

**EASTGATE**  
**PROJECT PROPOSAL SUMMARY**  
*ARC PRE-APPLICATION*  
**FY23**

2-Page maximum length.

<b>Date Prepared:</b>	April 2022			
<b>1. Project Title:</b>	Beaver Avenue Waterline Replacement			
<b>2. Project Grantee:</b>	City of Niles, Ohio			
<b>3. Contact Person:</b> (include name, title, address, e-mail & phone)	Paul R. Kurtz, P.E. Thomas Fok & Associates, Inc. 278 Monroe St. NW Warren, Ohio 44483 (330) 394-7624 <a href="mailto:prkurtz@fokeng.com">prkurtz@fokeng.com</a>			
<b>4. County(ies) &amp; Designation:</b>	Trumbull – At Risk			
<b>5. Basic Agency:</b>				
<b>6a. GOA State Goal/Strategy:</b> (Copy/paste complete goal, objective, strategy)	<p><b>Goal 3:</b> Invest in critical infrastructure—especially broadband; transportation, including the Appalachian Development Highway System; and water/wastewater systems.</p> <p><b>Strategy 3.1:</b> Support and assist communities in rural Appalachian Ohio as they work to establish, maintain, and extend critical infrastructure systems to serve Ohio businesses and residents.</p>			
<b>6b. ARC Fed Goal/Strategy:</b> (Copy/paste complete goal, objective, strategy)	<p><b>Goal 3:</b> Ensure that the residents and businesses of Appalachia have access to reliable and affordable utilities and infrastructure in order to successfully live and work in the Region.</p> <p><b>Objective 1:</b> Ensure the availability of quality, affordable basic infrastructure to meet the needs of the residents and businesses of Appalachia.</p>			
<b>7. Purpose:</b>	This project will enhance public infrastructure with construction of 1,250 linear feet of water line replacement in the City of Niles. The project will enhance public safety by bringing the infrastructure up to code for fire protection, providing a more reliable water supply, and replacing unsafe lead services to homes served by the project.			
<b>8. Funding/Budget:</b>		Percentage		
Source	Amount	of Total	Program/Funding	Status of Funds
<b>ARC</b>	\$224,980	70%	ARC	This application
<b>Federal</b>				
<b>State</b>				
<b>Local</b>	\$96,420	30%	City of Niles	Committed
<b>Private</b>				
<b>Total</b>	\$321,400	100%		

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<p><b>9. Project Description:</b></p>	<p>The Beaver Avenue Waterline Replacement involves construction of approximately 1,250 linear feet of 6” watermain and appurtenances to replace an undersized 4” watermain serving 28 residences in the City of Niles. All services will be replaced from the new main to the right-of-way. The watermain will serve all of Beaver Avenue from Robbins Avenue (S.R. 169) to Pearl Street.</p> <p><b>The existing 4” watermain is too small to meet code for fire protection. According to Great Lakes – Upper Mississippi River Board (GLUMRB) the minimum diameter watermain for fire protection is 6”.</b> (See Code section 8.2.2 in Exhibit E.)</p> <p>Additionally, it is anticipated that many of the existing services are lead, posing a health hazard to the residents of Beaver Avenue. Where existing lead services are found, they will be replaced from the new 6” main to the right-of-way and a filter will be installed within the residence per EPA regulations.</p> <p>Project components include:</p> <ul style="list-style-type: none"> <li>• 6” PVC Pipe = 1,250 LF</li> <li>• Hydrant Assemblies = 3 EA</li> <li>• 6” Gate Valves = 3 EA</li> <li>• Service Branches = 28 EA</li> </ul> <p>The project will improve conditions by bringing the water line up to code for fire protection and improving service to 28 residential homes. The homes in this project are located in census tract 9327.02, Block Group 4 (76.42% LMI). The project area is typical of the census tract area will result in improvements 20 LMI households (source for LMI information: <a href="https://hud.maps.arcgis.com/apps/webappviewer/index.html?id=ffd0597e8af24f88b501b7e7f326bedd">https://hud.maps.arcgis.com/apps/webappviewer/index.html?id=ffd0597e8af24f88b501b7e7f326bedd</a>)</p> <p>The City of Niles plans to advertise for bids in December of 2023 and begin construction in February of 2024</p>		
<p><b>10. Strategic Rationale:</b></p>	<p>The existing 4” watermain has already exceeded its useful life and is need of replacement. Increasing the diameter to 6” will also result in a safer condition by providing minimum requirements for fire protection. The City of Niles recognizes the need to serve its residents with this project and is paying for 30% of the project costs with local funds.</p>		
<p><b>11. Collaborative Partners:</b></p>			
<p><b>12. Performance Measurement:</b>  <b>Output</b>   <b>Outcome:</b></p>	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;"> <p><b>Output</b></p> <ul style="list-style-type: none"> <li>• 1,250 LF water line improvements</li> <li>• 20 LMI served</li> <li>• 28 Households served</li> </ul> </td> <td style="width: 50%; border: none;"> <p><b>Outcome</b></p> <ul style="list-style-type: none"> <li>• 20 LMI improved</li> <li>• 28 Households improved</li> <li>• Improved health/safety to the region</li> </ul> </td> </tr> </table>	<p><b>Output</b></p> <ul style="list-style-type: none"> <li>• 1,250 LF water line improvements</li> <li>• 20 LMI served</li> <li>• 28 Households served</li> </ul>	<p><b>Outcome</b></p> <ul style="list-style-type: none"> <li>• 20 LMI improved</li> <li>• 28 Households improved</li> <li>• Improved health/safety to the region</li> </ul>
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<p><b>13. Leveraged Private Investment:</b></p>			

