OHIO PUBLIC WORKS FOR YOU

State of Ohio

Public Works Commission

Application for Financial Assistance

IMPORTANT: Please consult "Instructions for Financial Assistance for Capital Infrastructure Projects" for guidance in completion of this form.

Applicant

Applicant: Northwestern Water & Sewer District Subdivision Code: 173-00255

District Number: 5 County: Wood Date: 09/03/2019

Contact: Garret Chamberlain, P.E., Assistant Engineer Phone: (419) 354-9090
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: gchamberlain@nwwsd.org FAX: (419) 354-9344

Project

Project Name: Willowbend Pump Station and Force Main Replacement Zip Code: 43551

Subdivision Type

(Select one)

- [ ] 1. County
- [ ] 2. City
- [ ] 3. Township
- [ ] 4. Village
- [x] 5. Water (6119 Water District)

Project Type

(Select single largest component by $)

- [ ] 1. Road
- [ ] 2. Bridge/Culvert
- [ ] 3. Water Supply
- [x] 4. Wastewater
- [ ] 5. Solid Waste
- [ ] 6. Stormwater

Funding Request Summary

(Automatically populates from page 2)

Total Project Cost:	2,226,000 .00
1. Grant:	131,250 .00
2. Loan:	131,250 .00
3. Loan Assistance/ Credit Enhancement:	0 .00
Funding Requested:	262,500 .00

District Recommendation (To be completed by the District Committee)

Funding Type Requested

(Select one)

- [ ] State Capital Improvement Program
- [ ] Local Transportation Improvement Program
- [ ] Revolving Loan Program
- [ ] Small Government Program

District SG Priority: _____

SCIP Loan - Rate: ____ % Term: ____ Yrs Amount: _____ .00

RLP Loan - Rate: ____ % Term: ____ Yrs Amount: _____ .00

Grant: Amount: _____ .00

LTIP: Amount: _____ .00

Loan Assistance / Credit Enhancement: Amount: _____ .00

For OPWC Use Only

STATUS

Project Number: _____

_____

Release Date: _____

OPWC Approval: _____

Grant Amount: _____ .00

Loan Amount: _____ .00

Total Funding: _____ .00

Local Participation: _____ %

OPWC Participation: _____ %

Loan Type: [ ] SCIP [ ] RLP

Date Construction End: _____

Date Maturity: _____

Rate: _____ %

Term: _____ Yrs

1.0 Project Financial Information (All Costs Rounded to Nearest Dollar)

1.1 Project Estimated Costs

Engineering Services

Preliminary Design:	19,100 .00			
Final Design:	139,730 .00			
Construction Administration:	65,090 .00			
Total Engineering Services:		a.)	223,920 .00	15 %
Right of Way:		b.)	100,000 .00	
Construction:		c.)	1,492,800 .00	
Materials Purchased Directly:		d.)	250,000 .00	
Permits, Advertising, Legal:		e.)	10,000 .00	
Construction Contingencies:		f.)	149,280 .00	10 %
Total Estimated Costs:		g.)	2,226,000 .00	

1.2 Project Financial Resources

Local Resources

Local In-Kind or Force Account:	a.)		.00
Local Revenues:	b.)		.00
Other Public Revenues:	c.)		.00
ODOT / FHWA PID:	d.)		.00
USDA Rural Development:	e.)		.00
OEPA / OWDA:	f.)	1,963,500	.00
CDBG: ☐ County Entitlement or Community Dev. "Formula" ☐ Department of Development	g.)		.00
Other:	h.)		.00
Subtotal Local Resources:	i.)	1,963,500	.00 88 %

OPWC Funds (Check all requested and enter Amount)

Grant: 50 % of OPWC Funds	j.)	131,250	.00
Loan: 50 % of OPWC Funds	k.)	131,250	.00
Loan Assistance / Credit Enhancement:	l.)	0	.00
Subtotal OPWC Funds:	m.)	262,500	.00 12 %
Total Financial Resources:	n.)	2,226,000	.00 100 %

1.3 Availability of Local Funds

Attach a statement signed by the Chief Financial Officer listed in section 5.2 certifying all local resources required for the project will be available on or before the earliest date listed in the Project Schedule section. The OPWC Agreement will not be released until the local resources are certified. Failure to meet local share may result in termination of the project. Applicant needs to provide written confirmation for funds coming from other funding sources.

2.0 Repair / Replacement or New / Expansion

2.1 Total Portion of Project Repair / Replacement:	2,226,000 .00	100 %	A Farmland Preservation letter is required for any impact to farmland
2.2 Total Portion of Project New / Expansion:	0 .00	0 %	
2.3 Total Project:	2,226,000 .00	100 %	

3.0 Project Schedule

3.1 Engineering / Design / Right of Way	Begin Date: 11/15/2019	End Date: 05/01/2020
3.2 Bid Advertisement and Award	Begin Date: 06/01/2020	End Date: 07/15/2020
3.3 Construction	Begin Date: 09/01/2020	End Date: 06/30/2021

Construction cannot begin prior to release of executed Project Agreement and issuance of Notice to Proceed.

Failure to meet project schedule may result in termination of agreement for approved projects. Modification of dates must be requested in writing by project official of record and approved by the Commission once the Project Agreement has been executed.

4.0 Project Information

If the project is multi-jurisdictional, information must be consolidated in this section.

4.1 Useful Life / Cost Estimate / Age of Infrastructure

Project Useful Life: 25 Years Age: 1975 (Year built or year of last major improvement)

Attach Registered Professional Engineer's statement, with seal or stamp and signature confirming the project's useful life indicated above and detailed cost estimate.

4.2 User Information

Road or Bridge: Current ADT _____ Year _____ Projected ADT _____ Year _____

Water / Wastewater: Based on monthly usage of 4,500 gallons per household; attach current ordinances.

Residential Water Rate Current $ 29.09 Proposed $ 29.09

Number of households served: 1,080

Residential Wastewater Rate Current $ 49.59 Proposed $ 49.59

Number of households served: 1,080

Stormwater: Number of households served: 0

4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 500 character limit.

The following residential subdivisions are located within the Lucas County Sanitary Sewer Service Area:
1. Willowbend
2. Saddlebrook
3. Riverbend
4. Village at River Bend Lakes
5. Hull Prairie Meadows
6. Carrington Woods
7. The Sanctuary

The pumpstation is located on River Road near Willowbend Road. The forcemain extends north, crossing the Maumee River to Jerome Road and the Lucas County Wastewater Treatment Plant.

B: PROJECT COMPONENTS (Describe the specific work to be completed; the engineer's estimate does not replace this requirement) 1,000 character limit.

The projected initial pumping capacity required at Willowbend Pump Station is 1,000 gpm. The existing pump station and force main are inadequate to provide this required capacity. A new pump station, and 12-inch force main including both pumps and equipment, is recommended to replace the existing Willowbend Pump Station.

New electrical and control equipment will be required as part of the project.

Some communication equipment will be reused as part of the project.

The new pump station will include a deepened wet well sized to achieve acceptable run and cycle times as well as additional free board to prevent basement flooding.

C: PHYSICAL DIMENSIONS (Describe the physical dimensions of the existing facility and the proposed facility. Include length, width, quantity and sizes, mgd capacity, etc in detail.) 500 character limit.

The pump station will be fitted with 2 submersible pumps (45 hp) rated for 1,000 gpm placed in an 10x10 wet well.

3,700-feet of 12-inch force main will be constructed to connect to an existing petroleum pipeline being purchased by the District from Buckeye Pipeline to be repurposed as a force main.

5.0 Project Officials

Changes in Project Officials must be submitted in writing from an officer of record.

5.1 Chief Executive Officer

(Person authorized in legislation to sign project agreements)

Name: Jerry Greiner

Title: President

Address: 12560 Middleton Pike

PO Box 348

City: Bowling Green State: OH Zip: 43402

Phone: (419) 354-9090

FAX: (419) 354-9344

E-Mail: jgreiner@nwwsd.org

5.2 Chief Financial Officer

(Can not also serve as CEO)

Name: Kay Ball

Title: CFO

Address: 12560 Middleton Pike

PO Box 348

City: Bowling Green State: OH Zip: 43402

Phone: (419) 354-9090

FAX: (419) 354-9344

E-Mail: kball@nwwsd.org

5.3 Project Manager

Name: Garret Chamberlain, P.E.

Title: Assistant Engineer

Address: 12560 Middleton Pike

PO Box 348

City: Bowling Green State: OH Zip: 43402

Phone: (419) 354-9090

FAX: (419) 354-9344

E-Mail: gchamberlain@nwwsd.org

6.0 Attachments / Completeness review

Confirm in the boxes below that each item listed is attached (Check each box)

- [x] A certified copy of the legislation by the governing body of the applicant authorizing a designated official to sign and submit this application and execute contracts. This individual should sign under 7.0, Applicant Certification, below.

- [x] A certification signed by the applicant's chief financial officer stating the amount of all local share funds required for the project will be available on or before the dates listed in the Project Schedule section. If the application involves a request for loan (RLP or SCIP), a certification signed by the CFO which identifies a specific revenue source for repaying the loan also must be attached. Both certifications can be accomplished in the same letter.

- [x] A registered professional engineer's detailed cost estimate and useful life statement, as required in 164-1-13, 164-1-14, and 164-1-16 of the Ohio Administrative Code. Estimates shall contain an engineer's seal or stamp and signature.

- [ ] A cooperative agreement (if the project involves more than one subdivision or district) which identifies the fiscal and administrative responsibilities of each participant.

- [x] Farmland Preservation Review - The Governor's Executive Order 98-IIV, "Ohio Farmland Protection Policy" requires the Commission to establish guidelines on how it will take protection of productive agricultural and grazing land into account in its funding decision making process. Please include a Farm Land Preservation statement for projects that have an impact on farmland.

- [ ] Capital Improvements Report. CIR Required by O.R.C. Chapter 164.06 on standard form.

- [x] Supporting Documentation: Materials such as additional project description, photographs, economic impact (temporary and/or full time jobs likely to be created as a result of the project), accident reports, impact on school zones, and other information to assist your district committee in ranking your project. Be sure to include supplements which may be required by your local District Public Works Integrating Committee.

7.0 Applicant Certification

The undersigned certifies: (1) he/she is legally authorized to request and accept financial assistance from the Ohio Public Works Commission as identified in the attached legislation; (2) to the best of his/her knowledge and belief, all representations that are part of this application are true and correct; (3) all official documents and commitments of the applicant that are part of this application have been duly authorized by the governing body of the applicant; and, (4) should the requested financial assistance be provided, that in the execution of this project, the applicant will comply with all assurances required by Ohio Law, including those involving Buy Ohio and prevailing wages.

Applicant certifies that physical construction on the project as defined in the application has NOT begun, and will not begin until a Project Agreement for this project has been executed with the Ohio Public Works Commission. Action to the contrary will result in termination of the agreement and withdrawal of Ohio Public Works Commission funding from the project.

Jerry Greiner, President

Certifying Representative (Printed form, Type or Print Name and Title)

9/6/2019

Original Signature / Date Signed

RESOLUTION NO. 2019-96

Authorization to participate in the Ohio Public Works Commission State Capital Improvement for various sewer projects	} } }	Northwestern Water and Sewer District August 22, 2019

Trustee Michaels moved the adoption of the following Resolution:

A resolution authorizing Jerry Greiner, President to prepare and submit an application to participate in the Ohio Public Works Commission State Capital Improvement and/or local transportation improvement program(s) and to execute contracts as required.

WHEREAS, the State Capital Improvement Program and the Local Transportation Improvement Program both provide financial assistance to political subdivisions for capital improvements to public infrastructure, and

WHEREAS, the Northwestern Water and Sewer District is planning to make capital improvements to the pumpstation at the Willowbend Subdivision; and

WHEREAS, The Northwestern Water and Sewer District is planning to make capital improvements to the pumpstation at Ford Road; and

WHEREAS, the infrastructure improvements herein above described are considered to be a priority need for the community and are qualified projects under the OPWC programs,

NOW THEREFORE, BE IT RESOLVED by the Northwestern Water and Sewer District:

Section 1: The President is hereby authorized to apply to the OPWC for funds as described above.

Section 2: The President is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

RESOLVED, That this Northwestern Water and Sewer District Board of Trustees

hereby finds and determines that all formal actions relative to the passage of this resolution were taken in open meetings of this Board, and that all deliberations of the Board and of its committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22, Ohio Revised Code.

Trustee Armstrong seconded the resolution and the roll being called on its adoption, the vote resulted as follows:

YES 8 NO 0 ABSTAIN 0

Chairman

Secretary

Attest: Joanne O'Brien
Clerk of the Board

NORTHWESTERN
THE DISTRICT
WATER & SEWER

CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS / LOAN REPAYMENT LETTER

September 6, 2019

I, Kay Ball of the Northwestern Water & Sewer District, hereby certify that the Northwestern Water and Sewer District has the amount of $1,963,500.00 in the treasury and that this amount will be used to pay the local share for the Willowbend Pumpstation Rehab project when it is required.

