation well

r_i =distance from the image well to the observation well

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January 30, 2023
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The addition of an image well placed about 3400 feet from the test-production well provides a convincing curve match for OW-1 yielding transmissivity (T) of 1.98 ft²/min) and the storage coefficient (S) of 0.0001 as in Figure 9. The apparent pumping well efficiency for this analysis, however, is 105 percent which is not realistic.

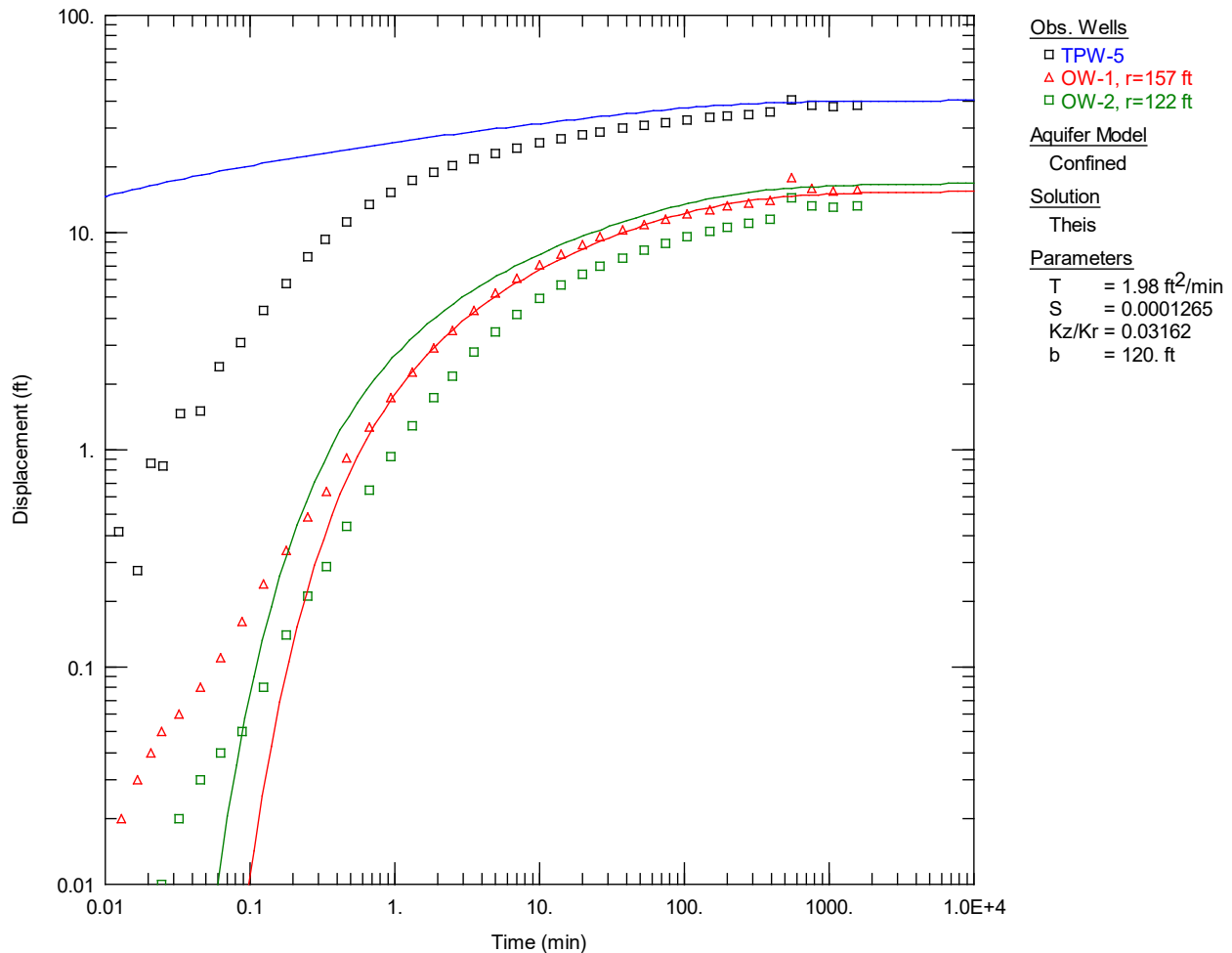


Figure 8 Confined Aquifer Solution on OW-1 with One Image Well at $r_i=3500$ ft (after Theis, C.V., 1935). $Q=460$ gpm (61.5 ft³/min)

The same analysis was performed on the data from OW-2 yielding an equally convincing curve match with a slightly higher transmissivity ($T=2.36$ ft²/min) and a higher storage coefficient ($S=0.0003$). These values tend to under predict the pumping well drawdowns as would normally be expected yielding an apparent pumping well efficiency of about 84%⁷ as in Figure 9.

⁷ the actual drawdown at TPW-5 was 38 feet, and the theoretical drawdown was 32 feet (this value taken directly from the plot in Figure 9). Apparent Efficiency = (observed drawdown) / (theoretical drawdown), Apparent efficiency = (32 feet) / (38 feet) = 0.84

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January 30, 2023

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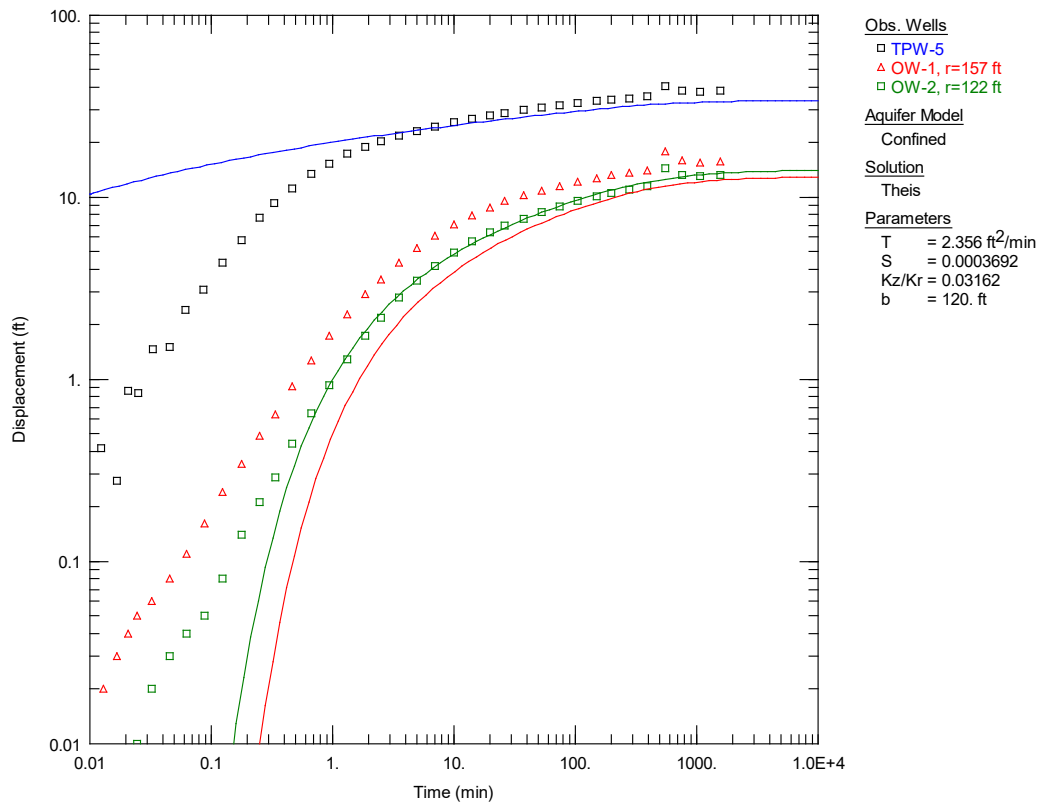


