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City of Owosso DWSRF

2026 Project Planning Document Amendment

Project No. 240369
March 16, 2026

City Public Hearing Draft

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Drinking Water State Revolving Fund
Project Planning Document Amendment

Prepared For: City of Owosso
Owosso, Michigan

March 16, 2026
Project No. 240369

City Public Hearing Draft

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List of Abbreviations/Acronyms

CIP	Capital Improvements Plan
City	City of Owosso
DWSRF	Drinking Water State Revolving Fund
EGLE	Michigan Department of Environment, Great Lakes, and Energy
FEMA	Federal Emergency Management Agency
FY	fiscal year
gpm	gallons per minute
HVAC	heating, ventilation, and air conditioning
IPaC	Information for Planning and Consultation
ITA	Intent to Apply
LP	low pressure
LSL	lead service line
LSLR	lead service line replacement
MAHI	median annual household income
mgd	million gallons per day
MNFI	Michigan Natural Features Inventory
O&M	operations and maintenance
ROW	right of way
SHPO	Michigan State Historic Preservation Office
T&E	Threatened and Endangered
TDH	total dynamic head
THPO	Tribal Historic Preservation Officers
USFWS	U.S. Fish and Wildlife Service
VFD	variable frequency drive
WTP	Water Treatment Plant
WSRS	Water System Reliability Study

1.0 Introduction

The purpose of this Amendment is to meet the Project Planning Document Amendment requirements established by the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

Fishbeck assisted the City of Owosso in preparing the Project Planning Document for 2024 and submitted an Intent to Apply (ITA) on the City's behalf on October 31, 2024, to seek funding in FY 2026 based on the original planning document.

However, there has been a change in the selected alternative for the Gute Hill Booster Station. Based on consultation with the EGLE Project Manager and an email dated January 26, 2026, this change in the Selected Alternative for FY 2026 requires submission of an Amendment.

This Amendment includes the updated Selected Alternative for the Booster Station Improvements Project for FY 2026.

2.0 Project Background

2.1 Summary of Project Need – Booster Station

The Gute Hill Booster Station (Booster Station) is connected to the standpipe located off Krouse Road between Pearce Street and Walnut Street. The Booster Station is critical to the water system.

The building was constructed in the 1950s (approximately 75 years old) and is in poor condition. Tuckpointing and concrete repairs are needed to prevent further deterioration and to stop groundwater and weather from entering the structure. The interior is very tight, and valves and piping restrict access, making operations and maintenance (O&M) difficult.

The Booster Station has one pump, which is manually controlled by Water Treatment Plant (WTP) staff. This pump will be automated as part of ongoing control upgrades at the WTP, but currently there is no redundancy to the pump.

The flow capacity of the Booster Station is hydraulically limited by the water level in the standpipe. The existing booster pump is rated at 1,000 gallons per minute (gpm); however, its pumping capacity decreases significantly as standpipe levels drop. Piping within the station includes ductile iron and PVC, and lead joints are likely present.

Refer to Figure 1 for the Booster Station location and Figure 2 for the existing layout.

2.2 Compliance with Drinking Water Standards

EGLE issued a Sanitary Survey for the City of Owosso Water System in 2021. The document listed numerous recommendations for the water system. The City had been addressing those recommendations in their CIP.

2.3 Orders of Enforcement Actions

No court orders, enforcement orders, or written enforcement actions have been issued to the City regarding the water system.

2.4 Drinking Water Quality Problems

The aesthetic quality of the water produced by the WTP is generally good; there are no known drinking water problems in the overall distribution system.

2.5 Projected Needs for the Next 20 Years

The 2023 Water System Reliability Study (WSRS) and WTP Evaluation Study were completed for the water system. The WSRS included a Capital Improvements Plan (CIP) for both 5 year and 20-year distribution system improvements. The Booster Station is based on the recommendations of the studies. The improvements will increase the water system's reliability.

3.0 Analysis of Alternatives

3.1 Booster Station

3.1.1 No Action

If no action is taken at the existing Booster Station, the functional operational volume of the standpipe will continue to be limited due to the hydraulic deficiencies in the Booster Station. Additionally, the Booster Station would remain operating outside of Ten States Standards recommendations with the deteriorating conditions and the risk of single point of failure with only one pump; therefore, no further consideration is given to this alternative.

3.1.2 Optimum Performance of Existing Facilities

In this alternative, the existing process equipment and piping in the Booster Station would be demolished. Two new booster pumps, one duty and one standby, would replace the existing single pump to address the Ten States Standards deficiency. This alternative also includes electrical upgrades, a generator, and HVAC replacement. Each pump would be VFD-driven and remotely operable from the WTP.

However, major building repairs would still be required due to the station's age and conditions noted in Section 2.1. The basement is a confined space, adding complexity and cost. The piping layout would require new wall penetrations and abandonment of existing ones to separate fill and discharge lines. Tight interior space would remain, continuing to create O&M constraints and safety concerns for operators.

Maintaining operations during construction would be difficult, and the Booster Station and standpipe would need to be offline for a minimum of six months. For these reasons, this alternative will not be considered further.

3.1.3 Construction Alternative

This alternative includes construction of a new Booster Station building and associated site, architectural, structural, process, mechanical/HVAC, electrical and instrumentation work for a fully functional facility. The electrical improvements include a generator. The standpipe fill line and pump station discharge lines will be separated and metered. There will be two pump suction lines from the standpipe to the Booster Station for redundancy. The new building will not include a basement, and all piping will be fully accessible. There will be two new booster pumps, one duty and one standby, and support systems designed to meet Ten State Standards. Each booster pump will be driven by a VFD and will be remotely operable from the WTP. The new station will be designed to meet required codes and will be sized to accommodate the new pumps, piping, and valves.

The existing station will be demolished, and the current basement portion of the existing station will be converted into an accessible vault. The existing piping and valves in the vault will be replaced. Structural, mechanical/HVAC improvements will also be included as needed. Under this alternative, the existing station can continue operating during construction, with only minimal shutdowns required.

3.1.4 Regional Alternatives

A regional alternative is not applicable.

4.0 Principal Alternatives

4.1 Booster Station Improvements

4.1.1 Monetary Evaluation

An estimated project cost was developed for the selected Construction Alternative. The project budgetary cost summary for the Construction Alternative is presented in the following Tables 1 and 2.

Table 1 – Estimated Project Cost Summary for Booster Station Improvements

Item	Initial Capital Cost	Design Life (Years)	Salvage Value
Demolition	$110,000	0	$0
Pumps	$120,000	30	$40,000
Process Piping	$110,000	50	$70,000
Process Valve	$140,000	30	$50,000
Misc. Supports, Sleeve, Penetration Allowance	$40,000	30	$20,000
Instrumentation	$90,000	20	$0
Electrical	$520,000	25	$0
Systems Integration	$90,000	20	$0
HVAC	$50,000	20	$0
New Building Structure	$320,000	75	$0
Sitework	$215,000	0	$130,000
Estimated Construction Cost	**$1,805,000**		
Contractor General Conditions, Overhead and Profit	$360,000		
Contingency	$430,000		
Administration, Engineering, Legal	$397,100		
Estimated Project Budget	**$3,000,000**		

A present worth analysis was completed for the selected Construction Alternative, and for the No Action Alternative, as summarized in the following table. The No Action Alternative has no associated capital costs. Sunk costs are not included in the analysis.

Table 2 – 20-Year Present Worth Analysis – Booster Station Improvements

Alternatives	New Water Main and Services		No Action	
	Cost/Value	20-Year Present Worth	Cost/Value	20-Year Present Worth
Capital Cost	$3,000,000	$3,000,000	$0	$0
O&M Cost/Year	$3,000	$50,000	$10,000	$160,000
Salvage Value	$310,000	($210,000)	$0	$0
Total Worth		**$2,840,000**		**$160,000**

4.1.2 Environmental Evaluation

4.1.2.1 Cultural Resources

There will be no direct impact on any historical sites during the construction project. The proposed improvements will occur within the station site.

4.1.2.2 The Natural Environment

There are no potential long-term impacts on the natural environment because of the proposed projects.

4.1.3 Mitigation

The impact on air quality will be controlled to the greatest extent possible by limiting construction to the regular construction season, during normal working hours. Soil erosion and sedimentation measures will be installed to ensure no debris associated with the excavation impacts the natural environment.

4.1.4 Implementability and Public Participation

The City owns and operates its water system, and the proposed project does not require intermunicipal agreements. The public will be provided with opportunities to review the Project Planning Document prior to a public hearing meeting. The City will also present the plan to the public during a regularly scheduled City Council meeting, to provide the community with an opportunity to voice concerns associated with the proposed project. Refer to Section 8.0 for more information. Public concerns will be considered whenever possible throughout design and construction.

4.1.5 Technical Considerations

Operating aging infrastructure components increases the likelihood of failures and diminished system reliability. Therefore, the Booster Station improvements project is needed to improve system reliability.

4.1.6 Residuals

This item is not applicable to this project.

4.1.7 Industrial/Commercial/Institutional

The Booster Station improvements project will be in fully developed areas. In most cases it will be limited to the existing site or the ROW. Therefore, no changes are anticipated in industrial, commercial, and institutional areas.