The loan amount $131,250.00 will be paid out of the Northwestern Water and Sewer District's revenue funds and that this amount will be used to pay the Ohio Public Works Commission SCIP or RLP loan requested for the Willowbend Pumpstation Rehab project over the loan term of twenty (20) years.

Kay Ball
CFO

Engineers Opinion of Construction Cost - Conceptual

Client	Northwestern Water and Sewer District	Date:	9/4/2019
Project	Willowbend Pump Station Replacement	Estimator:	TAB
Option	Pump Station Replacement	Checked By:	KAW
	12-inch Gas Pipeline River Crossing	Project No.:	796-7215.002

Item No.	Description	Qty.	Unit	Unit Amount	Total Amount
Pump Station and Site Work					
	Mobilization and Demobilization	1	LS	$ 100,000.00	$ 100,000.00
	Storm Water Pollution Prevention	1	LS	$ 15,000.00	$ 15,000.00
	Pump Station Control Building	1	LS	$ 85,000.00	$ 85,000.00
	Cast-in-Place Wet Well	1	LS	$ 80,000.00	$ 80,000.00
	Pump Station Piping	50	LF	$ 100.00	$ 5,000.00
	Pumps (45 hp)	2	EA	$ 80,000.00	$ 160,000.00
	12-inch Check Valve	2	EA	$ 3,500.00	$ 7,000.00
	12-inch Plug Valve	2	EA	$ 3,500.00	$ 7,000.00
	Flow Meter Manhole	1	LS	$ 15,000.00	$ 15,000.00
	Floor Doors	3	EA	$ 2,500.00	$ 7,500.00
	Wall Sleeves	2	EA	$ 2,000.00	$ 4,000.00
	Floor Sleeves	2	EA	$ 3,000.00	$ 6,000.00
	Vents	1	EA	$ 1,000.00	$ 1,000.00
	Level Transmitters / Floats	1	LS	$ 10,000.00	$ 10,000.00
	Clearing & Grubbing	1	LS	$ 10,000.00	$ 10,000.00
	Landscaping / Site Work	1	LS	$ 5,000.00	$ 5,000.00
	Asphalt Parking Area	30	SY	$ 110.00	$ 3,300.00
	Electrical	1	LS	$ 40,000.00	$ 40,000.00
	Electric Service	1	LS	$ 10,000.00	$ 10,000.00
	Controls / Programming	1	LS	$ 15,000.00	$ 15,000.00
	Communications	1	LS	$ 15,000.00	$ 15,000.00
	Backup Generator (Diesel Powered - 80kW)	1	LS	$ 75,000.00	$ 75,000.00
	Pump Station Abandonment	1	LS	$ 20,000.00	$ 20,000.00
	Access Road & Clearing	1	LS	$ 170,000.00	$ 170,000.00
	Bypass Pumping	1	LS	$ 30,000.00	$ 30,000.00
				Subtotal	**$ 895,800.00**
West River Road Force Main Replacement - Cross County Alignment					
	12-inch Force Main	2300	LF	$ 150.00	$ 345,000.00
	Air Release Manhole	2	EA	$ 8,500.00	$ 17,000.00
	12-inch Gate Valve and Box	3	EA	$ 5,000.00	$ 15,000.00
				Subtotal	**$ 377,000.00**
Jerome Road Force Main Connection					
	12-inch Force Main	1400	LF	$ 150.00	$ 210,000.00
	12-inch Force Main Connection to Existing Force Main	2	EA	$ 5,000.00	$ 10,000.00
				Subtotal	**$ 220,000.00**
	Construction Cost Subtotal				**$ 1,492,800.00**
	Construction Contingencies (15%)				$ 149,280.00
	Permitting				$ 10,000.00
	12-inch Gas Pipeline Purchase				$ 250,000.00
	Legal / Property / Easements				$ 100,000.00
	Design & Construction Engineering (15%)				$ 223,920.00
	Total Opinion of Project Cost				**$ 2,226,000.00**

Project Useful Life 25 Years

Age of Infrastructure 43 Years

I, Theodore A. Bennett, certify to the best of my knowledge, the Engineer's Opinion of Probable Cost and Estimated Project Useful life are true and accurate.

Theodore A. Bennett 9/4/19

Theodore A. Bennett, P.E.

STATE OF OHIO
THEODORE A. BENNETT
E-70768
REGISTERED PROFESSIONAL ENGINEER

NORTHWESTERN
THE DISTRICT
WATER & SEWER

FARMLAND PRESERVATION REVIEW LETTER

FARMLAND PRESERVATION REVIEW
FOR THE OHIO PUBLIC WORKS COMMISSION

Willowbend Pumpstation Improvements
September 6, 2019

This review is to comply with Farmland Preservation Review Advisory of the Ohio Public Works Commission and the Governor's Executive Order 98-IIV. This review was accomplished by the Northwestern Water & Sewer District.

1. The immediate impact the project will have on productive agricultural and grazing land related to land acquisition.

   The immediate impact that the project will have on productive agricultural and grazing land will be limited to the area where the existing soils are disturbed to allow the sanitary sewer facilities to be installed by most likely an open-cut method. The land that the existing pumpstation is located was purchased by The District.

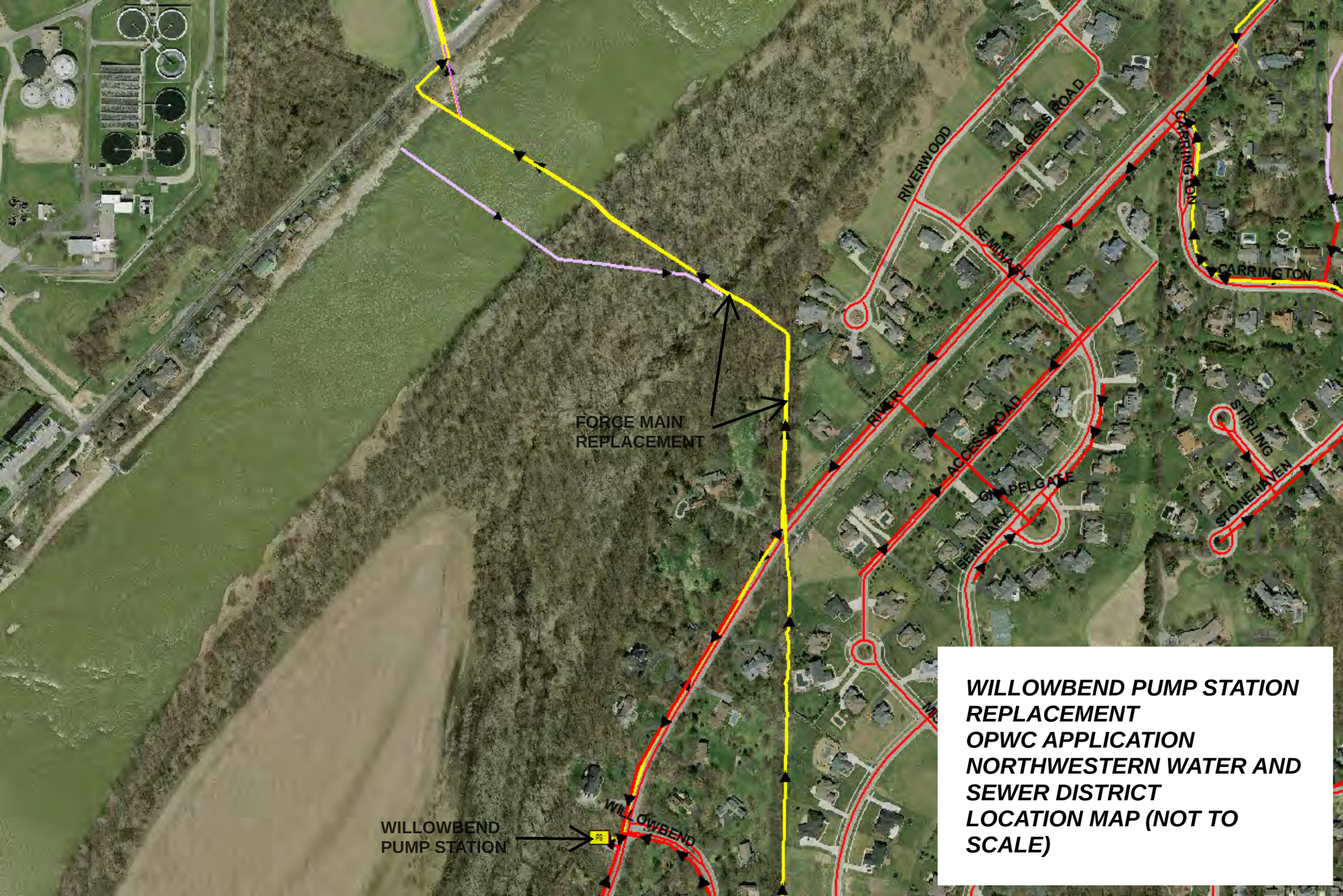
2. Indirect impact that will result in the loss of productive agricultural and grazing land from development related to the project.

   The project's disturbed areas will be returned to agricultural use upon completion of the project.

3. Mitigation measures that could be implemented when alternative sites or locations are not feasible.

The District will compensate the owners of any impacted farmland for crop damages resulting from the work.

Jerry Greiner, President — 9/6/19 Date



WILLOWBEND PUMP STATION REPLACEMENT
OPWC APPLICATION
NORTHWESTERN WATER AND SEWER DISTRICT
LOCATION MAP (NOT TO SCALE)

Executive Summary

The Northwestern Water & Sewer District (the District) is proposing to make improvements to the Willowbend Sanitary Sewer Pump Station located in Perrysburg Township, Ohio. This pump station collects sanitary sewage from over 700 residential customers in Middleton Townshp, Perrysburg Township and the City of Perrysburg. Figure 1.0 below shows the Site of the Willowbend Pump Station. The current pump station has had periodic maintenance level work performed as needed, but the pump station has reached the end of its service life at 45-years of age and is in need of full replacement.

Figure 1.0 - Willowbend Pump Station Site, June 2017

Field performance testing indicates the firm pumping capacity of this pump station to be approximately 650 gpm. During dry weather and typical wet weather conditions, the existing pumping capacity is sufficient.

"The new pump station will include a deepened wet well sized to achieve acceptable run and cycle times as well as additional free board to reduce basement flooding potential."

The primary issue at this pump station is related to undersized structural components. The existing wet well is relatively shallow, creating a situation where only 3-feet of free board exists between the pump station high level elevation and the nearest basements. Additionally, the wet well contains a small active volume, rendering future flow upgrades to be difficult as cycle times will be reduced to an unacceptable level.

The projected initial pumping capacity required at Willowbend Pump Station is 1,000 gpm, however no new flow is to be created by this project. The existing pump station and force main are inadequate to provide this required capacity. A new pump station, and 12-inch force main including both pumps and equipment with the ultimate capacity of 1,400 gallons per minute, is recommended to replace the existing Willowbend Pump Station. The new pump station will include a deepened wet well sized to achieve acceptable run and cycle times as well as additional free board to reduce basement flooding potential.

Introduction

The District operates the Willowbend Pump Station located at 26114 W River Road in Perrysburg Township, Ohio. This pump station was built in 1975 and services around 700 sewer accounts. This pump station conveys this wastewater to the Lucas County Wastewater Treatment Plant (WWTP) via a force main running under the Maumee River.

Background

The Willowbend Pump Station is part of the wastewater collection system in the Lucas County Sanitary Sewer Service Area owned and operated by the District. The District, formed in 1994, is the descendant of the Wood County Sanitary Engineer and Wood County Regional Water & Sewer District. Figure 2 shows the location of the Willowbend Pump Station and Lucas County Sanitary Sewer Service Area.

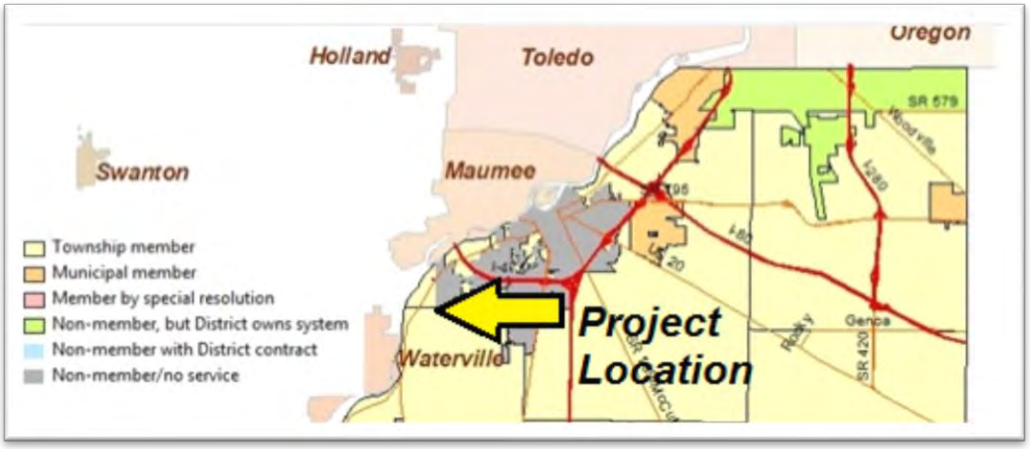


Figure 2 - Map of Northwestern Water & Sewer District, Northern Wood County Region

Willowbend Pump Station Sewer Service Area

The Willowbend Pump Station is located in an area defined as the Lucas County Sanitary Sewer Service Area (Toledo Metropolitan Area Council of Governments (TMACOG)) 208 Area as shown in Figure 3.. Wastewater from the Lucas County Sanitary Sewer Service Area is treated at the Lucas County WRRC located on the west side of the Maumee River in Monclova Township.