Figure 9 Confined Aquifer Solution on OW-2 with One Image Well at $r_i=3500$ ft (after Theis, C.V., 1935). $Q=460$ gpm ($61.5 \text{ ft}^3/\text{min}$)

Based on these analyses, either predictor set from the curve match analyses are reasonable; the equivalent porous media transmissivity (T) of the bedrock aquifer, therefore, is between $1.98 - 2.35 \text{ ft}^2/\text{min}$, and the storage coefficient (S) is between 0.0001 and 0.0003 . The higher transmissivity and storage values tend to underpredict the pumping well drawdowns, which should be an expected result given that no pumping well is perfectly efficient. For this reason, the results from the OW-2 analyses will be used going forward.

The plot of drawdowns in the test production well along with the extrapolated 100-day drawdown is shown below in Figure 10.

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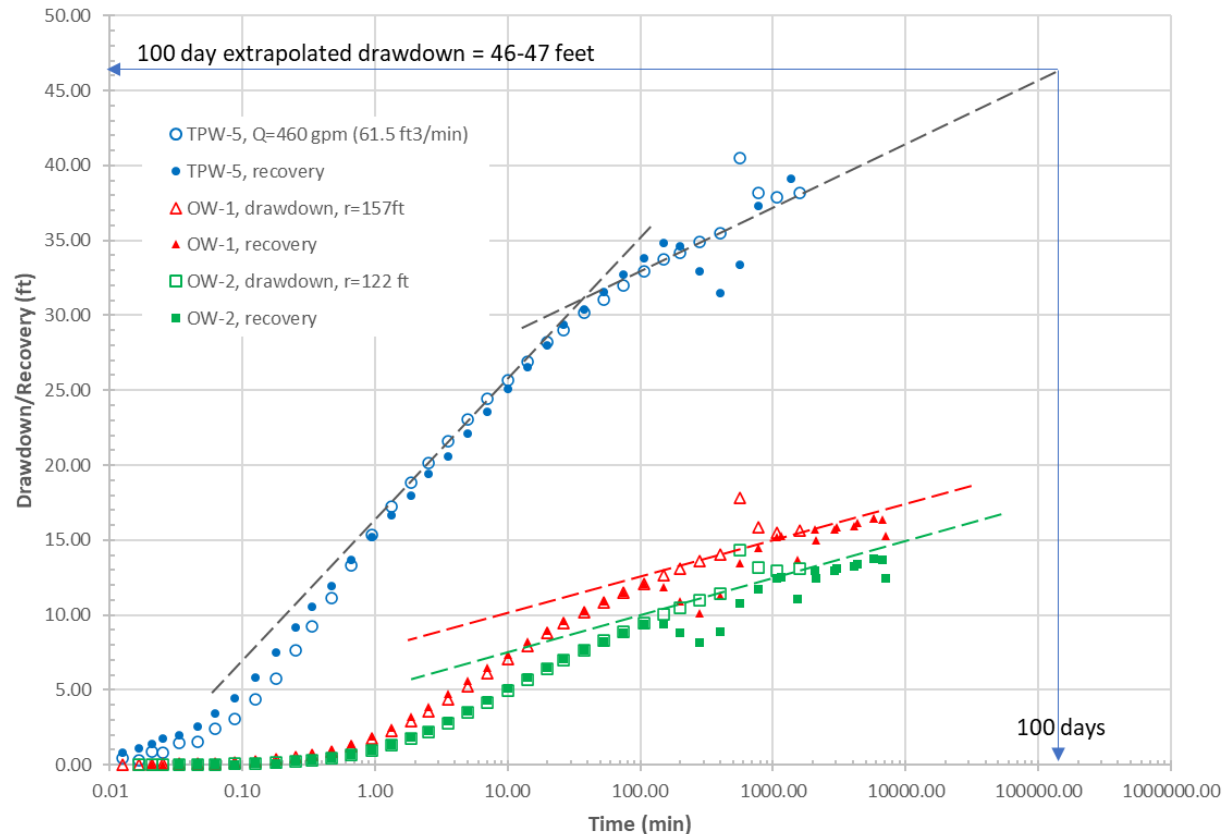


Figure 10 Drawdowns at Test Production Well No. 5, Q=460 gpm (61.5 ft³/min)

In Figure 10 the observed drawdowns in the pumping well are extrapolated to 144,000 minutes (100 days) and yield the graphically derived 100-day drawdown of about 47 feet at 460 gpm of continuous withdrawal – this corresponds to a pumping water level of about 92 feet below the present top of casing. Using the derived aquifer parameters from OW-2 to check their validity against the extrapolated 100-day drawdowns in Figure 10 yield the following; with distance (r) 1ft, pumping rate (Q) 61.5 ft³/min, transmissivity (T) 2.35 ft²/min, storage coefficient (S) 0.0003, and time (t) 100 days, the calculated drawdown (Δs) is about 43 feet⁸ which slightly underpredicts the extrapolated 100-day drawdown in Figure 10 (using an 84% efficient pumping well). At the rate of 460 gpm, the *calculated* 100-day pumping water level in Test-Production Well No. 5 will be about 88 feet below

$$^8 u_r = \frac{(1ft)^2(0.0003)}{4\left(2.35\frac{ft^2}{min}\right)(144000min)} = 2.2e - 10, \text{ then, } w(u)_r=21.7, u_i = \frac{(3400ft)^2(0.0003)}{4\left(2.35\frac{ft^2}{min}\right)(144000min)} = 0.003, \text{ then, } w(u)_i=5.4$$

$$\text{so, } \Delta s = \frac{61.5\frac{ft^3}{min}}{4\pi\left(2.35\frac{ft^2}{min}\right)}\left(\frac{21.7}{0.84} - 5.4\right) \cong 43 \text{ feet}$$

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the top of the casing (assuming the static water level is 45 feet), versus the graphically extrapolated 100-day pumping water level of 92 feet below the present top of casing - the two results are reasonably close.