4.1.8 Growth Capacity

The purpose of the proposed project is to serve existing water system users.

4.1.9 Contamination

Map 1 shows the location of the project in relation to the contaminated sites. As indicated, the project location has no nearby contaminated sites.

5.0 Selected Alternative

5.1 Booster Station

5.1.1 Description

The Booster Station construction alternative will include:

- Demolition of the existing pump station and conversion of the underground structure into a vault.
- Construction of a new Booster Station building.
- Installation of two booster pumps with associated process piping, valves, and appurtenances.
- New instrumentation and controls.
- New electrical systems.
- New HVAC/mechanical systems.
- System integration with the WTP.
- Site improvements to support the new Booster Station.

5.1.2 Design Parameters

The standpipe fill piping and the station discharge lines will be separated. The Booster Station will be equipped with two pumps; each rated at 1,000 gpm with a total dynamic head (TDH) of 130 feet. VFDs will be provided for both pumps to adjust pump speed and power consumption based on system demand. The new fill valve for the standpipe will be equipped with an electric actuator for flow control.

5.2 Maps

A list of the figures associated with the selected alternative is summarized in Table 3.

Table 3 – Selected Alternatives

Figure Name	Figure Number
Booster Station Project Location	Figure 1
Existing Booster Station Layout	Figure 2
Proposed Booster Station Flow Schematic	Figure 3

5.3 Schedule for Design and Construction

The project would be consistent with the quarterly DWSRF funding deadlines, which are presented in Table 4.

Table 4 – Project Schedule

Task	Estimated Milestone
EGLE Fiscal Year and Quarter Planned for Project	FY 2026, Quarter 4
Final Design	April 2026
Construction Permit	May 2026
Bidding	May 2026
Bidding Opening	June 2026
DWSRF Funding Award	August 2026
Anticipated Project Start	October 2026

5.4 Cost Estimate

Table 5 includes the cost estimate for the Booster Station Construction Alternative.

Table 5 – Summary of Estimated Loan Amount

Project	Cost Estimate
New Booster Station	$3,000,000*

**Includes Capital, Engineering, Legal, Administration and Contingency*

The overall DWSRF FY 2026 improvement estimated cost is $12,000,000; this includes $3,000,000 for the Booster Station, and the remaining $9,000,000 for water mains.

5.5 User Costs

The City of Owosso held several publicized citizen meetings discussing projects and user rates in the summer of 2025. As a result of these meetings, the City passed a resolution adopting user rate increases through 2030, which covers all planned projects for DWSRF. Refer to Appendix 4.

5.6 Disadvantaged Community

Communities can be classified as "overburdened" or "significantly overburdened" based on the cost of the projects and the median annual household income (MAHI) of the community. In FY 2026, each loan application is evaluated individually to determine the community's qualification. The City qualified as "significantly overburdened."

5.7 Ability to Implement the Selected Alternative

The City owns and operates the water supply and distribution system and has direct authority to implement the improvements mentioned in this Project Planning Document Amendment.

6.0 Environmental Evaluation

6.1 Historical/Archeological/Tribal Resources

The FY 2026 DWSRF project, including the Booster Station, was considered an *Equivalency* project. As a result, an archaeological report was prepared, and a Section 106 application was submitted to the State Historic Preservation Office (SHPO) on November 21, 2025. The Booster Station site is not located near any known historic properties and will have no impact on historic resources. SHPO determined that the project will have no adverse effect on historic properties at the project location.

The following Tribal Historic Preservation Offices (THPO) were contacted on October 25, 2025, with a letter describing the FY 2026 projects, including the Booster Station. A 30-day review period was provided for comments or concerns. One response was received from the MBPI Section 106 office, confirming that the project is outside the Tribe's area of interest and that no comments were provided.

Table 6 – THPO Contacts

Name	Email
Paula Carrick	paulacarrick@baymills.org
Jen Satchell	jmsatchell@baymills.org
Aaron Chivis	Aaron.Chivis@gtb-nsn.gov
Erik Olsen	erik.olsen@gtb-nsn.gov
Courtney Hessell	Courtney.Hessell@gtb-nsn.gov
Molly Meshigaud	Molly.Meshigaud@hannahville.org
Michael Schuster	mschuster@hicservices.org
Alden Connor	aconnor@kbic-nsn.gov
Dione Price	dprice@kbic-nsn.gov
Alina Shively	alina.shively@lvd-nsn.gov
Beth Schrader	beth.schrader@lvd-nsn.gov
Gary Lewis	garylewis@lrboi-nsn.gov
Frank Beaver	williambeaver@lrboi-nsn.gov
Melissa Wiatrolik	mwiatrolik@ltbbodawa-nsn.gov
Caroline Moellering	cmoellering@ltbbodawa-nsn.gov
Winnay Wemigawase	wwemigwase@ltbbodawa-nsn.gov
Lynn Tenbrink	lynn.tenbrink@nhbp-nsn.gov
Onyleen Zapata	Onyleen.Zapata@nhbp-nsn.gov
Matthew Bussler	Matthew.Bussler@pokagonband-nsn.gov
Jennifer Kanine	Jennifer.Kanine@pokagonband-nsn.gov
Jennifer Stevens	JeStevens@sagchip.org
Donald Seal	dseal@sagchip.org
Marcella Hadden	mlhadden@sagchip.org
Sally Kniffen	skniffen@sagchip.org
Emma Donmyer	edonmyer1@saulttribe.net
Robin Clark	rclark@saulttribe.net
MBPI Section 106	section106@glt-nsn.gov

6.2 Water Quality

The project alternative selected will not have any negative impacts on surface water or groundwater quality in the City. Soil erosion and sedimentation control measures will be utilized to contain soils within construction areas.

6.3 Land/Water Interface

Map 2 depicts the location of wetlands and surface water in the immediate area of the City. The proposed Booster Station project will have no negative impact on these bodies of water, as no construction work is anticipated within the water boundaries.

6.4 Endangered Species

As part of the *Equivalency*, a Threatened and Endangered (T&E) Species Review was completed on November 14, 2025, for the Booster Station project site. The Booster Station area is a maintained, mowed site containing a fence, driveway, buildings, and a water tower.

The T&E Species Review included:

- A rare species request submitted to the Michigan Natural Features Inventory (MNFI) on October 24, 2025.
- A review of the U.S. Fish & Wildlife Service (USFWS) Information for Planning and Consultation (IPaC) Official Species List, along with submission of the Michigan Determination Key on October 30, 2025.

The review did not identify any potential state or federal T&E Species constraints, nor any suitable habitat within the site that would require consideration during planning or design of the proposed project.

6.5 Agricultural Land

The proposed project will have no impact on agricultural land.

6.6 Social/Economic Impact

The proposed project will increase the water system's reliability. The construction phase of the project will create jobs and contribute favorably to the local economy.

6.7 Construction/Operational Impact

6.7.1 Booster Station Improvements

Project construction activities will occur within the existing site, and all construction-related impacts will be temporary. The site will be restored to its original condition upon completion of the work.

Construction for projects of this type is typically limited to 7:00 a.m. to 7:00 p.m., Monday through Saturday. Vehicular and pedestrian access to all properties will be maintained throughout construction.

6.8 Indirect Impacts

6.8.1 Changes in Development

The proposed project will not facilitate any new areas of development. The project is to increase water system reliability.

6.8.2 Changes in Land Use

The proposed project will not have an impact on existing or future land use.

6.8.3 Changes in Air or Water Quality

The proposed project will not impact air or water quality.

6.8.4 Changes to Natural Setting or Sensitive Ecosystems

The proposed project will not have an impact on the natural setting or the sensitive ecosystems.

6.8.5 Changes to Aesthetic Aspects of the Community

There are no changes in the aesthetic aspects of the community due to the project.

6.8.6 Resource Consumption

Resource consumption in the form of building materials, new water main, and service line materials will occur for the proposed project.

7.0 Mitigation Measures

7.1 Mitigation Measures for Short-Term Impact

Measures that will be taken to avoid, eliminate, or mitigate potential short-term environmental impacts include the following:

- Traffic: use of designated traffic routes for construction traffic, as well as flagmen, warning signs, barricades, and cones.
- Air emissions: use of calcium chloride or water for dust control and proper maintenance on heavy equipment to reduce exhaust emissions.
- Noise control: use designated daytime work hours, use mufflers on all equipment, and minimize work on weekends and/or holidays.
- Soil erosion and sedimentation control: use riprap, hay bales, erosion control fence, silt fence, etc.
- Restoration: use topsoil, seed, sod, mulch, gravel, and pavement.