The following residential subdivisions are located within the Lucas County Sanitary Sewer Service Area:

1. WIllowbend
2. Saddlebrook
3. Riverbend
4. Village at River Bend Lakes
5. Hull Prairie Meadows
6. Carrington Woods
7. The Santuary

The Lucas County Sanitary Sewer Service Area was created to define the geographic limits for

Carrington Woods and The Sanctuary are within the City of Perrysburg; however, wastewater from these areas drains through the District's collection system to Willowbend Pump Station.

The extent of existing residential development in the sewer service area is denoted by the light green parcel overlays shown in Figure 3. At this time, the District has approximately 1,080 residential customers (including Perrysburg customers) in the Lucas County Sanitary Sewer Service Area. There are no significant commercial or industrial sewer customers in the service area currently.

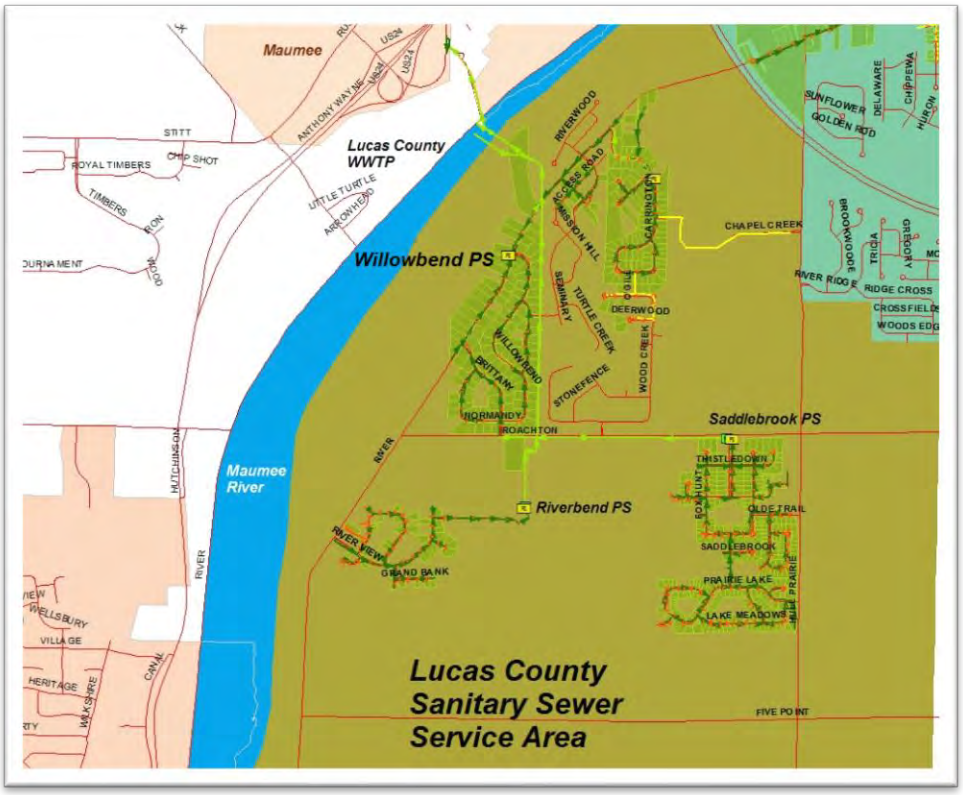


Figure 3 - Lucas County Sanitary Sewer Service Area (Lucas County FPA, (TMACOG, 2016)

Willowbend Pump Station

The Willowbend Pump Station was constructed in 1975 as part of an expansion to the Wood County Sanitary Engineer's wastewater collection system for the Willowbend Subdivision Plat 1. The pump station and gravity sewers included in the initial project established sanitary sewer service in Perrysburg Township, west of the City of Perrysburg. The locations of the Willowbend Pump Station and connecting force mains are shown in Figure 4.

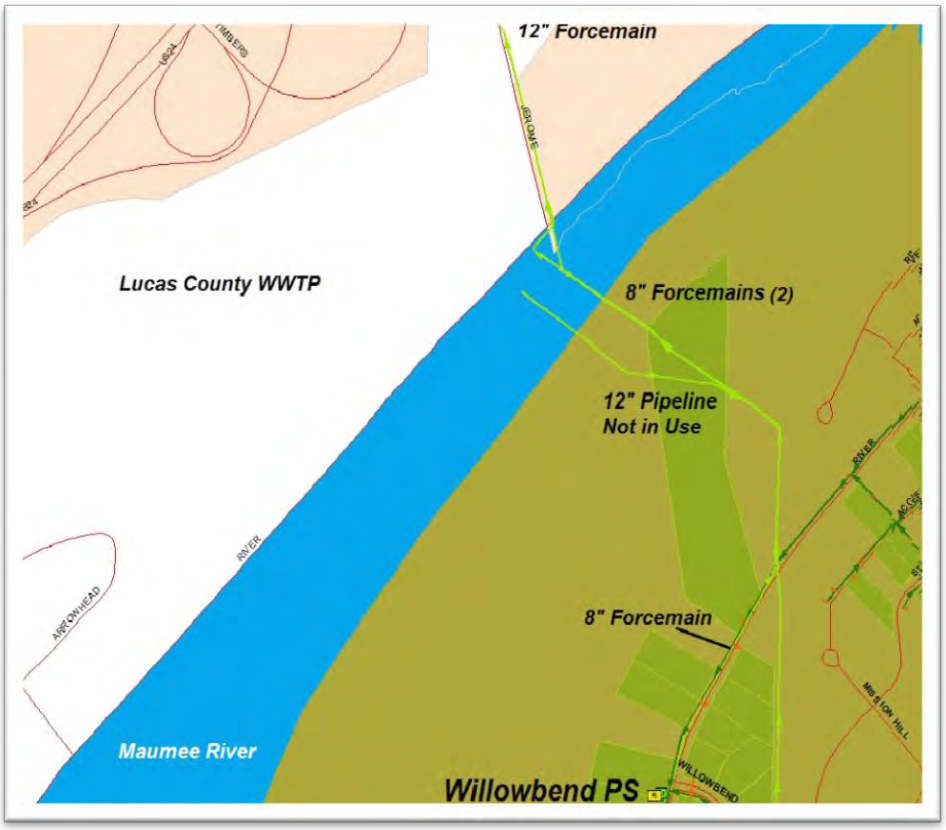


Figure 4 - Willowbend Pump Station and Force Mains

Willowbend Pump Station discharges to an 8-inch force main running along West River Road, where it connects to a re-purposed 8-inch gas pipeline. The 8-inch gas pipeline was converted to a sanitary sewer force main as part of the 1975 project. The age of the 8-inch re-purposed gas pipeline is uncertain. Revision dates on the record drawings for the 8-inch pipeline are dated from 1929. It is conceivable that the 8-inch gas pipeline may date to that time.

Existing Conditions at Willowbend Pump Station

The following section describes existing conditions at the pump station.

Site

Willowbend Pump Station was constructed on two 40-foot drainage and access easements obtained from the adjacent property owners when the adjacent subdivisions were platted (Willowbend Plats 1 and 5). As such, the site is limited in space for future construction. The site limitations relative to future improvements are further discussed herein. A generalized site plan is included in Figure 5 below.

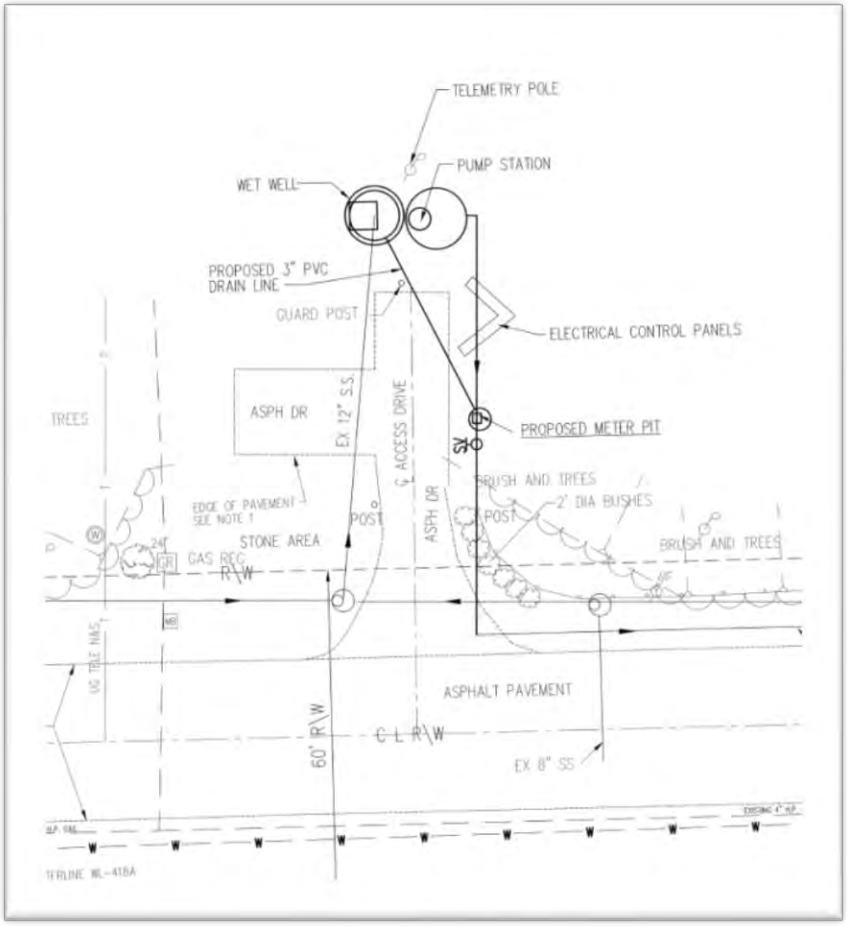


Figure 5 - Site Plan from Willowbend Pump Station Improvements, SS#307, Poggemeyer Design Group, 2008

The pump station is set on the north end of a raised plateau with relatively steep slopes on three sides, see Figure 6.0. The roadway access is on the fourth side. The steep slopes limit the flat space available for the placement and construction of the new pump station. Some temporary measures to extend the flat area of the pump station site may be required for construction, possibly requiring temporary easements.

Figure 6 – Site View from River Road, Google Maps, August 2019

Existing Structures and Equipment

The condition and size of the existing Willowbend Pump Station Wet Well is a primary concern for the long-term operation of the pump station.

Willowbend Pump Station is a steel dry-pit, flooded-suction, pump station. The depth of dry well pump stations is limited by the depth at which their steel enclosures can be placed. Since dry wells are depth limited and the wet-well elevation must match the dry well, these types of stations often have shallow wet wells as exists at Willowbend Pump Station.

Figure 7 – Pump Station Enclosure, August 2018

The pumping equipment is located inside an 11-foot diameter dry well enclosure. The primary issue with the existing enclosure is a limitation on space available for the new pumping equipment to accommodate increased flows as discussed later in this report. Figure 8 shows the existing pump enclosure layout.

In 2008, the Willowbend Pump Station was upgraded to add a flow meter, new pumps, piping, and new electrical controls. The construction records from the 2008 upgrade have been lost. Additionally, the pump nameplates are illegible, thus, limited record information exists to verify the design pumping conditions. The field performance testing was completed to confirm the installed pumping performance. The dry well enclosure is in fair condition, having been repainted in 2008 with the last upgrade of the pumping and electrical equipment.

