



# 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: City of Brookville Subdivision Code: 113-09358

District Number: 4 County: Montgomery Date: 08/22/2022

Contact: Sonja Keaton Phone: (937) 833-2135  
(The individual who will be available during business hours and who can best answer or coordinate the response to questions)

Email: skeaton@brookvilleohio.com FAX: \_\_\_\_\_

**Project**

Project Name: N. Wolf Creek Street Waterline Replacement Project Zip Code: 45309

Subdivision Type	Project Type	Funding Request Summary	
	(Select single largest component by \$)	(Automatically populates from page 2)	
<u>City</u>	1. Road	Total Project Cost:	<u>1,472,646</u> .00
	2. Bridge/Culvert	1. Grant:	<u>368,162</u> .00
	x 3. Water Supply	2. Loan:	<u>1,104,484</u> .00
	4. Wastewater	3. Loan Assistance/ Credit Enhancement:	<u>0</u> .00
	5. Solid Waste	Funding Requested:	<u>1,472,646</u> .00
	6. Stormwater		

### District Recommendation (To be completed by the District Committee)

<u>Funding Type Requested</u> <small>(Select one)</small>	SCIP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<input type="checkbox"/> State Capital Improvement Program	RLP Loan - Rate: _____ % Term: _____ Yrs	Amount: _____ .00
<input type="checkbox"/> Local Transportation Improvement Program	Grant:	Amount: _____ .00
<input type="checkbox"/> Revolving Loan Program	LTIP:	Amount: _____ .00
<input type="checkbox"/> Small Government Program	Loan Assistance / Credit Enhancement:	Amount: _____ .00
District SG Priority: _____		

### For OPWC Use Only

<u>STATUS</u>	Grant Amount: _____ .00	Loan Type: <input type="checkbox"/> SCIP <input type="checkbox"/> RLP
Project Number: _____	Loan Amount: _____ .00	Date Construction End: _____
_____	Total Funding: _____ .00	Date Maturity: _____
Release Date: _____	Local Participation: _____ %	Rate: _____ %
OPWC Approval: _____	OPWC Participation: _____ %	Term: _____ Yrs

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

**1.1 Project Estimated Costs**

**Engineering Services**

Preliminary / Final Design:	<u>100,000</u>	.00	
Construction Administration:	<u>10,000</u>	.00	
<b>Total Engineering Services:</b>	a.) <u>110,000</u>	.00	<u>8.9</u> %
Right of Way:	b.) <u>0</u>	.00	
Construction:	c.) <u>1,237,860</u>	.00	
Permits, Advertising, Legal:	e.) <u>1,000</u>	.00	
Construction Contingencies:	f.) <u>123,786</u>	.00	
<b>Total Estimated Costs:</b>	g.) <u>1,472,646</u>	.00	

**1.2 Project Financial Resources**

**Local Resources**

Local In-Kind or Force Account:	a.) <u>0</u>	.00	
Local Revenues:	b.) <u>0</u>	.00	
Other Public Revenues:			
Local / ODOT - Let: _____	d.) <u>0</u>	.00	
ODOT PID: _____			
OEPA / OWDA:	e.) <u>0</u>	.00	
CDBG:	f.) _____	.00	
Other: _____	g.) <u>0</u>	.00	
<b>Subtotal Local Resources:</b>	i.) <u>0</u>	.00	<u>0</u> %

**OPWC Funds (Check all requested and enter Amount)**

Grant: <u>25</u> % of OPWC Funds	j.) <u>368,162</u>	.00	
Loan: <u>75</u> % of OPWC Funds	k.) <u>1,104,484</u>	.00	<u>30</u> yrs
Loan Assistance / Credit Enhancement:	l.) <u>0</u>	.00	
<b>Subtotal OPWC Funds:</b>	m.) <u>1,472,646</u>	.00	<u>100</u> %
<b>Total Financial Resources:</b>	n.) <u>1,472,646</u>	.00	<u>100</u> %

### 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 New / Expansion: \_\_\_\_\_<sup>0</sup>.00

### 3.0 Project Schedule

3.1 Engineering / Design / Right of Way      Begin Date: 12/12/2022      End Date: 04/14/2023

3.2 Bid Advertisement and Award              Begin Date: 05/12/2023      End Date: 06/15/2023

3.3 Construction                                      Begin Date: 07/10/2023      End Date: 11/10/2023

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: 36 Years      Age: 1960 (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 \_\_\_\_\_

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

Residential Water Rate      Current \$ 43      Number of households served: 97

Residential Wastewater Rate      Current \$ 0      Number of households served: \_\_\_\_\_

Stormwater:    Number of households served: \_\_\_\_\_

### 4.3 Project Description

A: SPECIFIC LOCATION (Supply a written location description that includes the project termini; a map does not replace this requirement.) 2000 character limit.

This project is located on N. Wolf Creek Street, between Western Avenue and Arlington Road, and will include McMaken Lane that connects with N. Wolf Creek Street.

**B: IDENTIFY THE PROBLEM (Describe the issue to be addressed) 2000 character limit.**

The existing 4" and 6" water main will be replaced with an 8" water main that will run the entire length of the project, approximately 3,900 feet. Additionally, the existing 6" water main on McMaken Lane, 325 feet, will be replaced with an 8" main as part of this project.

Currently there is a 4" water main from Western Avenue to north of Durwell Avenue that was installed in 1903, and a 4" water main from north of Durwell to north of Brookside Drive that was installed in 1951. There is a 6" water main at Karland Drive to Arlington Road that was installed in 1960. The area that surrounds the 6" water main is considered our general business district. This district is home to two apartment complexes, two laundromats, a grocery store, several restaurants, numerous retail businesses, a beauty salon, an insurance agency, and a gas station.