The best practice for bedrock wells, however, is to establish the capacity of the well such that the pumping water levels remain above the bottom of the casing after 100 days of continuous pumping. We calculated this design rate by iteratively adjusting the pumping rate downward until the 100-day pumping water level remained ten feet above the bottom of the casing - the nominal pumping rate of 350 gpm satisfies this condition. The resulting *calculated* drawdown at 350 gpm after 100 days is about 33 feet⁹, corresponding to a pumping water level of about 78 feet or ten feet above the bottom of the casing. This will allow the pump to be placed five feet above the bottom of the casing, and allow an additional five feet of available drawdown above the pump intake. **Test-Production Well No. 5, therefore, can be appropriately rated at 350 gpm without exceeding the available drawdown in the well.**

Groundwater Quality

At the end of the pumping testing, groundwater samples were collected and analyzed for aesthetic and regulated parameters; VOC's, SOC's (herbicides/pesticides), metals, aesthetic parameters (cations/anions and minerals), nitrate, nitrite, radionuclides, and PFAS compounds. The results of the water quality analyses are attached to this report, and the following table shows the groundwater quality parameters in comparison with Well Nos. 3 and 4.

Parameter	TPW-5 (November 2022)	Well No. 3 (May 2021)	Well No. 4 (June 2021)	Units	MCL
* Arsenic	0.00841	NA	NA	mg/L	0.010 mg/L
Chloride	36.5	91	113	mg/L	objectionable over 250 mg/L
Nitrate/Nitrite	ND	NA	NA	mg/L	0.010 mg/L
Calcium	91.1	130	140	mg/L	
Manganese	0.0252	NA	NA	mg/L	objectionable over 0.050 mg/L
Hardness	395	502	539	mg/L	objectionable over 250 mg/L
Iron	0.798	treated 0.2	treated ND	mg/L	nuisance above 0.5
Sodium	14.7	33	43	mg/L	objectionable over 160 mg/L
Sulfate	66.4	97	72	mg/L	objectionable over 250 mg/L
Alkalinity	352	NA	NA	mg/L	
Specific Conductivity	746	NA	NA	µmhos/cm	
* PFAS Compounds	All non-detect	All non-detect	All non-detect	ng/L	varies by parameter
* VOC	All non-detect	All non-detect	All non-detect	µg/L	varies by parameter
* SOC	All non-detect	All non-detect	All non-detect	µg/L	varies by parameter
* Gross Alpha	3.64	NA	NA	pCi/L	15 pCi/L
* Radium 226/228	2.89	NA	NA	pCi/L	5 pCi/L

* regulated parameters

NA - not available

ND - not detected

⁹ $w(u)_r = 21.7$, $w(u)_i = 5.2$, $\Delta s = \frac{46.8 \frac{ft^3}{min}}{4\pi \left(2.35 \frac{ft^2}{min}\right)} \left(\frac{21.7}{0.84} - 5.2\right) \cong 33 \text{ feet}$

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January 30, 2023
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Corrosion Indices of the Groundwater. The corrosion indices were calculated from the groundwater samples using the chloride to sulfate mass ratio (CSMR) as follows;

CSMR is an index that determines the likeliness to promote galvanic corrosion of lead in piping. The calculation is the simple ratio of the chloride to sulfate concentrations. Generally, if this index falls between 0 and 0.5 it indicates low galvanic corrosion potential. If the index falls between 0.5 and 2.0 it indicates that the water promotes galvanic corrosion of lead in piping. The CSMR calculation is as follows;

$(CSMR) = [Cl] / [SO_4] \text{ mg/L}$, $CSMR = [36.5 \text{ mg/L}] / [66.4 \text{ mg/L}] = 0.55$ which is modestly at the threshold and therefore, galvanic corrosion of lead is not likely.

Conclusions

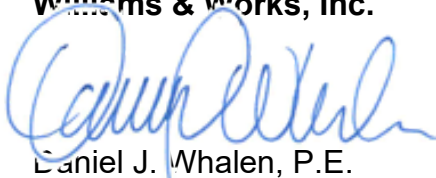
The local bedrock aquifer in the area of the City of Pottersville is the Saginaw Formation near the upper reaches of the Thornapple River Basin. Groundwater flow directions in this area are controlled by the Thornapple River which generally flows toward the west-northwest. The results of drilling and test pumping at the Test-Production Well No. 5 wellsite reveals that the local aquifer has a moderate transmissivity, low storage, and is hydraulically distal to the Thornapple River which may act as a complex recharging boundary to locally pumping wells. Drawdowns and recovery are generally reversible, however at minimum, pumping durations should always be followed by equal or greater recovery periods. The results of the pumping testing show that the new Test-Production Well No. 5 can be conservatively rated at 350 gpm while maintaining additional available drawdown in the well.

The laboratory analyses of the groundwater reveal generally suitable water quality characteristics with the exception of aesthetically nuisance levels of iron and manganese – the eventual water treatment plant process, however, will remove these parameters. The new production well will favorably improve the firm capacity of the City of Pottersville water system.

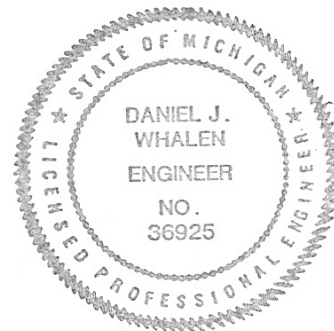
if you have any questions regarding the above discussion, please call me.

Sincerely,

Williams & Works, Inc.



Daniel J. Whalen, P.E.



Attachments: Attachment A - Well Construction Logs
Attachment B - Aquifer Testing Data
Attachment C - Groundwater Quality (December 2022)

Cc (email) Aaron Sheridan, City of Pottersville
Don Stanley, City of Pottersville
Brandon Mieras, Williams & Works

Attachment A Well Construction Logs**TPW-5 Wellogig ID 23000012883****OW-1 Wellogig ID 23000012506****OW-2 Wellogig ID 23000012515**



Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

Tax No:	Permit No:	County: Eaton	Township: Benton			
Well ID: 23000012883 Elevation: Latitude: 42.633053 Longitude: -84.740287 Method of Collection: GPS Precise Positioning Service		Town/Range: 03N 04W	Section: 23	Well Status: Active	WSSN: 5550	Source ID/Well No: 005
		Distance and Direction from Road Intersection: 300 FT WEST OF HARTEL RD (M-100) & 200 FT SOUTH OF SUNSET DR				
		Well Owner: CITY OF POTTERVILLE				
		Well Address: SUNSET DR POTTERVILLE, MI 48876		Owner Address: 319 N NELSON ST POTTERVILLE, MI 48876		

