



GLADSTONE CITY COMMISSION REGULAR MEETING

City Hall Chambers – 1100 Delta Avenue
May 08, 2023
6:00 PM

AGENDA

CALL TO ORDER

1. Invocation
2. Pledge of Allegiance
3. Roll Call
4. WPPI Public Power Scholarship Recipients - Kaitlyn Demeuse and Mya LaFave

PUBLIC HEARINGS

5. Proposed Appropriation Ordinance 2023-628

PUBLIC COMMENT

CONFLICTS OF INTEREST

CONSENT AGENDA

6. Recreation Advisory Board Minutes March 7, 2023
7. DDA Regular Meeting Minutes of March 21, 2023
8. City Commission Regular Meeting Minutes April 24, 2023
9. Payment of Bills

UNFINISHED BUSINESS

NEW BUSINESS

10. Set Public Hearing for the Water Department Drinking Water State Revolving Fund Utility Application
11. 2023 Special Events

CITY MANAGER'S REPORT

CITY COMMISSION & COMMITTEE REPORTS

BOARDS & COMMISSIONS REPORTS

CITY COMMISSIONER COMMENTS

CITY CLERK COMMENTS

CLOSED SESSION

12. City Manager & City Clerk Evaluations

ADJOURNMENT

The City of Gladstone will provide all necessary, reasonable aids and services, such as signers for the hearing impaired and audiotapes of printed materials being considered at the meeting to

individuals with disabilities at the meeting/hearing upon five days notice to the City of Gladstone. Individuals with disabilities requiring auxiliary aids or services should contact the City of Gladstone by writing or calling City Hall at (906) 428-2311.

Posted: 05-04-2023

Kimberly Berry, MiPMC
906-428-2311
kberry@gladstonemi.org

RULES FOR PUBLIC COMMENT/ PUBLIC HEARINGS

(Excerpt from City Commission Rules of Procedure Adopted: 11-25-2019)

A. Public Comment / Public Hearings

At regular and special meetings of the commission, individuals wishing to be heard may address the commission during the public comment/public hearing periods as set forth in the agenda under the following rules:

1. Each speaker shall state name and address for the record.
2. Each speaker is limited to three (3) minutes of comment unless the presiding officer decides more time is necessary
3. Each speaker shall try to be concise and refrain from repeating comments already addressed by the commission.
4. Speakers who do not cease speaking when asked to do so will be deemed out of order and will not be allowed to address the commission again for the remainder of the meeting; continued disruption will warrant removal from the meeting.
5. The commission shall not decide issues that arise during public comment.
6. Speakers should address the commission through the presiding officer.
7. Commissioners and staff will not debate with the public.
8. Speakers will not verbally attack City Commissioners, City Staff or members of the public attending the meeting. Any such behavior will not be tolerated and any person presenting in this manner will be warned by the Mayor and shall be removed by Public Safety for noncompliance.
9. No vulgar or obscene language will be used by the speakers.
10. Any information the speaker wants to distribute to the Commission must first ask the Chair (Mayor) if they may present the Commission written comments at the meeting.
11. Speakers may not ask questions of the board during this time as the Commission or Staff will not address them during this public comment period.



City of Gladstone, MI

1100 Delta Avenue
Gladstone, MI. 49837
www.gladstonemi.org

Staff Report

Agenda Date: 05-08-2023 Eric Buckman, City Manager: _____
 Department: Electric Department Head Name: _____
 Presenter: Eric Buckman Kim Berry, City Clerk: _____

This form and any background material must be approved by the City Manager then delivered to the City Clerk by 4:00 PM the Tuesday prior to the Commission Meeting.

AGENDA ITEM TITLE: WPPI 2023 Public Power Scholarship Recipients – Kaitlyn Demeuse and Mya LaFave

BACKGROUND:

WPPI provides two Public Power scholarships (\$1,000.00 each) to graduating Gladstone High School Students

FISCAL EFFECT: None

SUPPORTING DOCUMENTATION: None

RECOMMENDATION:

Check Presentation to scholarship winners – picture taken



City of Gladstone, MI

1100 Delta Avenue
Gladstone, MI. 49837
www.gladstonemi.org

Staff Report

Agenda Date: 04-24-2023 Eric Buckman, City Manager: _____
 Department: City Commission Department Head Name: _____
 Presenter: Manager Buckman Kim Berry, City Clerk: _____

This form and any background material must be approved by the City Manager then delivered to the City Clerk by 4:00 PM the Tuesday prior to the Commission Meeting.

AGENDA ITEM TITLE: Conduct Public Hearing on Appropriation Ordinance No. 2023-628

BACKGROUND:

Conduct public hearing on Appropriation Ordinance No. 2023-628
 Chapter 8, Sections 8 & 9 of the City Charter require the City Commission to adopt this ordinance.
 This ordinance lists General Fund Expenses for the 2023-2024 Fiscal Year.

FISCAL EFFECT:

FY 2023-2024 Budget

SUPPORTING DOCUMENTATION:

Ordinance No. 2023-628

RECOMMENDATION:

Conduct Public Hearing for April 24, 2023 at 6PM Gladstone City Hall for public input on Ord. No. 2023-628

Motion to approve.

**Requires four commission members in the affirmative to pass an ordinance – Roll Call. If we do not have four commissioners present, the motion would be to table until the next regular meeting **

**CITY OF GLADSTONE
ORDINANCE NO. 2023-628**

AN ORDINANCE MAKING APPROPRIATIONS FOR THE CURRENT FISCAL YEAR FOR THE CITY OF GLADSTONE, MICHIGAN FROM APRIL 1, 2023 THRU MARCH 31, 2024 TO DEFRAY THE DEBTS, EXPENDITURES & LIABILITIES LEVYING THE AMOUNTS THEREOF NECESSARY TO BE RAISED BY TAXATION TO BE LEVIED ON THE NEXT CITY OF GLADSTONE JULY 2023 TAX ROLL, AND FURTHER AUTHORIZING AND REQUIRING THE LEVYING ON THE JULY 2023 CITY AND DECEMBER 2023 GENERAL TAX ROLLS OF ALL THE DELINQUENT AND UNPAID SPECIAL ASSESSMENTS, TOGETHER WITH PENALTIES THEREOF AS PROVIDED BY THE CITY TREASURER.

THE CITY OF GLADSTONE ORDAINS:

Section I. That pursuant to the provisions of the Charter of the City of Gladstone, and the provisions of the budget as adopted by the City Commission, appropriations are hereby made for the current fiscal year from April 1, 2023 thru March 31, 2024 for the assessments and purposes hereinafter designated as follows:

General Government	\$1,121,489.00
Cemetery	\$96,511.00
Public Safety	\$1,852,662.00
General Public Works	\$545,859.00
Parks & Recreation	\$1,194,463.00

Section II. That of the amounts appropriated in Section I of this ordinance, there shall be raised by taxation upon all 2023 tax levy the tentative sum of \$1,691,887.00 for the purpose of defraying the debts, expenditures, and liabilities of said City of Gladstone for the current fiscal year from April 1, 2023 thru March 31, 2024.

Section III. The City Clerk shall certify to the City Assessor tentative sum of \$1,691,887.00 to be levied upon the assessed valuation of all taxable property within the City of Gladstone on the General City of Gladstone July 2023 tax roll for the said City of Gladstone and laws of the State of Michigan.

Section IV. The City Clerk of the City of Gladstone shall report by June 15, 2023 and November 15, 2023 to the City Assessor of said City of Gladstone the amounts of all the several delinquent Special Assessments returned unpaid by the City Treasurer on such dates for all public improvements heretofore levied and assessed, together with the description of such lots and the amount(s) of the assessment levied upon such, together with the names of the owners whom such assessments were made, as contained in the Special Assessment Roll(s) prepared therefore and on file in the office of the City Treasurer, and the City Assessor is hereby authorized and directed to levy and spread the sums so assessed together with penalties as fixed against the persons and property respectively charged therewith in such special Assessment Rolls, in accordance with provisions of the City Charter of the City of Gladstone.

Section V. This ordinance shall be published and take effect ten (10) days after its publication.

Introduced:04-10-2023
04-22-2023 U.P. ACTION NEWS
City of Gladstone website www.gladstonemi.org
Public Hearing: 04/24/2023
Adopted:
Published:
Effective:

CITY OF GLADSTONE

By: _____
Joseph Thompson, Mayor

By: _____
Kimberly Berry, City Clerk

PARKS & RECREATION ADVISORY BOARD

March 7th, 2023

Minutes

6:30pm

1. MEETING CALL TO ORDER: 6:30pm

2. ROLL CALL: Cathy Sjoquist, Gary Stevenson, Stacie Carter, Anne Pfothauer, Jay Bostwick, Bob Bosk

Others: Jason Davis, Kristyn Madalinski

3. APPROVAL OF MINUTES: February 15th, 2023

Jay Bostwick made a motion to approve the minutes for the February 15th, 2023.

Recreation Board Meeting and was supported by Stacie Carter at 6:32pm.

4. CALL TO THE PUBLIC: None

5. STAFF REPORT:

a. Miscellaneous Announcements and Reports: None

b. Financial Statements: None

6. BOARD ANNOUNCEMENTS & REPORTS:

a. Volunteerism: None

7. OLD BUSINESS:

a. Recreation Board reappointment letters – Gary Stevenson and Stacie Carter agreed to be reappointed to the Recreation Board for another 3 year term.

Director Davis handed out their reappointment letters and thanked Mr. Stevenson and Mrs. Carter for their service to the city of Gladstone and look forward to working with them in the future.

8. NEW BUSINESS:

- a. Budget Review 2023/2024 – Director Davis went over the budget changes and projects for this coming up budget year. The projects and funded budget items are as followed: Rec. Admin – Keep administration assistant, new computer, IT costs and new website training, Parks – Buy used Gravely Zero Steer mower, Beach – lifeguards will be at the beach for 6wks, Other Rec. Facilities – old pram shack moved to Bayshore ballfield for storage shed, old cow path and Indian statues new split rail fence, replace boards on fishing pier, paint railing at Bill Bullen’s fishing pier, power wash and seal KK playground, Ice Rink – Closed, Campground – new website training, Sports Park – Replace Bunny and gearbox, replace paddles, rope and snowcat cleats. Rec. Programs – replace pram shack (funded through donations)
- b. New appointment to Recreation Board – Davis welcomed the new Recreation Board member Cathy Sjoquist. She has been on the Recreation Board in the past and she was also a member of the beautification committee for decades. She brings many years of experience and is a very vocal advocate for the citizens of Gladstone and we look forward to having her experience on the board.
- c. Disc Golf tournament – The Commission approved the “North Bluff Open” disk golf tournament on June 3-4th which will be held at the Sports Park. This event is a PDGA sanctioned B-Tier event.
- d. “Friends of Gladstone” – Mrs. Madalinski has been working on starting a group called “Friends of Gladstone” with the goal to focus citizens on ways to help

serve the community based on the Parks and Rec. needs. **See attachment for more details.**

9. BOARD MEMBER COMMENTS:

Bob Bosk – would like to add to the next agenda a discussion on naming the “Forest Drive Park” which is the new playground up at the sports park next to the ballfields. He also would like the department and the pickleball club to check with the townships for funding.

Cathy Sjoquist – Would like the department to check with the schools to get volunteers for sealing and power washing the KK playground. She would like us to check with Marquette to see if they have anything left from their wooden playground recently taken down. Mrs. Sjoquist would also like the department to edge along the bike path throughout the parks, plant a garden area at KK and asked about the spring plantings.

Anne Pfothenauer – would like to add a discussion about the sailing school to the agenda next month.

10. ADJOURNMENT:

Anne Pfothenauer made the motion to adjourn the meeting and Stacie Carter supported the decision to adjourn the meeting at 8:14pm

“FRIENDS OF GLADSTONE”

Local citizens using their gifts and resources to serve the city of Gladstone through our Parks and Recreation Department.

Parks & Rec Vision

To serve the citizens of Gladstone by providing the best recreational experience while enjoying the finest park system in the area. Whether it's relaxing on the beach, enjoying a campfire at the campground or walking through the parks, you'll be rewarded by the beauty of this little city on the bay.

Parks & Rec Mission Statement

Our mission is to provide safe, efficient, quality recreational opportunities and to maintain the best park experience for the citizens of Gladstone and visitors to this beautiful area.

Goals of “Friends of Gladstone”

- Offer a focused way for citizens to serve their community based on Parks & Rec needs and their time allowance.
- Continually meet our Parks & Rec mission and vision within the budget in a timely manner.
- Provide services and resources to the community above and beyond what is possible using our current staff and budget.

Areas of Focus

- Winter
 - Ski Hill/chalet updates (i.e., kids' storage cubbies)
 - Spring planning
- Spring
 - Beautification - growing, planting, prepping
 - Summer prep (i.e., painting/staining weathered tables/garbage cans)
 - Summer planning
 - Fourth of July planning
- Summer
 - Flower/greenery maintenance/replacement
 - Building/updating outdoor items (i.e., life jacket stand)
 - “Beach Combers Club” (i.e., pick up garbage, lost & found items on beach)
 - Fall/winter planning
- Fall
 - Closing summer down in the parks (i.e., sweeping webs off ski hill picnic tables)
 - Make “closed for the season” items at bathrooms

What's Next

- People! Sign up...
- Add to email list
- Initial introduction meeting
- Email/phone call “asks”



GLADSTONE DDA REGULAR MEETING

City Hall Chambers – 1100 Delta Avenue
 March 21, 2023
 8:00 AM

MINUTES

A regular scheduled meeting of the Downtown Development Authority will be held on **Tuesday, March 21st at 8:00 AM ET** in the City Hall Chambers.

CALL TO ORDER

Board Chair, Jay Bostwick, called the meeting to order at 8:03 AM ET.

1. Roll Call

PRESENT	ABSENT
Joe Thompson	Kyle Closs
Jay Bostwick	Robert LeDuc
Daniel Becker	Taylor Miller
Jason Lippens	
Marcey Skwor	

Staff Present: Eric Buckman, Patricia West, Renee Barron and Vicki Schroeder

PUBLIC COMMENT: *None*

APPROVAL OF MINUTES

2. Regular Meeting Minutes - February 28th, 2023

Motion made by Bostwick, Seconded by Skwor to approve the minutes.

*Voting Yea: Thompson, Bostwick, Becker, Lippens, Skwor - **Motion Carried.***

FINANCIALS

3. February Revenue & Expenditure Report

The February budget was provided to the DDA Board for review. Vicki Schroeder is working with the county on the settlement process to make the city whole on unpaid taxes as the city approaches the end of their fiscal year.

CONFLICTS OF INTEREST: *None*

AMENDMENTS TO THE AGENDA: *None*

UNFINISHED BUSINESS

4. DDA Board Vacancy: General Board Application

The City Commission approved the appointment of Daniel Becker to the DDA Board on March 13, 2023. The DDA welcomed Daniel to his first meeting.

5. DDA Board Vacancy: Representative from Gladstone Area Schools

Motion made by Bostwick, Seconded by Lippens to post the Gladstone Area Schools DDA opening internally within the school system with an application deadline of April 14, 2023, while waiting to review Nathan Neumeier's application until after the posting has

closed.

Voting Yea: Thompson, Bostwick, Becker, Lippens, Skwor - **Motion carried.**

Item 7.

6. 2023/2024 DDA Budget Request

The City Commission has accepted the proposed fiscal year budget for 2023/2024 and set a public hearing for 6:00 PM on Monday, March 27, 2023.

7. *North Shore Development

No update prepared.

NEW BUSINESS

8. Additional \$480 in MACC Grant Funds for the Farmers Market

The DDA received \$2400 in MACC Grant funding in the fall to fund the bands at the farmers market during the 2023 market season. The City of Gladstone received notification that an additional \$480 in MACC Grant funding became available to us through the same grant, bringing the total funding for farmers market bands to \$2880.

9. Letter of Support: DOE GRIP Application for Smart Metering

The DDA was asked to write a letter of support for the Gladstone Electric Department's application in the Michigan Municipal Electric Association (MMEA) Consortium for smart metering. The letter of support had no financial impact to the DDA. The letter was signed by Board Chair, Jay Bostwick, and submitted to the City of Gladstone to be consolidated in the grant application.

10. North Shore: Waterfront Trail

Motion made by Skwor, Seconded by Lippens to allow the DDA Coordinator to assist in writing the Hannahville 2% Grant and the Michigan Spark Grant to apply for funding in pursuit of the North Shore Waterfront Trail, while also approving up to \$4600 in DDA funds for North Shore Contracted Services with Coleman Engineering to complete a Scope of Work to provide as supporting documentation for the Michigan Spark Grant .
Voting Yea: Thompson, Bostwick, Becker, Lippens, Skwor - **Motion carried.**

COMMENTS

a. City Manager

- City Manager, Eric Buckman, has been spending a lot of time on budget discussions and union contract negotiations in recent weeks.
- The tax tribunal on the special assessment from 2022 took place on February 28, 2023. The final decision has not been posted, but city staff were pleased with how the virtual hearing was conducted.
- There is not much to report on the legal issues as it relates to the lease on Irish Oaks. The city hopes this summer can be utilized to restore the property.

b. Community Development

- The Planning Commission is working on an amendment to the Master Plan, which they are hoping to finalize upon receiving the finalized census data this spring.

c. DDA Coordinator

- Farmers Market Coordinator Posting - The job posting closed on March 10th with zero applicants. However, Patricia West met with Kristyn Madalinski, Administrative

Assistant for Parks & Recreation, who was interested in the position and was considering applying.

Item 7.

- City Christmas Tree – The Electric Department confirmed that they have secured a Christmas Tree for the 2023 holiday season.
- Upcoming Items
 - DDA By-Laws Updates
 - DDA Board Member Term Expirations (May)
 - Election of DDA Officers (May)
 - Farmers Market Policy Updates
 - Farmers Market Vendor Applications
 - Information Meeting #1
- Generic Updates
 - Patricia West will be taking vacation from March 27 – 31st.
 - Patricia West is also expecting a baby in September 2023

d. DDA Members

PUBLIC COMMENT: *None*

ADJOURNMENT

Motion made by Skwor, Seconded by Lippens to adjourn at 9:00 AM ET.

Submitted by: Patricia West



GLADSTONE GLADSTONE CITY COMMISSION REGULAR MEETING 04/24/2023

City Hall Chambers – 1100 Delta Avenue
April 24, 2023
6:00 PM

MINUTES

Mayor Thompson called the meeting to order at 6:00 PM, Commissioner Styczynski gave the Invocation and Clerk Berry called the roll:

Commissioner Judy Akkala	Absent – Excused
Commissioner Brad Mantela	Absent - Excused
Commissioner Robert Pontius	Present
Commissioner Greg Styczynski	Present
Mayor Joe Thompson	Present

Mayor Thompson opened the public hearing at 6:03 PM. There being no public present, Mayor Thompson closed the public hearing. Motion by Mayor Thompson; seconded by Commissioner Styczynski to table the Proposed Appropriation Ordinance 2023-628 and hold another public hearing on Monday, May 8, 2023 at 6:00 PM.

MOTION CARRIED

No public in attendance for comment.

Motion by Commissioner Styczynski; seconded by Commissioner Pontius to approve the consent agenda as presented.

MOTION CARRIED

Motion by Commissioner Styczynski; seconded by Mayor Thompson to approve request for disbursement of funds draw #9 totaling \$868,972.00 for the Wastewater Upgrades Project.

MOTION CARRIED

Motion by Mayor Thompson; seconded by Commissioner Pontius to authorize City Manager, Eric Buckman to file a claim for a grant payment for the Protecting MI Pension Grant Programs.