**Population**

in 1960 had almost doubled the population of 1950 in Brookville. Residents and commercial businesses were expanding to the western edge of Brookville. A new supermarket began construction between Arlington Road and Wolf Creek Street, which is now known as McMaken Lane. Other businesses chose to locate near McMaken's in 1962. Interstate 70 was opened from Clayton, Ohio to Richmond, Indiana in 1964.

It is vital that the existing water main be replaced with an 8" water main that will create a reliable delivery of drinking water to our residents and businesses. Upgrading the waterline will improve fire protection, which is especially important to our Fire Department as it relates to water availability for firefighting. The fire hydrants along N. Wolf Creek Street offer extremely poor volume. We have observed tuberculation buildup in the 4" main during repairs.

Since 2018, we have experienced six watermain breaks in the 400 block of N. Wolf Creek Street. Enclosed is a photo of a section of 4" watermain constructed in 1903 that was removed in April 2022 for repairs.

**C: PROJECT SCOPE (Describe the work to be completed) 2000 character limit.**

The project includes 4,550' of 8" DIP CL-51 water main, 100' of 8" DIP CL-51 water main jack and bored in steel casing pipe, 1,775' of 1" water service branch, 6 tapping sleeves and valves, 25-8" gate valves, the removal of 8 fire hydrants and the installation of 11-6" fire hydrants, 730 CY aggregate base, 210 CY 2 1/4" asphalt intermediate course, 100 CY of 1 1/4" asphalt surface course, Type B conduit and curb and gutter replacement. This project also includes a water sampling station at creek crossing.

## 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: Sonja Keaton  
Title: \_\_\_\_\_  
Address: 301 Sycamore Street  
\_\_\_\_\_  
City: Brookville State: OH Zip: 45309  
Phone: (937) 833-2135  
FAX: \_\_\_\_\_  
E-Mail: skeaton@brookvilleohio.com

### 5.2 Chief Financial Officer (Can not also serve as CEO)

Name: Michelle Brandt  
Title: \_\_\_\_\_  
Address: 301 Sycamore Street  
\_\_\_\_\_  
City: Brookville State: OH Zip: 45309  
Phone: (937) 833-2135  
FAX: \_\_\_\_\_  
E-Mail: mbrandt@brookvilleohio.com

### 5.3 Project Manager

Name: Allan Heitbrink  
Title: Project Manager  
Address: 440 E. Hoewisher Road  
\_\_\_\_\_  
City: Sidney State: OH Zip: 45365  
Phone: 937-497-0200  
FAX: \_\_\_\_\_  
E-Mail: ajh@choiceoneengineering.com

## 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.

Farmland Preservation Review - The Governor's Executive Order 98-IV, "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.**

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

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Original Signature / Date Signed



No.

**RESOLUTION NO. 22-20**

Passed

AUGUST 16

Yr. 2022

**A RESOLUTION AUTHORIZING THE CITY OF BROOKVILLE 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 City of Brookville is planning to make capital improvements to the N. Wolf Creek Street Waterline Replacement Project; and

**WHEREAS**, the infrastructure improvement herein above described is considered to be a priority need for the community and is a qualified project under the Ohio Public Works Commission (OPWC) programs.

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF BROOKVILLE, OHIO, THAT:**

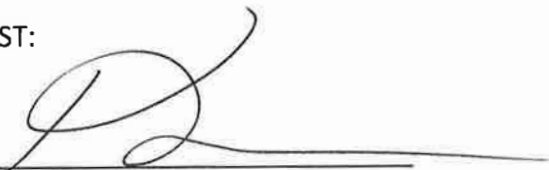
**SECTION I:** The City Manager is hereby authorized to apply to the OPWC for funds as described above.

**SECTION II:** The City Manager is further authorized to enter into any agreements as may be necessary and appropriate for obtaining this financial assistance.

**SECTION III:** This Resolution shall take effect and be in force thirty (30) days after passage as provided by the Charter of the City of Brookville.

PASSED this 16th day of August 2022.

ATTEST:



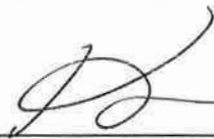
Kimberly Duncan, Clerk



Charles Letner, Mayor

**CERTIFICATE**

The undersigned, Clerk of the City of Brookville, Ohio does hereby certify that the foregoing is a true and correct copy of Resolution No. 22-20, passed by the Council of said City on the 16th day of August 2022.



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Kimberly Duncan, Clerk

**CERTIFICATE OF POSTING**

The undersigned, Clerk of the City of Brookville, Ohio hereby certifies that the foregoing Resolution No. 22-20 was posted at the City Building, U.S. Post Office, and the Brookville Branch of the Montgomery County Library, Brookville, Ohio on the 17th day of August 2022 to the 15th day of September 2022, both days inclusive.



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Kimberly Duncan, Clerk



**CERTIFICATION OF LOAN REPAYMENT LETTER**

August 15, 2022

I, Michelle Brandt, Director of Finance of the City of Brookville, hereby certifies that the City of Brookville will have the amount of \$1,472,646 in the Water Fund and that this amount will be used to repay the Ohio Public Works Commission SCIP loan requested for the North Wolf Creek Waterline Project over a 30-year term.

A handwritten signature in black ink that reads "Michelle Brandt".