Drilling Method: Rotary Well Depth: 200.00 ft. Well Type: New Casing Type: Steel - black Casing Joint: Welded Casing Fitting: Centralizer Diameter: 12.00 in. to 86.00 ft. depth Borehole: 20.00 in. to 86.00 ft. depth 11.75 in. to 200.00 ft. depth		Well Use: Type I public Date Completed: 9/27/2022 Height: 2.00 ft. above grade		Pump Installed: No Pressure Tank Installed: No Pressure Relief Valve Installed: No																																											
Static Water Level: 45.00 ft. Below Grade Well Yield Test: Pumping level 84.00 ft. after 24.00 hrs. at 460 GPM		Yield Test Method: Test pump		<table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Topsoil</td><td>2.00</td><td>2.00</td></tr> <tr><td>Brown Clay & Stones</td><td>25.00</td><td>27.00</td></tr> <tr><td>Red Clay & Gravel</td><td>25.00</td><td>52.00</td></tr> <tr><td>Gray Clay & Gravel</td><td>18.00</td><td>70.00</td></tr> <tr><td>Sandstone & Shale</td><td>9.00</td><td>79.00</td></tr> <tr><td>Shale</td><td>5.00</td><td>84.00</td></tr> <tr><td>Sandstone</td><td>89.00</td><td>173.00</td></tr> <tr><td>Sandstone Fractured</td><td>5.00</td><td>178.00</td></tr> <tr><td>Sandstone</td><td>21.00</td><td>199.00</td></tr> <tr><td>Shale</td><td>1.00</td><td>200.00</td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td></tr> </tbody> </table>		Formation Description	Thickness	Depth to Bottom	Topsoil	2.00	2.00	Brown Clay & Stones	25.00	27.00	Red Clay & Gravel	25.00	52.00	Gray Clay & Gravel	18.00	70.00	Sandstone & Shale	9.00	79.00	Shale	5.00	84.00	Sandstone	89.00	173.00	Sandstone Fractured	5.00	178.00	Sandstone	21.00	199.00	Shale	1.00	200.00									
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Shale	1.00	200.00																																													
Screen Installed: No Intake: Bedrock Well		Geology Remarks:																																													
Well Grouted: Yes Grouting Material: Neat cement Grouting Method: Grout pipe outside casing Bags: 110.00 Additives: None Depth: 0.00 ft. to 86.00 ft.		Drilling Machine Operator Name: JAKE WARNER Employment: Employee																																													
Wellhead Completion: 12 inches above grade		Contractor Type: Water Well Drilling Contractor Business Name: Raymer Company Inc Business Address: 1357 Comstock St, Marne, MI, 49435																																													
Nearest Source of Possible Contamination: Type: None Distance: Direction:		Reg No: 70-2055 Water Well Contractor's Certification This well and/or pump installation was performed under my registration.																																													
General Remarks: ENGINEERING BY: WILLIAMS & WORKS, INC. DAN WHALEN, PE		Signature of Registered Contractor																																													
Other Remarks:		Date																																													



Water Well And Pump Record

Completion is required under authority of Part 127 Act 368 PA 1978.



Import ID:

Failure to comply is a misdemeanor.

Tax No:	Permit No:	County: Eaton		Township: Benton	
Well ID: 23000012506 Elevation: Latitude: 42.63293 Longitude: -84.74004 Method of Collection: GPS Std Positioning Svc SA Off		Town/Range: 03N 04W	Section: 23	Well Status: Active	WSSN: 5550
		Source ID/Well No: TW-01-2020			
		Distance and Direction from Road Intersection: 225 FT. WEST OF N. HARTEL RD. (M-100) & 225 FT. SOUTH OF SUNSET DR.			
OW-1 Well Owner: CITY OF POTTERVILLE		Well Address:			
		SUNSET DR. POTTERVILLE, MI 48876		Owner Address: 319 N. NELSON ST. POTTERVILLE, MI 48876	

Drilling Method: Rotary Well Depth: 200.00 ft. Well Type: New Casing Type: PVC plastic Casing Joint: Solvent welded/glued Casing Fitting: Shale packer/trap, Rotary shoe, Centralizer Diameter: 5.00 in. to 88.00 ft. depth SDR: 21.00 Borehole: 8.75 in. to 88.00 ft. depth 4.50 in. to 200.00 ft. depth		Pump Installed: No Pressure Tank Installed: No Pressure Relief Valve Installed: No																																														
Well Use: Test well Date Completed: 2/28/2020 Static Water Level: 43.00 ft. Below Grade Well Yield Test: Pumping level 52.00 ft. after 4.00 hrs. at 105 GPM Yield Test Method: Test pump		<table border="1"> <thead> <tr> <th>Formation Description</th> <th>Thickness</th> <th>Depth to Bottom</th> </tr> </thead> <tbody> <tr><td>Topsoil</td><td>1.00</td><td>1.00</td></tr> <tr><td>Brown Clay & Stones</td><td>14.00</td><td>15.00</td></tr> <tr><td>Brown Clay & Stones Sandy</td><td>5.00</td><td>20.00</td></tr> <tr><td>Brown Clay & Stones</td><td>12.00</td><td>32.00</td></tr> <tr><td>Red Clay & Stones</td><td>3.00</td><td>35.00</td></tr> <tr><td>Gray Clay</td><td>2.00</td><td>37.00</td></tr> <tr><td>Conglomerate W/Limestone</td><td>1.00</td><td>38.00</td></tr> <tr><td>Gray Clay & Stones</td><td>7.00</td><td>45.00</td></tr> <tr><td>Gray Clay W/Sandstone</td><td>24.00</td><td>69.00</td></tr> <tr><td>Sand & Gravel</td><td>5.00</td><td>74.00</td></tr> <tr><td>Gray Sandstone W/Clay</td><td>6.00</td><td>80.00</td></tr> <tr><td>Blue Sandstone White</td><td>65.00</td><td>145.00</td></tr> <tr><td>White Sandstone</td><td>47.00</td><td>192.00</td></tr> <tr><td>Gray Shale</td><td>8.00</td><td>200.00</td></tr> </tbody> </table>		Formation Description	Thickness	Depth to Bottom	Topsoil	1.00	1.00	Brown Clay & Stones	14.00	15.00	Brown Clay & Stones Sandy	5.00	20.00	Brown Clay & Stones	12.00	32.00	Red Clay & Stones	3.00	35.00	Gray Clay	2.00	37.00	Conglomerate W/Limestone	1.00	38.00	Gray Clay & Stones	7.00	45.00	Gray Clay W/Sandstone	24.00	69.00	Sand & Gravel	5.00	74.00	Gray Sandstone W/Clay	6.00	80.00	Blue Sandstone White	65.00	145.00	White Sandstone	47.00	192.00	Gray Shale	8.00	200.00
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Screen Installed: No Intake: Bedrock Well		Geology Remarks:																																														
Well Grouted: Yes Grouting Material: Neat cement Grouting Method: Grout pipe outside casing Bags: 25.00 Additives: None Depth: 0.00 ft. to 88.00 ft.		Drilling Machine Operator Name: B. LARSEN Employment: Employee																																														
Wellhead Completion: 12 inches above grade		Contractor Type: Water Well Drilling Contractor Business Name: Raymer Company Inc Business Address: 1357 Comstock St, Marne, MI, 49435																																														
Nearest Source of Possible Contamination: Type: None Distance: Direction:		Reg No: 70-2055 Water Well Contractor's Certification This well and/or pump installation was performed under my registration.																																														
General Remarks: Other Remarks:		Signature of Registered Contractor Date																																														

Import ID:

Failure to comply is a misdemeanor.