MOTION CARRIED

Motion by Commissioner Pontius; seconded by Commissioner Styczynski to approve and support the Gladstone Downtown Development Authority’s application for the Michigan Municipal League’s Bridge Builders Main Street Microgrant for \$5,000.00.

MOTION CARRIED

Motion by Mayor Thompson; seconded by Commissioner Pontius to accept the bid from CC Power of Kalkaska, MI in the amount of \$57,972.00 for 2023-2024 electric pole replacements.

MOTION CARRIED

Motion by Mayor Thompson; seconded by Commissioner Styczynski to accept the bid from Bugle Contracting in the amount of \$27,450.00 for 2023-2024 Electric line clearance.

MOTION CARRIED

City Manager Report:

- Attended monthly DATA Meeting
- Attended 4th of July Planning Meeting – always looking for volunteers to help
- Attended DDA meeting
- Mayor Thompson, Commissioner Styczynski and I met with IBEW for kickoff negotiations meeting for lineman
- Friday, Adam Zimmermann and I conducted walking tour of North Shore property for architect, developer, project manager and investor
- Janice Frizzell, Barry Lund and I met to prepare this year’s paving/special assessment project
- City Clean Up Vouchers available May 1 – June 30th at the utility window for 1,000 pounds or \$29.00 at Delta County Landfill
- Congratulations to Mike “Skip” Kennedy on his retirement Friday, April 28th. Thank you for thirty-three years of service with the City of Gladstone, we will miss him.

Motion by Commissioner Styczynski; seconded by Commissioner Pontius to table the City Manager and City Clerk Evaluations to Monday, May 8, 2023 when we have a full Commission.

MOTION CARRIED

There being no further business before the Commission; Mayor Thompson adjourned the meeting at 6:26 PM.

Joe Thompson, Mayor

Kimberly Berry, City Clerk

CITY OF GLADSTONE
Monthly Bills Over \$5,000
May 8, 2023

Item 9.

Fund	Description	Amount
Wastewater	Milan Supply Co. Order # 551017956-00 - Masonville Township Sewer City Reimbursed by Township	\$ 7,970.31
General	BS & A Software - Cloud Upgrade	\$ 15,250.00

Total Bills Over \$5,000 for Commission Approval \$ 23,220.31

****Not Budgeted**

INFORMATION ONLY

April 2023 Accounts Payable - Attached
April 2023 Payroll by Fund - Attached



551-MS MT PLEASANT
Tele: (989)773-9938
7125 E. Pickard Rd.
Mt Pleasant, MI 48858

Remit To MILAN SUPPLY CO
PO BOX 309
MT PLEASANT, MI 48804

Invoice - Direct Item 9.

Ship Whse	Invoice Date	Order Number
551	2023-04-24	551017956-00
Placed By	PO Number	
RODNEY	RODNEY	

Cust # 55900127

Ship To CITY OF GLADSTONE
1100 DELTA AVE
GLADSTONE, MI 49837 US

Bill To CITY OF GLADSTONE
1100 DELTA AVE
GLADSTONE, MI 49837 US

<i>Instructions</i>	<i>Shipped</i>	<i>For questions about this order, contact:</i>	
SHIPPING DIRECT	2023-04-24	KEVIN DAVIS 800-756-4526	
<i>Ex Works Ship Point</i>	<i>Via</i>	<i>Freight Terms Description</i>	
** DROP SHIP **	BESTWAY		
<i>Reference</i>	<i>Terms</i>	<i>Due Date</i>	<i>Discount Date</i>
	NET 1ST EOM	2023-05-31	N/A

Ln #	Product And Description	Quantity Ordered	Quantity Shipped	Quantity Backordered	Qty UM	Unit Price	Discount Multiplier	Amount (Net)
1	WGX30-21-35 WGX30-21-35, 3HP 230V 1PH WITH 35' CORD	1	1	0	EACH	5,808.000	.00	5,808.00
2	22586B000 22586B000 SHREDDING RING FOR WGX30-21	2	2	0	EACH	560.000	.00	1,120.00
3	22584C000 22584C000 GRINDING IMPELLER FOR WGX30-21	2	2	0	EACH	458.670	.00	917.34

Sub Total 7,845.34
Freight In 124.97
Total 7,970.31

FY 23/24
590-536-751 MS
4/25/2023
Reimbursed from township

S& A Software
14965 Abbey Lane
Bath, MI 48808

INVOICE

Invoice Number: 147553
Invoice Date: Apr 11, 2023
Page: 1

Voice: 517-641-8900
Fax: 517-641-8960

23/24 Fy

Bill To:
CITY OF GLADSTONE 1100 Delta Avenue GLADSTONE, MI 49837 DELTA

Customer ID	Customer PO	Payment Terms	
GLADCTYDELT		Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
KEEGAN NIXON	Regular billing		5/11/23

Quantity	Description	Unit Price	Amount
1.00	Implementation & Project Management-Property	2,000.00	2,000.00
1.00	Implementation & Project Management-Financial Management & Personnel Management	13,250.00	13,250.00
<i>101-265-970 - Oelves RMS Cloud Upgrade</i>			

Subtotal	15,250.00
Sales Tax	
Total Invoice Amount	15,250.00
Payment/Credit Applied	
TOTAL	15,250.00

Check/Credit Memo No:

Check Date	Bank	Check	Vendor	Vendor Name	Amount
Bank BAY					
04/01/2023	BAY	869(E)	OFFIC15110	U.S. BANK EQUIPMENT FINANCE	192.04
04/03/2023	BAY	77267	KETCH11200	JANICE ANN FRIZZELL	3,291.67
04/03/2023	BAY	77268	PROTO16100	PRO TOWING AND SALES	3,300.00
04/05/2023	BAY	77276	MISC	ERICA QUINN	250.00
04/05/2023	BAY	77277	MISC	MWEA LOCAL SECTION 21	400.00
04/05/2023	BAY	870(E)	STATE19180	STATE OF MICHIGAN	11,466.00
04/13/2023	BAY	77278	CARQU03100	ADVANCE AUTO PARTS (CARQUEST)	3,244.74
04/13/2023	BAY	77279	ALRTE01110	ALERT ELECTRONICS INC.	180.00
04/13/2023	BAY	77280	MISC	BEN HEWITT	1,207.10
04/13/2023	BAY	77281	BILLY02100	BILLY ELECTRIC	427.84
04/13/2023	BAY	77282	BINKS02100	BINK'S COCA-COLA BOTTLING CO	40.00
04/13/2023	BAY	77283	C2AE01000	C2AE	6,000.00
04/13/2023	BAY	77284	CITYO03100	CITY OF GLADSTONE	19,937.82
04/13/2023	BAY	77285	COLE03100	COLEMAN ENGINEERING COMPANY	2,450.00
04/13/2023	BAY	77286	HDSUP08100	CORE & MAIN LP	33,520.90
04/13/2023	BAY	77287	COURT3100	COURTNEY JO ARROWOOD	300.00
04/13/2023	BAY	77288	DAILY04100	DAILY PRESS	405.90
04/13/2023	BAY	77289	DELTA04220	DELTA CO. FIRE CHIEFS ASSOC.	35.00
04/13/2023	BAY	77290	DELTA04200	DELTA DISPOSAL	45.00
04/13/2023	BAY	77291	DELTA04800	DELTA SOLID WASTE MGMT AUTHORITY	5,065.20
04/13/2023	BAY	77292	FASTE06100	FASTENAL COMPANY	25.11
04/13/2023	BAY	77293	GARDS07100	GARD SPECIALISTS	144.61
04/13/2023	BAY	77294	HIAWA08100	HIAWATHA CHEF SUPPLY, INC.	28.75
04/13/2023	BAY	77295	JYDRO08100	HYDROCORP	710.00
04/13/2023	BAY	77296	INFOS09100	INFOSEND	1,742.76
04/13/2023	BAY	77297	INTRT09115	INTERSTATE POWER SYSTEMS, INC.	205.11
04/13/2023	BAY	77298	IVERS09100	IVERSON'S HOME CENTER	155.76
04/13/2023	BAY	77299	KIMBU11100	KIM BUCKMAN	300.00
04/13/2023	BAY	77300	KONICA	KONICA MINOLTA BUSINESS SOLUTIONS	761.07
04/13/2023	BAY	77301	DEPT04110	LARA-MPSC	2,651.55
04/13/2023	BAY	77302	LAWOF12100	LAW OFFICE OF CRYSTAL MORGAN, PLLC	210.00
04/13/2023	BAY	77303	MAPLE13200	MAPLERIDGE TOWNSHIP	5,680.85
04/13/2023	BAY	77304	MASON13100	MASONVILLE TOWNSHIP TREASURER	6,698.70
04/13/2023	BAY	77305	MENAR13100	MENARDS - ESCANABA	691.60
04/13/2023	BAY	77306	NORTH14300	NORTHERN MICHIGAN UNIVERSITY	1,500.00
04/13/2023	BAY	77307	NORTH14550	NORTHGATE EQUIPMENT & SALES	655.97
04/13/2023	BAY	77308	NOVAT14240	NOVATECH	265.00
04/13/2023	BAY	77309	NUWAY14100	NUWAY CLEANERS LAUNDRY & RENTALS	134.50
04/13/2023	BAY	77310	POMAS16100	POMASL FIRE EQUIPMENT, INC.	3,215.84
04/13/2023	BAY	77311	POMPS16100	POMP'S TIRE SERVICE, INC.	911.85
04/13/2023	BAY	77312	REEDC18100	POWER LINE SUPPLY CO	5,582.92
04/13/2023	BAY	77313	POWER16100	POWER SYSTEM ENGINEERING	1,750.00
04/13/2023	BAY	77314	RESCO18100	RESCO	4,780.46
04/13/2023	BAY	77315	SAFET19100	SAFETYWORKS, LLC	2,800.00
04/13/2023	BAY	77316	STAND19100	STANDARD ELECTRIC COMPANY	647.23
04/13/2023	BAY	77317	MICH113950	STATE OF MICHIGAN	60.00
04/13/2023	BAY	77318	SHERW19100	THE SHERWIN WILLIAMS CO.	1,903.55
04/13/2023	BAY	77319	THEUP20100	THE UPS STORE	244.10
04/13/2023	BAY	77320	TILBE20100	TILBERTS INC.	60.00
04/13/2023	BAY	77321	TRUCK20100	TRUCK EQUIPMENT INC	178.68
04/13/2023	BAY	77322	UPACT21100	U.P. ACTION NEWS	360.80
04/13/2023	BAY	77323	UPINT02110	UP INTERNATIONAL TRUCKS, INC	352.70
04/13/2023	BAY	77324	USABL21100	USA BLUE BOOK	700.09
04/13/2023	BAY	77325	WESCO23100	WESCO RECEIVABLES CORP.	3,059.64
04/13/2023	BAY	77326	ZARNO24100	ZARNOTH BRUSH WORKS, INC	780.00
04/13/2023	BAY	77327	OFFIC15110	U.S. BANK EQUIPMENT FINANCE	84.09
04/17/2023	BAY	77328	MISC	DART LOGISTICS	900.00
04/17/2023	BAY	77329	GLAD7079	GLADSTONE EYE CARE	273.00
04/17/2023	BAY	77330	MELSL13100	MEL'S LAWN, GARDEN & FEED	179.00
04/17/2023	BAY	77331	MISC	RITCHIE BROS.	29,169.27
04/17/2023	BAY	872(E)	MICHI13125	MICHIGAN CONFERENCE OF TEAMSTERS	58,567.00
04/19/2023	BAY	77332	MISC	JUSTIN POQUETTE	250.00
04/20/2023	BAY	77344	CITYO03100	CITY OF GLADSTONE	94.78
04/20/2023	BAY	77345	DELTA04175	DELTA COUNTY TREASURER	8,087.50
04/21/2023	BAY	876(E)	QUADI02100	QUADIENT FINANCE USA, INC.	400.00
04/24/2023	BAY	77346	NMPSA14100	NMPSA	25.00
04/25/2023	BAY	77347	CITYO03100	CITY OF GLADSTONE	117.64
04/26/2023	BAY	873(E)	UPPPA	UPPER PENINSULA PUBLIC POWER ASSOC	14,741.44
04/26/2023	BAY	874(E)	VOYAG22100	VOYAGER FLEET SYSTEMS INC	7,847.06
04/27/2023	BAY	77348	JCGAS10100	A1 SPORT & WELD SUPPLY	251.72
04/27/2023	BAY	77349	BSASO02100	BS&A SOFTWARE	21,475.00
04/27/2023	BAY	77350	C2AE01000	C2AE	24,946.98
04/27/2023	BAY	77351	CIVIC3100	CIVICPLUS	250.00
04/27/2023	BAY	77352	DAWNL4100	DAWN LYNCH	180.00
04/27/2023	BAY	77353	DEARB4100	DEARBORN LIFE INSURANCE CO.	598.70
04/27/2023	BAY	77354	DELLM04100	DELL MARKETING L.P.	34.99
04/27/2023	BAY	77355	DELTA04800	DELTA SOLID WASTE MGMT AUTHORITY	16.09
04/27/2023	BAY	77356	HALLF08100	HALLFRISCH COUNSELING & EAP SERVICE	2,560.00

User: KIM
DB: Gladstone

Item 9.

Check Date	Bank	Check	Vendor	Vendor Name	Amount
04/27/2023	BAY	77357	HAWK08100	HAWKINS, INC.	4,886.12
04/27/2023	BAY	77358	HIAWA08100	HIAWATHA CHEF SUPPLY, INC.	135.90
04/27/2023	BAY	77359	IDEXX09100	IDEXX DISTRIBUTION, INC.	2,623.40
04/27/2023	BAY	77360	INSIG09100	INSIGHT FS	3,095.43
04/27/2023	BAY	77361	ITRON09100	ITRON, INC	988.12
04/27/2023	BAY	77362	IVERS09100	IVERSON'S HOME CENTER	198.83
04/27/2023	BAY	77363	MISC	JUDY HESEMANN	176.27
04/27/2023	BAY	77364	MARQ13100	MARQUETTE VETERINARY CLINIC	245.72
04/27/2023	BAY	77365	MELSL13100	MEL'S LAWN, GARDEN & FEED	61.99
04/27/2023	BAY	77366	MENAR13100	MENARDS - ESCANABA	251.65
04/27/2023	BAY	77367	MICHI13500	MICHIGAN ASSOCIATION OF PLANNING	65.00
04/27/2023	BAY	77368	MICHI13175	MICHIGAN MUNICIPAL RISK MGMT AUTHOR	47,307.00
04/27/2023	BAY	77369	NUWAY14100	NUWAY CLEANERS LAUNDRY & RENTALS	21.75
04/27/2023	BAY	77370	NYEUN14100	NYE UNIFORM	66.54
04/27/2023	BAY	77371	OEI15100	OFFICE ENTERPRISES, INC.	219.95
04/27/2023	BAY	77372	PARAG16100	PARAGON LABORATORIES, INC.	82.00
04/27/2023	BAY	77373	PAYMENTUS	PAYMENTUS CORPORATION	2,929.00
04/27/2023	BAY	77374	POWER16100	POWER SYSTEM ENGINEERING	2,993.00
04/27/2023	BAY	77375	RICHA18120	RICHARDS PRINTING INC.	59.49
04/27/2023	BAY	77376	MISC	ROBERT LEWIS JR	54.34
04/27/2023	BAY	77377	STAAB9100	STAAB CONSTRUCTION CORPORATION	633,322.80
04/27/2023	BAY	77378	STAND19100	STANDARD ELECTRIC COMPANY	292.00
04/27/2023	BAY	77379	STAPL19200	STAPLES CREDIT PLAN	360.81
04/27/2023	BAY	77380	IRBY09100	STUART C IRBY CO	7,446.00
04/27/2023	BAY	77381	TRUCK20100	TRUCK EQUIPMENT INC	173.56
04/27/2023	BAY	77382	USABL21100	USA BLUE BOOK	40.40
04/27/2023	BAY	77383	MISC	VERONICA TATE	46.98
04/27/2023	BAY	77384	WESCO23100	WESCO RECEIVABLES CORP.	303.92
04/27/2023	BAY	77385	WOLVE23110	WOLVERINE POWER SYSTEMS	1,605.00
04/28/2023	BAY	77386	MISC	HUBER JOSEPH R & KATEY E	123.20
04/28/2023	BAY	875(E)	WPPIE23100	WPPI ENERGY	200,579.67

BAY TOTALS:

Total of 109 Checks:
Less 0 Void Checks:1,223,513.51
0.00

Total of 109 Disbursements:

1,223,513.51

For Journal Entries with Post Dates Between 04/01/2023 and 04/30/2023

Fund	Item	Amount
101		
	Gross Payment:	120,034.49
	Net Payment:	83,002.61
	Total Payroll:	184,314.06
	<u>Deductions</u>	<u>Amount</u>
	AFLAC_AFTER	264.99
	AFLAC_PRE	263.04
	CDSUPPHONE	10.07
	CLERKPHONE	10.07
	CRCL_TST	1,755.00
	DC LOAN REPAY	1,366.42
	DC LOAN REPAY2	1,103.26
	DEFINED_COMP_3	2,921.08
	DEFINEDBENEFIT2	149.76
	DPWPHONE	68.08
	DPWSUPPHONE	3.28
	FITW	10,673.90
	FOC	276.54
	FOP	410.48
	HEALTHINSCONT	3,315.27
	MEDICARE_EE	1,681.32
	MERS 457 ROTH %	231.55
	MERS457	92.67
	MSAEFAMILY	368.99
	MSAESINGLE	31.50
	P&RPHONE	14.87
	P&RSUPPHONE	10.07
	PSUPRPHONE	10.07
	PUBSAFPHONE	14.87
	SITW	4,463.79
	SOCSEC_EE	7,189.09
	SUPSUNIONDUES	78.33
	TEAMSTERS	243.45
	TREASPHONE	10.07
	Deduction Totals:	37,031.88
	<u>Expenses</u>	<u>Amount</u>
	DEFINED_COMP_10	1,087.17
	DEFINED_COMP_11	9,481.90
	EMPLOYER 457	610.94
	HSA PS EXPENSE	1,000.00
	MEDICARE_ER	1,681.32
	MSA ER EXPENSE	2,724.57
	MSA PS DIR ER	13,500.00
	MSA SUPER ER	27,000.00
	SOCSEC_ER	7,189.09
	SUI	4.58
	Expense Totals:	64,279.57
202		
	Gross Payment:	4,937.55
	Net Payment:	3,400.35
	Total Payroll:	5,983.05
	<u>Deductions</u>	<u>Amount</u>
	AFLAC_AFTER	1.41
	AFLAC_PRE	2.62
	DC LOAN REPAY	24.34
	DC LOAN REPAY2	29.08
	DEFINED_COMP_3	148.12

Item 9.

For Journal Entries with Post Dates Between 04/01/2023 and 04/30/2023

Item 9.