7.2 Mitigation Measures for Long-Term Impact

Measures that will be taken to avoid, eliminate, or mitigate potential long-term environmental impacts including the following:

- Soils disposal and contaminated soils: if construction occurs in floodplains or near a lake or stream, a U. S. Army Corps of Engineers EGLE Joint Permit will be filed that indicates quantities of soils taken off site or used onsite as fill, new fill materials utilized onsite, buffer zones from ecologically sensitive areas, and measures that will be taken to stabilize embankments.
- A Soil Erosion Plan for the construction of the selected alternatives will be filed with the local Soil Erosion and Sedimentation Control Agency (Kent County Drain Commissioner). The plan will also be reviewed by the EGLE Land and Water Management Division. The plan will summarize the quantity of soil that will be removed, locations where soil will be stored, the destination of soils, (onsite or off site) and measures that will be taken (silt fence, sod, etc.) to minimize erosion.

8.0 Public Participation

8.1 Public Meeting Advertisement

On March 4, 2026, a notice of the public meeting for the DWSRF Project Planning Document Amendment Proposed Improvements for the Booster Station will be posted on the City's website (https://www.ci.owosso.mi.us/News). The EGLE Project Manager will be provided with a link to this posted public meeting advertisement. The advertisement will briefly describe the proposed project and estimated costs; it will mention the availability of the report for viewing and invite written comments from the public. The Project Planning Document Amendment will be made available on the City's website for public review and comment. Written comments will be requested to be received no later than March 16, 2026, the date of the public meeting.

8.2 Formal Public Meeting

A public meeting will be held at the City of Owosso, on March 16, 2026, at 6:30 p.m. The meeting minutes and presentation slides from the public meeting will be included in the final report.

8.2.1 Public Meeting Contents

Fishbeck will provide a presentation of the proposed improvements at the public meeting. The contents of the presentation included the following:

- A description of the project needs and problems to be addressed by the proposed projects and the principal alternatives that were considered.
- A description of the selected alternative, including capital costs.
- A description of project financing and anticipated costs to users, including the proposed method of project financing and the proposed annual charge to the typical residential customer.
- A description of the anticipated social and environmental impacts associated with the recommended alternatives and the measures that will be taken to mitigate adverse impacts.

8.3 Comments Received and Answered

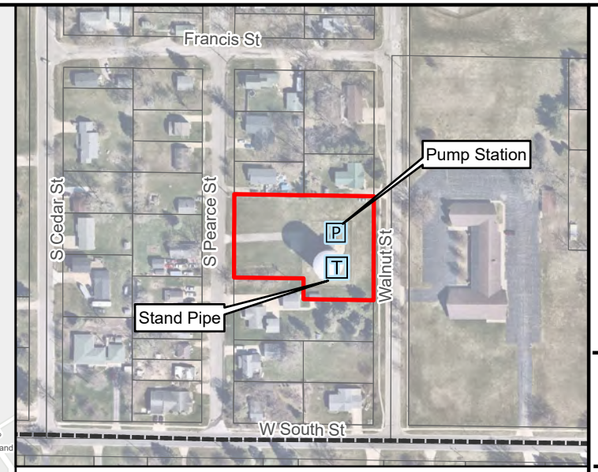
Any comments received will be addressed and included in the final report.

8.4 Adoption of the Project Planning Document Amendment

A resolution to formally adopt the Project Planning Document Amendment to implement the selected alternative will be passed at a regular City Council meeting on March 16, 2026, and included in the final report.

fishbeck

Figures



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City of Owosso
Shiawassee County, Michigan
Drinking Water State Revolving Fund
Project Planning Amendment FY26

LEGEND

- P — Pump Station
- T — Stand Pipe
- Booster Station Project Location
- Water System Boundary
- Municipal Boundaries

BOOSTER STATION PROJECT LOCATION

NORTH

0 850 1,700 FEET

PROJECT NO.
240369

FIGURE NO.
1

DATA SOURCES: PFAS SITES ACCESSED THROUGH EGLE OPEN DATA.
ENVIRONMENTAL CONTAMINATION DATA ACCESSED VIA EGLE ENVIRONMENTAL MAPPER.
CITY OF OWOSSO GIS, STATE OF MICHIGAN OPEN DATA. ESRI LIGHT GRAY BASE, & NEARMAP.

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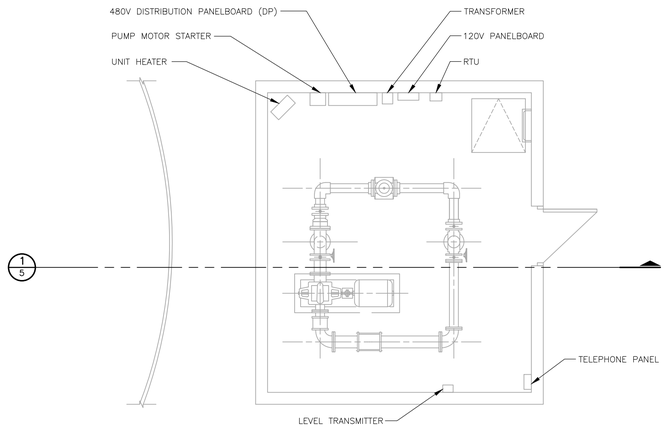
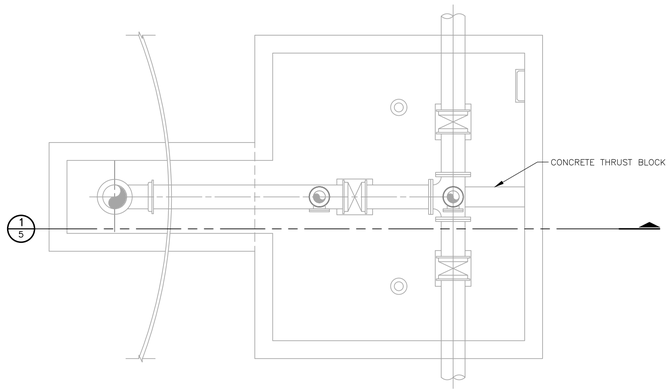


UPPER LEVEL PLAN

SCALE: 1/4" = 1'-0"

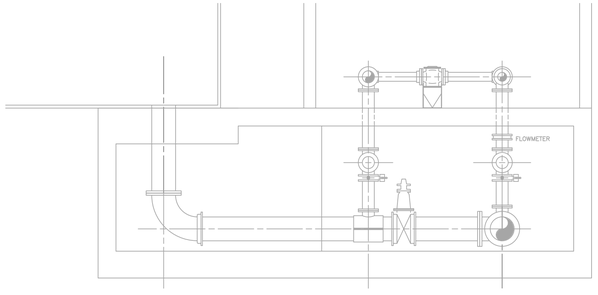
NORTH



LOWER LEVEL PLAN

SCALE: 1/4" = 1'-0"

NORTH



1 SECTION

NO SCALE

EXISTING BOOSTER STATION LAYOUT

NO SCALE

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City of Owosso
Shiawassee County, Michigan

Drinking Water State Revolving Fund PPD Amendment

REVISIONS

NOT FOR CONSTRUCTION

Drawn By	ZAG
Designer	ZAG
Reviewer	TDM
Manager	BWV

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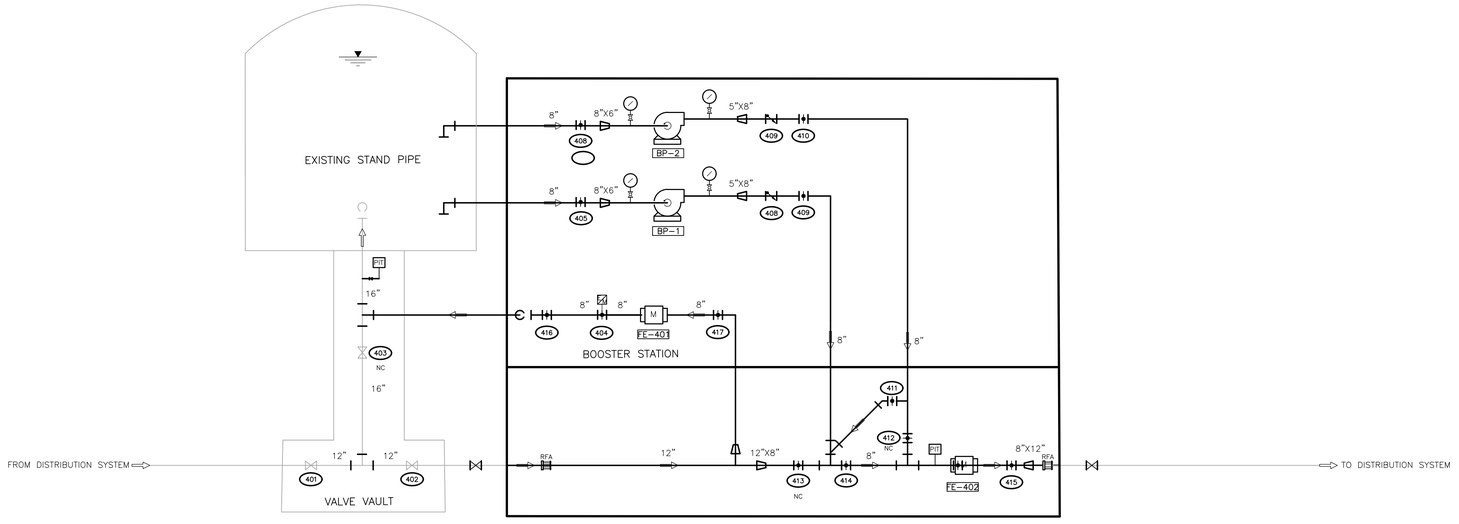
PROJECT NO.
240369