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Michelle Brandt  
Director of Finance

# WOLF CREEK STREET WATERLINE REPLACEMENT

## CITY OF BROOKVILLE

### PRELIMINARY CONSTRUCTION ESTIMATE

Waterline replacement from Western Ave to Arlington Rd. approx. 3,900 ft. and 325 ft on McMaken Ln

June 7, 2022

ITEM NO.	DESCRIPTION	UNIT OF MEASURE	APPROX. QTY.	UNIT PRICE	TOTAL
202	REMOVED	LUMP	1	\$15,000.00	\$15,000.00
202	CURB AND GUTTER REMOVED	FT.	610	\$8.00	\$4,880.00
202	WALK REMOVED	S.F.	850	\$4.00	\$3,400.00
204	SUBGRADE COMPACTION	S.Y.	2575	\$2.00	\$5,150.00
304	AGGREGATE BASE	C.Y.	730	\$60.00	\$43,800.00
407	TACK COAT, 0.06 GAL/S.Y.	GAL.	160	\$10.00	\$1,600.00
441	2-3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (449)	C.Y.	210	\$325.00	\$68,250.00
441	1-1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (449) PG 64-22	C.Y.	100	\$350.00	\$35,000.00
608	CURB RAMP	S.F.	400	\$22.00	\$8,800.00
608	4" CONCRETE WALK	S.F.	980	\$10.00	\$9,800.00
609	COMBINATION CURB AND GUTTER	FT.	610	\$38.00	\$23,180.00
611	4" CONDUIT, TYPE B, 707.45	FT.	100	\$40.00	\$4,000.00
611	6" CONDUIT, TYPE B, 707.45	FT.	100	\$45.00	\$4,500.00
611	8" CONDUIT, TYPE B, 707.45	FT.	100	\$50.00	\$5,000.00
611	12" CONDUIT, TYPE B, 707.45	FT.	150	\$80.00	\$12,000.00
611	6" PVC, SDR-35 SANITARY SEWER LATERAL	FT.	500	\$65.00	\$32,500.00
614	MAINTAINING TRAFFIC	LUMP	1	\$20,000.00	\$20,000.00
623	CONSTRUCTION LAYOUT STAKES AND SURVEYING	LUMP	1	\$6,000.00	\$6,000.00
638	1" WATER SERVICE BRANCH	FT.	1775	\$60.00	\$106,500.00
638	8" DIP CL-51 WATER MAIN	FT.	4550	\$125.00	\$568,750.00
638	8" DIP CL-51 WATER MAIN, JACK AND BORED IN STEEL CASING PIPE	FT.	100	\$650.00	\$65,000.00
638	8" GATE VALVE	EACH	25	\$2,250.00	\$56,250.00
638	8" X 6" TAPPING SLEEVE AND VALVE	EACH	3	\$5,500.00	\$16,500.00
638	8" X 10" TAPPING SLEEVE AND VALVE	EACH	3	\$7,500.00	\$22,500.00
638	6-INCH FIRE HYDRANT ASSEMBLY	EACH	11	\$7,500.00	\$82,500.00
638	WATER SAMPLING STATION AT CREEK CROSSING	EACH	1	\$5,000.00	\$5,000.00
638	FIRE HYDRANT REMOVED	EACH	8	\$500.00	\$4,000.00
659	SEEDING AND MULCHING, CLASS 1	S.Y.	1000	\$8.00	\$8,000.00
<b>CONSTRUCTION SUBTOTAL</b>					<b>\$1,237,860.00</b>
<b>CONTINGENCY (10%)</b>					<b>\$123,786.00</b>
<b>TOTAL CONSTRUCTION COST</b>					<b>\$1,361,646.00</b>



We make no warranty, express or implied, that the actual construction cost of the work associated with these estimated quantities and costs will not vary. The cost reflects our opinion of current probable construction cost.

**CERTIFICATE OF ESTIMATE:**

I HEREBY CERTIFY THAT THE PROJECT ESTIMATED COSTS LISTED ABOVE ARE REALISTIC BASED ON THE LEVEL OF DETAIL CURRENTLY AVAILABLE FOR THIS PROJECT AND ANTICIPATED FOR A 2023 CONSTRUCTION TIME FRAME.

I ALSO CERTIFY THAT THIS PROJECT HAS AN EXPECTED USEFUL LIFE OF 36 YEARS BASED UPON NORMAL USAGE AND REGULAR MAINTENANCE, AND CONSTRUCTED AS PER CURRENT STANDARDS IN USE BY THE OHIO

<u>Component</u>	<u>Useful Life</u>	<u>Estimated Cost</u>	<u>Weighted Useful Life</u>
Reconstruction	25 years	\$164,571.00	\$4,114,275
Resurfacing	15 years	\$113,575.00	\$1,703,625
Sewer	40 years	\$63,800.00	\$2,552,000
Water	40 years	\$1,019,700.00	\$40,788,000
		<u>\$1,361,646.00</u>	<u>\$49,157,900</u>

Average weighted useful life of total project = **36 YEARS**

Allan J. Heitbrink

8/1/2022  
Date



A weighted useful life statement stamped/sealed and signed by a licensed professional engineer must be included with the project application.

This spreadsheet has formulas to make a weighted useful life calculation and is populated with an example for illustrative purposes. Items can be added to column a.