Fund	Item	Amount
	DPWPHONE	10.42
	DPWSUPPHONE	2.51
	FITW	504.49
	FOC	24.91
	HEALTHINSCONT	147.47
	MEDICARE_EE	69.10
	MERS457	34.72
	MSAEEFAMILY	15.64
	MSAEESINGLE	5.77
	SITW	185.46
	SOCSEC_EE	295.47
	SUPSUNIONDUES	6.28
	TEAMSTERS	29.39
	Deduction Totals:	1,537.20
	Expenses	Amount
	DEFINED_COMP_10	149.36
	DEFINED_COMP_11	378.78
	MEDICARE_ER	69.10
	MSA ER EXPENSE	152.79
	SOCSEC_ER	295.47
	Expense Totals:	1,045.50

203

	Gross Payment:	6,698.49
	Net Payment:	4,494.78
	Total Payroll:	8,157.97
	Deductions	Amount
	AFLAC_AFTER	2.10
	AFLAC_PRE	6.06
	DC LOAN REPAY	43.74
	DC LOAN REPAY2	73.03
	DEFINED_COMP_3	200.94
	DPWPHONE	9.75
	DPWSUPPHONE	2.01
	FITW	679.34
	FOC	67.27
	HEALTHINSCONT	232.09
	MEDICARE_EE	93.31
	MERS457	35.65
	MSAEEFAMILY	13.84
	MSAEESINGLE	10.86
	SITW	253.69
	SOCSEC_EE	398.99
	SUPSUNIONDUES	5.19
	TEAMSTERS	75.85
	Deduction Totals:	2,203.71
	Expenses	Amount
	DEFINED_COMP_10	135.95
	DEFINED_COMP_11	587.22
	MEDICARE_ER	93.31
	MSA ER EXPENSE	244.01
	SOCSEC_ER	398.99
	Expense Totals:	1,459.48

248

	Gross Payment:	4,134.07
	Net Payment:	3,134.33

21

For Journal Entries with Post Dates Between 04/01/2023 and 04/30/2023

Fund	Item	Amount
	Total Payroll:	4,462.61
	<u>Deductions</u>	<u>Amount</u>
	AFLAC_AFTER	1.01
	AFLAC_PRE	0.60
	DC LOAN REPAY	12.93
	DC LOAN REPAY2	3.23
	DEFINED_COMP_3	1.96
	FITW	486.33
	HEALTHINSCONT	2.50
	MEDICARE_EE	59.89
	SITW	175.20
	SOCSEC_EE	256.09
	Deduction Totals:	999.74
	<u>Expenses</u>	<u>Amount</u>
	DEFINED_COMP_11	7.17
	MEDICARE_ER	59.89
	MSA ER EXPENSE	2.95
	SOCSEC_ER	256.09
	SUI	2.44
	Expense Totals:	328.54

Item 9.

540

Gross Payment:	6,051.74
Net Payment:	4,408.58
Total Payroll:	7,376.80

Deductions	Amount
AFLAC_AFTER	9.11
AFLAC_PRE	9.46
DC LOAN REPAY	69.60
DC LOAN REPAY2	40.39
DEFINED_COMP_3	180.41
DPWPHONE	0.60
DPWSUPPHONE	2.27
FITW	324.85
FOC	24.92
HEALTHINSCONT	209.44
MEDICARE_EE	84.33
MERS457	19.40
MSAEEFAMILY	12.57
MSAEE SINGLE	1.87
SITW	215.32
SOCSEC_EE	360.60
SUPSUNIONDUES	4.98
TEAMSTERS	73.04
Deduction Totals:	1,643.16

Expenses	Amount
DEFINED_COMP_10	167.17
DEFINED_COMP_11	475.96
MEDICARE_ER	84.33
MSA ER EXPENSE	237.00
SOCSEC_ER	360.60
Expense Totals:	1,325.06

582

Gross Payment:	43,109.30
Net Payment:	28,839.82

22

For Journal Entries with Post Dates Between 04/01/2023 and 04/30/2023

Item 9.

Fund	Item	Amount
	Total Payroll:	76,304.76
	<u>Deductions</u>	<u>Amount</u>
	AFLAC_AFTER	75.03
	AFLAC_PRE	297.69
	DC LOAN REPAY	60.47
	DC LOAN REPAY2	19.71
	DEFINED_COMP_3	618.40
	DEFINEDBENEFIT1	157.63
	DPWPHONE	0.37
	ELECPHONE	29.74
	ELECSUPPHONE	10.07
	FITW	5,815.37
	FOC	4.98
	HEALTHINSCONT	705.47
	MEDICARE_EE	604.71
	MERS457	197.85
	MERS457%	973.31
	MSAEEFAMILY	349.30
	SITW	1,698.20
	SOCSEC_EE	2,585.68
	SUPSUNIONDUES	34.64
	TEAMSTERS	30.86
	Deduction Totals:	----- 14,269.48
	<u>Expenses</u>	<u>Amount</u>
	DEFINED_COMP_10	570.77
	DEFINED_COMP_11	1,623.00
	MEDICARE_ER	604.71
	MSA ER EXPENSE	811.30
	MSA SUPER ER	27,000.00
	SOCSEC_ER	2,585.68
	Expense Totals:	----- 33,195.46
590	Gross Payment:	24,954.70
	Net Payment:	16,681.90
	Total Payroll:	57,176.28
	<u>Deductions</u>	<u>Amount</u>
	AFLAC_AFTER	25.77
	AFLAC_PRE	26.37
	CRCL_TST	1,100.62
	DC LOAN REPAY	58.19
	DC LOAN REPAY2	14.53
	DEFINED_COMP_3	743.79
	FITW	2,265.18
	HEALTHINSCONT	659.80
	MEDICARE_EE	349.54
	MERS457	167.31
	MERS457%	10.94
	MSAEEFAMILY	159.46
	SITW	940.14
	SOCSEC_EE	1,494.60
	SUPSUNIONDUES	34.00
	TEAMSTERS	188.53
	USCM2284	0.76
	WATERPHONE	3.22
	WATERSUPHONE	0.31
	WWPHONE	29.74

For Journal Entries with Post Dates Between 04/01/2023 and 04/30/2023

Fund	Item	Amount
	Deduction Totals:	8,272.80
	Expenses	Amount
	DEFINED_COMP_10	286.03
	DEFINED_COMP_11	2,405.22
	MEDICARE_ER	349.54
	MSA ER EXPENSE	686.19
	MSA SUPER ER	27,000.00
	SOCSEC_ER	1,494.60
	Expense Totals:	32,221.58

Item 9.

591

Gross Payment:	17,792.55
Net Payment:	12,498.37
Total Payroll:	48,336.34

Deductions	Amount
AFLAC_AFTER	101.11
AFLAC_PRE	47.20
CRCL_TST	19.38
DC LOAN REPAY	58.18
DC LOAN REPAY2	14.56
DEFINED_COMP_3	498.69
FITW	1,963.02
HEALTHINSCONT	318.36
MEDICARE_EE	252.53
MERS457	87.34
MERS457%	10.94
MSAEEFAMILY	9.22
SITW	675.12
SOCSEC_EE	1,079.71
SUPSUNIONDUES	31.96
TEAMSTERS	67.32
USCM2284	23.26
WATERPHONE	26.52
WATERSUPHONE	9.76
Deduction Totals:	5,294.18

Expenses	Amount
DEFINED_COMP_10	430.22
DEFINED_COMP_11	1,347.84
MEDICARE_ER	252.53
MSA ER EXPENSE	433.35
MSA SUPER ER	27,000.00
SOCSEC_ER	1,079.71
SUI	0.14
Expense Totals:	30,543.79

594

Gross Payment:	375.75
Net Payment:	276.70
Total Payroll:	445.51

Deductions	Amount
AFLAC_AFTER	1.01
AFLAC_PRE	0.58
DC LOAN REPAY	12.93
DC LOAN REPAY2	3.23
DEFINED_COMP_3	10.66
FITW	19.01
HEALTHINSCONT	12.08

For Journal Entries with Post Dates Between 04/01/2023 and 04/30/2023

Fund	Item	Amount
	MEDICARE_EE	5.26
	SITW	11.81
	SOCSEC_EE	22.48
	Deduction Totals:	99.05
	<u>Expenses</u>	<u>Amount</u>
	DEFINED_COMP_11	39.07
	MEDICARE_ER	5.26
	MSA ER EXPENSE	2.94
	SOCSEC_ER	22.48
	SUI	0.01
	Expense Totals:	69.76
706	Gross Payment:	137.72
	Net Payment:	81.67
	Total Payroll:	167.85
	<u>Deductions</u>	<u>Amount</u>
	AFLAC_AFTER	1.18
	AFLAC_PRE	2.70
	DEFINED_COMP_3	4.13
	FIW	13.13
	HEALTHINSCONT	2.27
	MEDICARE_EE	1.91
	MERS457	5.06
	MERS457%	10.95
	MSAEFAMILY	0.98
	SITW	5.01
	SOCSEC_EE	8.17
	TEAMSTERS	0.56
	Deduction Totals:	56.05
	<u>Expenses</u>	<u>Amount</u>
	DEFINED_COMP_11	15.15
	MEDICARE_ER	1.91
	MSA ER EXPENSE	4.90
	SOCSEC_ER	8.17
	Expense Totals:	30.13

Item 9.



City of Gladstone, MI

1100 Delta Avenue
Gladstone, MI. 49837
www.gladstonemi.org

Staff Report

Agenda Date: 05/08/2023 **Eric Buckman, City Manager:** _____

Department: Water **Department Head Name:** _____

Presenter: Rob Spreitzer **Kim Berry, City Clerk:** _____

This form and any background material must be approved by the City Manager then delivered to the City Clerk by 4:00 PM the Tuesday prior to the Commission Meeting.

AGENDA ITEM TITLE: Set Public Hearing for the Water Department EGLE DWSRF Application

BACKGROUND: In October of 2022 Coleman Engineering submitted an Intent to Apply (ITA) Form on behalf of the City of Gladstone to EGLE, seeking funding through the State Drinking Water Revolving Loan Fund to replace our Intake and crib, and construct a 2nd transmission main to our reservoir. Both projects are on the Water Plants Capital Improvement Plan. The Water Department has retained the services of Coleman Engineering for applying for DWSRF funding. Part of the application process involves notifying the public of the project plan and holding a public hearing. The notice needs to be posted 10 days prior to the meeting. Since the meeting will be held May 22nd, the notice should be posted on or before May 12th. Posting the notice on the City’s website and social media are acceptable forms of advertisement.

FISCAL EFFECT: The money for these services have been approved and are include in our 2023-24 budget. If our project is accepted by EGLE for DWSRF we will have funding for the project and rates will be adjusted accordingly.

SUPPORTING DOCUMENTATION: Notice of Project Plan Public Hearing and Application

RECOMMENDATION: Make motion to set public hearing for 6:00 pm May 22, 2023 at Gladstone City Hall for the Water Department DWSRF Application

NOTICE OF PROJECT PLAN PUBLIC HEARING

The City of Gladstone will hold a public hearing on the proposed City of Gladstone Drinking Water State Revolving Fund Utility Project for the purpose of receiving comments from interested persons.

The hearing will be held at 6:00 p.m. on May 22, 2023 at the following location:

Gladstone City Hall
1100 Delta Avenue
Gladstone, MI 49837

The purpose of the proposed project is to replace the aged raw water intake, water main and water service lines. Project construction will involve the replacement of street surface, curbs, gutters, sidewalk, and water main within the project areas. A map of the project area is included as part of the Project Plan and is available for review.

Impacts of the proposed project include short-term roadway closures, water service interruptions and long-term improvement to the water quality in the City of Gladstone.

The estimated cost to users for the proposed project will come in the form of a water user rate increase with the exact amount of the increase determined by future funding arrangements.

Copies of the plan detailing the proposed project are available for inspection at the following location(s):

City of Gladstone
1100 Delta Avenue
Gladstone, MI 49837

Written comments received before the hearing record is closed on May 22, 2023 will receive responses in the final project plan. Written comments should be sent to:

Ms. Kim Berry, City Clerk
City of Gladstone
1100 Delta Avenue
Gladstone, MI 49837

PROJECT PLAN
FOR
THE CITY OF GLADSTONE

DRINKING WATER STATE REVOLVING FUND
PROJECT PLAN
WATER

DELTA COUNTY, MICHIGAN

MAY 2023



COLEMAN ENGINEERING COMPANY

CIVIL ENGINEERING • ENVIRONMENTAL ENGINEERING
GEOTECHNICAL ENGINEERING • SURVEYING

PROJECT PLAN
FOR
THE CITY OF GLADSTONE

DRINKING WATER STATE REVOLVING FUND UTILITY
PROJECT PLAN
WATER

DELTA COUNTY, MICHIGAN

MAY 2023

COLEMAN ENGINEERING COMPANY
635 Circle Drive
Iron Mountain, MI 49801

CEC Project #EC-230071

TABLE OF CONTENTS

SECTION 1: EXECUTIVE SUMMARY 1

SECTION 2: BACKGROUND 3

- A. Study and Service Area 3
- B. Population.....3
- C. Existing Environment Evaluation 3
- D. Existing System..... 21
- E. Need for the Project..... 25
- F. Projected Future Needs 28

SECTION 3: ANALYSIS OF ALTERNATIVES 29

- A. Identification of Potential Alternatives..... 29
- B. Analysis of Principal Alternatives 30
- C. Monetary Evaluation..... 31
- D. Partitioning the Project 32
- E. Environmental Evaluation 33
- F. Implementation and Public Participation 33
- G. Technical and Other Considerations 34

SECTION 4: SELECTED ALTERNATIVE 35

- A. Relevant Design Parameters 35
- B. Design Criteria 35
- C. Project Maps 35
- D. Controlling Factors 36
- E. Special Assessment District Projects..... 36
- F. Sensitive Features 36
- G. Schedule for Design and Construction..... 36
- H. Cost Summary 37
- I. Authority to Implement the Selected Alternative 37
- J. User Costs..... 37
- K. Overburdened Community Status 38
- L. Useful Life..... 38

SECTION 5: EVALUATION OF ENVIRONMENTAL IMPACTS 39

- A. Analysis of the Impacts 39

SECTION 6: MITIGATION 41

- A. Short-Term Construction Related Mitigation 41
- B. Mitigation of Long-Term Impacts 42
- C. Mitigation of Indirect Impacts 43

SECTION 7: PUBLIC PARTICIPATION 44

- A. Public Meeting on Project Alternatives 44
- B. Adoption of the Project Plan..... 44

FIGURES

Figure 1	Project Location Map
Figure 2	Proposed Project Area Map
Figure 3	Air Quality
Figure 4	Wetlands
Figure 5	Coastal Zones
Figure 6.1, 6.2	Gladstone FEMA Maps 1 & 2
Figure 7	Natural Rivers
Figure 8	Wild and Scenic Rivers
Figure 9	Major Surface Waters
Figure 10	Topography
Figure 11	Geology
Figure 12	Soils
Figure 13	Agricultural Resources
Figure 14	Fauna and Flora
Figure 15, 16, 17	Project Area Component Maps
Figure 18	Asset Inventory

TABLES

Table 1	Population
Table 2	Present Worth Analysis
Table 3	Environmental Evaluation
Table 4	Proposed Schedule
Table 5	Total Project Costs Funded Through DWSRF
Table 6	Current Utility Rates
Table 7	Utility Rates After Project

APPENDICES

Appendix A	Cost Estimates
Appendix B	Public Participation
Appendix C	Project Plan Resolutions
Appendix D	Project Plan Submittal Forms
Appendix E	Intent to Apply Form
Appendix F	Public Hearing Advertisement
Appendix G	Overburdened Community Status Worksheets

SECTION 1: EXECUTIVE SUMMARY

This Project Plan has been prepared on behalf of the City of Gladstone (City) in an effort to evaluate their existing water distribution systems, determine deficiencies and propose corrective action. The report has been assembled in a format to meet the requirements of the Michigan Department of Environment, Great Lakes and Energy (EGLE). It is expected this document will be submitted to EGLE as part of an application for funding assistance through the Drinking Water State Revolving Fund (DWSRF) program. The need for this study and analysis was determined by the City of Gladstone.

The City of Gladstone is located in south central Delta County in the Upper Peninsula of Michigan. The City owns its water treatment and distribution systems. The water treatment plant is a 1.5 MGD plant which includes disinfection, coagulation, sedimentation, corrosion control, taste and odor control, fluoridation, filtration and storage. The City has approximately 215,000-feet of water main, a 500,000-gallon finished water storage tank, a 1,000,000-gallon underground elevated reservoir, a 250,000-gallon elevated storage tank, one booster station and 273 fire hydrants. The City's water source is Little Bay de Noc on Lake Michigan.

The goal of the proposed project is to maintain a sustainable water distribution and raw water intake system while protecting the health and safety of the public and natural environment. Due to the age of the existing water intake, the raw water intake piping and crib have considerable deterioration. The findings from an underwater inspection are detailed later in this project plan. Although it is operating properly, the intake pipe and crib have been cited as a deficiency in the system by Michigan Department of Environment Great Lakes and Energy (EGLE) and should be replaced no later than December 31, 2025.

Additional funding is also being sought to construct a second 12-inch transmission main connecting the upper and lower service pressure district. A small portion of the existing water main will be replaced when the second 12-inch distribution main is connected. If any lead service lines are found in that area, they will be replaced. Currently there is only one 12-inch distribution main connecting the two pressure districts.

Total project cost for the recommended alternative is \$7,927,050. A project of this magnitude is not easily funded by the City through normal rates considering the existing, primarily residential, user base in the City. In addition, most of the project cost is tied to construction of the water intake. Construction of the intake cannot be phased or split into multiple projects with cost spread out over multiple fiscal years. As such, the City is requesting assistance with project funding in the form of grants to limit the impact to user rates to the greatest extent possible.

None of the considered alternatives are expected to directly impact historical, archaeological, geological, cultural, or recreational resources in the study area. Both action alternatives would have construction related temporary direct adverse impacts to air quality, noise, traffic and material consumption. The action alternatives would have a temporary positive impact on

economics through construction related employment and materials purchased. They would also have positive long-term impacts on the area's water quality due to a reliable water distribution system. It is expected that the project contract documents and required permits will mitigate any adverse short-term environmental impacts related to construction activities.

DRAFT

SECTION 2: BACKGROUND

This Project Plan has been prepared on behalf of the City of Gladstone (City) in an effort to evaluate their existing water distribution system, determine deficiencies and propose corrective action. The report has been assembled in a format to meet the requirements of the Michigan Department of Environment, Great Lakes, and Energy (EGLE). It is expected this document will be submitted to EGLE as part of an application for funding assistance through the Drinking Water State Revolving Fund program. The need for this study and analysis was determined by the City of Gladstone.

A. Study and Service Area

The City of Gladstone is located in south central Delta County in the Upper Peninsula of Michigan. The study area for this Project Plan is in the City of Gladstone, located primarily in Sections 16, 20, 21 and 22 of Township 40N Range 22W. The proposed project area is limited to Sections 21 and 22 of Township 40N Range 22W. The City is bound on the north by Brampton Township, the west by Escanaba Township and on the south and east by Little Bay de Noc on Lake Michigan. Refer to Figure 1 for a location map and Figure 2 for a proposed project area map.

B. Population

U.S. Census Bureau data shows the population for the City of Gladstone has been trending up and down since 1970 and has been very inconsistent. Using those trends would not be an accurate representation of the projected population in 20 years. The most recent data from the Census Bureau estimates a decrease in population of -0.2% from 2020 to 2021. Using the same declining trend as the census, the population has been projected through the 20-year planning period.

Area	1970	1980	1990	2000	2010	2020	2030	2040
City of Gladstone	5237	4533	4565	5032	4973	5257	5168	5081

Table 1: Population

*Data from U.S. Census Bureau for 1970-2020

C. Existing Environment Evaluation

Cultural and Historic Resources

As per the National Register of Historic Places, there are no historical and archaeological sites within the City of Gladstone. An expanded search may be required if the project is approved. All construction activities will be within the current right-of-way or under Lake Michigan.