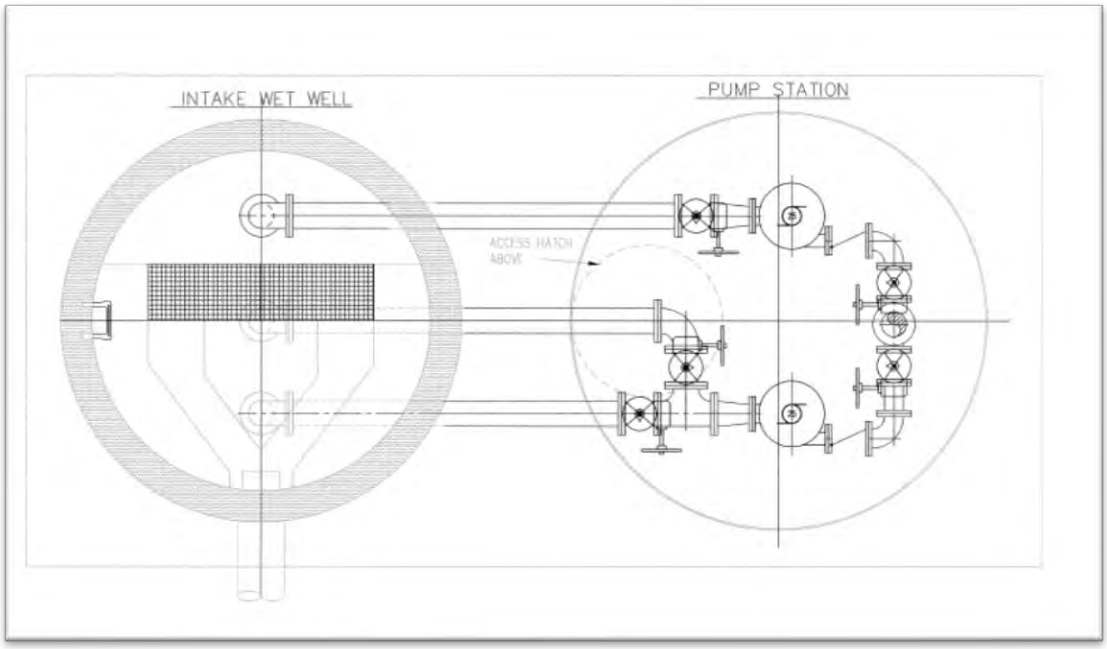


Figure 8 - Pump Station Plan View from Willowbend Pump Station Improvements, SS#307, Poggemeyer Design Group, 2008

The existing wet well is shallow, undersized, and allows for a small active pumping volume, leading to short cycling of the pumps. The system contains a disquieting lack of free board between the high-water elevation in the pump station and nearby customer basements.

The influent sewer enters the wet well at approximately 7-feet below grade. The shallow influent sewer and small pumping volume yields an operational challenge for the District when increased wet-weather flows are delivered to the pump station. The limited storage in the wet well is a significant issue, leading to a situation where equipment failure could quickly result in flooding of adjacent customer basements. A free board of approximately 3-feet is available between the lowest basement floors in the service area and the pump station high water level. The approximate relationship between basement floor elevations and the pump operating range is as shown below in Figure 9.

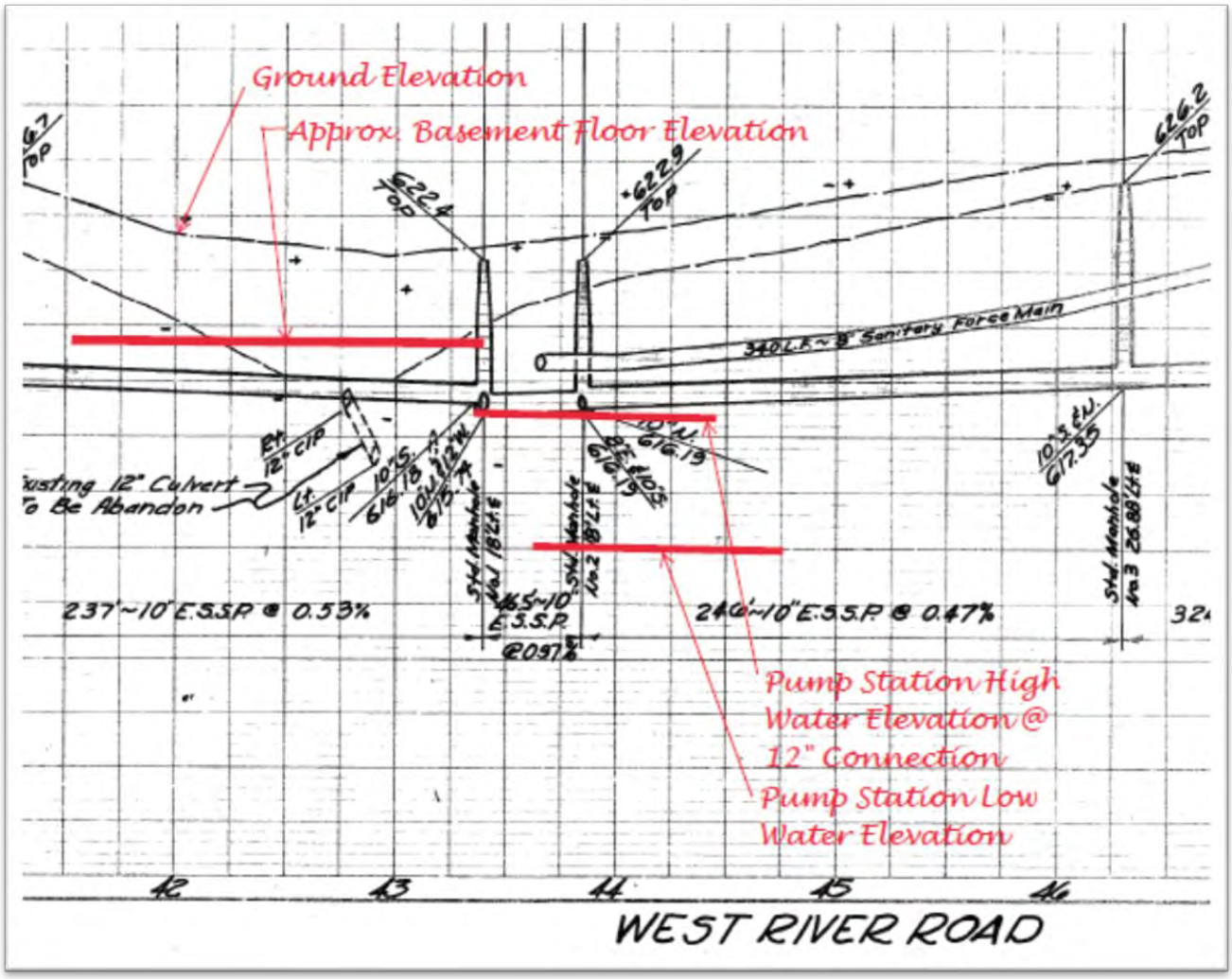


Figure 9 - Relative Elevations of Basement Floors Versus Pump Operating Range, SS-307, West River Road, Wood County Sanitary Engineer, 1975

The wet well has an active depth of approximately 5-feet below the invert of the influent sewer, with a significant portion of the wet well volume consumed by concrete fillets as shown in Figure 12. The fillets in the wet well reduce the volume available in the wet well and lead to shortened cycle times. The calculated cycle time at the estimated pumping rate of 650 gpm is approximately 2.5 minutes. The limited volume of the wet well creates a challenge when aiming to increase the pump station's pumping capacity due to greater discharge rates unacceptably reducing pump run times.

Figure 10 – Existing Wet Well Conditions, August 2019

The photo in Figure 10 shows the relatively shallow depth of the wet well. Typically, wet wells are located 10-feet or more below the nearest basement. At this station that distance is only 3-feet.

Also shown in Figures 10 and 11 is the corrosion to the interior of the wet well concrete and steel structure from the sewage in the station.

Figure 11 – Existing Wet Well Conditions, August 2019

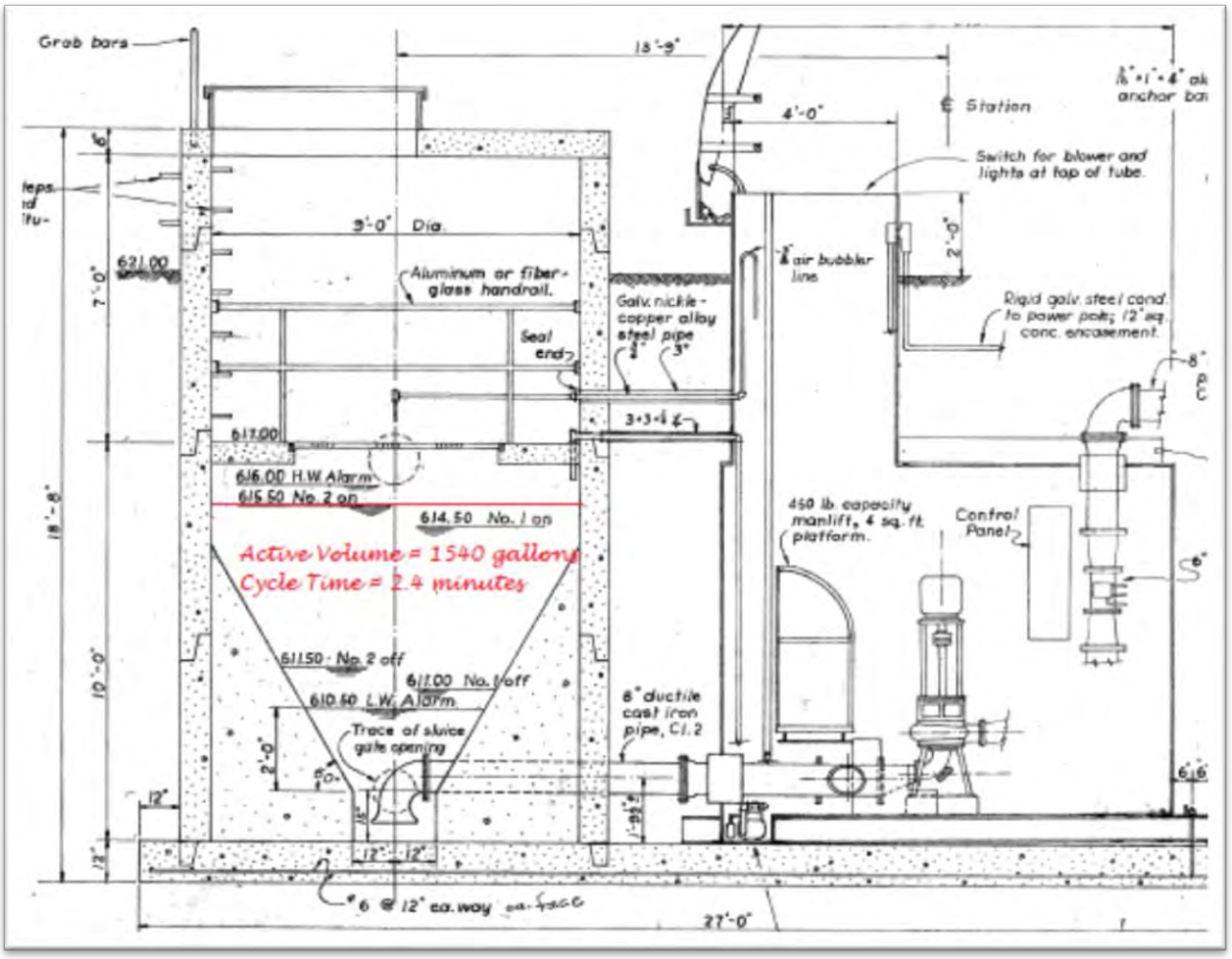


Figure 12 - Willowbend Pump Station Construction Drawings, Wood County Sanitary Engineer, 1975

Alternatives

The primary goals of the proposed improvements to the Willowbend Pump Station are to address the long-term needs of the service area and to address aging and undersized components of the pump station.

Many of the pump station components have reached the end of their service or are undersized for the hydraulic needs of the future service area. The following is a summary of improvements required to achieve the future pumping capacity of 1400 gpm and to replace the aging structures and equipment.

No Action

Under a No Action option, there would be no improvements made to the Willowbend Pump Station or Force Main. The issues noted herein with the undersized structural components would persist and eventually function poorly and become a significant risk to the District and their customers.

A No Action option is incongruent with the District's stated mission of: *"responsible environmental stewardship, responsive public service, superior customer service, and responsible economic growth."*

We believe No Action would represent an irresponsible course of action and is not further evaluated.

Inflow and Infiltration Reduction

The District could introduce additional flow capacity in the sanitary sewer collection system through the rehabilitation of the existing sanitary sewer collection system tributary to Willowbend Pump Station.

Given the past work performed by the District in this collection system and the relatively low wet to dry flow ratio, it is expected that the reduction in wet weather flows related to a rehabilitation project would be minimal.

Gravity Sanitary Sewer Outlet

One method to address the equipment and flow concerns at Willowbend Pump Station would be to construct a new gravity sewer connection to the Lucas County WWTP and eliminate the need for pumping. This option is technically possible but with a significant cost beyond the scope of this study.

This option involves the construction of a pipe through bedrock at depths reaching 40-feet below existing grade. The construction would be performed by a tunneling method with several boring and receiving shafts required for the work. Due the cost and difficulty of this option, we have eliminated the gravity sewer option from consideration at this time.

Pump Station Improvements

The following is a detailed description of recommended improvements to the Willowbend Pump Station required to address the undersized pump station equipment and structures.

Wet Well

The primary driving force for the Willowbend Pump Station improvements is the undersized wet well. The new wet well should be constructed with additional free board above the pump high level to provide added protected to prevent basement flooding. The wet well should be sized to provide minimum run times of 5 to 10 minutes. In order to upgrade the pumping capacity, it is evident that wet well must be replaced.