# ATTACHMENT A

## PROJECT COSTS

**Cost Estimate**  
(for Construction Projects)

ITEM	DESCRIPTION	EST		ENGINEER'S	ESTIMATE
		QUANT	UNIT	UNIT PRICE	TOTAL
1A	MOBILIZATION	LUMP	SUM	\$10,000.00	\$10,000.00
1B	LIGHTS, SIGNS, BARRICADES, AND TRAFFIC CONTROL	LUMP	SUM	\$5,000.00	\$5,000.00
2	REPAIRS AND RECONSTRUCTION OF STRUCTURE	LUMP	SUM	\$10,000.00	\$10,000.00
3A	8" TO 12" STORM SEWER REPLACEMENT	50	L.F.	\$40.00	\$2,000.00
3B	LESS THAN 8" STORM SEWER REPLACEMENT	200	L.F.	\$10.00	\$2,000.00
7	SPECIAL BACKFILL	65	C.Y.	\$50.00	\$3,250.00
8	CONTROL DENSITY BACKFILL	5	C.Y.	\$140.00	\$700.00
9A	6" PVC AWWA C900 WATERLINE	1250	L.F.	\$52.00	\$65,000.00
9B	3/4" SERVICE CONNECTION - ADJ.	14	EA.	\$1,000.00	\$14,000.00
9C	3/4" SERVICE CONNECTION - OPP.	14	EA.	\$2,000.00	\$28,000.00
9D	INSTALLATION OF RESIDENTIAL FILTER, AS DIR.	14	EA.	\$300.00	\$4,200.00
10A	HYDRANT ASSEMBLY	3	EA.	\$5,500.00	\$16,500.00
10B	6" GATE VALVE	1	EA.	\$1,250.00	\$1,250.00
10C	6"x6" HOT TAP W/6" GATE VALVE	1	EA.	\$5,000.00	\$5,000.00
10D	8"x6" HOT TAP W/6" GATE VALVE	1	EA.	\$5,500.00	\$5,500.00
10E	4"x4" HOT TAP W/4" GATE VALVE	1	EA.	\$4,500.00	\$4,500.00
12A	12" STORM PIPE	50	L.F.	\$40.00	\$2,000.00
12B	ODOT CB NO. 3	2	EA.	\$3,000.00	\$6,000.00
14A	SLAG DRIVE	3	C.Y.	\$60.00	\$180.00
14B	AGGREGATE BASE	20	C.Y.	\$60.00	\$1,200.00
14D	PRIME OR TACK COAT	10	GAL.	\$5.00	\$50.00
14E.1	ASPHALT CONCRETE (DRIVES)	1	C.Y.	\$500.00	\$500.00
14E.2	ASPHALT CONCRETE , SURFACE COURSE	3	C.Y.	\$400.00	\$1,200.00
14E.3	ASPHALT CONCRETE, BASE COURSE	5	C.Y.	\$400.00	\$2,000.00
14F.1	4" CONCRETE SIDEWALK	5470	S.F.	\$6.00	\$32,820.00
14F.2	6" CONCRETE SIDEWALK	480	S.F.	\$8.00	\$3,840.00
14F.3	CURB RAMP	9	EA.	\$600.00	\$5,400.00
14G	6" CONC. DRIVE REPLACEMENT	30	S.Y.	\$100.00	\$3,000.00
15	SEEDING AND MULCHING	LUMP	SUM	\$7,500.00	\$7,500.00
15C	LANDSCAPE RESTORATION	LUMP	SUM	\$5,000.00	\$5,000.00
16	DUST CONTROL	LUMP	SUM	\$500.00	\$500.00
17	CONSTRUCTION LAYOUT STAKES	LUMP	SUM	\$2,000.00	\$2,000.00
18	RIGID BASE REMOVAL	10	S.Y.	\$10.00	\$100.00
	COST TO OBTAIN A MAINTENANCE BOND	LUMP	SUM	\$4,010.00	\$4,010.00
=====					=====
	SUBTOTAL CONSTRUCTION COST				\$254,200.00
	CONTINGENCY (APPROX 5% OF SUBTOTAL)				\$12,800.00
=====					=====
	TOTAL CONSTRUCTION COST				\$267,000.00
	ENGINEERING, CA, & INSPECTION (20% OF CONSTRUCTION)				\$53,400.00
	OTHER COSTS (ADVERTISING)				\$1,000.00
=====					=====
	TOTAL PROJECT COST				\$321,400.00