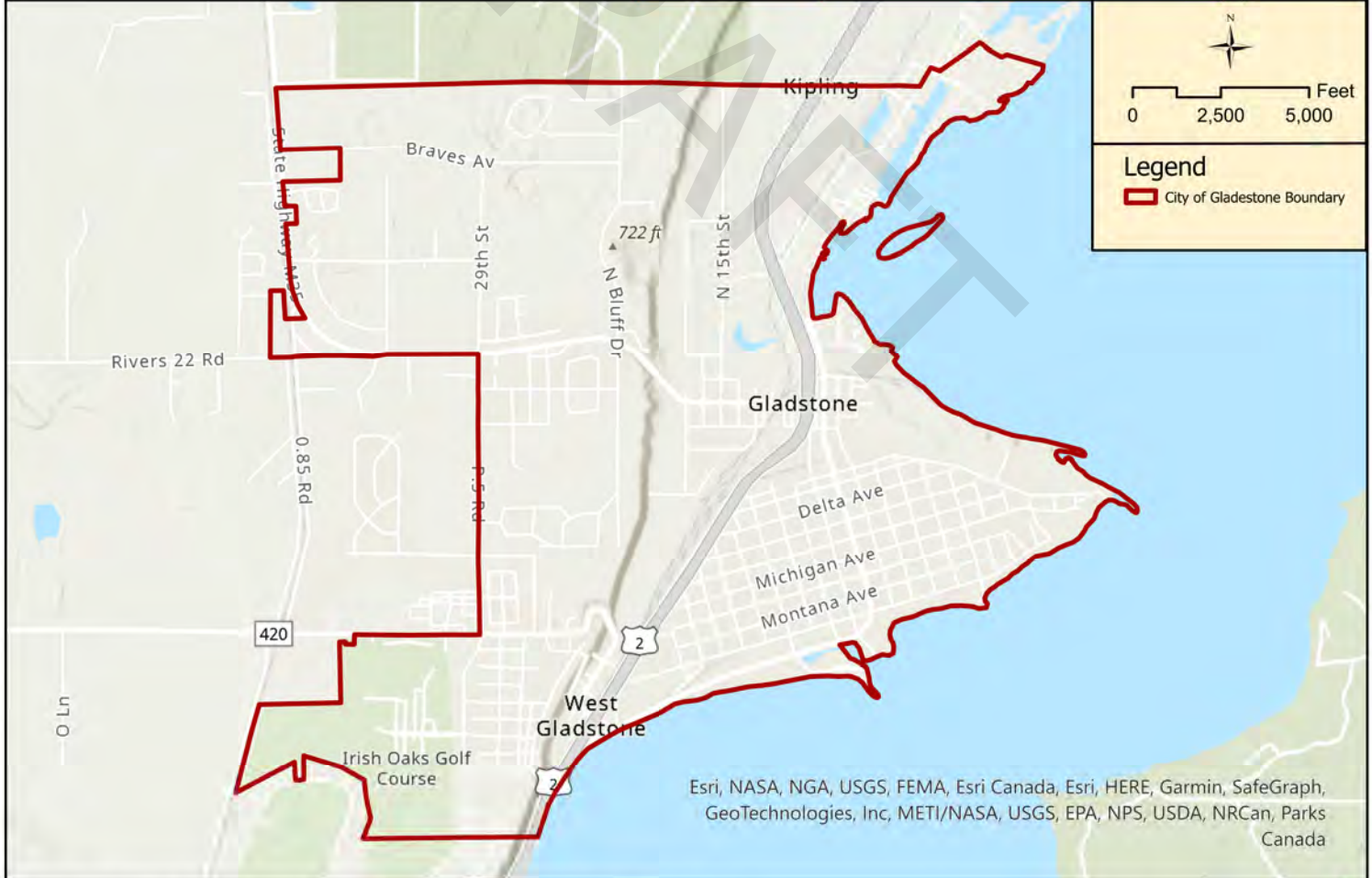


Figure 1 - Project Location Map
City of Gladstone



Legend

- Water Main and Water Intake

Esri, NASA, NOAA, USGS, FEMA, Esri Community Maps Contributors, Esri Canada, Esri, HERE, Garmin, SafeGraph, GeoTechnologies, Inc, METI/NASA, USGS, EPA, NPS, US Census Bureau, USDA, MapCan, Parks Canada

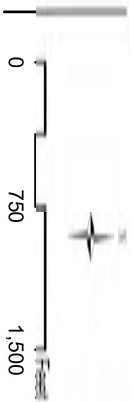


Figure 2 - Proposed Project Area Map
City of Gladstone

Air Quality

The air quality near the site is considered to be good but is site specific and has seasonal fluctuations. There are no indications in the scope of work for special air monitoring or air quality testing with the project site. Air quality impacts are not anticipated. Refer to Figure 3.

Wetlands

Impacts to wetlands will be avoided through the use of directional drilling. Permits will likely be needed for the line access to the lake. The location of wetlands is to the north and east of the site towards Lake Michigan. Refer to Figure 4.

Great Lakes Shorelands, Coastal Zones, and Coastal Management Areas

The project location does fall into parts of the Coastal Zone Management Boundary and is within the Coastal Zone Management area. Refer to Figure 5.

Floodplains

Floodplains exist on the north and east side of the project location near the shoreline of Lake Michigan. No long-term impact to the floodplain of Lake Michigan is anticipated as part of this project. Refer to Figure 6.1 and Figure 6.2.

Natural or Wild and Scenic Rivers

There are two major wild rivers in the Gladstone area. The Whitefish River is to the north and the Escanaba River is to the south. Neither river will be impacted by the construction phase of this project. Refer to Figure 7 and Figure 8.

Major Surface Waters

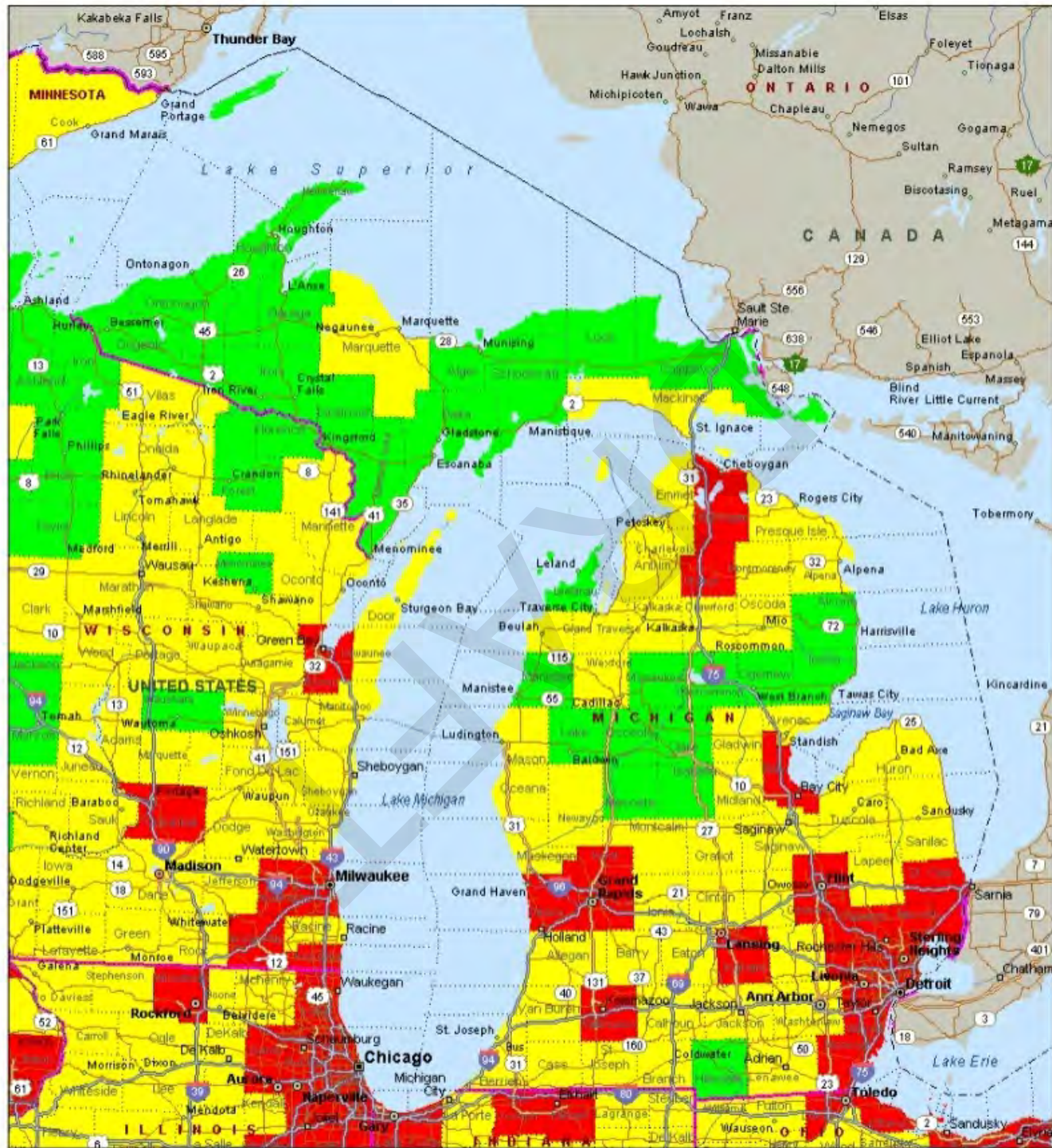
Major surface water is identified as Little Bay De Noc, a bay of Lake Michigan. Construction of the water intake will be completed under the bottom of the lake, with construction of the new water intake structure near the existing water intake. An EGLE/USACE (U.S. Army Corps of Engineers) Joint Permit is expected to be required as part of the intake's construction. Refer to Figure 9.

Topography

The City is generally flat with slight elevational fluctuations moving toward the lake front. A major vertical elevation change in the form of the Gladstone Bluff (Bluff) divides the City north to south. Elevations west of the Bluff range from 700 to 720 feet above sea level. Elevations east of the Bluff range from 580 to 610 feet above sea level. Refer to Figure 10.

Figure 3 - Air Quality

Item 10.



A = Best/Cleanest in the US; F = Worst/Dirtiest in the US.

Figure 4 - Wetlands



Figure 5 - Coastal Zones

Delta County
Brampton Township, T40N R22W
Gladstone, T40N R22W
Escanaba Township, T40N R22W
Wells Township, T39N R22W and T39N R23W
Escanaba City, T38N R22W, T38N R23W and T39N R22W

The heavy red line is the **Coastal Zone Management Boundary**
The red hatched area is the **Coastal Zone Management Area**

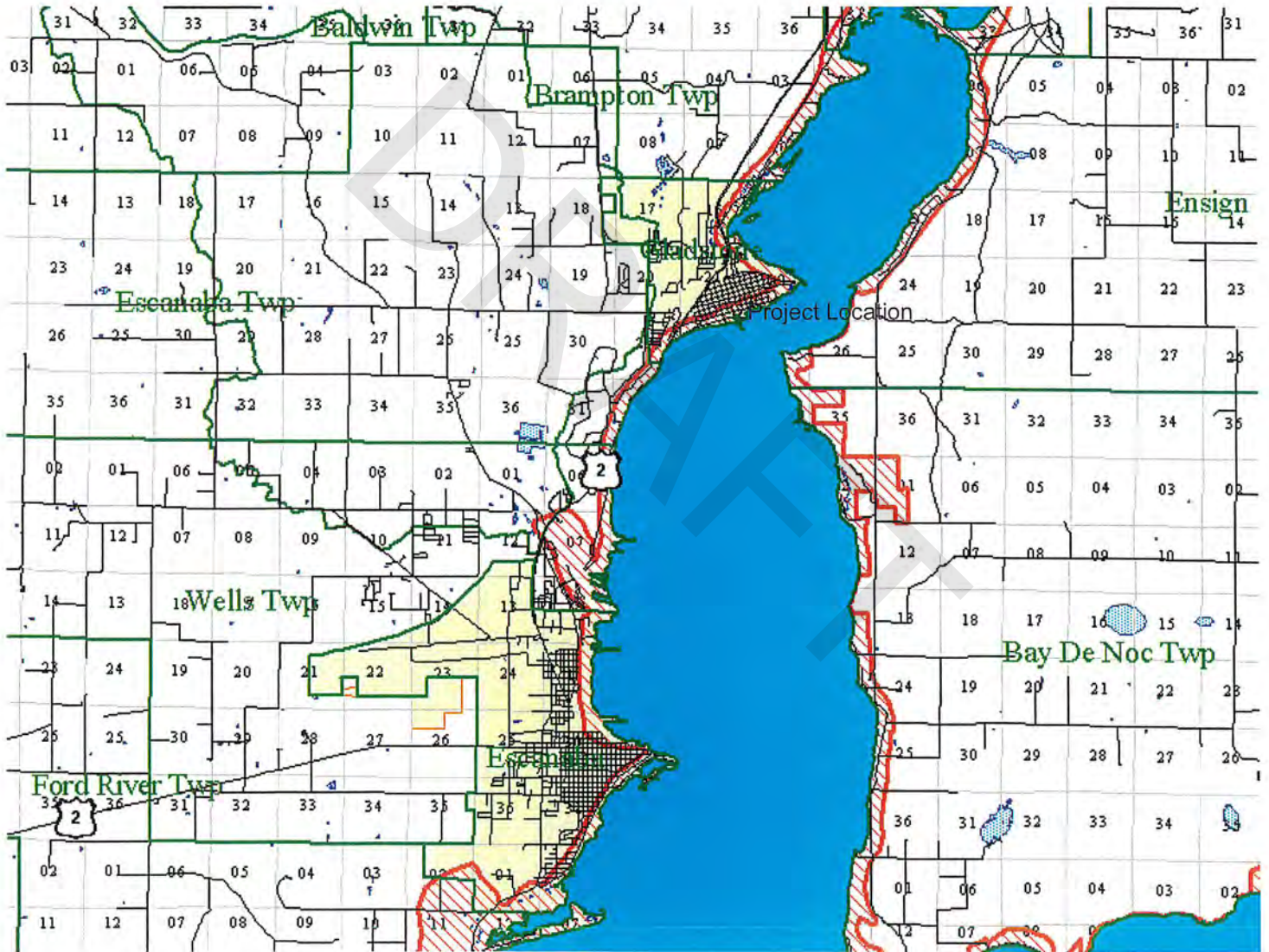


Figure 6.1 - Gladstone FEMA Map-1



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
 THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING
 DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT
[HTTPS://MSC.FEMA.GOV](https://MSC.FEMA.GOV)

	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, A0, AH, VE, AR
	Regulatory Floodway
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
	Area with Reduced Flood Risk due to Levee. See Notes. Zone X
	Area with Flood Risk due to Levee Zone D
	NO SCREEN Areas of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

NOTES TO USERS

For information and questions about this Flood Insurance Rate Map (FIRM), available products associated with this FIRM, including historic versions, the current map date for each FIRM panel, how to order products or the National Flood Insurance Program (NFIP) in general, please call the FEMA Mapping Insurance Exchange at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA Flood Map Service Center website at flood.msc.fema.gov. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the website.

Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

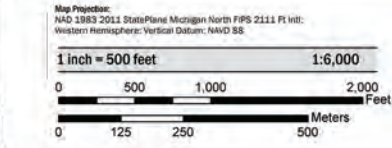
To determine if flood insurance is available in the community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

Base map information shown on this FIRM was provided in digital format by the Bureau of Indian Affairs, Little Traverse Bay Band of the Odjibwa Indians, Michigan Center for Geographic Information, U.S. Census Bureau, U.S. Geological Survey, and the United States Department of Agriculture (USDA) - National Agriculture Imagery Program (NAIP). This information was derived from digital orthophotography at a 1-meter resolution from photography dated 2015.

LIMIT OF MODERATE WAVE ACTION: Zone AE has been divided by a Limit of Moderate Wave Action (LIMWA). The LIMWA represents the approximate landward limit of the 1.3-foot breaking wave. The effects of wave hazards between Zone VE and the LIMWA (or between the shoreline and the LIMWA for areas where Zone VE is not identified) will be similar to, but less severe than, those in the Zone VE.

Limit of Moderate Wave Action (LIMWA)

SCALE



PANEL LOCATOR



**NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP**

DELTA COUNTY, MICHIGAN
 (All Jurisdictions)

PANEL 607 OF 1105



COMMUNITY	NUMBER	PANEL	SUFFIX
BRAMPTON, TOWNSHIP OF	260386	0607	D
GLADSTONE, CITY OF	260267	0607	D

VERSION NUMBER
 2.4.3.0
 MAP NUMBER
 26041C0607D
 MAP REVISED
 March 7, 2023

Figure 6.2 - Gladstone FEMA Map-2



FLOOD HAZARD INFORMATION

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT
THE INFORMATION DEPICTED ON THIS MAP AND SUPPORTING DOCUMENTATION ARE ALSO AVAILABLE IN DIGITAL FORMAT AT [HTTPS://MSC.FEMA.GOV](https://msc.fema.gov)

	Without Base Flood Elevation (BFE) Zone A, V, A99
	With BFE or Depth Zone AE, AH, AL, VE, AR
	Regulatory Floodway
	0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
	Future Conditions 1% Annual Chance Flood Hazard Zone X
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	Area with Flood Risk due to Levee Zone D
	NO SCREEN Areas of Minimal Flood Hazard Zone X
	Area of Undetermined Flood Hazard Zone D
	Channel, Culvert, or Storm Sewer
	Levee, Dike, or Floodwall
	Cross Sections with 1% Annual Chance Water Surface Elevation
	Coastal Transect
	Coastal Transect Baseline
	Profile Baseline
	Hydrographic Feature
	Base Flood Elevation Line (BFE)
	Limit of Study
	Jurisdiction Boundary

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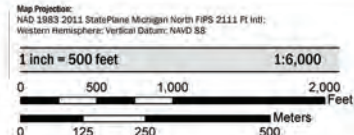
Communities annexing land on adjacent FIRM panels must obtain a current copy of the adjacent panel as well as the current FIRM index. These may be ordered directly from the Flood Map Service Center at the number listed above.

For community and countywide map dates refer to the Flood Insurance Study Report for this jurisdiction.