**Weighted Useful Life & Design Service Capacity Calculations**

Wolf Creek Street Waterline Replacement

Major Component	Cost (\$1,000)	Portion Repair / Replacement (%)	Repair / Replace Product	Useful Life (Years)	Useful Life Product
Full-depth road construction w/ drainage	164.571	100	16457.1	25	4114.275
Full-depth road construction w/o drainage				25	
Partial-depth road construction w/ drainage	113.575	100	11357.5	15	1703.625
Partial-depth road construction w/o drainage				15	
Storm Sewers	63.8	100	6380	40	2552
Sanitary Sewers				40	
Water Lines	1019.7	100	101970	40	40788
Bridge				75	
Pumps, Lift Stations				15	
Sidewalks				25	
Bike Facility				7	
<b>Totals</b>	<b>1361.646</b>		<b>136164.6</b>		<b>49157.9</b>

Weighted Useful Life: 36 Years

Design Service Capacity (Project Application, Section 2.0):

Portion Repair / Replace 100 %  
 Portion New / Expansion %



*Allan J. Heitbrink*  
 Allan J. Heitbrink

8/1/2022  
 Date

# OHIO PUBLIC WORKS COMMISSION DISTRICT 4

## Round 2022-2023 Supplemental Questionnaire

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**Applicant:** \_\_\_\_\_

**Project Title:** \_\_\_\_\_

### Application Summary:

**Briefly describe the project:**

### Priority:

<b>Is this application your priority project? (Circle One)</b>	
Yes	No

### Generation of Revenue:

<b>Will new user fees or assessments be assessed as part of this project? (Circle One)</b>	
Yes	No
<b>What will the new user fees or assessments be used for?</b>	

### Additional Funding:

<b>Will OPWC match, in part, a committed grant or loan? (Circle One)</b>	
Yes	No
<b>If no, was the project submitted to an appropriate agency for funding, but denied due to lack of funding? (Circle One)</b>	
Yes – Appropriate Documentation Attached	No

### Readiness of Project:

<b>Will this project be substantially underway on or before June 1, 2024? (Circle One)</b>	
Yes	No

### Health & Safety:

<b>Describe the specific health or safety issue being addressed by this project. What deficiency or condition is causing the health or safety issue?</b>

## Addresses District Infrastructure Needs:

<b>Is this project located in more than one community? (Circle One)</b>		
Yes	No	
<b>What percentage of the community will be served by this project? (Circle One)</b>		
Less than 25%	25% to 40%	More than 40%

## Economic Development

<b>How many jobs are being created as a result of this project?</b>	
<b>How many jobs will be retained as a result of this project?</b>	
<b>Why is it necessary to fund this improvement to secure this development?</b>	
<b>What type of industry is proposed in this development?</b>	