FIGURE NO.
2



PROPOSED BOOSTER STATION FLOW SCHEMATIC

NO SCALE

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City of Owosso
Shiawassee County, Michigan

Drinking Water State Revolving Fund PPD Amendment

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Drawn By	ZAG
Designer	ZAG
Reviewer	TDM
Manager	BWV

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PROJECT NO.
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FIGURE NO.
3

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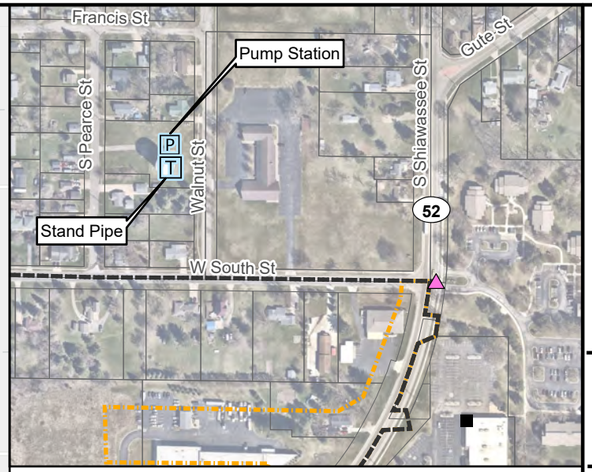
Maps



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City of Owosso
Shiawassee County, Michigan

Drinking Water State Revolving Fund
Project Planning Amendment FY26

LEGEND

- Sites of Environmental Contamination (Part 201)
- Leaking Underground Storage Tanks (Part 213 Open)
- Leaking Underground Storage Tanks (Part 213 Closed)
- PFAS Surface Water
- PFAS Sites
- Pump Station
- Stand Pipe
- Water System Boundary
- Municipal Boundaries

ENVIRONMENTAL CONTAMINATION

NORTH

0 1,500 3,000 FEET

PROJECT NO.
240369

MAP NO.
1

DATA SOURCES: PFAS SITES ACCESSED THROUGH EGLE OPEN DATA.
ENVIRONMENTAL CONTAMINATION DATA ACCESSED VIA EGLE ENVIRONMENTAL MAPPER.
CITY OF OWOSSO GIS, ESRI LIGHT GRAY BASE, & NEARMAP.

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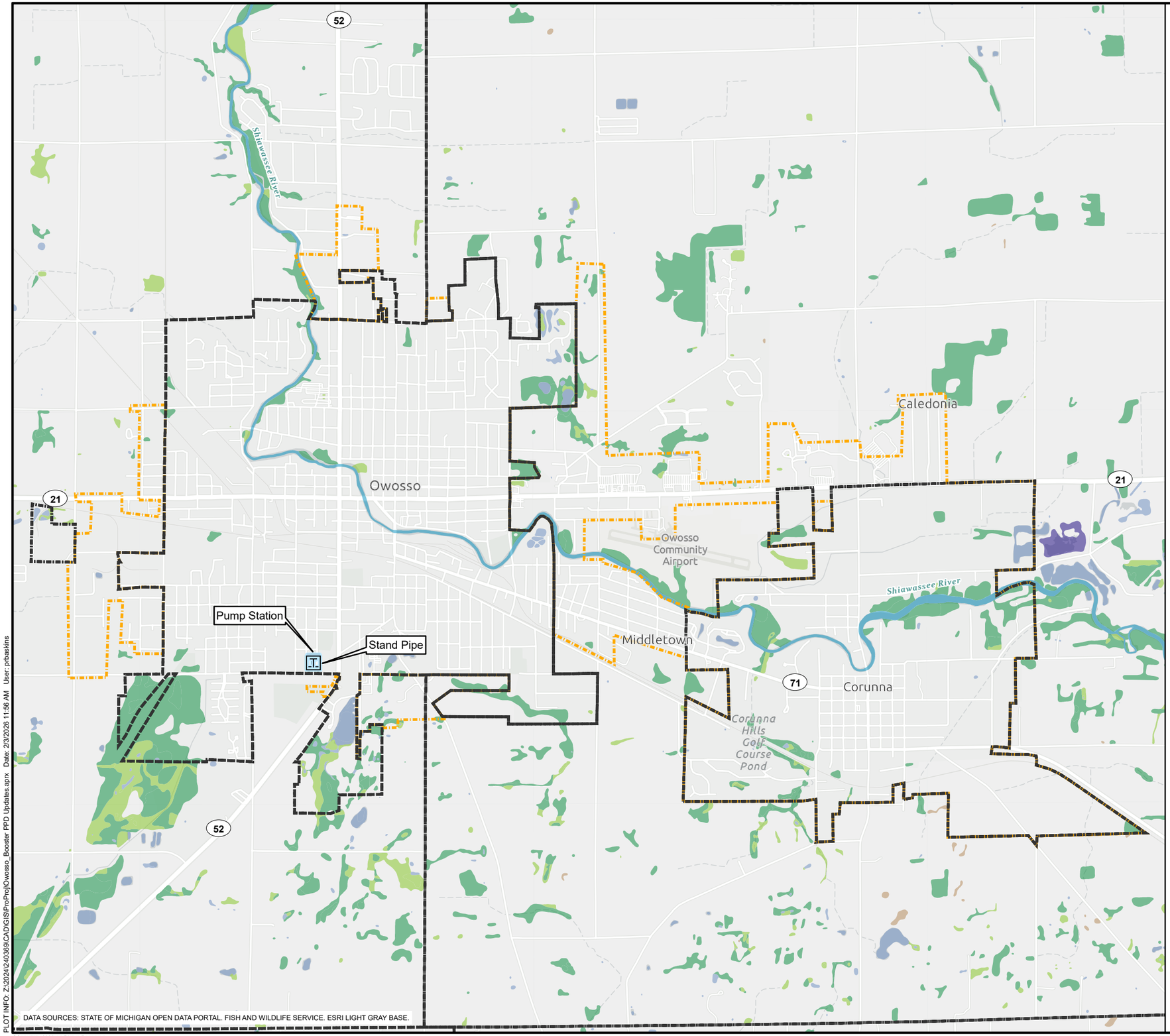

LEGEND

- Pump Station
- Stand Pipe
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine
- Water System Boundary
- Municipal Boundaries

NORTH

0 1,500 3,000 FEET

WETLANDS AND MAJOR SURFACE WATERS

DATA SOURCES: STATE OF MICHIGAN OPEN DATA PORTAL. FISH AND WILDLIFE SERVICE. ESRI LIGHT GRAY BASE.

PLOT INFO: Z:\2024\240369\CAD\GIS\ProProj\Owosso_Booster PPD Updates.aprx Date: 2/3/2026 11:56 AM User: prbaskins

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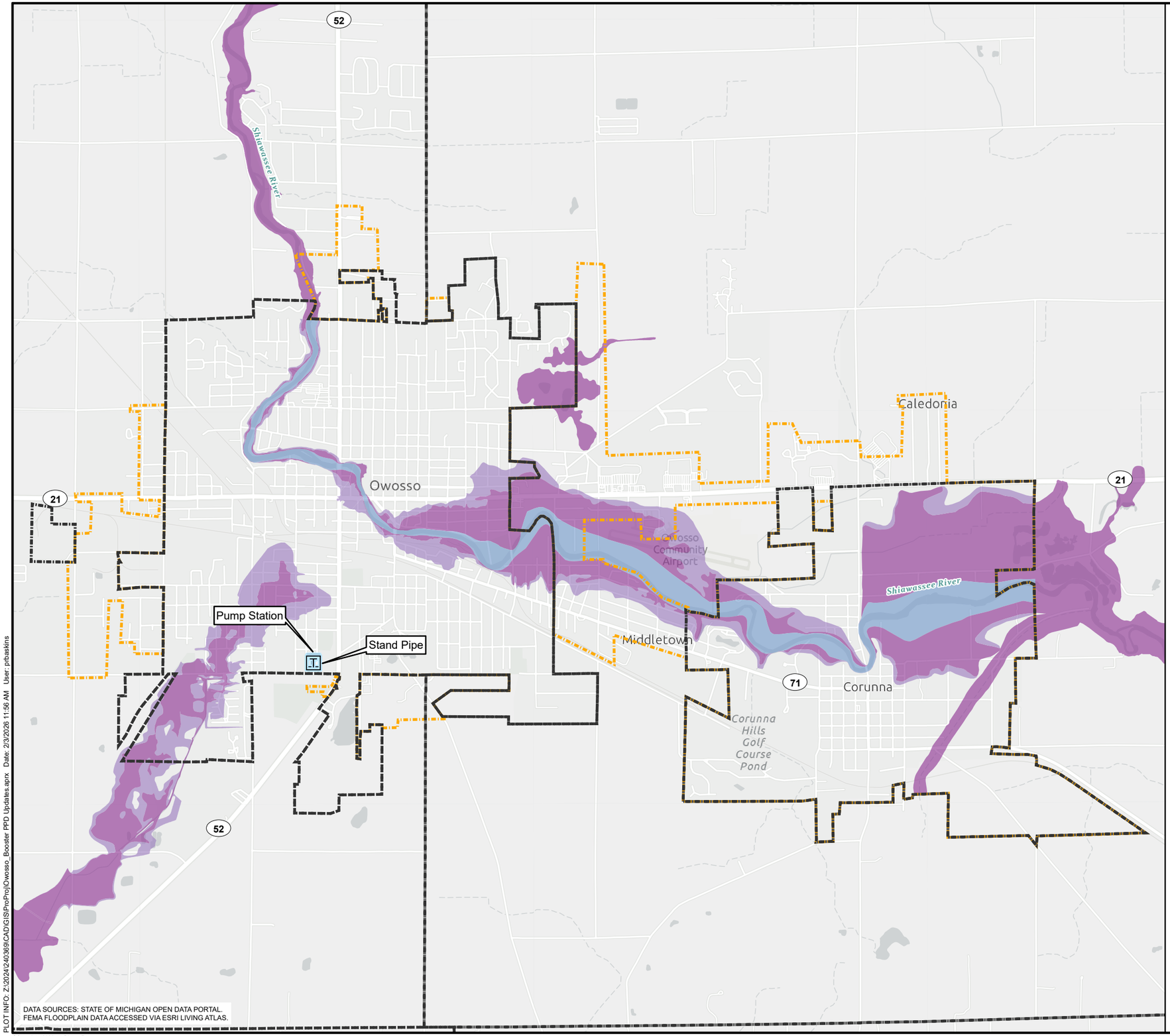
City of Owosso
Shiawassee County, Michigan