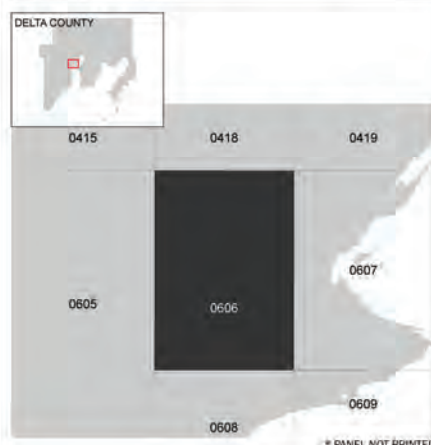
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SCALE



PANEL LOCATOR



FEMA
 National Flood Insurance Program

**NATIONAL FLOOD INSURANCE PROGRAM
 FLOOD INSURANCE RATE MAP**

DELTA COUNTY, MICHIGAN
 (All Jurisdictions)
 PANEL 606 OF 1105



Panel Contain(s):

COMMUNITY	NUMBER	PANEL	SUFFIX
BRAMPTON, TOWNSHIP OF	260386	0606	0
ESCANABA, TOWNSHIP OF	260387	0606	0
GLADSTONE, CITY OF	260267	0606	0

VERSION NUMBER
2.4.3.0
 MAP NUMBER
26041C0606D
 MAP REVISED
March 7, 2023

Figure 7 - Natural Rivers

MICHIGAN'S DESIGNATED NATURAL RIVERS



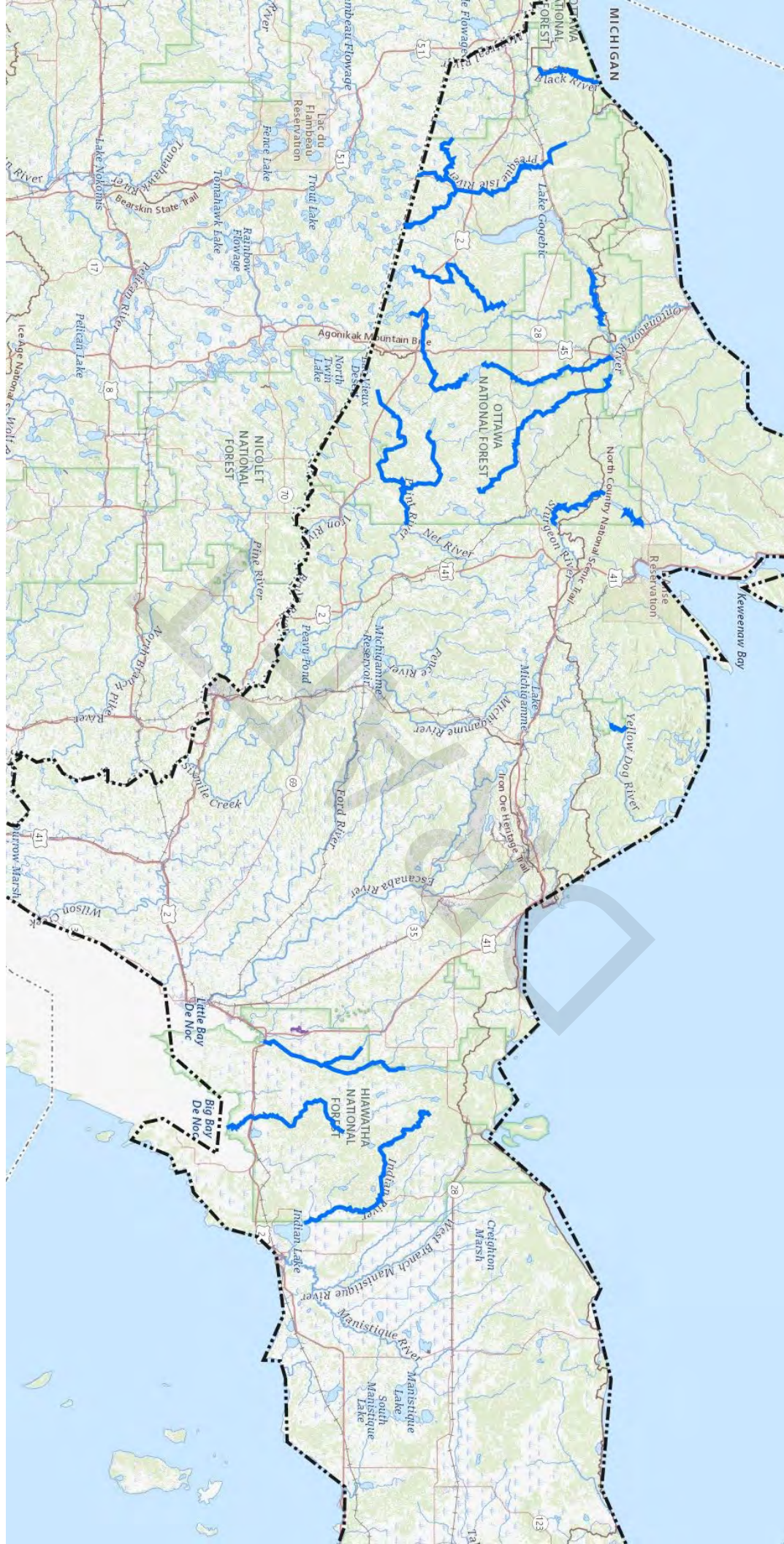


Figure 8 - Wild and Scenic Rivers

Figure 9 - Major Surface Waters



Figure 10 - Topography

Item 10.



Mercator Projection
WGS84
UTM Zone 16T
 CALTOPO

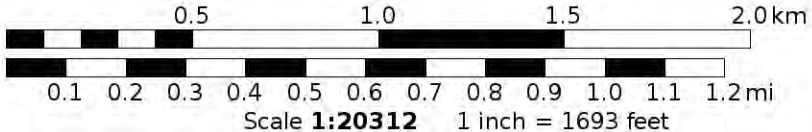


Figure 10

Geology

Geologic information of the site location indicates a composition of glacial outwash, sand, gravel and post glacial alluvium. Refer to Figure 11.

Soil Types

Soil types in the proposed project location consist of previously disturbed and developed lands. Soils include wetland soils, sand, muck, peat and marl. Refer to Figure 12.

Agricultural Resources

Agricultural land is not anticipated to be impacted by the project. It does not appear there will be any long-term significant negative impact on these resources due to the project construction. Refer to Figure 13.

Fauna and Flora

Fauna and flora mainly consist of white pine and white oak at, or close to, the areas of watermain construction. Wetland locations are also within the project areas near the location of the water intake. Impacts to existing wetlands will be minimized through the use of directional drilling techniques. Refer to Figure 14.

Figure 11 - Geology



April 21, 2023

- Quaternary Geology
- Peat and muck
- Postglacial alluvium
- Dune sand
- Lacustrine clay and silt
- Lacustrine sand and gravel
- Glacial outwash sand and gravel and postglacial alluvium
- Ice-contact outwash sand and gravel
- Fine-textured glacial till
- End moraines of fine-textured till
- Medium-textured glacial till
- End moraines of medium-textured till
- Coarse-textured glacial till
- End moraines of coarse-textured till
- Thin to discontinuous glacial till over bedrock
- Artificial fill
- Exposed bedrock surfaces
- Water

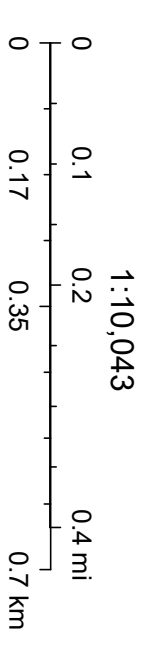
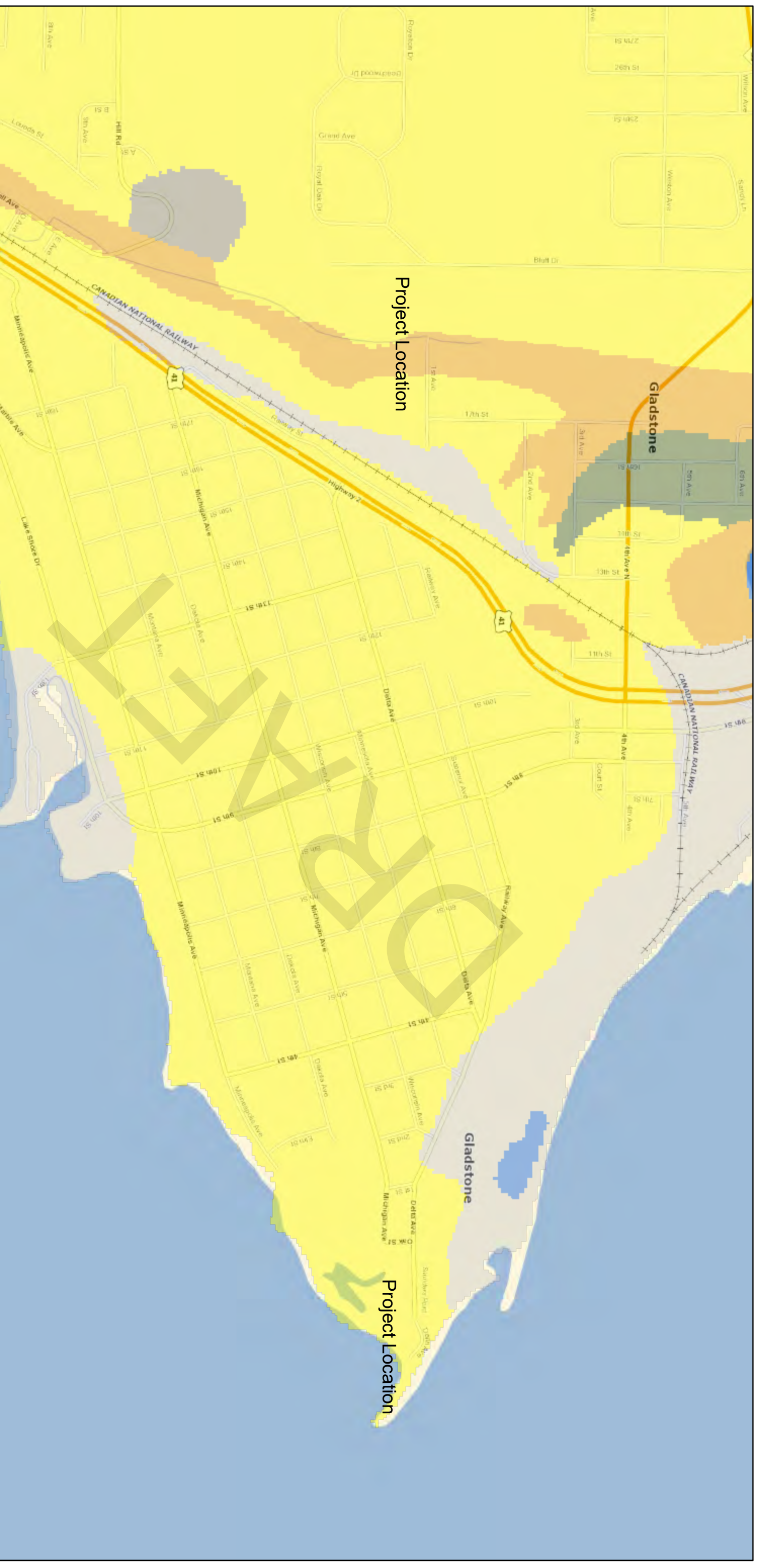




















Figure 12 - Soils



April 21, 2023

Soils SSURGO 10 Meter Grid

- | | | | | | | | |
|--|---------------------------------------|---|--------------|--|-----------------|---|------------------|
|  | Area Not Mapped |  | Water |  | Sandy Loam |  | Silty Clay Loam |
|  | Pits, Quarries, Mines |  | Rock Outcrop |  | Loam |  | Silt Clay |
|  | Landfill, Made Land, Disturbed, Other |  | Other |  | Silt Loam |  | Clay |
|  | Urban Land |  | Sand |  | Sandy Clay Loam |  | Muck, Peat, Marl |
| | |  | Loamy Sand |  | Clay Loam | | |

1:10,043

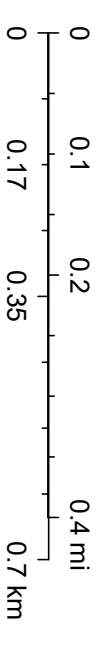




Figure 13 - Agricultural Resources

CDL2022 Area of Interest



Land Cover Categories
(by decreasing acreage)

- AGRICULTURE
- Grass/Pasture
- Alfalfa
- Rye
- Oats
- Clover/Wildflowers
- Other Hay/Non Alfalfa
- NON-AGRICULTURE*
- Developed/Medium Intensity
- Developed/Low Intensity
- Woody Wetlands
- Developed/Open Space
- Developed/High Intensity
- Deciduous Forest

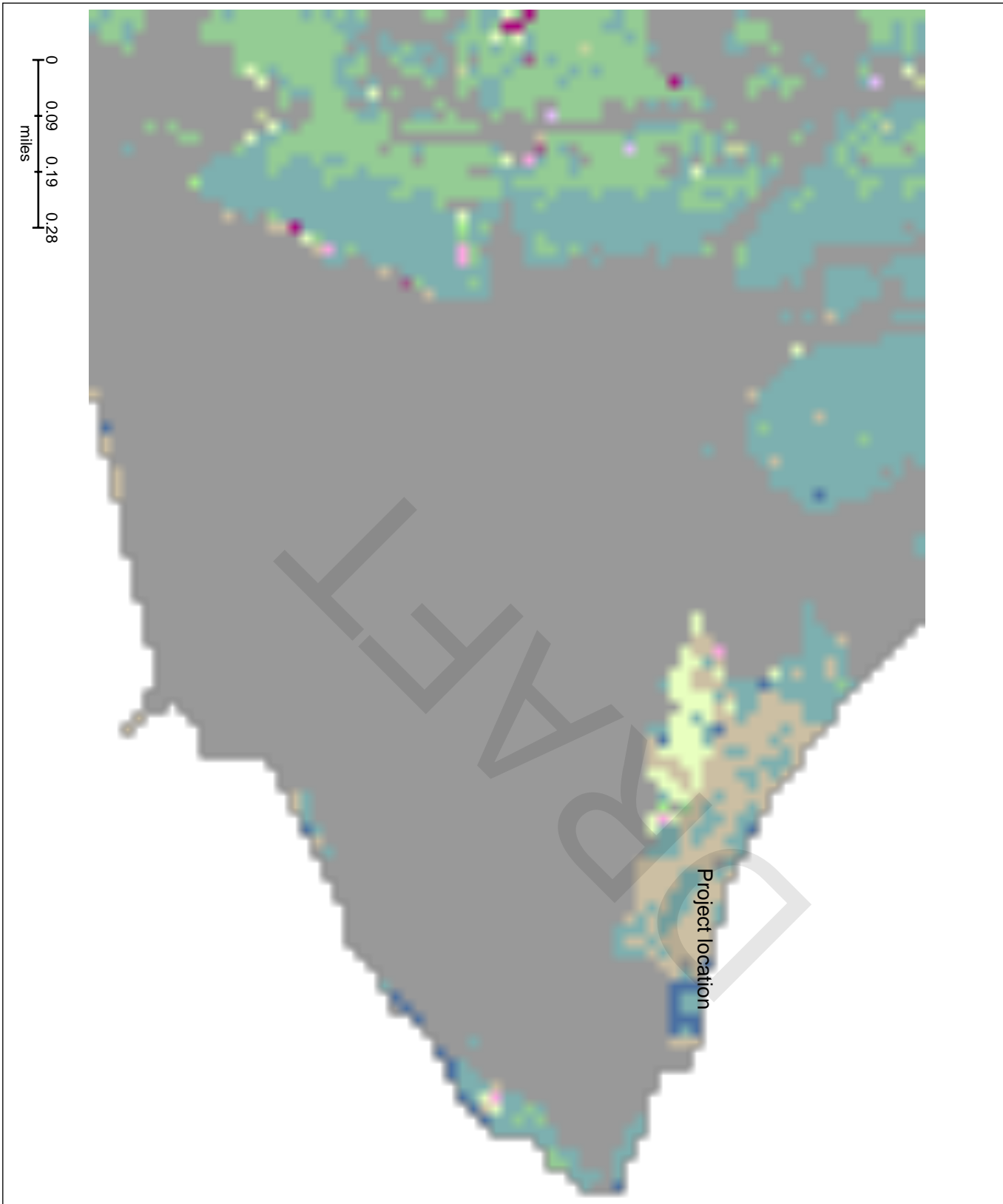


Figure 14 - Fauna and Flora



D. Existing System

Water System

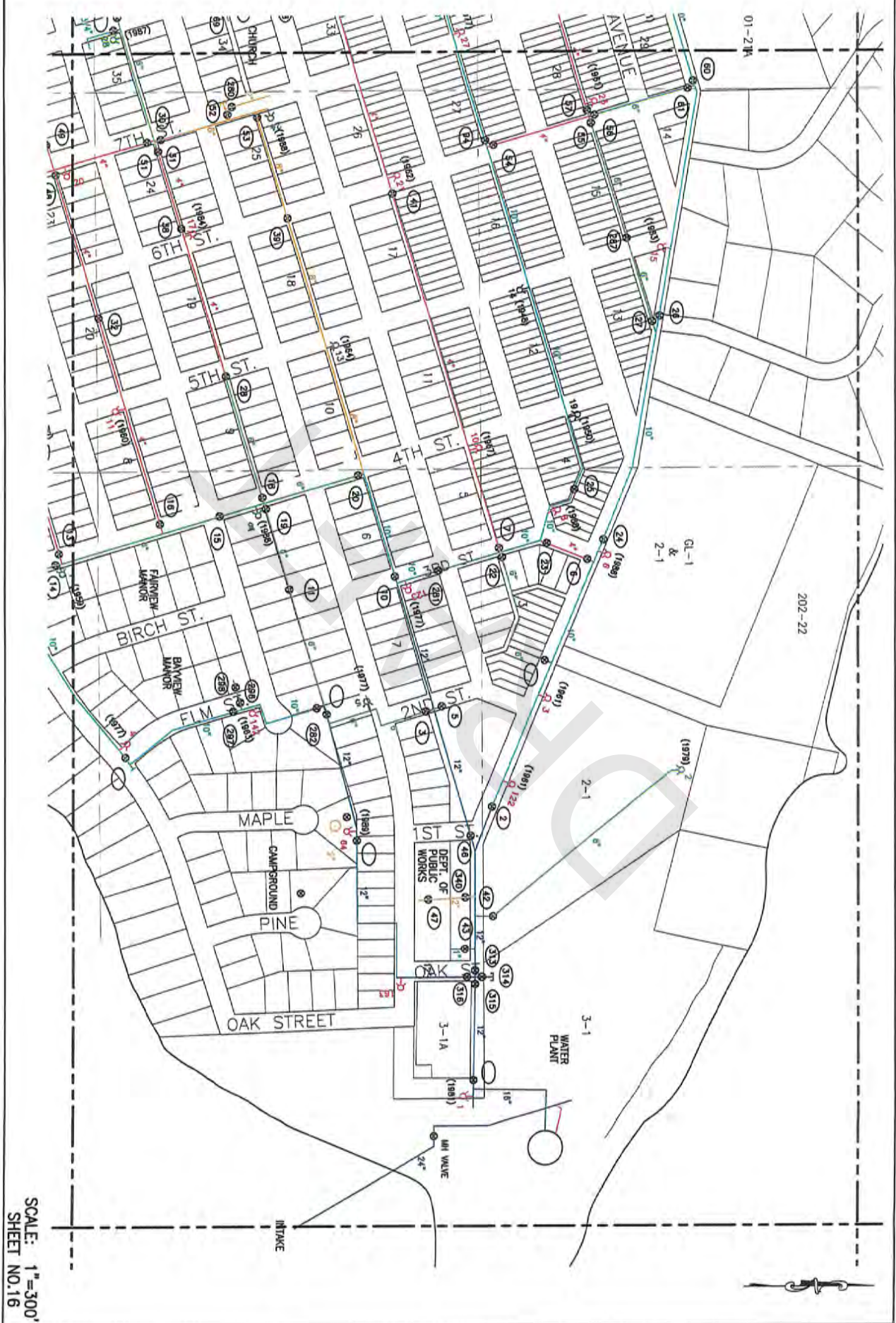
The City of Gladstone owns and operates a public water system which provides potable water to residents within the city limits. There are two (2) metered customers outside of the city limits supplied with water. The system draws raw water from Little Bay de Noc on Lake Michigan through a 24-inch intake pipe and built in crib arrangement. Surface water is treated in a 1.5 MGD conventional surface water treatment plant that utilizes coagulation, flocculation, sedimentation, filtration, disinfection and treated water storage.