## Relieve Existing Traffic Congestion:

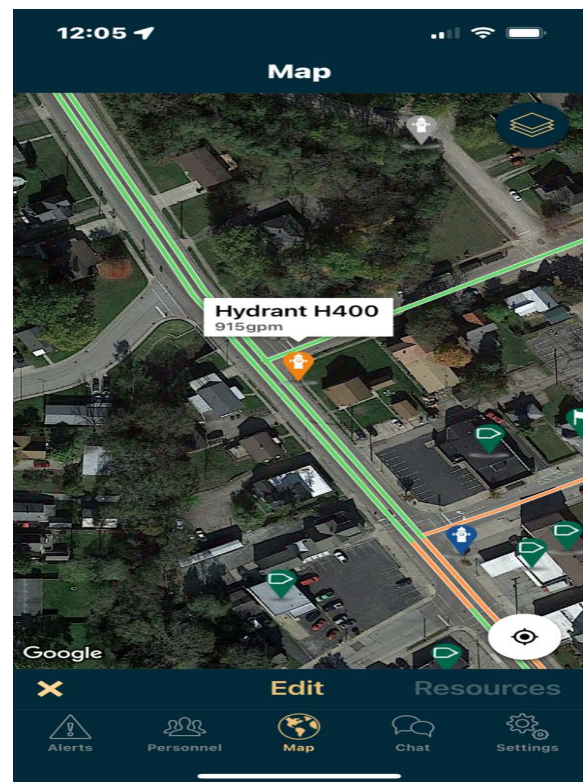
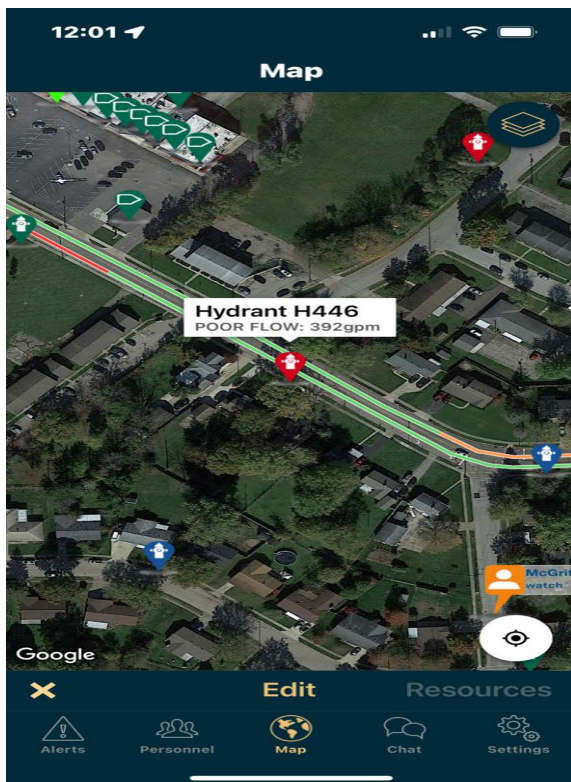
<b>What is the level of service?</b>	
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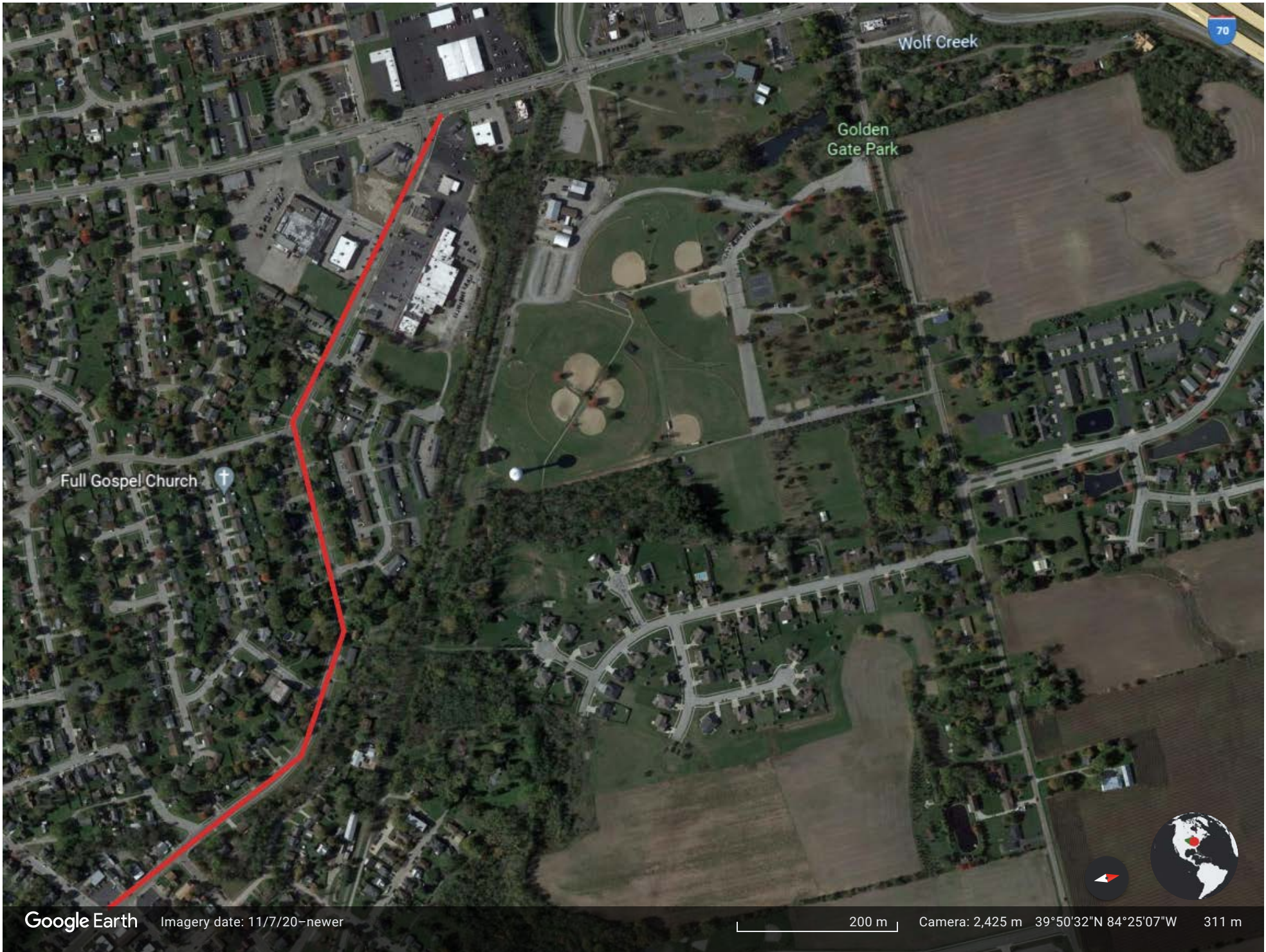


## Other Factors

What other factors exist that make this project more important than other like projects?

COLOR	CLASS	AVAILABLE FLOW @ 20 psi residual
BLUE	AA	1500 GPM or more
GREEN	A	1000-1499 GPM
ORANGE	B	500-999 GPM
RED	C	Below 500 GPM





Vicinity Map - N. Wolf Creek Street Waterline Replacement Project



Section of 4' watermain removed during watermain break on S. Wolf Creek Street in April 2022



August 4, 2022

Sonja Keaton  
301 Sycamore Street  
P.O. Box 10  
Brookville, OH 45309

Subject: Wolf Creek Street Waterline Replacement  
City of Brookville, Ohio

As the engineer for the City of Brookville, we recommend the replacement of the 4" water main on Wolf Creek Street from Arlington Road to Western Avenue. Additionally, the existing 6" water main on McMaken Lane will be replaced with an 8" water main as part of this project.

The waterline replacement project consists of abandoning the existing 4" waterline and replacing with a larger 8" water main, which will include the replacement of water service laterals and fire hydrants. This section of water main is undersized and upgrading the waterline will improve fire protection as well as create a reliable delivery of drinking water to the residents.

If you have any questions or concerns, please give us a call.

Sincerely,

A handwritten signature in blue ink that reads "Allan Heitbrink".