Pumping Equipment

New pumping equipment will be required to achieve 1400 gpm of future firm pumping capacity.

With some of the electrical and control equipment at Willowbend Pump Station dating from 2008, there may be some ability to reuse parts of the electrical and controls system.

Pump Station Rehabilitation

Interim measures to rehabilitate the existing facilities could be used to address some portion of the structural concerns. The rehabilitation of the existing pump station is not recommended. The existing structural components are undersized for the future needs of the service area as presented in this document and rehabilitation alone will not address the long term requirements of the District.

Force Main Improvements

Recognizing Willowbend, Saddlebrook and Riverbend share the 12-inch force main on Jerome Road, it is apparent that improvements to Willowbend Pump Station will affect the performance at Saddlebrook and Riverbend Pump Station. The complex pump performance interrelationship, along with the desire to evaluate various options for future conditions, dictated the creation of a flow model to analyze the interrelationship of the pump stations running concurrently.

The flow model indicated that the most feasible solution was to construct a new 12-inch force main from the upgraded Willowbend Pump Station to the Lucas County WRRC.

This new force main will include the connection to and repurposing of an existing 12-inch petroleum pipeline being purchased by the District ahead of this project from Buckeye Pipeline.

Recommendations

The following is a summary of the alternatives recommended for necessary improvements at the Willowbend Pump Station. All options include the proposed replacement of the pump station as no other options will provided the required flow capacity required.

Pump Station

The Willowbend Pump Station should be replaced with a new pump station including pumps with a rated capacity that can achieve the future 1400 gpm flow requirement. The new pump station will include new piping, electrical and control equipment. As an interim measure the pump station is recommended to be upgraded to achieve a firm pumping capacity of 1000 to 1200 gpm.

We recommend the use of either a dry pit suction lift pump station or a submersible pump station. The costs provided for the pump station improvements in this document are based upon the Dry Well Suction Lift Configuration with a precast concrete building. We have included an emergency generator and a flow meter in the construction costs opinion as well.

Wet Well

A new wet well will be required to provide adequate runtimes and adequate free board below existing basements.

The proposed configuration of the new wet well is a square or round wet well with sufficient surface area and depth to permit a minimum of 5-minutes of run time. At this time we are recommending a 15-deep wet well with a 10 to 11-foot diameter wet well or an equivalently sized rectangular structure.

The wet will be either cast in place or precast construction. For the estimate we assumed a rectangular cast in place structure.

Force Mains

The 8-inch sections of force main on West River Road and the River Crossing should be replaced with a new 12-inch diameter force main. The District is planning to purchase the existing 12-inch gas pipeline that crosses the Maumee River parallel to the existing 8-inch pipes used today.

Conclusion

The undersized structural components of the Willowbend Pump Station have created a situation where basement flooding is a constant concern during wet weather. Additionally, the small wet well renders its reuse in future flow upgrades impossible. Herein, several improvements have been identified a new pump station and wet well, a 12-inch force main along West River Road and under the Maumee River to permit Willowbend to achieve a 1,000 to 1,200 gpm pumping capacity in the near term and 1,400 gpm in the long term. Additionally, the existing 8-inch Willowbend River Crossing Force Main is recommended to be re-allocated to split flows from the existing 8-inch shared force main from Saddlebrook and Riverbend Pump Stations to improve performance.

The construction cost estimate for this option is included with this application to OWPC. This project is considered 100% replacement. There is a slight increase in pumping capacity, but initially the total flow delivered per day will not increase. Additional sewer collection infrastructure will need to be constructed to generate additional flow to this station.

References

TMACOG 2016. Toledo Metropolitan Council of Governments. (June 2016). *TMACOG "208" Areawide Water Quality Management Plan, Sanitary Sewer Facility Planning Area*. Toledo, OH: TMACOG.

"10 States Standards" - *Recommended Standards for Wastewater Facilities - Policies for the Design, Review, and Approval of Plans and Specifications for Wastewater Collection and Treatment Facilities, 2014 Edison. Great Lakes - Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers*. Albany, NY, Health Research, Inc., Health Education Services Division. 2014.


NO
PARKING
26225
W. River Rd.
Edison


DANGER
120 VOLTS
1-PHASE
DANGER
480 VOLTS
3-PHASE
DANGER
480 VOLTS
3-PHASE
DANGER
480 VOLTS
3-PHASE


DANGER
480 VOLTS
3-PHASE
480 VOLTS
DANGER
480 VOLTS
3-PHASE
DANGER
480 VOLTS
3-PHASE

PUMP NO. 1

PUMP NO. 2

PUMP NO. 1

VFD RUN TIME

ENM 11597 HOURS QUARTZ CHICAGO

SSS RUN TIME

ENM 00006 HOURS QUARTZ CHICAGO

VFD RUN

FAULT RESET

STARTER RUN

VFD FAULT

STARTER FAULT

OFF

HAND AUTO

MANUAL SPEED ADJUSTMENT

OVER TEMPERATURE

VFD SSS

OVERLOAD

EG Controls JACKSONVILLE, FLA.

PUMP NO. 2

VFD RUN TIME

ENM 11579 HOURS QUARTZ CHICAGO

SSS RUN TIME

ENM 00422 HOURS QUARTZ CHICAGO

VFD RUN

FAULT RESET

STARTER RUN

VFD FAULT

STARTER FAULT

OFF

HAND AUTO

MANUAL SPEED ADJUSTMENT

OVER TEMPERATURE

VFD SSS

OVERLOAD

EG Controls JACKSONVILLE, FLA.

S.M.A.R.T. View Remove

Esc Sel

Lang Auto / Man

ALT

7 8 9

4 5 6

1 2 3

. 0 +/-

Exp Param #

Jog

S.M.A.R.T. View Remove

Esc Sel

Lang Auto / Man

ALT

7 8 9

4 5 6

1 2 3

. 0 +/-

Exp Param #

Jog

MAIN

RESET O/OFF TRIP I/ON

EG CONTROLS VARI-GAGE 3300 CALIBRATION AND PROGRAM SETTINGS

CALIBRATION SETTINGS:

HIGH ALARM _____ FT., (MAX. CALIB. RANGE OF TRANSDUCER)
LOW ALARM _____ FT., (MIN. CALIB. RANGE OF TRANSDUCER)
LEAD MINIMUM SPEED SIGNAL _____ %, (NORMALLY SET TO 0)
LAG 1 MINIMUM SPEED SIGNAL _____ %, (NORMALLY SET TO 0)
LAG 2 MINIMUM SPEED SIGNAL _____ %, (NORMALLY SET TO 0)
LEAD MAXIMUM SPEED SIGNAL _____ %, (NORMALLY SET TO 100)
LAG 1 MAXIMUM SPEED SIGNAL _____ %, (NORMALLY SET TO 100)
LAG 2 MAXIMUM SPEED SIGNAL _____ %, (NORMALLY SET TO 100)

PROGRAM SETTINGS:

HIGH ALARM LEVEL 10.2 FT.
LOW ALARM LEVEL 1.0 FT.
LEAD START LEVEL 5.0 FT.
LEAD STOP LEVEL 3.5 FT.
LAG 1 START LEVEL 4.5 FT.
LAG 1 STOP LEVEL 3.5 FT.
LAG 2 START LEVEL 9.0 FT.
LAG 2 STOP LEVEL 8.0 FT.
LEAD MINIMUM SPEED LEVEL _____ FT.
LEAD MAXIMUM SPEED LEVEL _____ FT.
LAG 1 MINIMUM SPEED LEVEL _____ FT.
LAG 1 MAXIMUM SPEED LEVEL _____ FT.
LAG 2 MINIMUM SPEED LEVEL _____ FT.
LAG 2 MAXIMUM SPEED LEVEL _____ FT.

LEAD MINIMUM SPEED _____ %, (NORMALLY 40 TO 65%)
LEAD MAXIMUM SPEED _____ %, (NORMALLY 40 TO 65%)
LAG 1 MINIMUM SPEED _____ %, (NORMALLY 40 TO 65%)
LAG 1 MAXIMUM SPEED _____ %, (NORMALLY 100%)
LAG 2 MINIMUM SPEED _____ %, (NORMALLY 100%)
LAG 2 MAXIMUM SPEED _____ %, (NORMALLY 100%)
ALTERNATE _____
ALT. TIME _____ HOURS
RAMP SPEED _____

LEVEL (FEET)
HIGH ALARM
LOW ALARM
LEAD
LAG 1
LAG 2
START
STOP
MIN SPEED
MAX SPEED
ALTERNATE
ALT. TIME
RAMP SPEED
AUTO PROG SIM STEP
VARI GAGE 3300 by EG Controls

PROGRAM STATUS
HIGH ALARM
LOW ALARM
PUMP NO. 3
PUMP NO. 2
PUMP NO. 1

- Press PROG then STEP to select function.
- Press arrow keys to change setting(s).
- Press AUTO to enter change(s).
- To discard change(s), press SIM then AUTO.

ALARM and START/STOP LEVELS: 0.0' to 55.0'

ALTERNATION: Use arrow keys to select one of the following alternation sequences:

AFO = Automatic first on first off.
ALO = Automatic first on last off.
P-1 = Manual / Pumps 1-2-3
P-2 = Manual / Pumps 2-3-1
P-3 = Manual / Pumps 3-1-2

ALT. TIME
- 0 = Disabled 1 to 168 = Hours. ALO only.

SPEED LEVELS:
- MIN SPEED = Level at which pump is at min speed.
- MAX = Level at which pump is at max speed.

RAMP SPEED RATE OF CHANGE:
- (1) = 20% / Per Sec.
- (20) = 1% / Per Sec.

EG Controls JACKSONVILLE, FLA.

ANNUNCIATOR

CONTROL POWER ON	HIGH LEVEL	BUBBLER SYSTEM FAILURE
LOSS OF CONTROL POWER	LOW LEVEL	BUBBLER PURGING
PHASE LOSS	BACK-UP FLOAT ENGAGED	MANUAL PURGE
	BACK-UP FLOAT RESET	AIR COMPRESSOR SEQUENCE SELECTOR ALTERNATE (1, 2 / 2, 1)

LEVEL SIMULATION

TEST
TEST PORT

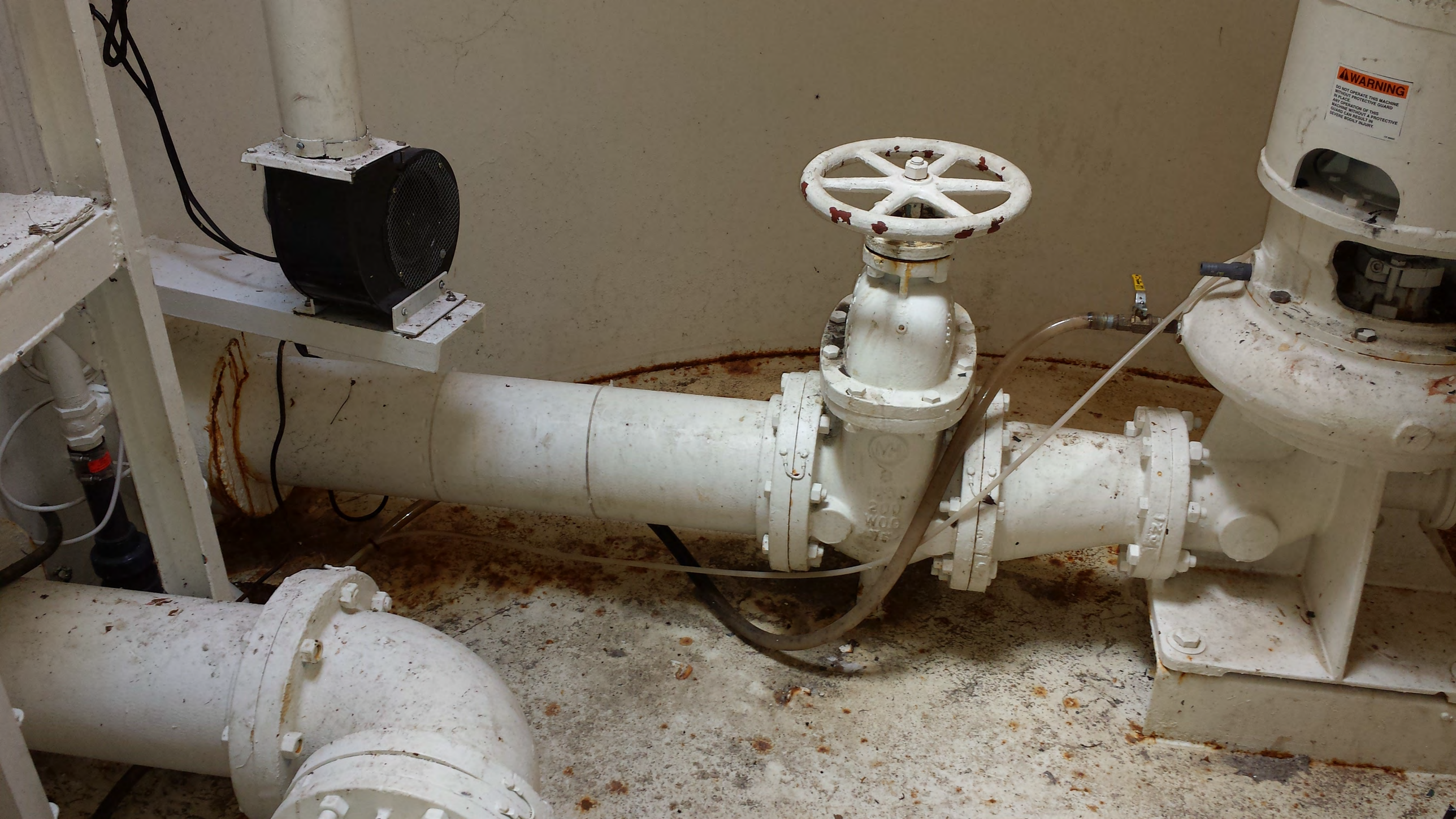
PRESS AND HOLD TEST PUSHBUTTON. PLACE FINGER OVER TEST PORT TO SIMULATE WET WELL LEVEL.