The existing distribution system consists of approximately 215,000-feet of 4-inch to 12-inch water main, a 500,000-gallon finished water ground tank, a 1,000,000-gallon underground reservoir, a 250,000-gallon elevated tank and a booster station near the industrial park. Refer to Figure 15, 16 and 17 for project area components maps.

The Gladstone service area operates in two separate pressure districts. Water produced at the City treatment plant flows from the existing finished water storage tank to the 1,000,000-gallon underground storage tank which services the eastern portion of the City, built below the Gladstone Bluff (Bluff) and generally includes the easterly 50% of the City service area. The Bluff booster pump station draws suction from the ground storage reservoir and pumps to a 250,000-gallon elevated tank. This is the elevated storage for the upper pressure district. The Bluff booster pump station is a 1.5 MGD firm capacity pump station upgraded in 1997. The ground storage structure is approximately 85 years old, and the elevated tank is approximately 40 years old.

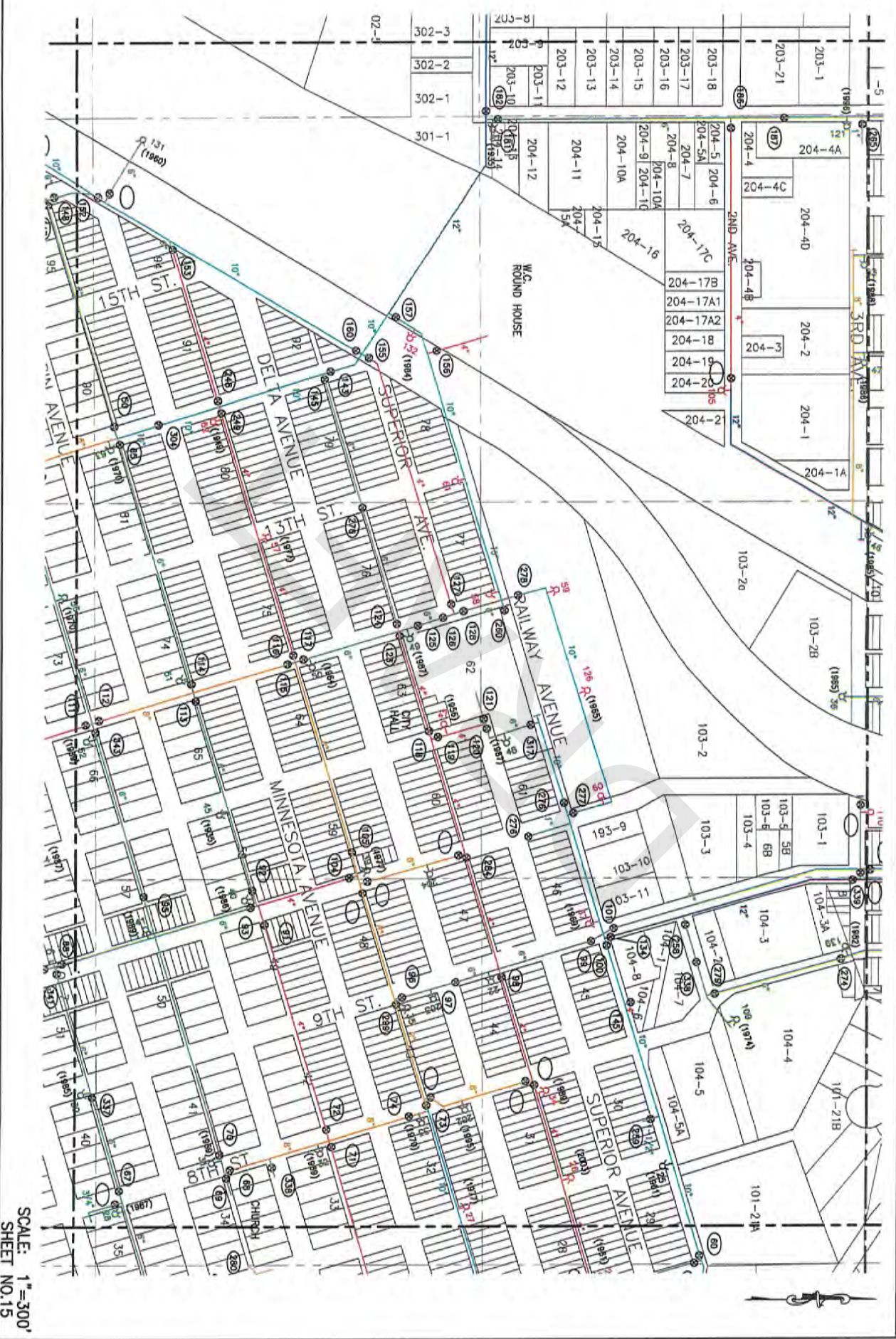
Intake and Crib.

The original raw water intake is a 24-inch inner dimension wood stave pipe and was constructed in 1887. In 1924, a section of the shore portion was replaced with 24-inch steel pipe. The shore portion of the pipe is 14-inch in diameter, connecting the shore well to the 24-inch steel pipe. The condition of the stave pipe and crib structure are summarized in an inspection report from Underwater Construction Corporation dated July 22, 2019. The intake crib is still in service but in poor condition, with screens no longer in place. The crib is a 5-foot square and sits approximately 3 feet, 9 inches above the surrounding lake bottom at a depth of 45 feet. There are four (4) anchor cables on each corner, connected 18 inches below the top, running into the lake bottom. The side consists of horizontal 2-inch by 6-inch planks with 2 inches of spacing between them. The planks are thin and weak and could be moved easily. The top of the crib is made up of 2-inch by 10-inch planks with a 24-inch diameter hole cut out for the intake pipe. All planks are present and gaps up to 3/4-inch have developed. The intake pipe is open to the lake and has no protective screens or grating. There is 100% coverage of zebra mussels inside the pipe, reducing the inside diameter.



SCALE: 1"=300'
SHEET NO.16

Figure 15 - Project Area Component Map



SCALE: 1"=300'
SHEET NO.15

Figure 16 - Project Area Component Map



Figure 17 - Project Area Component Map

The intake pipeline is a 24-inch diameter wooden stave pipe and appears to be in fair condition for its age. The wooden stave pieces are in good condition and tightly jointed. There are steel hoop bands every 12 inches on the exposed pipeline. Of the 935 feet of exposed pipeline inspected, seven (7) openings were documented. The openings range in size from a 1-inch hole to a gap 14 inches long by 3 inches wide.

The intake is connected to a rectangular concrete shore well, which is 55 feet long by 15 feet wide and has a side water depth (SWD) between 6 and 10 feet. The shore well is constructed to accept baffling and the concrete is in fair condition.

Surface water is treated in a 1.5 MGD conventional surface water treatment plant that utilizes coagulation, flocculation, sedimentation, filtration, disinfection and treated water storage. Treated water is pumped to the distribution system through a single 12-inch ductile iron water main.

Pipe materials for the distribution lines consist of cast iron, ductile iron and HDPE. Sizing is as follows.

	<u>Ductile/Cast Iron</u>	<u>HDPE</u>
12-inch:	29,324 ft.	880 ft.
10-inch:	55,903 ft.	395 ft.
8-inch:	30,099 ft.	
6-inch:	80,536 ft.	245 ft.
4-inch:	17,664 ft.	

The condition of the distribution system piping has been summarized in the City of Gladstone Asset Management Plan (AMP). The City has summarized the condition, based on the installation year of the main and valve. Groups 1, 2, 3 and 4 (1880–1959) show moderate deterioration; groups 5, 6 and 7 (1960–1989) show minor deterioration; and groups 8, 9 and 10 (1990–present) are considered in excellent condition. Refer to Figure 18 for asset inventory.

E. Need for the Project

Compliance Status

The City's water treatment plant operates in accordance with water supply serial number WSSN: 02640.

EGLÉ conducted a Water System Sanitary Survey (Survey) on March 9, 2022. Based on that inspection, the City has received a letter from EGLÉ dated May 12, 2022, stating that the intake crib and pipeline must be replaced to resolve deficiency by December 31, 2025.

Deficiencies indicate non-compliance with Act 399. The following deficiencies were identified during the survey:

1. R 325.10907: Intake inlet and pipeline
Rule 907(3) requires that the intake pipeline shall be constructed to reasonably protect against physical hazards associated with the surface water source. The most recent inspection report indicates the intake crib is in poor condition. Portions of the intake pipe are exposed on the lakebed and holes were observed in the exposed pipe. Zebra mussel colonization was observed on the intake crib and pipe. Replacement of the intake is identified as a fiscal year 2025 capital improvement project. To resolve this deficiency, complete replacement of the intake crib and pipeline must be completed no later than December 31, 2025.
2. R325.11112: Storage tanks generally; R325.11113: Gravity storage tanks
Rule 1112 states storage tanks shall have no unprotected openings. Rule 1113 states gravity storage tanks shall have a vent of sufficient size. Per Ten States' Standards, section 7.0.7, overflow pipes shall be fitted with 24-mesh non-corrodible screen. Use of a solid flapper or duckbill valve should be considered to minimize air movement and ice formation. Per section 7.0.8, access hatches to the tank's wet interior shall be fitted with a watertight cover which overlaps the framed opening and extends down around the frame by at least two inches. Per section 7.09, vents shall be fitted with 24-mesh non-corrodible screen. Elevated tanks shall also be fitted with a pressure/vacuum-style vent.

29th Street elevated tank and the North Bluff Drive ground level tank were cited with having deficiencies. Those deficiencies are being corrected under a separate contract for repair and are not included in this Project Plan document. Construction on these repairs is planned for the summer of 2023.

Although not cited as a deficiency in the transmission/distribution system, there is only one (1) 12-inch transmission pipe connecting the storage tank located on the Bluff to the lower pressure district. This pipe also serves as the feed pipe to the storage tank from the water treatment plant. If this pipe fails, the City has contingency plans in place to provide water to the lower district. There is no contingency plan in place to service the upper

pressure district should a break in the existing transmission main occur. A break at this location will most likely result in a loss of water service to the upper pressure district until repairs can be made. The second 12-inch transmission pipe, included in the Project Plan, is to enhance water service and operational stability in the system.

Orders

There are currently no court orders, Federal or State enforcement orders, or administrative consent orders against the City of Gladstone's water treatment plant or distribution systems.

Water Quality Problems

The ultimate goal of the proposed project is to maintain a sustainable water intake, distribution and treatment system while protecting the health and safety of the public and natural environment. Due to the age of the intake pipe and crib structure there has been significant deterioration observed. The addition of a second 12-inch distribution pipe from the ground finished water storage tank would provide a more resilient distribution system providing potable water to Gladstone residents.

Projected Needs

Through the development of the Water Asset Management Plan and Capital Improvements Plan, the City has identified the areas of the water intake and distribution system that need upgrading. The current treatment plant system relies on a 24-inch wood stave pipe and intake crib installed in 1887, along with the shore portion of 24-inch steel pipe upgraded in 1924.

It has been determined that the addition of 3,200 feet of 12-inch water transmission main to the City's storage tank would provide a redundant water supply line to the city water tank.

Future Environment without the Proposed Project

The primary purpose of the proposed project is to replace failing water infrastructure. This will protect surface water quality and public health. Without the project, water intake could have debris issues, as there is currently no screening or grate protection on the crib structure. Corrective maintenance will consume City staff time and resources. Failure of the 12-inch transmission pipe feeding the storage tank will lead to service interruptions, as well as reduced fire protection flows. In the end, the proposed project will help provide a safe, reliable water treatment plant raw water supply and a more reliable distribution system to the City's customers.

F. Projected Future Needs

The City of Gladstone has completed an Asset Management Plan (AMP) for inventoried assets in the water treatment, distribution and treated water storage systems. Listed in the Replacement and Capital Improvements Plans are various assets projected for

replacement. The Replacement Plan concentrates on assets to be replaced within 5 (five) years. The Capital Improvements Plan has a 5-year and a 20-year schedule. Lead service lines will also need to be replaced to meet State of Michigan mandates and the City has identified approximately 381 potential lead services that are not included as part of this project.

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SECTION 3: ANALYSIS OF ALTERNATIVES

A. Identification of Potential Alternatives

No Action

The no action alternative would save the City a large amount of capital investment. However, this option would result in adverse impacts to the City and its water and customers. Those negative impacts include the following:

- decreased reliability in aging infrastructure, resulting in more water disruptions to customers;
- increased maintenance required on intake pipe and crib, resulting in higher pumping and treatment costs;
- increased intake water loss from obstructed piping and crib, resulting in higher pumping and treatment costs;
- reduced reliability due to only having one 12-inch transmission pipe to and from the finished water storage tank; and
- higher costs associated with dealing with repairs on an emergency basis.

It is due to these reasons that the City of Gladstone has deemed the No Action alternative not feasible, because it will not address long-term sustainability to the water distribution systems.

System Rehabilitation

This alternative involves relining the existing intake pipe. Any relining of the intake would require that the existing pipe be structurally sound enough to allow relining and that contractors would be able to access the end of pipe 40-feet below the lake surface. This alternative would do nothing to address the reliability of the existing 12-inch transmission main to and from the treated water storage tank.

System Replacement

This alternative would replace approximately 1,850-feet of 24-inch water intake pipe through directional drilling. A new Clear Well Structure would be constructed. An additional 12-inch transmission main would be installed supplying water to and from the treated water storage tank. A small portion of the existing water main will be replaced when the second 12-inch distribution main is connected. If any lead service lines are found in that area, they will be replaced.

Optimum Performance of Existing Systems

Optimization of existing facilities without capital improvements will not restore service life to the water distribution and treatment systems. There are no operational changes or additional training for operating personnel that would optimize the current intake and crib structures.

Regional Alternatives

Regional alternatives have been considered in the past and would consist of a connection to the neighboring City of Escanaba, Michigan, located 3.5 miles to the southwest, or Rapid River, located 5 miles to the northeast. Connection to Escanaba has been eliminated as a regionalization alternative due to the as a lack of treatment capacity at the existing City of Escanaba water treatment plant and the long transmission distance between the two cities. Rapid River does not operate a municipal water system. Regional alternatives would not address the old water mains, some of which have been in service since before 1900, or the need for a new redundant transmission main.

B. Analysis of Principal Alternatives

The three principal alternatives that were considered include:

1. **No Action:** This alternative would do nothing to put the City in compliance with the deficiency cited during the inspection conducted by EGLE on March 9, 2022. Based on that inspection, the City has received a letter from EGLE dated May 12, 2022, stating that the intake crib and pipeline must be replaced to resolve deficiency by December 31, 2025.
2. **System Rehabilitation:** This alternative involves relining of the existing intake pipe. Any relining of the intake would require that the existing pipe be structurally sound enough to allow relining and that contractors would be able to access the end of pipe 40-feet below the lake surface. This alternative would do nothing to address the reliability of the existing 12-inch transmission main to and from the treated water storage tank.
3. **System Replacement:** This alternative involves replacement of the existing 24-inch water intake, new crib structure, new clear well structure and the addition of a 12-inch transmission pipe to and from the treated water storage tank. A small portion of the existing water main will be replaced when the second 12-inch distribution main is connected. If any lead service lines are found in that area, they will be replaced.

Alternative 1: No Action

The water intake system will continue to deteriorate as time passes. The crib structure currently does not have any screening mechanisms. The no action alternative would not put the City in compliance with the letter issued by EGLE dated May 12, 2022, stating that the intake must be replaced by December 31, 2025. Drinking water quality will suffer and available fire flows will continue to decrease as the system ages.

It was for these reasons that the no action alternative was deemed not feasible.

Alternative 2: System Rehabilitation

This alternative involves relining of the existing intake pipe. Any relining of the intake would require that the existing pipe be structurally sound enough to allow relining and that contractors would be able to access the end of pipe 40-feet below the lake surface.

Relining will extend the life of a pipe, but it is quite possible the pipe will still fail within the life of the Drinking Water State Revolving Fund (DWSRF) loan. Overall, pipe relining is very expensive; the cost per foot is much greater than it would be for standard replacement. Another issue is when there are good and bad segments in a run of pipe; a run of pipe cannot be relined unless the entire pipe is still structurally sound. This alternative does not yield the same quality and useful life as pipe replacement would.

This alternative would do nothing to address the reliability of the existing 12-inch transmission main to and from the treated water storage tank.

See Appendix A for a cost estimate of this alternative.

It was for these reasons that the system rehabilitation alternative was not chosen.

Alternative 3: System Replacement

This alternative would replace approximately 1,850-feet of 24-inch water intake pipe through directional drilling. A new clear well structure would be constructed. An additional 12-inch transmission main would be installed, supplying water to and from the treated water storage tank. A small portion of the existing water main will be replaced when the second 12-inch distribution main is connected. If any lead service lines are found in that area, they will be replaced.

This alternative achieves all the goals of the project and does it in the most cost-effective way. Pipe replacement will give the City the longest useful life out of its pipes. This alternative is also the least expensive, so it will yield smaller user rate increases and will not be as much of a financial burden to the City's customers. Refer to user costs in the selected alternative section for user rate increases.

See Appendix A for a cost estimate of this alternative.

This is why the system replacement alternative was chosen as the preferred option.

C. Monetary Evaluation

Table 2: Present Worth Analysis

Description	Alternative 2	Alternative 3
Capital Costs	\$10,212,450	\$7,927,050
Annual O & M	\$1,442,056	\$1,442,056
Future Salvage Value	\$0	\$0
Present Worth of O & M	\$22,480,445	\$22,480,445
Present Worth of Salvage Value	\$0	\$0
Total Present Worth	\$32,692,895	\$30,407,495

Note: Federal discount rate of 2.5% for water resources projects was used.

Sunk Costs

Financial commitments made before and during the project planning have not been included in the project cost or cost-effectiveness analysis. The existing facilities and land have been under City control for many years and existing bond indebtedness, if any, has not been included in the cost-effectiveness analysis for the various alternatives. The Project Plan preparation costs have also not been included in the cost-effectiveness analyses.

Present Worth

Present worth is the sum that if invested now at a given interest rate, would provide exactly the funds required to pay all present and future costs. A present worth analysis was used in the monetary evaluation of the alternatives. A planning period of 20 years and a real discount rate of 2.5% was used for this analysis.

Salvage Value

Salvage value is assumed to be \$0. Once a piece of pipe is put in the ground it no longer has a monetary value.

Escalation

Cost estimates for each alternative were done in 2025 dollars and no cost escalator was used.

Interest During Construction

Interest during construction was not applied in the present worth analysis.

Mitigation Costs

No significant structural or nonstructural mitigative measures are expected to be needed for long-term implementation of the project. Temporary construction control measures, such as limiting working hours and installation of soil erosion and sedimentation control measures, are planned to minimize short-term environmental impacts of the construction activities. Short-term mitigation measures have been accounted for in the cost estimates.

User Costs

Refer to user costs in the selected alternative section for details on what the proposed project will do to the City's utility rates.

Delivery Method

The proposed project is intended to be delivered using the design-bid-build delivery method.

D. Partitioning the Project

The City has identified that the project to replace the raw water intake and crib needs to be completed in its entirety to correct the deficiencies identified in the EGLE letter dated

May 12, 2022. The 12-inch transmission main would provide a more reliable distribution system and should be completed in this project. Disruption to the customers would be minimal.

E. Environmental Evaluation

Table 3 summarizes the potential environmental impacts due to each alternative.