Allan J. Heitbrink, P.E.  
Project Manager

W. Central Ohio/E. Indiana  
440 E. Hoewisher Rd.  
Sidney, OH 45365  
937.497.0200 Phone

S. Ohio/N. Kentucky  
8956 Glendale Milford Rd., Suite 1  
Loveland, OH 45140  
513.239.8554 Phone

[www.CHOICEONEENGINEERING.com](http://www.CHOICEONEENGINEERING.com)





FROM THE DESK OF...  
RONALD E. FLETCHER, OFE  
DIRECTOR OF FIRE / FIRE CHIEF

## MEMORANDUM

August 3, 2022

**TO:** Sonja Keaton, City Manager  
**FROM:** Ronald Fletcher, Fire Chief  
**REF:** Wolf Creek Street Water System Improvements

The water main that runs along Wolf Creek Street and McMaken Lane, and its potential improvement, is important to the Brookville Fire Department as it relates to water available for firefighting.

Portions of the water main along this main thoroughfare date back to 1903 and are only four or six inches in diameter. This main has been further narrowed by decades of mineral build-up inside the piping. Fire hydrants along this main offer extremely poor volume. Several large businesses are situated along Wolf Creek Street and McMaken, along with numerous residential structures. This area is also experiencing new commercial construction.

The small and obstructed water main fails to offer the necessary flow, requiring firefighters to lay long lengths of supply line to other water mains that offer adequate water. This lack of water makes it challenging to suppress a building fire in this area, and even more challenging to protect neighboring buildings exposed to the original fire building.

Fire departments today face numerous challenges – adequate staffing, homes full of combustibles that burn extremely fast and building contents that require a greater fire flow than fifty years ago. We can often overcome these challenges with a good water supply. The difficult nature of our job, combined with a poor water supply, place our residents and our firefighters in a dangerous position. I support and encourage efforts to improve the water line along Wolf Creek Street and McMaken Lane.

Please feel free to contact me with questions / concerns.

**Table 9  
Replacement Priority Ranking and  
Probable Construction Cost based on 8-inch Waterline Replacement**

Label	Dia. (in)	Approx. Installation Year	Length (ft)	Location	Included in Fire Flow Improvements	Priority Ranking	Probable Construction Cost*
P-218	4	1951	388	S Hill St - From Westbrook to Western		3	\$221,220
P-219	4	1954	841				
P-270	4	1951	327	N Clay St - from Western to Church		3	\$58,860
P-290	4	1951	553	N Orchard - from Western to Mound		3	\$127,800
P-268	4	1951	157				
P-275	4	1951	27	Rock St at Church - short pipe connection from 8" to 4"		3	\$9,000
P-273	4	1951	28	N Rock St - short intersection pipe connection at Church St		3	\$9,000
P-322	4	1955	749	N Wolf Creek - From Harshman to north of Karland Drive (connect to 6")		2	\$461,160
P-323	4	1955	540				
P-324	4	1955	603				
P-325	4	1955	344				
P-326	4	1955	326				
P-279	4	1956	139	N Wolf from Main to Harshman - Crosses Wolf Creek		4	\$104,250
P-207	4	1951	140	N Wolf Creek - Western to Main St		2	\$364,688
P-227	4	1956	264				
P-220	4	1951	158	S Wolf Creek - Westbrook to Western		2	
P-221	4	1951	310	Replace 4" with 10"			
P-222	4	1951	1,161				
P-250	4	1951	295	Oak St		2	\$70,020
P-251	4	1951	94				
P-235	4	1969	560	Private to H-239 South of McKinley	Yes	2	\$100,800
P-233	4	1951	315	W McKinley St - west of S Wolf Creek		3	\$113,940
P-234	4	1951	318				
P-433	4	1951	87	W McKinley St - east of S Wolf Creek		3	\$113,040
P-434	4	1951	541				
P-261	4	1959	27	Simmons Ave - north side of Westbrook east of S Clay St connecting to P-262		4	\$12,000
P-333	4	1987	565	Cusick Ave		5	\$101,700
P-352	4	1956	84	Salem St @ Columbia S of Baker (Does this exist)		5	
P-256	4	1951	63	@Old Water Works - south of Oak St near Sycamore		5	\$25,000
P-451	4	1951	762	Sycamore St - parallel pipe? Does this exist?		5	
P-452	4	1951	287				
Potential Replacement Total			25,346	Total included in Costs	21,704	Total Listed Above	\$4,562,280
Balance of 6" Pipe > 50-years			25,937	Total Future Replacement			\$4,668,660
8" Pipe > 50-years			3,819	Total Future Replacement			\$687,420
10" Pipe > 50-years			2,138	Total Future Replacement			\$481,050

\*Based on 2017 Construction. Does not include Project Costs, land costs, easements, financing, legal or administrative costs which could add 20% to 30% to the Construction Costs. Combining multiple projects could reduce construction costs 10 to 15%.

August 4, 2022

Ohio Public Works Commission

This letter is in reference to the proposed upgrades to the N. Wolf Creek St. water lines. Sections of the existing water main range in age between 62 and well over 100 years old. Replacement and upgrade of the aged water main in this area would provide quality improvements for domestic and commercial users. A large majority of the existing water main on N. Wolf Creek St. is unlined cast material. This water main continuously produces a rust that is carried through the domestic water. The negative impacts of the rust are felt by the local restaurants, retail businesses, beauty salon, laundromats, and apartment complexes. The areas connected to this water main require more frequent flushing in attempts to maintain water quality for the consumer. The main has had multiple breaks over the past several years, the most recent in 2022. Replacement of this section with cement lined ductile iron will improve water quality for domestic users and performance for commercial users in the area.

If you have any questions or need additional information upon reviewing this application, please feel free to contact me at (937) 833-2135 x 401.

The City of Brookville appreciates your attention to this project and would appreciate any financial assistance extended.