Drinking Water State Revolving Fund
Project Planning Amendment FY26

PROJECT NO.
240369

MAP NO.
2



LEGEND

- Pump Station
- Stand Pipe
- 1% Annual Chance Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Regulatory Floodway
- Water System Boundary
- Municipal Boundaries

NORTH

FEMA FLOODPLAIN

0 1,500 3,000 FEET

DATA SOURCES: STATE OF MICHIGAN OPEN DATA PORTAL.
FEMA FLOODPLAIN DATA ACCESSED VIA ESRI LIVING ATLAS.

PLOT INFO: Z:\2024\240369\CAD\GIS\ProPro\Owosso_Booster PPD Updates.aprx Date: 2/3/2026 11:56 AM User: pfoskins

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Engineers | Architects | Scientists | Constructors

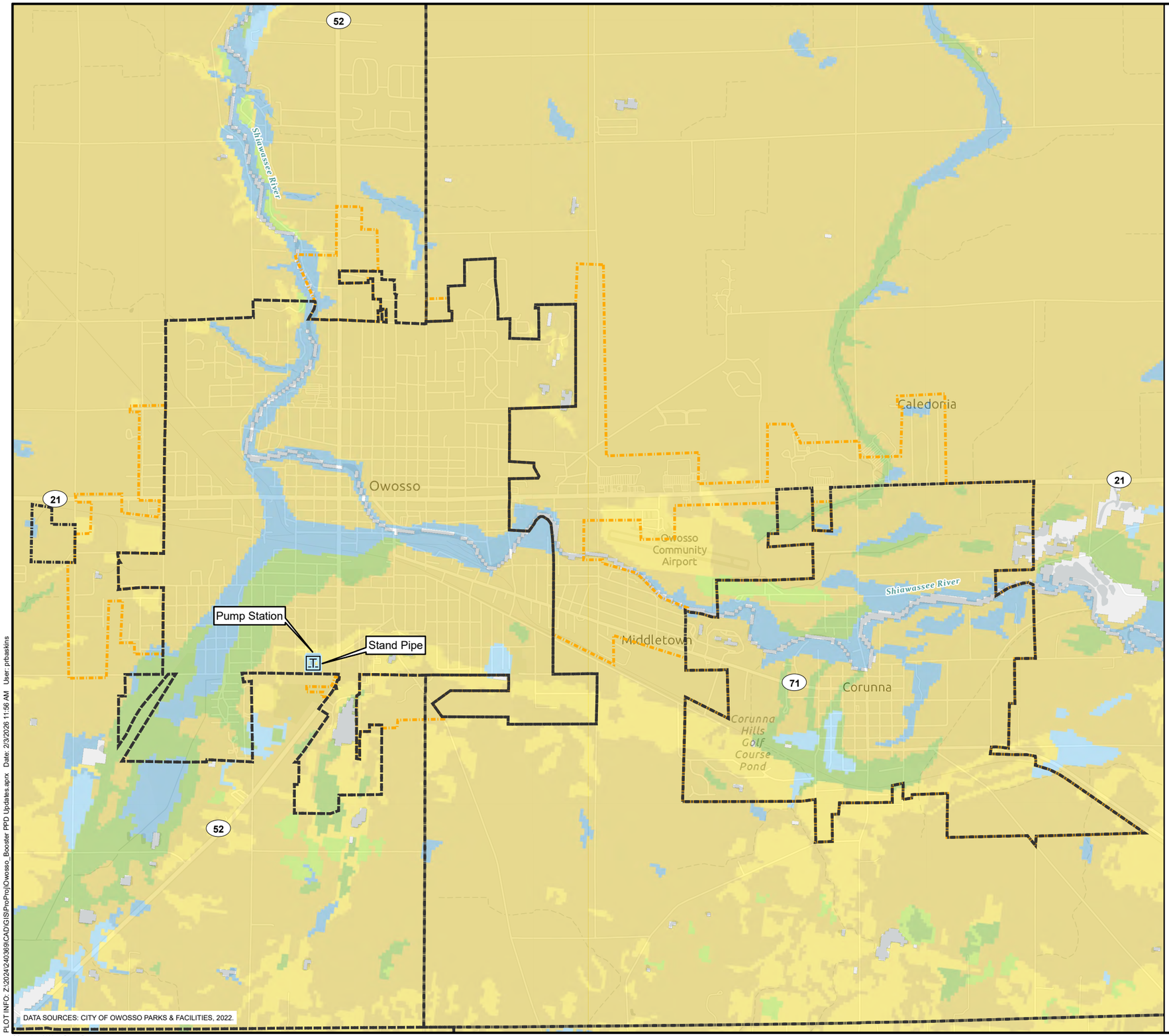
Hard copy is intended to be 11"x17" when plotted. Scale(s) indicated and graphic quality may not be accurate for any other size.

City of Owosso
Shiawassee County, Michigan

Drinking Water State Revolving Fund
Project Planning Amendment FY26

PROJECT NO.
240369

MAP NO.
3



LEGEND

- P — Pump Station
- T — Stand Pipe

USA Soils Hydrologic Group

- Group A
- Group B
- Group C
- Group A/D
- Group B/D
- Group C/D
- Water System Boundary
- Municipal Boundaries

NORTH

SOILS

0 1,500 3,000 FEET

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City of Owosso
Shiawassee County, Michigan

Drinking Water State Revolving Fund
Project Planning Amendment FY26

PROJECT NO.
240369

MAP NO.
4

PLOT INFO: Z:\2024\240369\CAD\GIS\ProPro\Owosso_Booster PPD Updates.aprx Date: 2/3/2026 11:56 AM User: prbaskins

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Appendix

1

City of Owosso DWSRF Present Worth Analysis
Construction Alternative -New Booster Station
Jan-26

Cost Item	Units	Qty	Unit Cost	Estimated Capital Cost
Demolition	LS	1	$110,000	$110,000
Pumps	EA	2	$60,000	$120,000
Process Piping	LS	1	$110,000	$110,000
Process Valve	LS	1	$140,000	$140,000
Misc. Supports, Sleeve, Penetration Allowance	LS	1	$40,000	$40,000
Instrumentation	LS	1	$90,000	$90,000
Electrical	LS	1	$520,000	$520,000
Systems Integration	LS	1	$90,000	$90,000
HVAC	LS	1	$50,000	$50,000
New Building Structure	LS	1	$320,000	$320,000
Sitework	LS	1	$215,000	$215,000
Subtotal				$1,805,000
Contractor General Conditions, Overhead and Profit (20%)				$360,000
Contingency (20%)				$430,000
Engineering/Administration/Legal (22%)				$397,100
Total Estimated Project Cost				**$3,000,000**

Cost Item	Estimated Capital Cost	Design Life (yrs)	Replace. Cost	Salvage Value
Demolition	$110,000	0	$0	$0
Pumps	$120,000	30	$0	$40,000
Process Piping	$110,000	50	$0	$70,000
Process Valve	$140,000	30	$0	$50,000
Misc. Supports, Sleeve, Penetration Allowance	$40,000	30	$0	$20,000
Instrumentation	$90,000	20	$0	$0
Electrical	$520,000	25	$0	$110,000
Systems Integration	$90,000	20	$0	$0
HVAC	$50,000	20	$0	$0
New Building Structure	$320,000	75	$0	$240,000
Sitework	$215,000	0	$0	$0
Subtotal	$1,805,000			$530,000
Contractor General Conditions, Overhead and Profit (20%)	$360,000			
Contingency (20%)	$430,000			
Engineering/Administration/Legal (22%)	$397,100			
Total Estimated Project Cost	**$3,000,000**			

20-Year Present Worth	Actual Cost	20-Year Present Worth
Capital Cost	$3,000,000	$3,000,000
Annual O&M Cost	$3,000	$50,000
Salvage Value	$530,000	($360,000)
Total Estimate of Present Worth		**$2,690,000**

Notes:
Present Worth estimated using discount rate of 2.0% *from EGLE*

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Appendix

2

Michigan Natural Features Inventory

MSU Extension

County Element Data

The lists include all elements (species and natural communities) for which locations have been recorded in MNFI's database for each county. Information from the database cannot provide a definitive statement on the presence, absence, or condition of the natural features in any given locality, since much of the state has not been specifically or thoroughly surveyed for their occurrence and the conditions at previously surveyed sites are constantly changing. The County Elements Lists should be used as a reference of which natural features currently or historically were recorded in the county and should be considered when developing land use plans.