Tax No:	Permit No:	County: Eaton	Township: Benton			
Well ID: 23000012515 Elevation: Latitude: 42.63328 Longitude: -84.73976 Method of Collection: Interpolation-Map OW-2		Town/Range: 03N 04W	Section: 23	Well Status: Active	WSSN: 5550	Source ID/Well No: TW-02-2020
		Distance and Direction from Road Intersection: 100 FT. WEST OF N. HARTEL RD. (M-100 HWY.) & 400 FT. SOUTH OF SUNSET DR.				
		Well Owner: CITY OF POTTERVILLE				
		Well Address: SUNSET DR. POTTERVILLE, MI 48876			Owner Address: 319 N. NELSON ST. POTTERVILLE, MI 48876	

Drilling Method: Rotary Well Depth: 200.00 ft. Well Type: New	Well Use: Test well Date Completed: 5/15/2020	Pump Installed: No Pressure Tank Installed: No Pressure Relief Valve Installed: No
Casing Type: PVC plastic Casing Joint: Solvent welded/glued Casing Fitting: Shale packer/trap, Rotary shoe, Centralizer Diameter: 5.00 in. to 77.00 ft. depth SDR: 21.00 Borehole: 8.75 in. to 77.00 ft. depth 4.50 in. to 200.00 ft. depth		

Static Water Level: 46.00 ft. Below Grade Well Yield Test: Yield Test Method: Test pump Pumping level 55.00 ft. after 2.00 hrs. at 110 GPM	Formation Description	Thickness	Depth to Bottom
	Topsoil	1.00	1.00
	Brown Clay & Stones	27.00	28.00
	Boulders	2.00	30.00
Screen Installed: No Intake: Bedrock Well	Brown Gravel Sand Clay	5.00	35.00
	Gray Clay Red	5.00	40.00
	Gray Clay & Gravel W/Sandstone	28.00	68.00
	Sandstone & Shale	10.00	78.00
	Gray Shale	1.00	79.00
	Blue Sandstone	56.00	135.00
	Gray Shale	2.00	137.00
	White Sandstone	61.00	198.00
	Gray Shale	2.00	200.00

Well Grouted: Yes Grouting Method: Grout pipe outside casing				Geology Remarks:
Grouting Material	Bags	Additives	Depth	
Neat cement	20.00	None	0.00 ft. to 77.00 ft.	

Wellhead Completion: 12 inches above grade	
---	--

			Drilling Machine Operator Name:	B. LARSEN
Nearest Source of Possible Contamination:			Employment:	Employee
Type	Distance	Direction		
None				
			Contractor Type:	Water Well Drilling Contractor Reg No: 70-2055

	Business Name: Raymer Company Inc
	Business Address: 1357 Comstock St, Marne, MI, 49435
	Water Well Contractor's Certification This well and/or pump installation was performed under my registration. Signature of Registered Contractor Date

General Remarks:	
------------------	--

Other Remarks:

Attachment B TPW-5 Aquifer Testing Data

City of Pottersville
Aquifer Test on TPW-5, Q=460 gpm (61.5 ft³/min)
December 2022

drawdown				recovery				
Q=460 gpm		r=122 ft	r=157 ft	Q=460 gpm				
Time (min)	TPW-5	OW-1	OW-2	Time (min)	TPW-5	Time (min)	OW-1	OW-2
0.013	0.42	0.02		0.008	0.78	0.008	0.01	0.00
0.017	0.28	0.03		0.013	1.09	0.013	0.01	0.01
0.021	0.86	0.04		0.017	1.36	0.017	0.02	0.01
0.025	0.84	0.05		0.021	1.72	0.021	0.02	0.00
0.033	1.45	0.06	0.02	0.025	1.95	0.025	0.03	0.01
0.046	1.50	0.08	0.03	0.033	2.59	0.033	0.04	0.01
0.063	2.39	0.11	0.04	0.046	3.42	0.046	0.06	0.02
0.088	3.09	0.16	0.05	0.063	4.44	0.063	0.09	0.03
0.126	4.37	0.24	0.08	0.088	5.82	0.088	0.13	0.04
0.178	5.79	0.34	0.14	0.126	7.48	0.126	0.20	0.07
0.251	7.64	0.49	0.21	0.178	9.16	0.178	0.31	0.11
0.335	9.27	0.64	0.29	0.251	10.55	0.251	0.47	0.19
0.473	11.11	0.91	0.44	0.335	11.93	0.335	0.66	0.28
0.668	13.34	1.26	0.65	0.473	13.66	0.473	0.97	0.44
0.944	15.32	1.72	0.93	0.668	15.21	0.668	1.39	0.68
1.33	17.26	2.27	1.29	0.944	16.63	0.944	1.90	0.96
1.88	18.87	2.92	1.74	1.33	18.00	1.33	2.51	1.35
2.51	20.11	3.54	2.18	1.88	19.42	1.88	3.22	1.80
3.55	21.58	4.35	2.79	2.51	20.59	2.51	3.88	2.28
5.01	23.05	5.22	3.47	3.55	22.10	3.55	4.71	2.90
7.08	24.45	6.12	4.17	5.01	23.57	5.01	5.58	3.59
10	25.65	7.04	4.93	7.08	25.12	7.08	6.47	4.32
14.1	26.91	7.93	5.67	10	26.58	10	7.35	5.07
19.9	28.20	8.78	6.40	14.1	28.00	14.1	8.19	5.79
26.6	29.00	9.45	6.99	19.9	29.40	19.9	8.98	6.49
37.6	30.17	10.18	7.63	26.6	30.40	26.6	9.59	7.04
53.1	31.03	10.85	8.26	37.6	31.59	37.6	10.28	7.66
75	32.03	11.49	8.86	53.1	32.75	53.1	10.91	8.25
106	32.92	12.08	9.46	75	33.78	75	11.51	8.82
150	33.77	12.66	10.04	106	34.82	106	12.05	9.38
199	34.18	13.11	10.49	150	34.64	150	11.83	9.41
282	34.87	13.60	10.99	199	32.96	199	10.91	8.77
398	35.52	14.03	11.45	282	31.49	282	10.14	8.18
561	40.52	17.82	14.30	398	33.41	398	11.28	8.91
771	38.20	15.88	13.20	561	37.31	561	13.46	10.79
1071	37.87	15.53	12.93	771	39.09	771	14.47	11.73
1581	38.15	15.66	13.11	1371	34.40	1071	15.20	12.44
						1161	15.28	12.55
						1521	13.65	11.06
						2121	15.02	12.43
						2061	15.72	12.97
						2931	15.72	12.98
						3021	15.82	13.08
						4101	15.95	13.22
						4311	16.13	13.40
						5721	16.42	13.72
						5751	16.45	13.74
						6681	16.34	13.66
						7101	15.24	12.45

Attachment C Groundwater Quality Analyses
TPW-5 December 2022

Analytical Report

(DW)

WO#: 2209M91

Date Reported: 12/8/2022

CLIENT:	Williams & Works	Collection Date	9/30/2022 9:30:00 AM
Project:	City of Pottersville Well No. 5	Received Date:	9/30/2022 11:10:00 AM
Lab ID:	2209M91-01	Matrix:	DRINKING WATER
Client Sample ID:	TPW-5	Sampled By:	Dan Whaley
Location:			