CONTROL MAIN	CONTROL POWER	PANEL RECEPTACLE	UPS POWER	PANEL HEATER	BLDG. VENT. BLOWER	DRY WELL LIGHTS	DRY WELL RECEPT.	DEHUMIDIFIER	TELEMETRY PANEL	FLOW METER	SUMP PUMP	AUX POWER
ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON	ON
40 40	20	10	15	20	20	20	20	20	20	20	20	20
OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF

PANEL LIGHT

WARNING


WARNING
DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE.
ANY OPERATION OF THIS MACHINE WITHOUT A PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.


WARNING
DO NOT OPERATE THIS MACHINE WITHOUT PROTECTIVE GUARD IN PLACE.
ANY OPERATION OF THIS MACHINE WITHOUT A PROTECTIVE GUARD CAN RESULT IN SEVERE BODILY INJURY.

CATALOG # MODEL # 20033972

LOWER END BRG 6310-J/C3 UPPER END BRG 6210-2Z-J/C3

FR 284VP7 TYPE AVI ENCL TP1

PH 3 MAX AMB 40 °C ID# J11-20033972-100L 546 01

INSUL CLASS F DUTY CONT WT 305 LB BAL 0.08 IPS

HP 25.0 RPM 1770 SF 1.15 HZ 60

VOLTS 460 MAX KVAR NEMA NOM EFFICIENCY 92.4

AMPS 30.0 PF 84.1 CODE GDES B

OIL CAPACITY LOWER END BRG GREASE QTS. UPPER END BRG GREASE QTS.

VERTICAL THRUST PERCENTAGE NORMAL

NEMA MG1 PART 31 **INVERTER DUTY** AMPS

VT/PWM	TORQUE	HZ RANGE	MAX RPM	
74.2	LB-FT	6-60	180-1800	31.5

SF 1.0 INV. TYPE

CUST P/N 038885B02

MADE IN MEXICO

EMERSON

EMERSON MOTOR COMPANY
ST. LOUIS, MO.

MOTORS

422707-005

LEAD CONNECTION

1 2 3

LINE

H LEAD MAY CONSIST OF O
MORE CABLES HAVING TH
E LEAD NUMBER.

094954

SPECIAL FEATURES B533059

OVER TEMP PROT 2

Premium Efficient

Inverter Suitable VT & 4:1 CT

•CAUTION•

MOTOR THERMOSTAT LEADS P1 AND P2 MUST BE CONNECTED TO THE MOTOR CONTROL CIRCUIT TO PROVIDE MOTOR THERMAL PROTECTION. CONTACT RATINGS FOR THERMOSTATS: 120--600 VAC. 720VA

949767


INSTRUCT
1 PULL RING PI
2 START FROM 8 FEET BACK. AIM AT BASE OF FIRE.
3 USE EXTINGUISHER UPRIGHT. SQUEEZE LEVE
4 SWEEP SIDE TO SIDE
BADGER
13
SOLEUS AIR
Powerful, reliable and energy efficient.
• Digital Humidistat
• Low Temperature Operation Down to 41°F
• 3 Fan Speeds
• Loss of Power Protection with Auto Restart
• Automatic Shut-Off with Bucket Full Indicator & Alarm
• Automatic Defrost
• Automatic Shut-Off Timer
• Garden Hose Connector
AWWA

RESOLUTION NO. 2018-125

In the matter of fixing operation and maintenance rates for sewer collection and treatment services, water distribution services, and sale of water in the District.	} } } }	Northwestern Water and Sewer District December 13, 2018

Trustee Cheney moved the adoption of the following Resolution:

WHEREAS, The Board of Trustees of the Northwestern Water and Sewer District operates a water and sewer district in accordance with the provisions of Chapter 6119 of the Ohio Revised Code; and

WHEREAS, Chapter 6119 of the Ohio Revised Code provides that the Board of Trustees shall fix reasonable rates for the use of sewers, sewage treatment and/or water distribution which shall be at least sufficient to pay for all the costs of operation; and

WHEREAS, After the budget estimates for 2019 were completed with revenue requirements for services, the Finance Committee, Jerry Greiner, President and Kay Ball, CFO, recommends a 1.76% general increase in the operation and maintenance charges for all sewer collection and treatment services and a 2.2% general increase for all water services provided by the District; and

WHEREAS, Ms. Ball further recommends the Board of Trustees not implement the tenth year of the inclusion of depreciation costs in the volume charge for both water and sewer services in order to establish a repair and replacement fund for future needs, with the increase to collect 100% of the depreciation costs being implemented over a 15-20 year period due to the upcoming rate study; and

WHEREAS, Ms. Ball and Mr. Greiner further recommend that any rate increases implemented by the City of Oregon, the City of Bowling Green, the City of Fostoria, and

the City of Toledo for the sale of water to the District be reflected in the rates charged to the master metered customers in the Oregon area master metered customers; the Bowling Green area master metered and rural customers; the Fostoria area master metered customers; the Toledo service area customers which are in addition to any increase in the District's operation and maintenance rates; and

WHEREAS, Ms. Ball and Mr. Greiner report that all areas that had "phased in" rates over a period of time have all expired, with all areas being billed operation and maintenance charges at the full District rates in 2019; and

WHEREAS, These increases should be implemented in order to maintain established financial objectives for the District in accordance with the policies established previously by the Board with adjustments to estimated expenditures, which will provide for the continuation of the District as a self-sustaining enterprise supported entirely by the users of the system; therefore be it

RESOLVED, By the Board of Trustees of the Northwestern Water and Sewer District that effective for all utility bills sent after January 1, 2019, the rates for customers served shall be adjusted, based on the level of services provided to each customer; and be it further

RESOLVED, That all other rates, charges and policies previously established shall remain in full force and effect until otherwise provided for by the Board of Trustees of the Northwestern Water and Sewer District; and be it further

RESOLVED, That the operation and maintenance charges for sewer collection, water distribution and water purchased wholesale as established by this Resolution shall supersede all existing and historical rates established by the Board of County Commissioners of Wood County, Ohio, and the Board of Trustees of the Wood County

Regional Water and Sewer District now known as the Northwestern Water and Sewer District, under the provision of Chapters 6117.02 and 6119 of the Ohio Revised Code, as applicable; and be it further

RESOLVED, That this Northwestern Water and Sewer District Board of Trustees hereby finds and determines that all formal actions relative to the passage of this resolution were taken in open meetings of this Board, and that all deliberations of the Board and of its committees, if any, which resulted in formal action, were taken in meetings open to the public, in full compliance with applicable legal requirements, including Section 121.22, Ohio Revised Code.

Trustee Armstrong seconded the resolution and the roll being called on its adoption, the vote resulted as follows:

YES 9 NO 0 ABSTAIN 0

Chairman

Secretary

Attest: Jeanne O'Brien
Clerk of the Board

EXHIBIT A
RATES FOR SEWER SERVICE

		2018	2019
Fixed Charge*	Per Month	$14.29	$14.72

* Fixed charge includes no consumption

Volume Charge
Collection System Service

	2018	2019
❖ Metered Customers - per 1,000 cf -	$34.13	$34.55

A. Commercial and Industrial
B. Residential Use With Winter Average
C. Residential Use With Second Meter For Outside Water Use

❖ Unmetered Customers

A. Based on Estimated Consumption as follows, plus minimum charge:

# of users	monthly consumption	quarterly consumption
1	267	800
2	533	1600
3	833	2500
4	1100	3300
5	1400	4200
6	1667	5000
7	1967	5900
8	2233	6700

B. Oregon Master Meter Customers based on 800 cf per month for Residential customers; and 3,000 cf per month for Commercial and Industrial customers plus minimum charge.

Volume Charge
Wastewater Collection and Treatment

	2018	2019
❖ Metered Customers - per 1,000 cf	$60.73	$61.95
A. Commercial and Industrial		
B. Residential Use with Winter Average		
C. Residential Use With Second Meter For Outside Use		
❖ Unmetered Customers - monthly rate	$39.48	$40.27
Residential Rate Includes Fixed Monthly Charge		

EXHIBIT B
WATER DISTRIBUTION SERVICE

FIXED MONTHLY CHARGE BY METER SIZE

METER SIZE	2018	2019
⅝" and ¾"	$ 15.69	$ 16.16
1"	21.97	22.63
1 ½"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

VOLUME CHARGE PER 1000 CUBIC FEET

	2018	2019
Residential	$21.14	$ 21.48
Commercial	$21.14	$ 21.48

Areas billed the base operation and maintenance charge:

- City of Northwood west of Drouillard Road (last year for water transition rates was 2011)
- Walbridge
- Rossford (last year for water transition rates is 2015)
- Perrysburg Township and Lake Township west of I-280

EXHIBIT C
CITY OF OREGON MASTER METER RATES

These master meter rates will be adjusted with the approval of the Board of Trustees if the cost of water charged to the District by the City of Oregon is adjusted.

a) The **fixed charge to each monthly residential/commercial/industrial customer** within the master metered area:

METER SIZE	2018	2019
⅝" and ¾"	$ 15.69	$ 16.16
1"	21.97	22.63
1 ½"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

c) The **volume charge per 1,000 cubic feet for monthly residential, commercial and industrial customers** within the master metered area:

	2018	2019
All water usage	$36.58	$40.26

Areas billed the Oregon master meter rate:

- Village of Millbury
- Lake Township east of I-280
- City of Northwood east of Drouillard Road

EXHIBIT D
CITY OF BOWLING GREEN MASTER METER RATES

These master meter rates will be adjusted with the approval of the Board of Trustees if the cost of water charged to the District by the City of Bowling Green is adjusted.

a) The **fixed charge** to each monthly customer within each master metered area:

RESIDENTIAL/COMMERCIAL AND INDUSTRIAL:

METER SIZE	2018	2019
⅝" and ¾"	$ 15.69	$ 16.16
1"	21.97	22.63
1 ½"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

b) The **volume charge** for water to monthly residential consumers within the master metered areas:

	2018	2019
Residential/Commercial & Industrial Actual consumption per 1,000 cubic feet (no minimum)	$54.13	$56.77

Areas billed the Bowling Green Master Meter Rate:

- Rural water accounts
- Landfill master meter area
- Portage, Rudolph, Jerry City, Cygnet and Hoytville master meter area
- Villages of Bairdstown and Bloomdale
- Weston, Custar and Milton Center master meter area

*Revised 6/1/2019

EXHIBIT E
CITY OF FOSTORIA MASTER METER RATES

These master meter rates will be adjusted with the approval of the Board of Trustees if the cost of water charged to the District by the City of Fostoria is adjusted.

A.) The **fixed charge to each monthly residential, commercial and industrial customer** within the master metered area:

METER SIZE	2018	2019
⅝" and ¾"	$ 15.69	$ 16.16
1"	21.97	22.63
1 ½"	28.24	29.09
2"	45.50	46.87
3"	172.60	177.78
4"	219.67	226.26
6"	329.50	339.39
8", 10", 12"	455.03	468.68

The minimum monthly charge includes no consumption

B.) The **volume charge per 1,000 cubic feet for monthly residential, commercial and industrial customers** within the master metered area:

	2018	2019
All water usage	$22.14	$22.48

* Customers will be billed separately for the Fostoria cost of water and Fostoria sewer rates.