Respectfully submitted,



Christian J. Homan  
Service Superintendent  
choman@brookvilleohio.com

**RATES AND CHARGES**

**931.20 WATER RATES.**

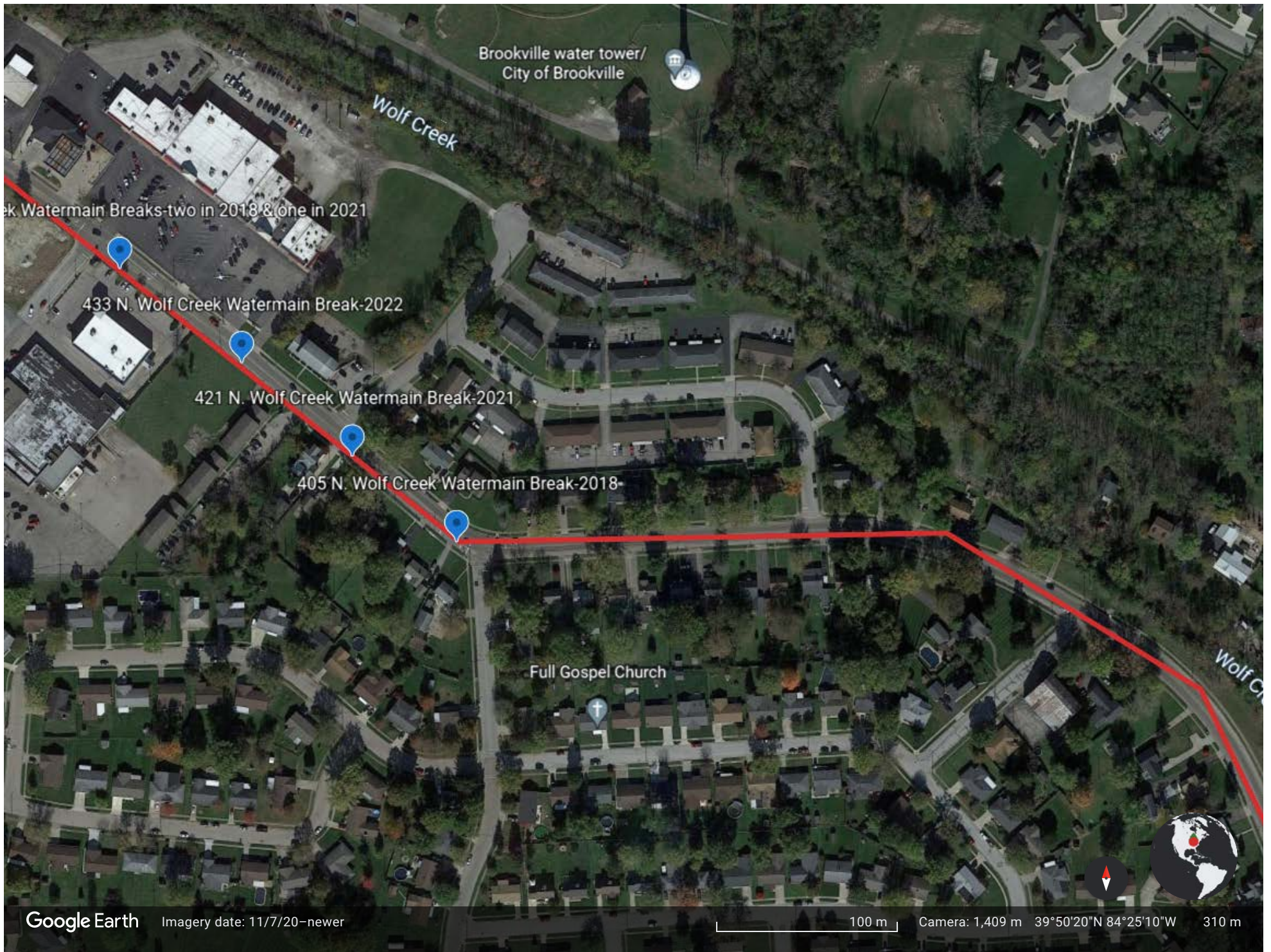
(a) There shall be a minimum charge for water, billed quarterly. The minimum charge is to cover investment, overhead expenses and the cost of being ready to serve with water. These minimum charges will be payable quarterly as due, at the following rates for the various sized meters.

<u>MINIMUM CHARGES</u> <u>PER QUARTER</u>	
5/8 inch meter	\$56.00
3/4 inch meter	\$68.25
1 inch meter	\$109.25
1 ½ inch meter	\$182.75
2 inch meter	\$305.50
3 inch meter	\$613.00
4 inch meter	\$923.75
6 inch meter	\$1,591.50
8 inch meter	\$2,184.25
10 inch meter	\$3,639.75
12 inch meter	\$5,022.25
The following shall be additional charges per thousand cubic feet per quarter for the:	
First 10,000 cubic feet	\$41.29
Next 90,000 cubic feet	\$39.05
Next 400,000 cubic feet	\$36.75
Next 500,000 cubic feet	\$30.10

These rates shall start and be in effect with the December 2021 billing for water consumed during the previous quarter of September 2021 through November 2021.  
(Ord. 2021-11. Passed 8-17-21.)