Choose a county Shiawassee

Shiawassee County

Code Definitions

Species

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank	Occurrences in County	Last Observed in County
Alasmidonta marginata	Elktoe		SC	G4	S3?	5	2001
Alasmidonta viridis	Slippershell		T	G4G5	S2S3	4	2001
Angelica venenosa	Hairy angelica		SC	G5	S3	2	1948
Baptisia lactea	White or prairie false indigo		T	G4Q	S3	1	1928

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank	Occurrences in County	Last Observed in County
Bombus auricomus	Black and gold bumble bee		SC	G5	S2	1	1948
Calephelis muticum	Swamp metalmark		E	G3	S1	1	1981
Cambarunio iris	Rainbow		SC	GNR	S3	6	2001
Clemmys guttata	Spotted turtle		T	G5	S2	1	1980
Dennstaedtia punctilobula	Hay-scented fern		E	G5	S1	1	1889
Emydoidea blandingii	Blanding's turtle		SC	G4	S2S3	8	2021
Faxonius immunis	Calico crayfish		SC	G5	S4	3	2015
Galearis spectabilis	Showy orchis		T	G5	S2	1	1890
Haliaeetus leucocephalus	Bald eagle		SC	G5	S4	5	2021
Jeffersonia diphylla	Twinleaf		SC	G5	S3	1	2022
Juncus vaseyi	Vasey's rush		T	G5	S1S2	1	1990
Lasmigona compressa	Creek heelsplitter		SC	G5	S3	3	1934
Lasmigona costata	Flutedshell		SC	G5	SNR	1	1926
Mesomphix cupreus	Copper button		SC	G5	S1	1	1947
Microtus pinetorum	Woodland vole		SC	G5	S3S4	1	1929
Moxostoma duquesnei	Black redhorse		SC	G5	S2	1	1941
Notropis anogenus	Pugnose shiner		E	G3	S1S2	1	1987

Scientific Name	Common Name	Federal Status	State Status	Global Rank	State Rank	Occurrences in County	Last Observed in County
Plantago cordata	Heart-leaved plantain		E	G4	S1	1	1889
Pleurobema sintoxia	Round pigtoe		SC	G4G5	S3	4	2001
Ptychobranchus fasciolaris	Kidney shell		SC	G4G5	S2	2	1937
Pupilla muscorum	Widespread column		SC	G5	S2	1	1947
Schoenoplectus torreyi	Torrey's bulrush		SC	G5?	S2S3	1	1893
Sistrurus catenatus	Eastern massasauga	LT	T	G3	S3	1	1928
Speyeria idalia	Regal fritillary		X	G3?	SH	2	1975
Thamnophis butleri	Butler's garter snake		SC	G4	S4	2	1969
Trichophorum clintonii	Clinton's bulrush		SC	G4	S3	1	1990
Trillium nivale	Snow trillium		T	G4	S2	1	1994
Venustaconcha ellipsiformis	Ellipse		SC	G4	S3	6	2001

Natural Communities

Community Name	Global Rank	State Rank	Occurrences in County	Last Observed in County
No natural communities found for this county				

MICHIGAN STATE UNIVERSITY

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Appendix

3

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
1	Nathan Ayres House		November 4, 1980 (#80001891)	604 N. Water St. 43°00′11″N 84°10′23″W	Owosso	
2	Byron Historic Commercial District		September 13, 1984 (#84001848)	Roughly Saginaw St. from Maple to Water Sts. 42°49′20″N 83°56′39″W	Byron	
3	Charles H. Calkins House		March 29, 1978 (#78001511)	127 E. 1st St. 42°49′27″N 84°13′05″W	Perry	
4	Leigh Christian House		November 4, 1980 (#80001892)	622 N. Ball St. 43°00′13″N 84°10′19″W	Owosso	
5	Christian-Ellis House		November 4, 1980 (#80001893)	600 N. Water St. 43°00′10″N 84°10′23″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
6	Hezekiah W. and Sarah E. Fishell Cobb House		April 11, 1997 (#97000281)	115 W. 2nd St. 42°49′29″N 84°13′12″W	Perry	
7	Elias Comstock Cabin		November 4, 1980 (#80001894)	Curwood Castle Dr., and John St. 42°59′57″N 84°10′32″W	Owosso	
8	Corunna High School		March 13, 2017 (#100000748)	106 S. Shiawassee St. 42°58′46″N 84°07′07″W	Corunna	
9	Curwood Castle		September 3, 1971 (#71000420)	224 John St. 42°59′58″N 84°10′31″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
10	Duff Building		January 31, 1985 (#85000168)	118 W. Exchange St 42°59′56″N 84°10′18″W	Owosso	
11	Durand High School		March 17, 2009 (#09000130)	100 West Sycamore Street 42°54′55″N 83°59′11″W	Durand	
12	Frederick Frieseke Birthplace and Boyhood Home		November 4, 1980 (#80001895)	654 N. Water St. 43°00′15″N 84°10′23″W	Owosso	
13	Julius Frieseke House		April 5, 1990 (#90000574)	529 Corunna Ave. 42°59′30″N 84°09′51″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
14	Amos Gould House		November 4, 1980 (#80001896)	115 W. King St. 43°00′16″N 84°10′18″W	Owosso	
15	Daniel Gould House		November 4, 1980 (#80001897)	509 E. Main St. 42°59′52″N 84°09′51″W	Owosso	Building no longer exists.
16	Ebenezer Gould House		November 4, 1980 (#80001898)	orig. 603 W. Main St. now: 42°59′01″N 84°07′38″W	Owosso	Building relocated to historic/museum village in nearby Corunna.
17	Grand Trunk Railway Station		May 6, 1971 (#71000419)	200 Railroad St. 42°54′33″N 83°58′57″W	Durand	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
18	Grow Block		January 31, 1985 (#85000169)	120-122 W. Exchange St. 42°59′56″N 84°10′18″W	Owosso	
19	William Horton Farmhouse		April 10, 1986 (#86000711)	1647 W. Miller Rd. 42°51′49″N 84°11′52″W	Morrice	
20	House at 314 W. King St.		November 4, 1980 (#80001899)	314 W. King St. 43°00′18″N 84°10′26″W	Owosso	Replaced by a newer house at the same address.
21	John N. Ingersoll House		May 9, 1980 (#80001890)	570 W. Corunna Ave. 42°58′57″N 84°07′35″W	Corunna	
22	Eugene Jacobs House		November 4, 1980 (#80004553)	220 W. King St. 43°00′18″N 84°10′23″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
23	Lincoln School		August 8, 2016 (#16000510)	120 Michigan Ave. 42°59′50″N 84°10′29″W	Owosso	
24	Martin Road Bridge		July 12, 1991 (#91000876)	Martin Rd. across the Shiawassee River, Caledonia Township 42°58′08″N 84°03′21″W	Corunna	In 2016, the bridge was disassembled and removed by Bach Steel. Renovation is underway, and it will be re-assembled at the Auburn Heights Preserve in Yorklyn, Delaware.[5]
25	Mason Street Historic Residential District		November 4, 1980 (#80001900)	Roughly bounded by Laverock Alley, Dewey, Hickory and Exchange Sts. 42°59′57″N 84°09′54″W	Owosso	
26	Colin McCormick House		November 4, 1980 (#80001901)	222 E. Exchange St. 42°59′53″N 84°10′06″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
27	Michigan Avenue-Genesee Street Historic Residential District		November 4, 1980 (#80001902)	Roughly bounded by Michigan Ave.; Shiawassee, Cass and Clinton Sts. 42°59′43″N 84°10′32″W	Owosso	
28	Selden Miner House		November 4, 1980 (#80001903)	418 W. King St. 43°00′18″N 84°10′32″W	Owosso	
29	Old Miller Hospital		November 4, 1980 (#80001904)	121 Michigan Ave. 42°59′48″N 84°10′29″W	Owosso	
30	Oliver Street Historic District	 More images	November 4, 1980 (#80001905)	Oliver St. between 3rd and Oak Sts., Williams and Goodhue Sts. 43°00′06″N 84°10′24″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
31	Sylvester Opdyke House		November 4, 1980 (#80001906)	655 N. Pine St. 43°00′16″N 84°10′33″W	Owosso	
32	Owosso Downtown Historic District		April 7, 2014 (#14000126)	Roughly bounded by Shiawassee R., Comstock, Water, Park and Mason Sts. 42°59′53″N 84°10′14″W	Owosso	
33	Albert Palmer House		November 4, 1980 (#80001907)	528-530 River St. 42°59′58″N 84°10′43″W	Owosso	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
34	George Pardee House		November 4, 1980 (#80001908)	603 N. Ball St. 43°00′10″N 84°10′20″W	Owosso	
35	Pere Marquette Railway Steam Locomotive No. 1225		July 31, 1994 (#94000744)	600 S. Oakwood St. 42°59′35″N 84°09′53″W	Owosso	
36	George Perrigo House		November 4, 1980 (#80001909)	213 N. Cedar St. 42°59′56″N 84°10′55″W	Owosso	
37	Shiawassee County Courthouse		November 12, 1982 (#82000546)	Shiawassee St. 42°58′53″N 84°07′02″W	Corunna	see Claire Allen for more info