EXHIBIT F
CITY OF TOLEDO SERVICE AREAS
MASTER METER WATER RATES

50% SURCHARGE WATER RATES

Monthly Fixed Charge:		**2018**	**2019**
5/8" meter	1000 cf included	$ 37.40	$ 37.40
3/4" meter	1500 cf included	$ 56.09	$ 56.09
1" meter	2500 cf included	$ 93.49	$ 93.49
1.5"+ meter	6000 cf included	$224.37	$224.37

Monthly Volume Charge:

First 10,000 cf of usage	$37.40	$37.40
Next 150,000 cf of usage	$36.35	$36.35
Next 1,000,000 cf of usage	$28.55	$28.55
All over 1,160,000 cf of usage	$20.82	$20.82

Quarterly Fixed Charge:		**2018**	**2019**
5/8" meter	2000 cf included	$ 74.80	$ 74.80
3/4" meter	3000 cf included	$112.20	$112.20
1" meter	5000 cf included	$187.00	$187.00
1.5"+ meter	12,000 cf included	$448.80	$448.80

Quarterly Volume Charge:

First 30,000 cf of usage	$37.40	$37.40
Next 450,000 cf of usage	$36.35	$36.35
Next 3,000,000 cf of usage	$28.55	$28.55
All over 3,480,000 cf of usage	$20.82	$20.82

CITY OF TOLEDO SERVICE AREAS
MASTER METER WATER RATES

75% SURCHARGE WATER RATES

Monthly Fixed Charge:		**2018**	**2019**
5/8" meter	1000 cf included	$ 43.63	$ 43.63
3/4" meter	1500 cf included	$ 65.45	$ 65.45
1" meter	2500 cf included	$109.08	$109.08
1.5"+ meter	6000 cf included	$261.78	$261.78

Monthly Volume Charge:		
All usage per 1,000 cf	$43.63	$43.63

Quarterly Fixed Charge:		**2018**	**2019**
5/8" meter	2000 cf included	$ 87.26	$ 87.26
3/4" meter	3000 cf included	$130.89	$130.89
1" meter	5000 cf included	$218.15	$218.15
1.5"+ meter	12,000 cf included	$523.56	$523.56

Quarterly Volume Charge:		
All usage per 1,000 cf	$43.63	$43.63

CITY OF TOLEDO SERVICE AREAS
MASTER METER WATER RATES

115% SURCHARGE WATER RATES

Monthly Fixed Charge:		**2018**	**2019**
5/8" meter	1000 cf included	$ 53.60	$ 53.60
3/4" meter	1500 cf included	$ 80.40	$ 80.40
1" meter	2500 cf included	$134.00	$134.00
1.5"+ meter	6000 cf included	$321.60	$321.60

Monthly Volume Charge:

All usage per 1,000 cf	$53.60	$53.60

Quarterly Fixed Charge:		**2018**	**2019**
5/8" meter	2000 cf included	$107.20	$107.20
3/4" meter	3000 cf included	$160.80	$160.80
1" meter	5000 cf included	$268.00	$268.00
1.5"+ meter	12,000 cf included	$643.20	$643.20

Quarterly Volume Charge:

All usage per 1,000 cf	$53.60	$53.60

EXHIBIT G
TOLEDO AREA SEWER MASTER METER CHARGES

UNMETERED:	**2018**	**2019**
District fixed charge per month:	$14.29	$14.72
District collection charge per unit – based on 800 cf per month:	$27.30	$27.64
Toledo treatment charge per unit – based on 800 cf per month:	$26.96	$28.87

METERED:

A. Mobile home park in Toledo master meter service area based on metered sewer flows:

District fixed charge per month:	$14.29	$14.72
District collection charge based on metered sewer flow per 1000 cubic feet	$34.13	$34.55
Toledo treatment charge based on metered sewer flow per 1000 cubic feet	$30.09	$32.22

B. Residential/commercial/industrial sewer customers with metered water:

District fixed charge per month:	$14.29	$14.72
District collection charge based on metered sewer flow per 1000 cubic feet	$34.13	$34.55
Toledo treatment charge based on metered sewer flow Residential - per 1000 cubic feet	$30.09	$32.22
Toledo treatment charge based on metered sewer flow Commercial/industrial - per 1000 cubic feet	$33.91	$36.31

ALL ACCOUNTS WILL ALSO PAY A DEBT CHARGE PER UNIT FOR THE COST OF CONSTRUCTION OF THE SANITARY SEWER PROJECT. THIS CHARGE IS IN ADDITION TO THE ABOVE RATES.

EXHIBIT H
VILLAGE OF McCOMB SERVICE AREA
(RATES IN GALLONS)

SEWER:	**2018**	**2019**
Fixed Charge – includes 2500 g	$24.02	$24.68
Next 12,500 g	$ 8.59	$ 8.82
Next 15,000 g	$ 7.63	$ 7.84
Next 20,000 g	$ 2.69	$ 2.75
All over 50,000 g	$ 5.69	$ 5.84

WATER:	**2018**	**2019**
Fixed Charge – includes 2500 g	$45.56	$46.90
Next 12,500 g	$16.14	$16.61
Next 15,000 g	$14.22	$14.64
Next 20,000 g	$ 4.24	$ 4.35
All over 50,000 g	$10.30	$10.59

EXHIBIT I
DEBT SERVICE CHARGES

SEWER:

All debt charges listed are per equivalent residential unit per month.

❖ Custar	$26.33
❖ Milton Center	$27.76
❖ Rudolph/State Route 281	$20.57
❖ Arlington Woods Subdivision	$26.45
❖ Williamsburg-on-the-River	$16.25
❖ Stony Ridge/Lemoyne area	$35.00
❖ Country Manor	$25.96
❖ Bairdstown	$30.00
❖ Rudolph Road	$24.00

❖ Village of Risingsun and Scott /Montgomery Townships

Monthly Debt Charge per Equivalent Unit	$35.58
Monthly Project Charge*	$ 9.32

❖ Village of West Millgrove and Perry/Montgomery Townships

Monthly Debt Charge per Equivalent Unit	$20.00
Monthly Project Charge**	$14.40

* The project charge is the fee charged to Scott and Montgomery Township residents as payment over a 20 year period for the monthly sewer charge the Village of Risingsun residents have paid since 2001. This fee is in addition to the monthly debt charge per equivalent unit (total monthly charge is $44.90).

** The project charge is the fee charged to Perry and Montgomery Township residents as payment over a 20 year period for the monthly sewer charge the Village of West Millgrove residents have paid since 2002. This fee is in addition to the monthly debt charge per equivalent unit (total monthly charge is $34.40).

WATER:

❖ Village of Hoytville	$20.00
❖ Village of Custar/Milton Center	$21.91

EXHIBIT J
WHEEL RATE FOR
WATER AND SEWER SERVICES

These rates apply where other entities that utilize District facilities to move either water or wastewater from one area, outside the District, to another area outside the District.

- 75% of the District's water volume charge
- 70% of the District's sewer volume charge

DISTRICT 5
CAPITAL IMPROVEMENT PROJECTS
QUESTIONNAIRE
ROUND 34

Name of Applicant: Northwestern Water and Sewer District
Project Title: Willowbend Pump Station and Force Main Replacement

The following questions are to be answered for each application submitted for State Issue II SCIP, LTIP and Loan Projects. Please provide specific information using the best documentation available to you. Justification of your responses to these questions will be required if your project is selected for funding, so please provide correct and accurate responses. **Communities and Townships under 5,000 in population should also complete the Small Government Criteria.**

1. What percentage of the project in repair A= __%, replacement B=100%, expansion C= __%, and new D= ___%? (Use dollar amounts of project to figure percentages and make sure the total equals one hundred(100) percent) A+B= 100% C+D= ___%

   Repair/Replacement =Repair or Replacement of public facilities owned by the government (any subdivision of the state).

   New/Expansion = Replacement of privately owned wells, septic systems, private water or wastewater systems, etc.

2. Give the physical condition rating:

   Closed or Not Operating: The condition is unusable, dangerous and unsafe. The primary components have failed. The infrastructure is not functioning at all.

   Critical: The condition is causing or contributing to a serious non-compliance situation and is threatening the intended design level of service. The infrastructure is functioning at seriously diminished capacity. Imminent failure is anticipated within 18 months. Repair and/or replacement is required to eliminate the critical condition and meet current design standards. **(For Road Projects structural repair items would represent a minimum of 25% of the total Project Cost).**

   Poor: The condition is substandard and requires repair/replacement in order to return to the intended level of service and comply with current design standards. Infrastructure contains a major deficiency and is functioning at a diminished capacity.

   Fair: The condition is average, not good or poor. The infrastructure is still functioning as originally intended. Minor deficiencies exist requiring repair to continue to function as originally intended and/or to meet current design standards.

   Good: The condition is safe and suitable to purpose. Infrastructure is functioning as

originally intended, but requires minor repairs and/or upgrades to meet current design standards.

Excellent: The condition is new, or requires no repair. Or, no supporting documentation has been submitted.

* **In order to receive points provide supporting documentation (e.g. photos, a narrative, maintenance history, or third party findings) to justifying the rating.**

3. If the proposed project is not approved what category would best represent the impact on the general health and/or public safety?

ROADS

Extremely Critical: Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Major Access Road.*

Critical: Resurfacing, Restoration and Rehabilitation (3R) of a Major Access Road.*

Major: Resurfacing, Restoration, Rehabilitation and Reconstruction (4R) of a Minor Access Road.*

Moderate: Resurfacing, Restoration and Rehabilitation (3R) of a Minor Access Road.*

Minimal: Preventative Maintenance of a Major Access Road.

No Impact: Preventative Maintenance of a Minor Access Road.

Projects that have a variety of work will be scored in the LOWEST category of work contained in the Construction Estimate.

Road/Street Classifications:

Major Access Road: *Roads or streets that have a dual function of providing access to adjacent properties and providing through or connecting service between other roads.*

Minor Access Road: *Roads or streets that primarily provide access to adjacent properties without through continuity, such as cul-de-sacs or loop roads or streets.*

Preventative Maintenance: *Non Structural Pavement work such as chip sealing, cape sealing, micro-surfacing, crack sealing, etc.*

*(3R) Resurfacing, Restoration and Rehabilitation - Improvements to existing roadways, which have as their main purpose, the restoration of the physical features (pavement, curb, guardrail, etc.) without altering the original design elements. **(Surface and Intermediate layer Mill and Fills, overlays with less than or equal to 3" of additional pavement, ect...)**

*(4R) Resurfacing, Restoration, Rehabilitation and Reconstruction - Much like 3R, except that 4R allows for the complete reconstruction of the roadway and alteration of certain design elements (i.e., lane widths, shoulder width, SSD, **overlays with greater than 3" of additional pavement,** etc.).

BRIDGES SUFFICIENCY RATING

Extremely Critical:	0-25, or a General Appraisal rating of 3 or less.
Critical:	27-50, or a General Appraisal rating of 4.
Major:	51-65 or a General Appraisal rating of 5 or 6.
Moderate:	66-80 or a General Appraisal rating of 7.
Minimal:	81-100 or a General Appraisal rating of more than 7.
No Impact:	Bridge on a new roadway.

WASTEWATER TREATMENT PLANTS

Extremely Critical:	Environmental Protection Agency (EPA) orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.
Critical:	Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.
Major:	Replace deficient appurtenances. Update existing processes due to EPA recommendations.
Moderate:	Increase capacity to meet current needs or update processes to improve effluent quality.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER TREATMENT PLANT

Extremely Critical:	EPA orders in the form of a consent decree, findings and orders or court order.
Critical:	Improvements to meet Environmental Protection Agency (EPA) Safe Drinking Water Regulations and/or NPDES Orders.
Major:	Replace deficient appurtenances. Update existing processes due to EPA recommendations.
Moderate:	Increase capacity to meet current needs or update processes to improve water quality.
Minimal:	New/Expansion project to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

COMBINED SEWER SEPARATIONS (May be construction of either new storm or sanitary sewer as long as the result is two separate sewer systems.)

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.

Critical: Separate, due to chronic backup or flooding in basements.

Major: Separate, due to documented water quality impairment, or due to EPA recommendations.

Moderate: Separate, due to specific development proposal within or upstream of the combined system area.

Minimal: Separate, to conform to current design standards.

No Impact: No positive health effect.

STORM SEWERS

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Chronic flooding (structure damage).

Major: Inadequate capacity (land damage).

Moderate: Inadequate capacity with no associated damage.

Minimal: New/Expansion to meet current needs.

No Impact: New/Expansion to meet future or project needs.

CULVERTS

Extremely Critical: Structurally deficient or functionally obsolete. Deterioration has already caused a safety Critical: hazard to the public.

Critical: Inadequate capacity with land damage and the existing or high probability of property damage.

Major: Inadequate capacity (land damage).

Moderate: Inadequate capacity with no associated damage.

Minimal: New/Expansion to meet current needs.

No Impact: New/Expansion to meet future or projected needs.

SANITARY SEWERS

Extremely Critical: EPA orders in the form of a consent decree, findings and orders or court order. Health Department Construction Ban.

Critical: Replace, due to chronic pipe failure, chronic backup or flooding in basements. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.

Major: Replace, due to inadequate capacity or infiltration, or due to EPA recommendations.

Moderate: Rehabilitate to increase capacity to meet current needs or to reduce inflow and infiltration.

Minimal: New/Expansion project to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

SANITARY LIFT STATIONS AND FORCE MAINS

Extremely Critical: Structurally deficient. Deterioration has already caused a safety/health hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Inadequate capacity with actual or a high probability of property damage. Improvements ordered by the Environmental Protection Agency (EPA) in the form of NPDES Orders.

Major: EPA recommendations, or, reduces a probable health and/or safety problem.