(b) There will be a penalty of ten percent (10%) of the total water bill added to the water charge if the bill is not paid within twenty-five days after the billing date on the water bill. If the water bill is not paid in full within forty-five days of the billing date on the water bill, the water service will be shut off. A shut-off notice will be mailed by regular mail to the property owner prior to the shut-off date. When it becomes necessary for the City to discontinue service to a customer for nonpayment of bills, service will be reinstated only after all bills for service then due have been paid, along with the turn-on charge. In the event that a consumer's water should be turned off due to nonpayment, there shall be a thirty-five dollar (\$35.00) charge prior to the water service being restored. (Ord. 2017-15. Passed 12-19-17.)





Map of Watermain Breaks on N. Wolf Creek Street

## 2022 Watermain Breaks

<u>Date</u>	<u>Address</u>	<u>Depth of Waterline</u>	<u>Size of Waterline</u>
1/9/2022	100 Madrid	5'	6"
1/19/2022	122 Wall	4'6"	4"
6/16/2022	130 Bayview	5'	6"
7/1/2022	433 N. Wolf Creek	5'	4"

## 2021 Watermain Breaks

<u>Date</u>	<u>Address</u>	<u>Depth of Waterline</u>	<u>Size of Waterline</u>
1/27/2021	528 Vine Street	4'6"	4"
2/2/2021	421 N. Wolf Creek Street	4'6"	4"
2/9/2021	437 N. Wolf Creek Street	5'	6"
2/10/2021	212 Crosswell	4'6"	6"
2/14/2021	85 Bayview	4'	6"
2/16/2021	115 Brookmoor	5'	6"
2/23/2021	170 Brookmoor	5'	6"
8/23/2021	125 E. Westbrook	5'	6"
8/26/2021	Wolf Creek @ W. Westbrook	5'	12"
9/28/2021	187 Doyle	6'	6"
9/29/2021	241 E. Westbrook	5'	6"

## 2018 Watermain Breaks

<u>Date</u>	<u>Address</u>	<u>Depth of Waterline</u>	<u>Size of Waterline</u>
1/4/2018	218 Doyle Ave. on Pryor Ct.	4'6"	6"
1/6/2018	405 N. Wolf Creek St. @ Brookside Dr.	5'	6"
1/9/2018	32 E. Westbrook Rd.	4'	4"
1/10/2018	333 Sycamore St.	4'6"	4"
1/11/2018	230 E. Westbrook Rd.	4'6"	4"
1/23/2018	437 N. Wolf Creek St.	4'6"	6"
2/2/2018	711 Albert Rd.	4'6"	6"
2/11/2018	15 Pryor Ct.	4'6"	6"
2/11/2018	650 Albert Rd.	4'6"	10"
2/12/2018	15 Pryor Ct.	4'6"	6"
3/24/2018	437 N. Wolf Creek St.	4'6"	6"
5/4/2018	402 Hay Ave.	4'6"	6"
11/21/2018	293 Foothill Dr.	4'6"	6"
12/9/2018	130 Bayview Ave.	6'4"	6"
12/14/2018	0 Cusick Ave.	4"	6"
12/17/2018	0 Oslo Ct.	5'9"	6"
12/21/2018	224 Walnut St.	4'6"	4"
12/24/2018	11 S. Orchard St.	4'	6"

WATER LINE REPLACEMENT PRIORITIES JULY 2015

<b>FIRE PROTECTION BENEFIT</b>	<b>WATER LINE QUALITY</b>	<b>STREET/SEWER QUALITY</b>	<b>TOTAL SCORE</b>	<b>STREET NAME</b>		<b>STREET 1</b>	<b>STREET 2</b>
1	1	1	1	200 block of Maple Street	Between	E. McKinley	Oak
1	1	1	1	300 block of Maple Street	Between	Oak	Gaines
1	1	1	1	400 block of Maple Street	Between	Gaines	Westbrook
1	1	1	1	10 & 100 block of Hay Avenue	Between	Wolf Creek	Maple
1	1	1	1	200 block of Hay Avenue	Between	Maple	Sycamore
1	1	1	1	500 block of Hay Avenue	Between	Joanna	Wall
1	1	1	1	600 block of Hay Avenue	Between	Wall	Albert
2	1	1	1.3333	300 block of N. Wolf Creek Street	Between	Brookside	Durwell
2	1	1	1.3333	200 block of N. Wolf Creek Street	Between	Brookside	Durwell
2	1	1	1.3333	100 block of S. Orchard Street	Between	Westbrook	Simmons
2	1	1	1.3333	110 block of N. Orchard Street	Between	Western	Mound
1	1	2	1.3333	300 block of Hay Avenue	Between	Sycamore	Cusick
1	1	2	1.3333	400 block of Hay Avenue	Between	Cusick	Joanna
2	1	1	1.3333	500 block of Main Street	Between	Jefferson	Salem
2	1	1	1.3333	500 block of Vine Street	Between	Jefferson	Wall
2	1	1	1.3333	600 block of Vine Street	Between	Wall	Salem
2	1	2	1.6667	400 block of N. Wolf Creek Street	Between	Karrland	Brookside
2	1	2	1.6667	100 block of N. Wolf Creek Street	Between	Durwell	Main
2	1	2	1.6667	10 block of N. Wolf Creek Street	Between	Main	Market
2	1	2	1.6667	10 block of S. Wolf Creek Street	Between	Market	Hay
3	1	1	1.6667	100 block of S. Clay Street	Between	Westbrook	Simmons
3	1	1	1.6667	10 block of N. Clay Street	Between	Western	Church
2	1	2	1.6667	10 block of W. McKinley Street	Between	Hill	Wolf Creek
1	1	3	1.6667	10 block of E. McKinley Street	Between	Wolf Creek	Maple
2	1	2	1.6667	10 block of Main Street	Between	Wolf Creek	Walnut