Table 3: Environmental Evaluation

Category	Alternative 1 No Action	Alternative 2 System Rehabilitation	Alternative 3 System Replacement
Historical/Archaeological	1	1	1
Air Quality	1	1	1
Wetlands	1	1	1
Coastal Zones	1	1	1
Floodplains	1	1	1
Natural or Wild and Scenic Rivers	1	1	1
Surface Waters	2	1	1
Recreational Facilities	1	1	1
Topography	1	1	1
Geology	1	1	1
Soils	2	1	1
Agricultural Resources	1	1	1
Sensitive Habitats	1	1	1
Threatened/Endangered Species	1	1	1
Unique Features	1	1	1
Total	17	15	15

1 = No Impact, 2 = Some Impact, 3 = Most Impact

None of the considered alternatives are expected to result in long-term impact to historical, archaeological, geological, cultural or recreational resources in the study area. Both action alternatives would have temporary construction related direct adverse impacts to air quality, noise, traffic and material consumption. The action alternatives would have a temporary positive impact on economics through construction related employment and materials purchased. They would also have positive long-term impacts on the area water quality due to a reliable water distribution system.

F. Implementation and Public Participation

The City of Gladstone has completed construction projects over the past several decades. All projects are openly discussed at public council and board meetings. The Project Plan

will be advertised and displayed for citizen review ten (10) days prior to the public hearing.

G. Technical and Other Considerations

Reliability

Reliability is a big reason why the proposed project is needed. Reliability of the City's water systems will be improved by eliminating some of the structural deficiencies. This will mean less time and money spent on maintenance by the City and fewer service interruptions to the City's utility customers.

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SECTION 4: SELECTED ALTERNATIVE

A. Relevant Design Parameters

The selected alternative is alternative 3: system replacement. This alternative will replace approximately 1,850 feet of raw water intake, crib structure, clear water tank and 3,200 feet of new 12-inch water transmission main providing a more reliable distribution system. Associated valves and lead water service lines will be replaced in conjunction with the water main. All work is expected to take place within existing public right-of-way with the exception of the private side lead water service line replacements. In accordance with current engineering standards, 12-inch piping will be installed. Construction will consist of open trench excavation and installation of water mains and associated valves. Any lead water service lines encountered will be replaced and restoration of surface features will be performed.

B. Design Criteria

Water System

Design criteria will be in accordance with “Recommended Standards for Water Works – 2012” (Ten States Standards); Michigan’s requirements under the Clean Water Act, Act 399 P.A. 1976; and EGLE’s requirements of 100 gallons per inch diameter per mile per day allowable leakage. The following general criteria should also be observed for water distribution systems.

- A minimum pipe size diameter of six (6) inches is required on all municipal water lines (water lines which provide fire protection)
- Operating pressures: 35 psi minimum, 150 psi maximum, 20 psi minimum residual during fire flow
- Fire flow: residential 750 GPM, commercial/industrial 2,000 GPM, duration 2 hours
- Water mains shall be subjected to pressure and leakage testing in accordance with AWWA C600
- Minimum storage: Average daily demand.

C. Project Maps

Refer to Figure 2.

D. Controlling Factors

Access to construction sites is readily available and should not impact construction activities. Coordination will be required with residents and business owners to ensure access will be maintained to homes and businesses during construction. The high

groundwater table in the area may require dewatering during construction but is common in the area and can be handled by competent contractors.

Planning and design will be done in accordance with the following applicable industry standards:

- AWWA Standards,
- “Ten States” Standards,
- EGLE and USACE permitting requirements,
- SHPO and THPO requirements, and
- City utility and road standards.

E. Special Assessment District Projects

The special assessment district is not applicable to this project.

F. Sensitive Features

Landward construction will take place in areas that have been previously developed. This will prevent any environmentally sensitive features from being impacted. Where environmental risks are present, the construction contract documents will require detailed mitigation measures. Water and environmental permitting will provide coordination with the regulatory agencies during the design process.

G. Schedule for Design and Construction

The following table shows the proposed schedule.

Table 4: Proposed Schedule

Task	Date
Notice of Intent to Apply	October 2022
Disadvantaged Status Form	March 2023
Draft Project Plan Submittal	May 2023
Advertise for Public Hearing	May 2023
Hold Public Hearing	May 2023
Submit Final Project Plan	June 2023
Project Priority List Announcement	September 2023
Milestone Schedule	October 2023
EA and FONSI	April 2024
Rate Methodology	April 2024
Plans and Specs Draft to EGLE	April 2024
Part I Application	May 2024
Part II Application	May 2024
Advertise for Bids	May 2024

Bid Open	June 2024
Part III Application	July 2024
Loan Closing	August 2024
Construction Award	September 2024
Construction Completion	November 2025

H. Cost Summary

Table 5: Total Project Costs Funded Through DWSRF

Total Water Related Costs	\$7,927,050
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Refer to Appendix A for a detailed project cost estimate.

I. Authority to Implement the Selected Alternative

The City of Gladstone has successfully implemented numerous public works projects and has proven it has the legal, institutional, financial, and managerial resources to accomplish completion of the proposed alternative.

J. User Costs

The City plans to use water user charges to repay the debt for the proposed project. A summary of the water user costs before and after the project is presented in Table 6 and Table 7. These costs are based on the average usage of a residential customer. Average residential usage from City billing records was determined to be 2,774 gallons per month for water. The City has approximately 2,230 residential and commercial water users.

Table 6: Current Utility Rates

Description	Water
Fixed Charge	\$14.75
Commodity Charge per 1000 gal.	\$5.70
Total Monthly Charge	\$30.56

The City is requesting a 30-year loan term from EGLE. For the purpose of this report, assumed loan terms of 2.75% interest for 20 years was used in the user cost analysis.

The following table shows the estimated rate increases required to cover the loan payments.

Table 7: Utility Rates After Project

Description	Water
Project Cost Funded Through SRF	\$7,927,050
Annual Payment – 2.75% for 20 Years	\$520,583
Monthly Increase per Residential User	\$16.94
Total Monthly Charge Before Project	\$30.56
Total Monthly Charge After Project	\$47.50

K. Overburdened Community Status

The Overburdened Status and Significantly Overburdened Community Status Determination worksheets were submitted to EGLE in March of 2023. At the time of report writing, it is assumed that the City is considered overburdened. Refer to Appendix G.

L. Useful Life

The project will install ductile iron pipe for water main, copper pipe for the water services and HDPR pipe for the water intake. These materials all have a useful life of 100 years, which is much longer than the DWSRF loan terms.

SECTION 5: EVALUATION OF ENVIRONMENTAL IMPACTS

A. Analysis of the Impacts

Direct Impacts

1. Construction Impacts: There will not be any negative impacts to archaeological, historical, or cultural resources. Surface water and groundwater will not be negatively impacted by the project. Mitigation measures to control stormwater runoff during construction will be required by the contract documents. There will be short-term impacts to air quality due to fugitive dust from construction activities. This will be mitigated through watering. The project is not expected to have any adverse impacts to floodplains, wetlands, stream crossings, shorelands, prime or unique agricultural lands or threatened and endangered species. All work will be limited to previously developed areas.
2. Operational Impacts: Improvements to the water systems will reduce overall system operation and maintenance due to replacement of old failing infrastructure.
3. Social Impacts: There will be an increase to water user costs as a result of the project. The City will need to increase rates to pay for the water loan. Refer to the user cost section on pages 38 and 39 for rate increases. The project will create short-term economic benefits due to the needed construction workers and materials. The project will also cause short-term traffic delays during construction. Relocation of residents or businesses will not be required. Long-term social impacts will be positive, as this project will increase efficiency, reliability and capacity in the project area.

Indirect Impacts

1. Land Development: The areas of improvement are in areas of existing water service and will not change the rate, density, or type of land development. No changes will be made to any transportation routes.
2. Land Use: The project will not make changes to land use.
3. Air and Water Quality: The project will not negatively impact air and water quality.
4. Secondary Growth: The project is not expected to spur secondary growth.
5. Cultural, Human, Social and Economic: Impacts to cultural, human, social and economic resources will be positive, as a sustainable water distribution system will promote public health and safety.
6. Aesthetics: The project will not negatively impact area aesthetics. Minor destruction during construction will be offset by restoration.
7. Resource Consumption: The project will not increase resource consumption in any way. Construction activities will produce extra solid waste, but the extra waste will not be reoccurring over the useful life of the infrastructure.

Cumulative Impacts

The proposed project is not expected to create any adverse impacts to the environment that increase over time or that result from individually minor but collectively significant actions taking place over time.

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SECTION 6: MITIGATION

Where adverse impacts due to construction of the proposed project cannot be avoided, mitigation measures will be implemented. Costs for mitigation measures were considered and included, where applicable, in the engineer's opinion of cost. Mitigation measures needed during construction will be included in the construction contract documents.

A. Short-Term Construction Related Mitigation

General Construction

Anticipated construction problems include high groundwater and areas of inferior pipe bedding and backfill soil material. These are normal occurrences with construction in the area. Planning and design will mitigate these issues and should not be a problem for qualified contractors.

Traffic

Short-term street closures and traffic rerouting is expected during construction. Any traffic disruptions that occur due to construction related activities will be organized and controlled to minimize disruption to local, transient, and emergency traffic. All needed barriers and signing or flagging will be in accordance with City, County and Michigan Department of Transportation (MDOT) standards.

Safety

All work shall comply with Federal, State and local laws governing activities, safeguards, devices and protective equipment. Minimum requirements are defined by the U.S. Department of Labor and the Michigan Occupational Safety and Health Act.

Dust and Noise

Construction dust and noise will be required to be kept to a minimum. No on-site burning will be allowed. Water will be used to control fugitive dust.

Erosion

A Soil Erosion and Sedimentation Control Permit will be required for the project. Site specific mitigation measures will be addressed during design and included in the construction contract documents.

Restoration

Damaged roadway, curbing, driveway, and sidewalk surfaces will be restored to equal or better condition, in accordance with modern construction standards. Undeveloped areas will be restored with topsoil, fertilizer, mulch and seed or sod as needed.

Utilities

Disruptions of utility services during construction will be kept to the minimum necessary to complete the project. In the event proposed utility upgrades will disrupt service for a long duration, temporary service lines will be required. It is expected there will be minor disruptions when water services going to individual residential houses and businesses are replaced.

Valuable Features

This project is not expected to significantly impact valuable existing features such as mature vegetation. Areas of proposed construction are already fully developed.

Construction Spoils

Disposal of construction spoils in wetlands, floodplains, shorelines, or other sensitive areas will not be allowed. Any disposal of material will need to be permitted and disposed of at an approved location.

Permitting

Water permits will be required from the EGLE, along with a Soil Erosion and Sedimentation Control Permit from Delta County.

Endangered/Threatened Species

The project is not anticipated to impact endangered or threatened species.

Stream Crossings

The proposed work does not involve any stream crossings.

Wetlands

The project is not anticipated to impact wetland areas due to the use of directional drilling.

B. Mitigation of Long-Term ImpactsGeneral Construction

No adverse long-term impacts are expected as a result of the proposed project.

Siting Decisions

All construction will take place in already developed street right-of-ways. Exact locations of utilities will be determined during project design.

Operational Impacts

The proposed project will not have an operational impact to the City's water distribution or water treatment systems. The project will be replacing old failing infrastructure.

C. Mitigation of Indirect Impacts

Master Plan and Zoning

Long range planning by the City identified the proposed project areas. These areas are all in previously developed areas and would have no effect on planning and zoning in the City. The work will not impact historical features, agricultural land or other natural features.

Ordinances

Local ordinances are in place regarding minimum building construction, operation standards and site erosion control. Wetlands, floodplains and other sensitive habitats are protected by State laws and permits.

Staging of Construction

Construction activities will be staged in a way to minimize disruption to local residences and businesses.

SECTION 7: PUBLIC PARTICIPATION

- A. Public Meeting on Project Alternatives. Refer to Appendix B for Draft minutes and comments.

A public meeting was held at 6:00 p.m. on May 22, 2023 at Gladstone City Hall. Refer to Appendix F for Advertisement.

- B. Adoption of the Project Plan

On May 22, 2023 the City of Gladstone passed a resolution for water which approves the Project Plan. Refer to Appendix C for the signed resolutions.

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ALTERNATIVE 2 Intake Relining

Engineer's Opinion of Cost

City of Gladstone Water Intake and Transmission Main

3/24/2023

Item	Description	Unit	Qty.	Unit	Total
Water Intake Construction					
1	Mobilization (15%)	Lump Sum	1	\$970,000.00	\$970,000.00
2	24-inch Intake (Reline)	Foot	1,850	\$2,500.00	\$4,625,000.00
3	24-inch Gate Valve	Each	1	\$30,000.00	\$30,000.00
4	Zebra Mussle Chemical Control	Lump Sum	1	\$45,000.00	\$45,000.00
5	Raw Water Sample Line	Lump Sum	1	\$25,000.00	\$25,000.00
6	Intake Crib	Lump Sum	1	\$135,000.00	\$135,000.00
7	Clear Well Concrete Structure	Lump Sum	1	\$240,000.00	\$240,000.00
8	Clear Well Storage Building/Roof	Lump Sum	1	\$65,000.00	\$65,000.00
9	On-site Piping Changes	Lump Sum	1	\$30,000.00	\$30,000.00
10	Clear Well Electrical	Lump Sum	1	\$15,000.00	\$15,000.00
11	Marine Barge and Crane	Lump Sum	1	\$1,200,000.00	\$1,200,000.00
12	Restoration	Square Yard	1,500	\$6.50	\$9,750.00
13	Erosion Control	Lump Sum	1	\$45,000.00	\$45,000.00
				SUBTOTAL	\$7,434,750.00
Transmission Main Construction					
14	Mobilization (10%)	Lump Sum	1	\$46,000.00	\$46,000.00
15	6-inch Ductile Iron Water Main	Foot	360	\$75.00	\$27,000.00
16	12-inch Ductile Iron Water Main	Foot	3,200	\$115.00	\$368,000.00
17	6-inch Gate Valve and Box	Each	2	\$1,850.00	\$3,700.00
18	12-inch Gate Valve and Box	Each	4	\$3,500.00	\$14,000.00
19	12-inch x 6-inch Reducer	Each	1	\$550.00	\$550.00
20	12-inch x 12-inch x 12-inch Tee	Each	1	\$1,750.00	\$1,750.00
21	6-inch x 6-inch x 6-inch Tee	Each	1	\$1,250.00	\$1,250.00
22	1-inch Corporation Stop	Each	11	\$475.00	\$5,225.00
23	1-inch Curb Stop and Box	Each	11	\$750.00	\$8,250.00
24	1-inch Type "K" Copper Water Service	Foot	385	\$55.00	\$21,175.00
25	12-inch Bend	Each	4	\$1,400.00	\$5,600.00
26	Connect to Existing 12-inch Water Main	Lump Sum	1	\$2,200.00	\$2,200.00
27	Connect to Existing Storage Tank	Lump Sum	1	\$6,500.00	\$6,500.00
28	Erosion Control Blanket	Square Yard	1,200	\$8.50	\$10,200.00
29	Special Backfill	Cubic Yard	500	\$12.00	\$6,000.00
30	Clearing and Grubbing	Acre	1.5	\$14,000.00	\$21,000.00
31	HMA Surface, Rem	Square Yard	6,100	\$5.00	\$30,500.00
32	HMA, 5EL	Ton	1,000	\$140.00	\$140,000.00
33	Aggregate Base, 8-inch	Square Yard	6,100	\$14.00	\$85,400.00
34	Restoration	Lump Sum	1	\$30,000.00	\$30,000.00
				SUBTOTAL	\$834,300.00

Total Construction	\$8,269,050.00
Contingency	\$827,000.00
Legal/Admin	\$124,100.00
Engineering	\$992,300.00
TOTAL	\$10,212,450.00

ALTERNATIVE 3 New Intake

Item 10.

Engineer's Opinion of Cost

City of Gladstone Water Intake and Transmission Main

3/21/2023

Item	Description	Unit	Qty.	Unit	Total
Water Intake Construction					
1	Mobilization (15%)	Lump Sum	1	\$729,000.00	\$729,000.00
2	24-inch HDPE Intake (Directionally Drilled)	Foot	1,850	\$1,630.00	\$3,015,500.00
3	24-inch Gate Valve	Each	1	\$30,000.00	\$30,000.00
4	Zebra Mussel Chemical Control	Lump Sum	1	\$45,000.00	\$45,000.00
5	Raw Water Sample Line	Lump Sum	1	\$25,000.00	\$25,000.00
6	Intake Crib	Lump Sum	1	\$135,000.00	\$135,000.00
7	Clear Well Concrete Structure	Lump Sum	1	\$240,000.00	\$240,000.00
8	Clear Well Storage Building/Roof	Lump Sum	1	\$65,000.00	\$65,000.00
9	On-site Piping Changes	Lump Sum	1	\$30,000.00	\$30,000.00
10	Clear Well Electrical	Lump Sum	1	\$15,000.00	\$15,000.00
11	Marine Barge and Crane	Lump Sum	1	\$1,200,000.00	\$1,200,000.00
12	Restoration	Square Yard	1,500	\$6.50	\$9,750.00
13	Erosion Control	Lump Sum	1	\$45,000.00	\$45,000.00
				SUBTOTAL	\$5,584,250.00
Transmission Main Construction					
14	Mobilization (10%)	Lump Sum	1	\$46,000.00	\$46,000.00
15	6-inch Ductile Iron Water Main	Foot	360	\$75.00	\$27,000.00
16	12-inch Ductile Iron Water Main	Foot	3,200	\$115.00	\$368,000.00
17	6-inch Gate Valve and Box	Each	2	\$1,850.00	\$3,700.00
18	12-inch Gate Valve and Box	Each	4	\$3,500.00	\$14,000.00
19	12-inch x 6-inch Reducer	Each	1	\$550.00	\$550.00
20	12-inch x 12-inch x 12-inch Tee	Each	1	\$1,750.00	\$1,750.00
21	6-inch x 6-inch x 6-inch Tee	Each	1	\$1,250.00	\$1,250.00
22	1-inch Corporation Stop	Each	11	\$475.00	\$5,225.00
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24	1-inch Type "K" Copper Water Service	Foot	385	\$55.00	\$21,175.00
25	12-inch Bend	Each	4	\$1,400.00	\$5,600.00
26	Connect to Existing 12-inch Water Main	Lump Sum	1	\$2,200.00	\$2,200.00
27	Connect to Existing Storage Tank	Lump Sum	1	\$6,500.00	\$6,500.00
28	Erosion Control Blanket	Square Yard	1,200	\$8.50	\$10,200.00
29	Special Backfill	Cubic Yard	500	\$12.00	\$6,000.00
30	Clearing and Grubbing	Acre	1.5	\$14,000.00	\$21,000.00
31	HMA Surface, Rem	Square Yard	6,100	\$5.00	\$30,500.00
32	HMA, 5EL	Ton	1,000	\$140.00	\$140,000.00
33	Aggregate Base, 8-inch	Square Yard	6,100	\$14.00	\$85,400.00
34	Restoration	Lump Sum	1	\$30,000.00	\$30,000.00
				SUBTOTAL	\$834,300.00

Total Construction	\$6,418,550.00
Contingency	\$641,900.00
Legal/Admin	\$96,300.00
Engineering	\$770,300.00
TOTAL	\$7,927,050.00

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**A RESOLUTION ADOPTING A FINAL PROJECT PLANNING DOCUMENT
FOR WATER SYSTEM IMPROVEMENTS
AND DESIGNATING AN AUTHORIZED PROJECT REPRESENTATIVE**

WHEREAS, the City of Gladstone, Michigan recognizes the need to make improvements to its existing water treatment and distribution system; and

WHEREAS, the City of Gladstone, Michigan authorized Coleman Engineering Company to prepare a Project Planning Document, which recommends the construction of water distribution system replacement and lead service line replacement in designated areas; and

WHEREAS, said Project Planning Document was presented at a Public Hearing held on May 22, 2023 at 6:00 P.M. and all public comments have been considered and addressed;

NOW THEREFORE BE IT RESOLVED, that the City of Gladstone, Michigan formally adopts said Project Planning Document and agrees to implement the selected alternative (Alternative 3).