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
38	Edwin Todd House		November 4, 1980 (#80001910)	520 N. Adams St. 43°00′10″N 84°10′28″W	Owosso	
39	West Town Historic Commercial and Industrial District		November 4, 1980 (#80001911)	Main St. 42°59′55″N 84°11′02″W	Owosso	
40	Alfred Williams House		November 4, 1980 (#80001912)	611 N. Ball St. 43°00′12″N 84°10′20″W	Owosso	
41	Benjamin Williams House		November 4, 1980 (#80001913)	628 N. Ball St. 43°00′14″N 84°10′19″W	Owosso	
42	Williams-Cole House		December 4, 1986 (#86003418)	6810 Newburg Rd. 42°54′35″N 84°01′49″W	Durand	

National Register of Historic Places Listings in Shiawassee County, Michigan

[2]	Name on the Register[3]	Image	Date listed[4]	Location	City or town	Description
43	Lee Woodard and Sons Building		November 4, 1980 (#80001914)	306 S. Elm St. 42°59′42″N 84°10′42″W	Owosso	
44	Lyman Woodard Company Workers' Housing		November 4, 1980 (#80001916)	601 Clinton St. 42°59′47″N 84°10′43″W	Owosso	
45	Lyman Woodard Furniture and Casket Company Building		November 4, 1980 (#80001915)	216-222 Elm St. 42°59′44″N 84°10′43″W	Owosso	

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Appendix

4

RESOLUTION NO. 52-2025

SPECIFIC CAPITAL IMPROVEMENT PLAN OPTION:
WATER AND SEWER RATE SCHEDULE
FOR THE CITY FISCAL YEARS BEGINNING JULY 1, 2025 THROUGH JUNE 30, 2030

"Pursuant to Sections 34-248. Water Rates, and 34-249. Sewer Rates, of Article V, of Chapter 34, of the Owosso City Code, the City Council does hereby resolve that the revised rate schedule for water and sewer service shall be in effect for the City fiscal years 2025-26 through 2029-30 and continuing thereafter until modified or replaced by further Council action. Bills issued with a nominal bill date of June 30th, covering the quarter from April to June, shall be billed under the previous rate schedule. Rates for future fiscal years will become effective on July 1st of the fiscal year noted. All previous resolutions or parts thereof, insofar as the same may be in conflict herewith, are hereby repealed following the effective date of this schedule."

I. QUARTERLY WATER AND SEWER RATES

In-town quarterly water service charges consist of: a demand charge based on water meter size, a capital charge dedicated for water main replacement, and a metered usage charge (see tables below for appropriate fiscal year). One meter unit is equal to 100 cubic feet of water or about 750 gallons. Rates for retail out-of-town water service are double the in-town rate, except that the capital charge does not apply to out-of-town customers where the respective Township separately finances water main replacement. Twenty five percent of the out-of-town revenue is collected for and transferred to the respective Township for use in replacing and improving their water distribution system.

Quarterly sewer charges consist of a demand charge based on the water meter size (see table below) and a sewer usage charge based on metered water consumption. The City has no retail out-of-town sewer service.

Bills are issued on a quarterly basis and, if not paid by the due date as shown on the billing, a late payment charge of ten percent (10%) of the current amount due may be added for failure to make prompt payment.

A. POTABLE WATER SERVICE

QUARTERLY WATER SERVICE CHARGES CONSIST OF:

In-town: In-town Water Usage Charge – charged per meter unit
In-town Water Demand Charge – based on water meter size
\+ Capital Charge – based on water meter size
TOTAL IN-TOWN QUARTERLY WATER SERVICE CHARGES

Out-of-town: Out-of-town Water Usage Charge - charged per meter unit
\+ Out-of-town Water Demand Charge – based on water meter size
TOTAL OUT-OF-TOWN QUARTERLY WATER SERVICE CHARGES

Consult the chart below from the appropriate fiscal year to determine applicable charges:

WATER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2025 - JUNE 30, 2026

Meter Size	In-town Usage	In-town Demand	In-town Capital	Out-of-town Usage	Out-of-town Demand
5/8"	$4.14	$53.94	$35.51	$8.28	$107.87
3/4"	$4.14	$80.91	$53.28	$8.28	$161.81

WATER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2025 - JUNE 30, 2026 (cont.)

Meter Size	In-town Usage	In-town Demand	In-town Capital	Out-of-town Usage	Out-of-town Demand
1"	$4.14	$134.84	$88.80	$8.28	$269.68
1.5"	$4.14	$269.68	$177.59	$8.28	$539.36
2"	$4.14	$431.50	$284.15	$8.28	$862.98
3"	$4.14	$809.04	$532.78	$8.28	$1,618.09
4"	$4.14	$1,348.40	$887.98	$8.28	$2,696.81
6"	$4.14	$2,696.81	$1,775.95	$8.28	$5,393.62
8"	$4.14	$4,315.20	$2,841.09	$8.28	$8,629.41
10"	$4.14	$6,203.10	$4,084.06	$8.28	$12,404.77
12"	$4.14	$11,597.10	$7,635.42	$8.28	$23,191.53

WATER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2026 - JUNE 30, 2027

Meter Size	In-town Usage	In-town Demand	In-town Capital	Out-of-town Usage	Out-of-town Demand
5/8"	$5.14	$66.89	$44.04	$10.27	$133.76
3/4"	$5.14	$100.33	$66.07	$10.27	$200.64
1"	$5.14	$167.20	$110.11	$10.27	$334.40
1.5"	$5.14	$334.40	$220.22	$10.27	$668.81
2"	$5.14	$535.05	$352.34	$10.27	$1,070.09
3"	$5.14	$1,003.21	$660.65	$10.27	$2,006.43
4"	$5.14	$1,672.02	$1,101.09	$10.27	$3,344.05
6"	$5.14	$3,344.05	$2,202.18	$10.27	$6,688.08
8"	$5.14	$5,350.85	$3,522.95	$10.27	$10,700.47
10"	$5.14	$7,691.84	$5,064.24	$10.27	$15,381.92
12"	$5.14	$14,380.40	$9,467.93	$10.27	$28,757.50

WATER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2027 - JUNE 30, 2028

Meter Size	In-town Usage	In-town Demand	In-town Capital	Out-of-town Usage	Out-of-town Demand
5/8"	$5.75	$74.91	$49.32	$11.50	$149.81
3/4"	$5.75	$112.37	$74.00	$11.50	$224.72
1"	$5.75	$187.26	$123.32	$11.50	$374.52
1.5"	$5.75	$374.52	$246.64	$11.50	$749.07
2"	$5.75	$599.26	$394.62	$11.50	$1,198.50
3"	$5.75	$1,123.59	$739.92	$11.50	$2,247.20
4"	$5.75	$1,872.66	$1,233.22	$11.50	$3,745.34
6"	$5.75	$3,745.34	$2,466.44	$11.50	$7,490.65
8"	$5.75	$5,992.95	$3,945.70	$11.50	$11,984.52
10"	$5.75	$8,614.87	$5,671.95	$11.50	$17,227.75
12"	$5.75	$16,106.05	$10,604.08	$11.50	$32,208.40

WATER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2028 - JUNE 30, 2029

Meter Size	In-town Usage	In-town Demand	In-town Capital	Out-of-town Usage	Out-of-town Demand
5/8"	$6.44	$83.90	$55.24	$12.88	$167.78
3/4"	$6.44	$125.85	$82.88	$12.88	$251.68
1"	$6.44	$209.73	$138.12	$12.88	$419.47
1.5"	$6.44	$419.47	$276.24	$12.88	$838.96
2"	$6.44	$671.17	$441.98	$12.88	$1,342.32
3"	$6.44	$1,258.42	$828.71	$12.88	$2,516.87
4"	$6.44	$2,097.38	$1,381.21	$12.88	$4,194.78
6"	$6.44	$4,194.78	$2,762.42	$12.88	$8,389.53
8"	$6.44	$6,712.10	$4,419.19	$12.88	$13,422.66
10"	$6.44	$9,648.65	$6,352.58	$12.88	$19,295.08
12"	$6.44	$18,038.78	$11,876.57	$12.88	$36,073.41