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
METALS, DRINKING WATER				EPA 200.7	Analyst: DV	
Iron	0.798	0.0400		mg/L		10/4/2022 12:00:00 PM
Sodium	14.7	2.00		mg/L		10/4/2022 12:00:00 PM
VOLATILE ORGANICS, DRINKING WATER				EPA 524.2	Analyst: JS	
1,1,1,2-Tetrachloroethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,1,1-Trichloroethane	< 0.000500	0.000500		mg/L	0.200	10/5/2022 6:22:00 AM
1,1,2,2-Tetrachloroethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,1,2-Trichloroethane	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
1,1-Dichloroethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,1-Dichloroethene	< 0.000500	0.000500		mg/L	0.0070	10/5/2022 6:22:00 AM
1,1-Dichloropropene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,2,3-Trichlorobenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,2,3-Trichloropropane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,2,4-Trichlorobenzene	< 0.000500	0.000500		mg/L	0.0700	10/5/2022 6:22:00 AM
1,2,4-Trimethylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,2-Dibromo-3-chloropropane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,2-Dibromoethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,2-Dichlorobenzene	< 0.000500	0.000500		mg/L	0.600	10/5/2022 6:22:00 AM
1,2-Dichloroethane	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
1,2-Dichloropropane	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
1,3,5-Trimethylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,3-Dichlorobenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,3-Dichloropropane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
1,4-Dichlorobenzene	< 0.000500	0.000500		mg/L	0.0750	10/5/2022 6:22:00 AM
2,2-Dichloropropane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
2-Butanone	< 0.00100	0.00100		mg/L		10/5/2022 6:22:00 AM
2-Chlorotoluene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
4-Chlorotoluene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
4-Isopropyltoluene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
4-Methyl-2-pentanone	< 0.00100	0.00100		mg/L		10/5/2022 6:22:00 AM
Benzene	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
Bromobenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Bromochloromethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM

Qualifiers:

<	Not Detected at the Reporting Limit
MCL	Maximum Contaminant Level
RL	Reporting Limit

H	Holding times for preparation or analysis exceeded
PL	Permit Limit
S	Spike Recovery outside accepted recovery limits

Original
Page 2 of 9

Analytical Report

(DW)

WO#: 2209M91

Date Reported: 12/8/2022

CLIENT:	Williams & Works	Collection Date	9/30/2022 9:30:00 AM
Project:	City of Pottersville Well No. 5	Received Date:	9/30/2022 11:10:00 AM
Lab ID:	2209M91-01	Matrix:	DRINKING WATER
Client Sample ID:	TPW-5	Sampled By:	Dan Whaley
Location:			

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
VOLATILE ORGANICS, DRINKING WATER				EPA 524.2	Analyst: JS	
Bromodichloromethane	< 0.000500	0.000500		mg/L	0.0800	10/5/2022 6:22:00 AM
Bromoform	< 0.000500	0.000500		mg/L	0.0800	10/5/2022 6:22:00 AM
Bromomethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Carbon tetrachloride	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
Chlorobenzene	< 0.000500	0.000500		mg/L	0.100	10/5/2022 6:22:00 AM
Chloroethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Chloroform	< 0.000500	0.000500		mg/L	0.0800	10/5/2022 6:22:00 AM
Chloromethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
cis-1,2-Dichloroethene	< 0.000500	0.000500		mg/L	0.0700	10/5/2022 6:22:00 AM
cis-1,3-Dichloropropene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Dibromochloromethane	< 0.000500	0.000500		mg/L	0.0800	10/5/2022 6:22:00 AM
Dibromomethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Dichlorodifluoromethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Ethylbenzene	< 0.000500	0.000500		mg/L	0.0700	10/5/2022 6:22:00 AM
Hexachlorobutadiene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Isopropylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Methyl tert-butyl ether	< 0.00100	0.00100		mg/L		10/5/2022 6:22:00 AM
Methylene chloride	< 0.00100	0.00100		mg/L	0.0050	10/5/2022 6:22:00 AM
Naphthalene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
n-Butylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
n-Propylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
sec-Butylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Styrene	< 0.000500	0.000500		mg/L	0.100	10/5/2022 6:22:00 AM
tert-Butylbenzene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Tetrachloroethene	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
Tetrahydrofuran	< 0.0100	0.0100		mg/L		10/5/2022 6:22:00 AM
Toluene	< 0.000500	0.000500		mg/L	1.00	10/5/2022 6:22:00 AM
trans-1,2-Dichloroethene	< 0.000500	0.000500		mg/L	0.100	10/5/2022 6:22:00 AM
trans-1,3-Dichloropropene	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Trichloroethene	< 0.000500	0.000500		mg/L	0.0050	10/5/2022 6:22:00 AM
Trichlorofluoromethane	< 0.000500	0.000500		mg/L		10/5/2022 6:22:00 AM
Vinyl chloride	< 0.000500	0.000500		mg/L	0.0020	10/5/2022 6:22:00 AM
m,p-Xylene	< 0.00100	0.00100		mg/L	10.0	10/5/2022 6:22:00 AM
o-Xylene	< 0.000500	0.000500		mg/L	10.0	10/5/2022 6:22:00 AM

Qualifiers: < Not Detected at the Reporting Limit
MCL Maximum Contaminant Level
RL Reporting Limit

H Holding times for preparation or analysis exceeded
PL Permit Limit
S Spike Recovery outside accepted recovery limits

Original
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Analytical Report

(DW)

WO#: 2209M91

Date Reported: 12/8/2022

CLIENT:	Williams & Works	Collection Date	9/30/2022 9:30:00 AM
Project:	City of Pottersville Well No. 5	Received Date:	9/30/2022 11:10:00 AM
Lab ID:	2209M91-01	Matrix:	DRINKING WATER
Client Sample ID:	TPW-5	Sampled By:	Dan Whaley
Location:			

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
VOLATILE ORGANICS, DRINKING WATER				EPA 524.2	Analyst: JS	
Trihalomethanes, Total	< 0.000500	0.000500		mg/L	0.0800	10/5/2022 6:22:00 AM
Xylenes, Total	< 0.00150	0.00150		mg/L	10.0	10/5/2022 6:22:00 AM
Surr: 1,2-Dichlorobenzene-d4	99.4	80 - 120		%Rec		10/5/2022 6:22:00 AM
Surr: 4-Bromofluorobenzene	91.4	80 - 120		%Rec		10/5/2022 6:22:00 AM
MERCURY, DRINKING WATER				EPA 245.1	Analyst: DV	
Mercury	< 0.000200	0.000200		mg/L	0.0020	10/6/2022 11:30:00 AM
METALS, DRINKING WATER				EPA 200.8	Analyst: AS	
Antimony	< 0.00100	0.00100		mg/L	0.0060	10/3/2022 4:09:09 PM
Arsenic	0.00841	0.00100		mg/L	0.0100	10/3/2022 4:09:09 PM
Barium	0.145	0.00100		mg/L	2.00	10/3/2022 4:09:09 PM
Beryllium	< 0.00100	0.00100		mg/L	0.0040	10/3/2022 4:09:09 PM
Cadmium	< 0.000200	0.000200		mg/L	0.0050	10/3/2022 4:09:09 PM
Calcium	91.1	0.0400		mg/L		10/6/2022 12:28:26 PM
Chromium	0.0122	0.00100		mg/L	0.100	10/3/2022 4:09:09 PM
Copper	< 0.00100	0.00100		mg/L	1.30	10/3/2022 4:09:09 PM
Manganese	0.0252	0.00100		mg/L		10/3/2022 4:09:09 PM
Nickel	0.00136	0.00100		mg/L		10/3/2022 4:09:09 PM
Selenium	< 0.00200	0.00200		mg/L	0.0500	10/3/2022 4:09:09 PM
Thallium	< 0.00100	0.00100		mg/L	0.0020	10/3/2022 4:09:09 PM
Zinc	< 0.00300	0.00300		mg/L		10/3/2022 4:09:09 PM
PFAS, DRINKING WATER				EPA 537.1	Analyst: JS	
PFBS	< 2.0	2.0		ng/L	420	10/15/2022 8:16:00 PM
PFHxA	< 2.0	2.0		ng/L	400000	10/15/2022 8:16:00 PM
HFPO-DA	< 2.0	2.0		ng/L	370	10/15/2022 8:16:00 PM
PFHxS	< 2.0	2.0		ng/L	51	10/15/2022 8:16:00 PM
PFHpA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
ADONA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
PFOA	< 2.0	2.0		ng/L	8.0	10/15/2022 8:16:00 PM
PFOS	< 2.0	2.0		ng/L	16	10/15/2022 8:16:00 PM