BE IT FURTHER RESOLVED, that the City Manager, a position currently held by Eric Buckman, is designated as the authorized representative for all activities associated with the project referenced above, including the submittal of said Project Planning Document as the first step in applying to the State of Michigan for a Drinking Water State Revolving Fund Loan to assist in the implementation of the selected alternative.

Yeas:

Nays:

Abstain:

Absent:

I certify that the above Resolution was adopted by the Gladstone City Council on May 22, 2023.

BY: _____
Name and Title *(please print or type)*

Signature Date

DRAFT

DRAFT



INTENT TO APPLY FORM

This form should be submitted by all applicants seeking funding in the next five years. Applicants participating in the ITA process receive early indication of the funding outlook for their project(s).

DATE: October 27, 2022

PROJECT(S) NAME (Brief Identifier): City of Gladstone Water Intake Replacement Project

PROJECT(S) PURPOSE (Including general location and public health or water quality issue being addressed): Replacement of the City's existing 1924-24" wood stave water intake line and intake crib. Construction of 3,200 feet of 12-inch water transmission main to the City's storage tank to provide a redundant water supply line to the city water tank.

Applicant Legal Name: City of Gladstone

Applicant Contact Name: Eric Buckman **Title:** City Manager

Mailing Address (street, city, state, zip+4): 1100 Delta Avenue, Gladstone, MI 49837

Phone No.: 906-428-3181

Email: ebuckman@gladstonemi.org

Consulting Engineer Name* (if applicable): Scott Nowack **Firm:** Coleman Engineering Company

Mailing Address (street, city, state, zip+4): 635 Circle Drive, Iron Mountain, MI 49801

Phone No.: 906-774-3440

Email: snowack@coleman-engineering.com

PROJECT INFORMATION

Applicant Population: 5,248 **Population Served by Project:** 5,248

Treatment Facility Name (if applicable):

Estimated Total Project Cost: \$6,200,000

Year 1 Costs \$6,200,000

Estimated Year 1 Costs Financed Through SRF: \$6,200,000

Future Year Costs (if applicable): \$0

Estimated Future Costs Financed Through SRF: \$0

Other Funding Sources (check all that apply): MDOT MEDC USDA Rural Development

Other Financing/Funding Agency: [Click here to enter text.](#)

Proposed Construction Start Date (mm/yyyy): 06/2024

Completed Project-Related Planning Documents (check all that apply; do not need to submit at this time):

- Capital Improvements Plan
- Asset Management Plan
- Preliminary Engineering Report
- Environmental Report
- Project Plan
- Infiltration & Inflow Study
- Sanitary Sewer Evaluation Study
- NASSCO Report
- Watershed Management Plan
- Master Plan
- Reliability Study
- Other:

ADDITIONAL INFORMATION

Disadvantaged Community (as determined by EGLE)? Yes No Unknown

For a preliminary determination from EGLE, complete and attach the [Disadvantaged Community Status Determination Worksheet](#).

Does the proposed project include any green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities? Yes No Unknown

If yes, please describe:

Deadlines: The ITA form may be submitted at any time, but is due on or before November 1, to allow for sufficient time for the pre-application meeting and to be placed on the DWSRF or CWSRF/SWQIF Project Priority List (PPL). **Please note:** Applicants for CWSRF funding must use a Qualifications-based Selection (QBS) process to select and hire an architectural and engineering firm in order for those costs to be eligible for CWSRF funding. This includes planning, design engineering and construction engineering services.

Pre-Application Meeting: The applicant will be contacted by an assigned Water Infrastructure Financing Section (WIFS) project manager within 14 days of receipt of this ITA form to schedule a pre-application discussion. This meeting can help to identify project funding opportunities and challenges earlier in the planning stage to better guide the efforts of the applicant and their consulting engineer. Suggested attendees would include the WIFS project manager, EGLE district engineer, applicant representative(s), and any other applicable attendees.

Questions: Please visit our website at Michigan.gov/CWSRF or Michigan.gov/DWSRF or call 517-284-5433.

Please submit this form by email to EGLE-WIFS@Michigan.gov.

For information or assistance on this publication, please contact the (program), through EGLE Environmental Assistance Center at 800-662-9278. This publication is available in alternative formats upon request.

EGLE does not discriminate on the basis of race, sex, religion, age, national origin, color, marital status, disability, political beliefs, height, weight, genetic information, or sexual orientation in the administration of any of its programs or activities, and prohibits intimidation and retaliation, as required by applicable laws and regulations.

This form and its contents are subject to the Freedom of Information Act and may be released to the public.

DRAFT

NOTICE OF PROJECT PLAN PUBLIC HEARING

The City of Gladstone will hold a public hearing on the proposed City of Gladstone Drinking Water State Revolving Fund Utility Project for the purpose of receiving comments from interested persons.

The hearing will be held at 6:00 p.m. on May 22, 2023 at the following location:

Gladstone City Hall
1100 Delta Avenue
Gladstone, MI 49837

The purpose of the proposed project is to replace the aged raw water intake, water main and water service lines. Project construction will involve the replacement of street surface, curbs, gutters, sidewalk, and water main within the project areas. A map of the project area is included as part of the Project Plan and is available for review.

Impacts of the proposed project include short-term roadway closures, water service interruptions and long-term improvement to the water quality in the City of Gladstone.

The estimated cost to users for the proposed project will come in the form of a water user rate increase with the exact amount of the increase determined by future funding arrangements.

Copies of the plan detailing the proposed project are available for inspection at the following location(s):

City of Gladstone
1100 Delta Avenue
Gladstone, MI 49837

Written comments received before the hearing record is closed on May 22, 2023 will receive responses in the final project plan. Written comments should be sent to:

Ms. Kim Berry, City Clerk
City of Gladstone
1100 Delta Avenue
Gladstone, MI 49837

DRAFT

APPENDIX G: OVERBURDENED COMMUNITY STATUS WORKSHEETS



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY OVERBURDENED AND SIGNIFICANTLY OVERBURDENED COMMUNITY STATUS DETERMINATION WORKSHEET

The following data is required from each State Revolving Fund (SRF) applicant requesting a determination for overburdened and significantly overburdened community status.

The most recent census and tax data are available in a searchable table on EGLE's State Revolving Fund – Overburdened Community Definition and Scoring Criteria Development webpage along with an excel worksheet to help determine blended Median Annual Household Income (MAHI) and blended taxable value per capita for regional systems. The MAHI and taxable value per capita table will be used to make all FY24 determinations. Applicants are encouraged to visit this page prior to completing this form to see if they qualify based on MAHI (blended MAHI if applicable) or taxable value per capita (blended taxable value per capita if applicable) alone. If so, they only need to fill out lines 1 and 2 of this form, electronically sign it on page 2, and submit.

Alternately, if the applicant's MAHI or blended MAHI is above the state average - \$63,498 for FY24 – they cannot be determined as being overburdened or significantly overburdened for FY24 funding and should not complete or turn in this form.

For applicants whose MAHI or blended MAHI is below \$63,498 but do not automatically qualify based on MAHI or taxable value per capita alone, please complete the entire form and return to:

Mark Conradi
conradim@michigan.gov

Name of Applicant

City of Gladstone

Please check the box indicating which funding source this determination is for:

DWSRF

CWSRF

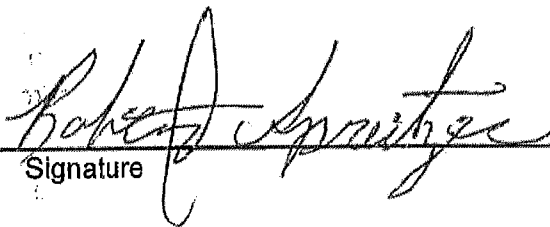
1. Is this a regional system? A regional system refers to any system that serves more than one municipality (cities, townships, and/or villages)

Yes
No

If yes, refer to the instructions at the end of this form to complete calculations for a blended MAHI and blended taxable value per capita. Additionally, page 3 of this form will also need to be completed.

- 2. Median Annual Household Income from table on the overburdened webpage (blended if applicable)
\$54,542
- 3. Taxable Value Per Capita from table on the overburdened webpage (blended if applicable)
\$22,667
- 4. Total amount of anticipated debt for the proposed project (amount of loan requested for FY24 loan)
- 5. Annual payments on the existing debt for the system
- 6. Total operation, maintenance, and replacement expenses (OM&R) for the system on an annual basis
- 7. Number of residential equivalent users (REUs) in the system

*I (Rob Spreitzer) hereby certify that the information in this form is complete, true, and correct to the best of my knowledge.

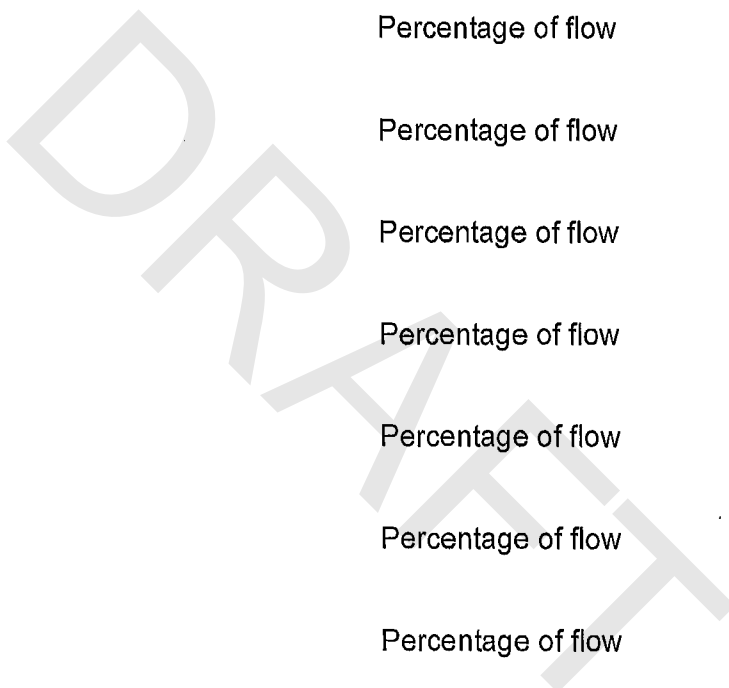

Signature

03-03-2023
Date

For determinations made using anticipated debt, a final determination will be made based upon the awarded loan amount and not the anticipated amount provided on this form.

Regional System Breakdown (If applicable)

Name of municipality	Percentage of flow
City of Gladstone	99.86%
Name of municipality	Percentage of flow
Escanaba Township	0.14%
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
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Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow
Name of municipality	Percentage of flow



If more spaces are needed, please include them in the email along with this submission. Percentages of flow must add up to 100%.

Overburdened and Significantly Overburdened Calculation Worksheet

Instructions

This calculation template is designed to be used in conjunction with the "Overburdened and Significantly Overburdened Community Status Determination Worksheet" which must be completed and submitted to conradim@michigan.gov for any FY24 SRF project wanting an overburdened determination. Once that form has been completed this calculation template will allow the applicant to get a preliminary idea of whether they qualify for overburdened or significantly overburdened status. Unlike the status determination worksheet, this calculation template is not required to be completed but is recommended. The results of this preliminary calculation do not guarantee any final determinations. Final determinations will be made by EGLE.

Only fill in the cells that are highlighted in grey: cells B2, B4, B6, B11, B13, and B15. These cells are tiled and numbered to directly correlate to the questions and numbers in the completed Overburdened and Significantly Overburdened Community Status Determination worksheet.

There are three ways an applicant can automatically qualify as overburdened or significantly overburdened:

- if they have a MAHI or blended MAHI below 125% of the federal poverty MAHI (Row 23)
- if they have a TVPC in the lowest 10% of the state (Row 25)
- if they have a TVPC in the lowest 20% of the state (Row 27)

These calculations are completed once cells B2 and B4 are entered, and the results are shown as a red "no" or a green "yes" in cells E23, E25, and E27. If any of these results in a green "YES" the applicant is automatically qualified* as overburdened or significantly overburdened and does not need to enter any cost data (*provided the numbers entered into B2 and B4 are accurate and followed the rules outlined in the Status Determination Worksheet).

The final way an applicant can be determined overburdened is if their MAHI falls below the state average of \$63,498 AND their annual user costs are greater than 1% of their MAHI or blended MAHI. If the MAHI or blended MAHI is greater than \$63,498, an applicant cannot be eligible for overburdened status, should not complete or send in an application, and a red "Do Not Qualify" will show up in cell B20. For applicants under \$63,498 fill in cells B6, B11, B13, and B15 using the corresponding data from the completed Status Determination Worksheet. If the calculations turn out to be greater than 1% cell E29 will turn green and read "YES." If any of the results in E23, E25, E27, or E29 result in a "YES", the applicant preliminarily qualifies as overburdened or significantly overburdened.

*Regional Systems

First complete the tab on the bottom left of this sheet titled, "Blended MAHI and TVPC calcs". Once completed, cells B2 and B4 will automatically populate with the completed calculations. If they do not, enter the blended MAHI in cell B2 and the blended TVPC in cell B4.

2. Median Annual Household Income (blended if necessary)	\$54,542	City of Gladstone		
3. Taxable Value Per Capita (blended if necessary)	\$22,667			
4. Amount of anticipated debt - FY24 SRF loan only	20			
Terms	2.75%			
New Annual debt from SRF loan	\$0			
5. Annual Payments on existing debt				
6. Total OM&R				
7. Number of REUs				
Total Annual Cost	\$0			
Annual User Cost	\$0			
MAHI Threshold \$ amount	\$545			
125% of Federal Poverty MAHI	\$37,500	Significantly Overburdened	NO	
Lowest 10% TVPC	\$15,170	Significantly Overburdened	NO	
Lowest 20% TVPC	\$22,920	Overburdened without calculation needed	YES	
Michigan MAHI	\$63,498	Overburdened with calculation	NO	

Municipality Name:		Gladstone			
	WATER				
Meter Size	Residential Meter Equivalents	Number of Meters	Calculated REU's	Escanaba Township Number of Meters	Escanaba Township Calculated REU's
5/8"	1.00	2089	2089	1	1
3/4"	1.00		0		
1"	2.50	115	288	1	2.5
1-1/2"	5.00	14	70		
2"	8.00	9	72		
3" Disp.	9.00	2	18		
3" CMPD	16.00		0		
4" CMPD	25.00	1	25		
4" Turb.	30.00		0		
6" CMPD	50.00		0		
6" Turb.	62.50		0		
8" CMPD	80.00		0		
10" CMPD	115.00		0		
		2230	2562	Meter Based	4
			2615	Flow Based	
			99.86%	City	
			0.14%	Township	



City of Gladstone, MI

1100 Delta Avenue
Gladstone, MI. 49837
www.gladstonemi.org

Staff Report

Agenda Date: 05-08-2023 Eric Buckman, City Manager: _____
 Department: City Commission Department Head Name: _____
 Presenter: Kim Berry Kim Berry, City Clerk: _____

This form and any background material must be approved by the City Manager then delivered to the City Clerk by 4:00 PM the Tuesday prior to the Commission Meeting.

AGENDA ITEM TITLE: Annual Special Events 2023 Listing

BACKGROUND:

The City of Gladstone approves several special events throughout the year to be held in our community. To publicize events, the City of Gladstone annual listing normally is approved in January of each year and placed on our website calendar. However, some annual events are not sure, so I listed those as To Be Determined (TBD).

We are placing the annual events on one staff report for approval. Each event is still required to complete a special events application with proof of insurance for staff to review and provide necessary provisions for each event.

Any new events will come before the Commission for individual approval and placed on the annual list if appropriate.

FISCAL EFFECT:

SUPPORTING DOCUMENTATION:

RECOMMENDATION:

Approve the 2023 Special Events List

CITY OF GLADSTONE - SPECIAL EVENTS 2023 LISTING

Date of Event	Organization	Event	Event Contact	Phone Number	Commission Approval	Annual Event
TBD - January		Resolution Run/Walk	Dan Paul	906-428-4457		Yes
Feb - TBD	City of Gladstone	Cardboard Classic/Adult Night	Jason Davis	399-8902		Yes
June - September 2022	Noc Bay Flyers Disc Golf Club	Sunday Disc Golf League	Tom Mannebach	906-241-5271		Yes
June - August 2022	Noc Bay Flyers Disc Golf Club	Tuesday Disc Golf League	Jon Harris	789-6220		Yes
6/14/2022	Sons of the American Legion	Observe Flag Day & Retirement of Flags	George Maciejewski	906-241-9532		Yes
June TBD	Gladstone Senior Center	Scenic Shore 5k Run/One Mile Walk	Dan Paul	906-428-4457		Yes
June TBD	MISH Sports	MISH Waterfront Half Marathon & 10K Run	Rick Elrod	515-999-MISH		Yes
June -August 2022	City of Gladstone	Summer Concert Series - VanCleve Park	Nicole Sanderson	906-428-9222		Yes
7/4/2022	City of Gladstone	4th of July Celebration	Eric Buckman	906-428-3181		Yes
7/4/2022	Gladstone Kiwanis	Fran Cannon Firecracker Run	Ken Benson			Yes
July TBD	Water's Edge Chiropractic	Business After Hours	Pat Johnson			Yes
August TBD	MISH Sports	MISH Experience Paddle, Bike, Run Triathlon	Rick Elrod	515-999-MISH		Yes
September - TBD	Michigan State Police	Open House	MSP Post Comm			Yes
October - TBD	Gladstone Schools	Homecoming Parade	Andrew Jacques	906-789-8321		Yes
September TBD	GHS Baseball	Grand Slam Fall Classic	Todd Crow			Yes
Sept - TBD	The Beaten Path	Disc Golf Tournament	Jon Harris	789-6220		Yes
October - last Sat.	City of Gladstone	Trunk or Treat	Jason Davis	399-8902		Yes
October - TBD	MISH Sports	MISH Fall 5K & 10K Run	Rick Elrod	515-999-MISH		Yes
November TBD	Gladstone Senior Center	Turkey Trot 5k Run/Walk	Dan Paul	906-428-4457		Yes
11/25/2022	DDA	Old Fashion Christmas	Ron Miaso			Yes
TBD - December		Santa Run/Walk	Dan Paul	906-428-4457		Yes



City of Gladstone, MI

1100 Delta Avenue
Gladstone, MI. 49837
www.gladstonemi.org

Staff Report

Agenda Date: 04-24-2023 Eric Buckman, City Manager: _____
 Department: City Commission Department Head Name: _____
 Presenter: Mayor Thompson Kim Berry, City Clerk: _____

This form and any background material must be approved by the City Manager then delivered to the City Clerk by 4:00 PM the Tuesday prior to the Commission Meeting.

AGENDA ITEM TITLE: Closed Session: Manager & Clerk Evaluations

BACKGROUND:

It is the employee’s option to go into closed session not the Commission.

Please confirm the employee requests open or closed evaluation.

FISCAL EFFECT:

To be determined by terms of contract

SUPPORTING DOCUMENTATION:

Existing Contracts

RECOMMENDATION:

Manager Buckman and Clerk Berry request closed session the motion is as follows:

Motion to enter closed session to consider personnel evaluations as allowable under the Open Meetings Act 267 of 1976 (15.268) Section 8 item a.

Requires simple majority vote (3).