WATER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2029 - JUNE 30, 2030

Meter Size	In-town Usage	In-town Demand	In-town Capital	Out-of-town Usage	Out-of-town Demand
5/8"	$6.64	$86.42	$56.90	$13.27	$172.82
3/4"	$6.64	$129.63	$85.37	$13.27	$259.24
1"	$6.64	$216.03	$142.26	$13.27	$432.05
1.5"	$6.64	$432.05	$284.52	$13.27	$864.12
2"	$6.64	$691.31	$455.24	$13.27	$1,382.59
3"	$6.64	$1,296.18	$853.57	$13.27	$2,592.37
4"	$6.64	$2,160.30	$1,422.64	$13.27	$4,320.62
6"	$6.64	$4,320.62	$2,845.29	$13.27	$8,641.22
8"	$6.64	$6,913.47	$4,551.76	$13.27	$13,825.34
10"	$6.64	$9,938.11	$6,543.16	$13.27	$19,873.93
12"	$6.64	$18,579.94	$12,232.86	$13.27	$37,155.61

For a residential user with a second 3/4” meter on a single service line for water only irrigation service, the user shall be charged a single water demand and capital charge for a 3/4” meter as a separate/additional metered service on a year round basis.

The demand charge for multiple residential units served by a single water meter shall be based on actual meter size provided the meter meets the minimum size requirement. See table in WATER AND SEWER CONNECTION CHARGE POLICIES.

B. SEWER SERVICE

QUARTERLY SEWER SERVICE CHARGES CONSIST OF:

Sewer Usage Charge – charged per meter unit
\+ Sewer Demand Charge – based on water meter size
TOTAL QUARTERLY SEWER SERVICE CHARGES

or

For residential customers without metered water service,
the quarterly sewer charge shall be the following per residential unit:

Quarterly sewer service charge – No water	
2025-26	$203.21
2026-27	$256.05
2027-28	$322.62
2028-29	$335.53
2029-30	$348.95

Consult the chart below from the appropriate fiscal year to determine applicable charges for Sewer Service charges based on water meter size:

SEWER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2025 - JUNE 30, 2026		
Meter Size	**Usage**	**Demand**
5/8"	$6.43	$53.21
3/4"	$6.43	$79.82
1"	$6.43	$133.03
1.5"	$6.43	$266.05
2"	$6.43	$425.68
3"	$6.43	$798.15
4"	$6.43	$1,330.25
6"	$6.43	$2,660.49
8"	$6.43	$4,256.78
10"	$6.43	$6,119.13
12"	$6.43	$11,440.11

SEWER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2026 - JUNE 30, 2027		
Meter Size	**Usage**	**Demand**
5/8"	$8.10	$67.04
3/4"	$8.10	$100.57
1"	$8.10	$167.62
1.5"	$8.10	$335.22
2"	$8.10	$536.35
3"	$8.10	$1,005.67
4"	$8.10	$1,676.11
6"	$8.10	$3,352.22
8"	$8.10	$5,363.55
10"	$8.10	$7,710.10
12"	$8.10	$14,414.53

SEWER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2027 - JUNE 30, 2028		
Meter Size	**Usage**	**Demand**
5/8"	$10.20	$84.48
3/4"	$10.20	$126.72
1"	$10.20	$211.20
1.5"	$10.20	$422.38
2"	$10.20	$675.81
3"	$10.20	$1,267.14
4"	$10.20	$2,111.90
6"	$10.20	$4,223.79
8"	$10.20	$6,758.07
10"	$10.20	$9,714.73
12"	$10.20	$18,162.31

SEWER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2028 - JUNE 30, 2029		
Meter Size	**Usage**	**Demand**
5/8"	$10.61	$87.85
3/4"	$10.61	$131.79
1"	$10.61	$219.65
1.5"	$10.61	$439.27
2"	$10.61	$702.84
3"	$10.61	$1,317.82
4"	$10.61	$2,196.37
6"	$10.61	$4,392.75
8"	$10.61	$7,028.39
10"	$10.61	$10,103.32
12"	$10.61	$18,888.81

SEWER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2029 - JUNE 30, 2030		
Meter Size	**Usage**	**Demand**
5/8"	$11.03	$91.37
3/4"	$11.03	$137.06
1"	$11.03	$228.43
1.5"	$11.03	$456.85
2"	$11.03	$730.95
3"	$11.03	$1,370.54
4"	$11.03	$2,284.23
6"	$11.03	$4,568.46
8"	$11.03	$7,309.53
10"	$11.03	$10,507.45
12"	$11.03	$19,644.36

C. FIRE PROTECTION SERVICE

Consult the chart below from the current fiscal year to determine appropriate Quarterly Water Charge for Sprinkler Service:

SPRINKLER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2025 - JUNE 30, 2026			
Riser Size	**In Town Demand**	**In Town Capital**	**Out of Town Demand**
3	$53.94	$35.51	$107.87
4	$80.91	$53.28	$161.81
6	$133.60	$88.80	$269.68
8	$269.68	$177.59	$539.36
10	$431.50	$284.15	$862.98

SPRINKLER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2026 - JUNE 30, 2027			
Riser Size	**In Town Demand**	**In Town Capital**	**Out of Town Demand**
3	$66.89	$44.04	$133.76
4	$100.33	$66.07	$200.64
6	$165.66	$110.11	$334.40
8	$334.40	$220.22	$668.81
10	$535.05	$352.34	$1,070.09

SPRINKLER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2027 - JUNE 30, 2028			
Riser Size	**In Town Demand**	**In Town Capital**	**Out of Town Demand**
3	$74.91	$49.32	$149.81
4	$112.37	$74.00	$224.72
6	$185.54	$123.32	$374.52
8	$374.52	$246.64	$749.07
10	$599.26	$394.62	$1,198.50

SPRINKLER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2028 - JUNE 30, 2029			
Riser Size	**In Town Demand**	**In Town Capital**	**Out of Town Demand**
3	$83.90	$55.24	$167.78
4	$125.85	$82.88	$251.68
6	$207.81	$138.12	$419.47
8	$419.47	$276.24	$838.96
10	$671.17	$441.98	$1,342.32

SPRINKLER SERVICE CHARGES FOR FISCAL YEAR JULY 1, 2029 - JUNE 30, 2030			
Riser Size	**In Town Demand**	**In Town Capital**	**Out of Town Demand**
3	$86.42	$56.90	$172.82
4	$129.63	$85.37	$259.24
6	$214.04	$142.26	$432.05
8	$432.05	$284.52	$864.12
10	$691.31	$455.24	$1,382.59

II. HYDRANT RENTAL CHARGES

Hydrants located outside the City of Owosso and private hydrants maintained by the City of Owosso shall be subject to an annual hydrant rental charge of $170.00.

III. BULK WATER CHARGES

For users with an active city water service connection, bulk water delivered by the city from hydrants or other approved outlets for such purposes as pool filling, shall be charged at the standard metered usage rate given in Section I. above along with actual labor and equipment costs with a minimum charge of $120.00.

Other bulk water sales, such as filling tank trucks, shall be charged at the rate of $24.00 per thousand gallons with a $120.00 minimum charge, which includes up to 5,000 gallons, if during the normal workday at an established city delivery point. After hours bulk water sales and/or sales at other than established city delivery points, shall be charged at the rate of $24.00 per thousand gallons plus actual labor and equipment costs.

For customers who do not prepay a $100 service charge shall apply for invoicing.

(Note: These charges do not apply to water supplied for fire fighting).

IV. INCREMENTAL WATER AND SEWER USAGE CHARGES FOR BILLING ADJUSTMENTS RELATED TO PLUMBING LEAKS

The incremental water and sewer usage charges shall be 50% of the normal usage charge. These incremental usage rates are for the purpose of making adjustments to significantly high bills attributable to plumbing leaks and may be applied in accordance with Guidelines separately approved by the Owosso City Council.

V. EXTRA STRENGTH WASTEWATER SURCHARGES

Extra strength wastewater surcharges shall apply to those users of the City wastewater treatment system approved for the discharge of extra strength wastewater in accordance with Section 34-170. of the Owosso City Code. The surcharge rate shall be applied to loadings in excess of the base or normal strength loading.

EXTRA STRENGTH WASTEWATER SURCHARGE SCHEDULE

PARAMETER	BASE	SURCHARGE
BOD-5	220 MG/L	$0.24/pound in excess of base
TSS	300 MG/L	$0.38/pound in excess of base
TP	10 MG/L	$3.16/pound in excess of base
NH3-N	20 MG/L	$1.69/pound in excess of base

(Note: BOD-5 = Biochemical Oxygen Demand; TSS = Total Suspended Solids; TP = Total Phosphorous; NH3-N = Ammonia Nitrogen; MG/L = Milligrams per Liter)."

I hereby certify that the foregoing document is a true and complete copy of a resolution authorized by the Owosso City Council at the regular meeting of May 7, 2025.

Amy K. Kirkland, City Clerk