Qualifiers:

<	Not Detected at the Reporting Limit
MCL	Maximum Contaminant Level
RL	Reporting Limit

H	Holding times for preparation or analysis exceeded
PL	Permit Limit
S	Spike Recovery outside accepted recovery limits

Original
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Analytical Report

(DW)

WO#: 2209M91

Date Reported: 12/8/2022

CLIENT:	Williams & Works	Collection Date	9/30/2022 9:30:00 AM
Project:	City of Pottersville Well No. 5	Received Date:	9/30/2022 11:10:00 AM
Lab ID:	2209M91-01	Matrix:	DRINKING WATER
Client Sample ID:	TPW-5	Sampled By:	Dan Whaley
Location:			

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
PFAS, DRINKING WATER				EPA 537.1	Analyst: JS	
PFNA	< 2.0	2.0		ng/L	6.0	10/15/2022 8:16:00 PM
9CI-PF3ONS	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
PFDA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
NMeFOSAA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
NEtFOSAA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
PFUnA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
11CI-PF3OUdS	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
PFDaA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
PFTTrDA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
PFTA	< 2.0	2.0		ng/L		10/15/2022 8:16:00 PM
Surr: d5-N-EtFOSSA	74.7	70 - 130		%Rec		10/15/2022 8:16:00 PM
Surr: M3HFPO-DA	81.8	70 - 130		%Rec		10/15/2022 8:16:00 PM
Surr: MPFDA	81.4	70 - 130		%Rec		10/15/2022 8:16:00 PM
Surr: MPFHxA	115	70 - 130		%Rec		10/15/2022 8:16:00 PM
ALKALINITY				EPA 310.2	Analyst: AB	
Alkalinity, Total (As CaCO3)	352	4.00		mg/L CaCO3		10/3/2022 10:05:39 AM
ANIONS BY ION CHROMATOGRAPHY				EPA 300.0	Analyst: DV	
Fluoride	0.363	0.100		mg/L	4.00	9/30/2022 7:28:00 PM
Chloride	36.5	0.200		mg/L		9/30/2022 7:28:00 PM
Nitrite	< 0.100	0.100		mg/L	1.00	9/30/2022 7:28:00 PM
Nitrate	< 0.100	0.100		mg/L	10.0	9/30/2022 7:28:00 PM
Sulfate	66.4	0.500		mg/L		10/3/2022 3:49:00 PM
CYANIDE, DRINKING WATER				SM4500CN-E-2011	Analyst: TE	
Cyanide, Total	< 0.00600	0.00600		mg/L	0.200	10/6/2022 2:53:28 PM
HARDNESS, TOTAL				EPA 130.1	Analyst: AB	
Hardness (As CaCO3)	395	10.0		mg/L CaCO3		10/3/2022 12:35:16 PM

Qualifiers: < Not Detected at the Reporting Limit
MCL Maximum Contaminant Level
RL Reporting Limit

H Holding times for preparation or analysis exceeded
PL Permit Limit
S Spike Recovery outside accepted recovery limits

Original
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Analytical Report

(DW)

WO#: **2209M91**Date Reported: **12/8/2022**

CLIENT:	Williams & Works	Collection Date	9/30/2022 9:30:00 AM
Project:	City of Pottersville Well No. 5	Received Date:	9/30/2022 11:10:00 AM
Lab ID:	2209M91-01	Matrix:	DRINKING WATER
Client Sample ID:	TPW-5	Sampled By:	Dan Whaley
Location:			

Analyses	Result	RL	Qual	Units	MCL	Date Analyzed
PH						
				SM 4500-H+B		Analyst: KF
pH	7.31	0		pH Units		9/30/2022 4:35:19 PM
SPECIFIC CONDUCTANCE						
				EPA 120.1		Analyst: KF
Specific Conductivity	746	1.00		µmhos/cm		9/30/2022 4:38:37 PM
TEMPERATURE						
				SM2550B-2010		Analyst: KF
Temperature	14.8	0		°C		9/30/2022 4:36:21 PM

Qualifiers:

<	Not Detected at the Reporting Limit
MCL	Maximum Contaminant Level
RL	Reporting Limit

H	Holding times for preparation or analysis exceeded
PL	Permit Limit
S	Spike Recovery outside accepted recovery limits

Original
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ANALYTICAL RESULTS

Lab ID: 3811680001
 Sample ID: 2209M91-01A
 Description: TPW-5

Date Collected: 09/30/2022 09:30
 Date Received: 10/03/2022 13:52

Matrix: Drinking Water, Potable (D)
 Collector:

Parameter	Result	Qual	Unit	RL	MDL	DF	Min	Max	Analyzed	By
SOC Carbamates by EPA 531.2										
Aldicarb	<0.50		µg/L	0.50	0.10	1		3	10/13/2022 08:09	DTM
Aldicarb Sulfone	<0.50		µg/L	0.50	0.30	1		2	10/13/2022 08:09	DTM
Aldicarb Sulfoxide	<0.50		µg/L	0.50	0.20	1		4	10/13/2022 08:09	DTM
Carbaryl (Sevin)	<0.50		µg/L	0.50	0.20	1			10/13/2022 08:09	DTM
Carbofuran	<0.50		µg/L	0.50	0.20	1		40	10/13/2022 08:09	DTM
3-Hydroxycarbofuran	<0.50		µg/L	0.50	0.30	1			10/13/2022 08:09	DTM
Methiocarb	<0.50		µg/L	0.50	0.30	1			10/13/2022 08:09	DTM
Methomyl	<0.50		µg/L	0.50	0.20	1			10/13/2022 08:09	DTM
Oxamyl (Vydate)	<0.50		µg/L	0.50	0.20	1		200	10/13/2022 08:09	DTM
Propoxur	<0.50		µg/L	0.50	0.20	1			10/13/2022 08:09	DTM
SOC Pesticides and Industrials by EPA 525.2										
Alachlor	<0.20		µg/L	0.20		1		2	10/18/2022 12:58	DTM
Aldrin	<0.40		µg/L	0.40		1			10/18/2022 12:58	DTM
Atrazine	<0.20		µg/L	0.20		1		3	10/18/2022 12:58	DTM
Benzo(a)pyrene	<0.050		µg/L	0.050		1		200	10/18/2022 12:58	DTM
Butachlor	<2.0		µg/L	2.0		1			10/18/2022 12:58	DTM
Chlordane, Technical, as sum	<0.20		µg/L	0.20		1		2	10/18/2022 12:58	DTM
alpha-Chlordane	<0.050		µg/L	0.050		1			10/18/2022 12:58	DTM
gamma-Chlordane	<0.050		µg/L	0.050		1			10/18/2022 12:58	DTM
trans-Nonachlor	<0.050		µg/L	0.050		1			10/18/2022 12:58	DTM
Di(2-ethylhexyl)adipate	<0.60		µg/L	0.60		1		400	10/18/2022 12:58	DTM
Di(2-ethylhexyl)phthalate	<0.60		µg/L	0.60		1		6	10/18/2022 12:58	DTM
Dieldrin	<0.50		µg/L	0.50		1			10/18/2022 12:58	DTM
Endrin	<0.10		µg/L	0.10		1		2	10/18/2022 12:58	DTM
Heptachlor	<0.050		µg/L	0.050		1		400	10/18/2022 12:58	DTM
Heptachlor epoxide	<0.10		µg/L	0.10		1		200	10/18/2022 12:58	DTM
Hexachlorobenzene (HCB)	<0.10		µg/L	0.10		1		1	10/18/2022 12:58	DTM
Hexachlorocyclopentadiene	<0.20		µg/L	0.20		1		50	10/18/2022 12:58	DTM
Lindane (gamma-BHC)	<0.050		µg/L	0.050		1		200	10/18/2022 12:58	DTM
Methoxychlor	<0.10		µg/L	0.10		1		40	10/18/2022 12:58	DTM
Metolachlor	<1.0		µg/L	1.0		1			10/18/2022 12:58	DTM
Metribuzin	<1.0		µg/L	1.0		1			10/18/2022 12:58	DTM
Propachlor	<1.0		µg/L	1.0		1			10/18/2022 12:58	DTM
Simazine	<0.20		µg/L	0.20		1		4	10/18/2022 12:58	DTM
Toxaphene	<1.0		µg/L	1.0		1		3	10/18/2022 12:58	DTM
PCB Aroclor 1016	<0.10		µg/L	0.10		1		0.50	10/18/2022 12:58	DTM
PCB Aroclor 1221	<0.10		µg/L	0.10		1		0.50	10/18/2022 12:58	DTM
PCB Aroclor 1232	<0.10		µg/L	0.10		1		0.50	10/18/2022 12:58	DTM
PCB Aroclor 1242	<0.10		µg/L	0.10		1		0.50	10/18/2022 12:58	DTM
PCB Aroclor 1248	<0.10		µg/L	0.10		1		0.50	10/18/2022 12:58	DTM
PCB Aroclor 1254	<0.10		µg/L	0.10		1		0.50	10/18/2022 12:58	DTM

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ANALYTICAL RESULTS

PCB Aroclor 1260	<0.10	µg/L	0.10	1	0.50	10/18/2022 12:58	DTM
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Sample Preparation by EPA 525.2

Liquid-Solid Extr. Pests+Inds	Complete			1		10/10/2022 08:00	RNT
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Laboratory ID: 0055

National Testing Laboratories, Ltd556 South Mansfield, Ypsilanti, MI, 48197-5166
(440) 449-2525, Fax: (440) 449-8585**ANALYTICAL REPORTS****SAMPLE CODE: 437036****10/25/2022****Customer:** Paragon Laboratories
Elizabeth Pangborn
12649 Richfield Court
Livonia, MI 48150**Source:** I20221082:381168-0001**Date/Time Received:** 10/4/2022 13:20**Collected by:** Client

The results herein conform to TNI and ISO/IEC 17025:2017 standards, where applicable. These results may be used for compliance purposes, as required, unless otherwise narrated in the body of the report. The uncertainty of the test results are available upon request. All Dates and Times are reported as U.S. Eastern Time.

Legend:

Any 'Level Detected' marked with an asterisk (*) indicates that the value has exceeded the EPA Maximum Contaminant Level (MCL) or one of the Standards of Quality.

"ND" This contaminant was not detected at or above our lower reporting limit (LRL)**"NA"** Not Analyzed**"Standard"** This column indicates either the Maximum Contaminant Level (MCL) for EPA Primary Standards or the guideline values for EPA Secondary Standards.**"LRL"** This column indicates the Lower Reporting Limit, which is the lowest level that the laboratory can detect a contaminant.**"DF"** This column indicates the contaminant dilution factor.**Report Notes:**

Fed Id #	Contaminant	Method	Standard	Units	LRL	Level Detected	DF	Date/Time Sampled	Date Prepped	Date/Time Analyzed
Organic Analytes - Others										
2105	2,4-D	515.4	70	ug/L	0.1	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2625	Bentazon	515.4	--	ug/L	1	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2031	Dalapon	515.4	200	ug/L	1	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2440	Dicamba	515.4	--	ug/L	1	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2041	Dinoseb	515.4	7	ug/L	0.2	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2326	Pentachlorophenol	515.4	1	ug/L	0.04	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2040	Picloram	515.4	500	ug/L	0.1	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022
2110	Silvex 2,4,5-TP	515.4	50	ug/L	0.2	ND	1	9/30/2022 09:30	10/7/2022	10/24/2022

Analyst	Tests
RV	515.4



Christine MacMillan, Technical Director

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Client Sample Results

Client: Prein & Newhof
Project/Site: 2209M91

Job ID: 810-39947-1

Client Sample ID: 2209M91-01A TPW-5

Lab Sample ID: 810-39947-1

Date Collected: 09/30/22 09:30

Matrix: Drinking Water

Date Received: 10/03/22 10:00

Method: SM 7500 Ra D - Radium 226 Radium 228 Combined

Analyte	Result	Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Combined Radium 226 + 228	2.89		0.87618		0.470	pCi/L		11/02/22 09:58	1

Method: SM7110C - Gross Alpha by Co-Precipitation

Analyte	Result	Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Gross Alpha	3.64		2.55		2.23	pCi/L	10/24/22 16:16	10/28/22 12:49	1

Method: SM7500 Ra B - Radium-226

Analyte	Result	Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Ra-226	1.16		0.690		0.250	pCi/L	10/24/22 09:29	12/06/22 07:08	1

Method: SM7500 Ra D - Radium-228

Analyte	Result	Qualifier	Count Uncert. (2 σ +/-)	Total Uncert. (2 σ +/-)	MDC	Unit	Prepared	Analyzed	Dil Fac
Ra-228	1.73		0.540		0.470	pCi/L	10/05/22 11:57	10/31/22 11:24	1