Moderate: Rehabilitate to increase capacity to meet current needs.

Minimal: New/Expansion to meet a specific development proposal.

No Impact: New/Expansion to meet future or projected needs.

WATER PUMP STATIONS

Extremely Critical: Structurally deficient. Deterioration has already caused a safety hazard to the public, or, EPA orders in the form of a consent decree, findings and orders or court order.

Critical: Inadequate capacity with the inability to maintain pressure required for fire flows.

Major: Replace due to inadequate capacity or EPA recommendations.

Moderate:	Rehabilitate to increase capacity to meet current needs.
Minimal:	New/Expansion to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

WATER LINES/WATER TOWERS

Extremely Critical:	Solve low water pressure or excessive incidents of main breaks in project area.
Critical:	Replace, due to deficiency such as excessive corrosion, etc.
Major:	Replace undersized water lines as upgrading process.
Moderate:	Increase capacity to meet current needs.
Minimal:	New/Expansion project to meet a specific development proposal.
No Impact:	New/Expansion to meet future or projected needs.

OTHER

Extremely Critical:	There is a present health and/or safety threat.
Critical:	The project will provide immediate health and/or safety benefit.
Major:	The project will reduce a probable health and/or safety problem.
Moderate:	The project will delay a health and/or safety problem.
Minimal:	A possible future health and/or safety problem mitigation.
No Impact:	No health and/or safety effect.

NOTE: *Combined projects that can be rated in more than one subset may be rated in the other category at the discretion of the District 5 Executive Committee. In general, the majority of the cost or scope of the project shall determine the category under which the project will be scored.*

(Submittals without supporting documentation will receive 0 Points for this question.)

Extremely Critical ___, Critical ___, Major ___, Moderate ✓, Minimal ___, No Impact ___. Explain your answer.

Replacement of undersized wetwell can reduce or prevent basement flooding in the service area. See attached

(Additional narrative, charts and/or pictures should be attached to questionnaire)

4. Identify the amount of local funds that will be used on the project as a percentage of the total project cost.

A.) Amount of Local Funds = $ 1,963,500.00

B.) Total Project Cost = $ 2,226,000.00

RATIO OF LOCAL FUNDS DIVIDED by TOTAL PROJECT COSTS (A□B)= 88 %

Note: Local funds should be considered funds derived from the applicant budget or loans funds to be paid back through local budget, assessments, rates or tax revenues collected by the applicant.

5. Identify the amount of other funding sources to be used on the project, excluding State Issue II or LTIP Funds, as a percentage of the total project cost.

Grants ___% Gifts ___%, Contributions ___%

Other 88 % (explain) OEPA , Total 88 %

Note: Grant funds and other revenues not contributed or collected through taxes by the applicant should be considered other funds. The Scope of Work for each Funding Source must be the same.

6. Total Amount of SCIP and Loan Funding Requested- An Applicant can request a grant per the categories below for points as indicated on the Priority Rating Sheet. If the Applicant is including a loan request equal to, but not exceeding 50% of the OPWC funding amounts listed below, there will be no point penalty. If loan funds requested are more than 50%, points as listed in the Priority Rating Sheet will apply.

_____	$500,001 or More
_____	$400,001-$500,000
_____	$325,001-$400,000
_____	$275,001-$325,000
___✓___	$175,001-$275,000
_____	$175,000 or Less

There are times when the District spends all of the grant money and has loan money remaining. When this happens, the district makes a loan offer in the amount of the requested grant to the communities that were not funded. The offers are made in the order of scoring. We need to know if you are not successful in obtaining grant dollars for your project if you would be interested in loan money:

YES ✓ NO_____

(This will only be considered if you are not funded with grant money and there is remaining loan money.) **Please note: if you answer "no" you will not be contacted, only if you answer "yes" will an offer be made in the event that there is loan money remaining.**

7. If the proposed project is funded, will its completion directly result in the creation of permanent full-time

equivalent (FTE) jobs (FTE jobs shall be defined as 35 hours/week) ? Yes ___ No ✓. If yes, how many jobs within eighteen months? __ Will the completed project retain jobs that would otherwise be permanently lost? Yes ___ No ___. If yes, how many jobs ____ **will be created/retrained** within 18 months **following the completion of the improvements**?

(Supporting documentation in the form of letter from affected industrial or commercial enterprises that specify full time equivlent jobs that will be retained or created directly by the installation or improvement of Public infrastructure. Additional items such as; 1) newspaper articles or other media news accounts, 2) public meeting minutes, and/or 3) a letter from the County Economic Development Director or State of Ohio Economic Development Professional that alludes to the requirement for the infrastructure improvement to support the business. Submittals without supporting documentation will receive 0 points for this question.)

8. What is the total number of existing users that will directly benefit from the proposed project if completed? 1080 HH (Use households served, traffic counts, etc. and explain the basis by which you arrived at your number.) Basis: Customer Count

9. Is subdivision's population less than 5,000 Yes ___ No ✓

If yes, continue. You may want to design your project per Small Government Project Evaluation Criteria, released for the current OPWC Round to assist in evaluating your project for potential Small Government Funding. The Small Government Criteria is available on the OPWC website at http://www.pwc.state.oh.us/Meth.SG.PDF If No, skip to Question 11.

10. **OHIO PUBLIC WORKS COMMISSION SMALL GOVERNMENT PROGRAM GUIDELINES**

All projects that are sponsored by a subdivision with a population of 5,000 or less, and not earning enough points for District Funding from SCIP or LTIP Funds, are then rated using the Small Government Program Rating Criteria for the corresponding funding round. In order to be rated the entity must submit the Small Government Suppliment and their required budgets with their application. **Only infrastructure that is village- or township- owned is eligible for assistance.** The following policies have been adopted by the Small Government Commission:

- District Integrating Committees may submit up to seven (7) applications for consideration by the Commission. All 7 must be ranked, however, only the top five (5) will be scored. The remaining two (2) will be held as contingency projects should an application be withdrawn.

- Grants are limited to $500,000. Any assistance above that amount must be in the form of a loan.

•Grants for new or expanded infrastructure cannot exceed 50% ofthe project estimate.

•The Commission may deny funding for water and sewer systems that are deemed to be more cost-effective if regionalized.

•If a water or sewer project is determined to be affordable, the project will be offered a loan rather than a grant. Pay special attention to the **Water & Wastewater Affordability Supplemental and the Small Government Water & Wastewater Affordability Calculation Worksheet. Both are available on the Small Government Program Tab at http://www.pwc.state.oh.us/SmallGovernment.html**

•Should there be more projects that meet the "annual score" than there is funding, the tie breaker is those projects which scored highest under Health & Safety, with the second tie breaker being Condition. If multiple projects have equivalent Health & Safety and Condition scores they are arranged according to the amount of assistance from low to high. Once the funded projects are announced, "contingency protects" may be funded from project under-runs by continuing down the approved project list.

• Supplemental assistance is not provided to projects previously funded by the Commission.

•Applicants have 30 days from receipt of application by OPWC without exception to provide additional documentation to make the application more competitive under the Small Government criteria. Applications will be scored after the 30-day period has expired. The applicants for each District's two (2) contingency projects will have the same 30-day period to submit supplemental information but these applications will not be scored unless necessary to do so. **It is each applicant's responsibility for determining the need for supplemental material. The applicant will not be asked for or notified of missing information unless the Commission has changed the project type and it affects the documentation required. Important information may include, but is not limited to: age of infrastructure, traffic counts or utility users, median income information, user rates ordinances, and the Auditor's Certificate of Estimated Revenues or documentation from the Auditor of State that subdivision is in a state of fiscal emergency.**

If you desire to have your Round 33 project considered for Small Government Funding please download the Small Government Evaluation Criteria applicable to Round 33 by accessing the OPWC Website at http://www.pwc.state.oh.us/Meth.SG.PDF. Please complete the Small Government Evaluation Criteria and attach all required supporting documentation and attach it to the District 5 Questionnaire for Round 32.

11. MANDATORY INFORMATION, DISTRICT 5, DISCRETIONARY RANKING POINTS

List all specific user fees: Amount or
ROAD & BRIDGE PROJECTS: (OHIO REVISED CODE) Percentage

Permissive license fee

4504.02 or 4504.06 _____
4504.15 or 4504.17 _____
4504.16 or 4504.171 _____
4504.172 _____
4504.18 _____

Special property taxes 5555.48 _____
5555.49 _____

Municipal Income Tax _____

County Sales Tax _____

Others _____

_____

_____

(DO NOT INCLUDE SCHOOL TAXES)

SPECIFIC PROJECT AREA INFORMATION.

Median household income $58,033.00

Monthly utility rate: Water $29.09

Sewer $49.59

Other _____

List any special user fees or assessment (be specific)

None

_____

_____

POLITICAL SUBDIVISION= Northwestern Water and Sewer District

COUNTY= Wood

DISCRETIONARY POINTS (BY DISTRICT COMMITTEE ONLY)= _____

(25-20-15)

Date: September 6, 2019

Signature: Garrett T. Chamberlain

Title: Assistant District Engineer

Address: 12560 Middleton Pike; P.O. Box 348, BG, Ohio 43402

Phone: 419 354-9090 ext.

FAX: 419 354-9344

Email: gchamberlaine nwwsd.org

District 5

Capital Improvement Project

Priority Rating Sheet, Round 34

Revised 04/23/19

PROJECT NUMBER

COUNTY: WOOD

PROJECT: WILLOW BEND PS

EST. COST: 2,226,000

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A" x "B"	Priority Factors 0	2	4	6	8	10	No.
1	1	(Repair or Replace) vs. (New or Expansion)	0 2 4 6 8 (10)	10	0% + Repair or Replacement	20% + Repair or Replacement	40% + Repair or Replacement	60%+ Repair or Replacement	80%+ Repair or Replacement	100%+ Repair or Replacement ✓	1
2	1.5	Existing Physical Condition: Must submit substantiating documentation and CIR (100% New or Expansion = 0 Points)	0 2 4 (6) 8 10	9	Excellent	Good	Fair	Poor ✓	Critical	Closed or Not Operating	2
3	2	Public Health and/or Public Safety Concerns Submittals without supporting documentation will receive 0 points for this question	0 2 (4) 6 8 10	8	No Impact	Minimal	Moderate ✓	Major	Critical	Extremely Critical	3
4	2	Percentage of Local Share (Local funds are funds derived from the applicant budget or a loan to be paid back through the applicant budget, assessments, rates or tax revenues) *	0 2 4 6 8 (10)	20	0%+	10%+	20%+	30%+	40%+	50%+ ✓	4
5	1	OTHER FUNDING SOURCES (Excluding Issue II Funds) (Grants and other revenues not contributed or collected through taxes by the applicant; including Gifts, Contributions, etc. – must submit copy of award or status letter.)	(0) 2 4 6 8 10	0	0%+ ✓	10%+	20%+	30%+	40%+	50%+	5

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A"x"B"	Priority Factors -9	-8	0	8	9	10	No.
					Grant or Loan Only						
6	2	OPWC Grant and Loan Funding Requested; Please refer to Item 6 on Questionnaire for Clarification.	-9 -8 0 8 9 10		$500,001 or more	$400,001 to $500,000	$325,001 to $400,000	$275,001 to $325,000	$175,001 to $275,000	$175,000 or less	6
					Grant/Loan Combination						
	2		-9 -8 0 8 9 (10)	20	$750,000 or more	$600,001 to $750,000	$487,501 to $600,000	$412,501 to $487,500	$262,501 to $412,500	$262,500 ✓ or less	6

When scoring a project that is only grant or only loan. Please use the chart labeled "Grant or Loan Only". When scoring a grant/loan combination, score the project for the grant in the first chart, then use the second chart labeled "Grant/Loan Combination" to score the total (grant and loan combined). Use the lower of the two as the score.

No.	"A" WEIGHT FACTOR	CRITERIA TO BE CONSIDERED	"B" PRIORITY FACTORS	"A" x "B"	Priority Factors 0	2	4	6	8	10	No.
7	1	Will the Proposed Project Create Permanent jobs or retain jobs that would otherwise be permanently lost (Written Documentation Required)	(0) 2 4 6 8 10	0	0+ jobs ✓	7+ jobs	15 + jobs	25 + jobs	50 + jobs	100 + jobs	8
8	1	Benefits to Existing Users such as households, (Equivalent dwelling units), traffic Counts, etc.	0 2 4 6 8 (10)	10	0+	100+	350+	500+	750+	1000+ ✓	9
9		SUBTOTAL RANKING POINTS (MAX. = 115)		77	Other Info: Does this project have a significant impact on productive farmland? YES (NO) *Attach impact statement if yes.* Is the Applicant ready to proceed to bids after State Approval within 6 months? (YES) NO						
10		COUNTY PRIORITY POINTS (25-20-15)									
11		DISCRETIONARY POINTS (BY DISTRICT ONLY) (MAX =12)									
12		GRAND TOTAL RANKING POINTS									

*** Applicants must certify local share contribution. Specify, all funding sources to be utilized as local share at the time of application submittal.**