*Paul R. Kurtz*

# **ATTACHMENT B**

**Project Support Letters**

**Job Creation/Retention Letters**



Biography of William McKinley  
25th President of the United States

Office of the Mayor  
City of Niles, Ohio



34 West State Street  
Niles, Ohio 44446

STEVEN MIENTKIEWICZ  
MAYOR

330-544-9000 EXT. 1101  
smientkiewicz@thecityofniles.com

April 20, 2022

*TO: Appalachian Regional Commission  
1666 Connecticut Ave. NW, Suite 700  
Washington, DC 20009*

*Re: Letter of Interest for Beaver Street Waterline ARC Grant*

The City of Niles intends to apply for grant funding, pertaining to the Beaver Street waterline replacement through the Appalachian Regional Commission. Trumbull County holds an "at risk" designation and this funding opportunity will allow for the City of Niles to invest in critical infrastructure and ensure that the city has adequate basic infrastructure to implement community and economic development objectives. Many Appalachian communities continue to lack this basic infrastructure, compromising their ability to pursue broad community economic development objectives. Investing in basic infrastructure that can help advance local community and economic objectives is an investment in the economic potential of the Region, as well as in the health of its residents.

The Beaver Street project will enhance public infrastructure with the construction of a 1,250 linear feet of water line replacement, 3 gate valves, 3 hydrants, and 28 service branches in the City of Niles. The project will enhance public safety by bringing the infrastructure up to code for fire protection and by providing a more reliable water supply and improving service to 28 residential homes. The watermain will serve all of Beaver Street from Robbins Avenue to Pearl Street. The existing 4" watermain has already exceeded its useful life and is in need of replacement. Increasing the diameter to 6", per the Great Lakes - Upper Mississippi River Board (GLUMRB) will also result in a safer condition by providing minimum requirements for fire protection. Additionally, it is anticipated that many of the existing services are lead, posing a health hazard to the residents of Beaver Avenue. Where existing lead services are found, they will be replaced from the new 6" main to the right-of-way and a filter will be installed within the residence per EPA regulations.

The facility will be owned and operated by the City of Niles. The city recognizes the need to serve its residents with this project and is paying for half of the project costs with local funds. The total project cost is \$321,400.00, with the city requesting \$224,980.00 in ARC funds and a matching commitment of \$96,420.00 in local funds. Pending ARC grant approval, The City of Niles anticipates advertising for bids in December of 2023 and completion of construction in June of 2024.

Thank you for your time and consideration, as I fully support this project.

Sincerely,

Steven Mientkiewicz  
MAYOR-The City of Niles

C.c. Niles City Council  
Kevin Robertson- Niles Grants & Infrastructure Coordinator  
Kathy Zeok- ARC Manager Eastgate Regional Council of Governments

1126 LONGWORTH BUILDING  
WASHINGTON, DC 20515  
202-225-5261  
202-225-3719 FAX



**TIM RYAN**  
CONGRESS OF THE UNITED STATES  
13TH DISTRICT, OHIO

COMMITTEE ON APPROPRIATIONS  
LEGISLATIVE BRANCH SUBCOMMITTEE  
CHAIRMAN

DEFENSE SUBCOMMITTEE  
VICE CHAIRMAN

ENERGY AND WATER DEVELOPMENT, AND  
RELATED AGENCIES SUBCOMMITTEE

April 20, 2022

Kathy Zook  
ARC Program Manager  
Eastgate Regional Council of Governments  
100 E Federal St Ste 1000  
Youngstown OH 44505-1809

**Re: City of Niles Beaver Street Waterline replacement project**

Dear Ms. Zook:

I am writing to express my strong support for the City of Niles' grant application for the Beaver Street water line replacement project for funding from the Appalachian Regional Commission. The total project cost is \$321,400; we are requesting \$224,980 in ARC funding, and the city is committing non-federal matching money in the amount of \$96,420. Funding will allow the city to make critical investments in their water infrastructure to address community and economic development objectives.

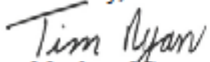
As you know, reliable water infrastructure is fundamental to our nation's economic health and competitiveness. Water is essential to every aspect of household and community life and the economy. Reliable water service is an enabling force for economic growth and prosperity. Unreliable water service and deteriorating infrastructure, on the other hand, will put the nation's communities and economy at risk. Meeting the investment need requires collaboration across public and private sectors, including strong partners at the local, state, and federal level, including ARC.

This particular waterline project will enhance the public infrastructure with construction of approximately 1,250 linear feet of 6" watermain and appurtenances to replace an undersized 4" watermain serving 28 residences in the City of Niles.

As a Member of Congress serving the City of Niles, I am proud to support their application for funding through the Appalachian Regional Commission. The Beaver Street waterline replacement project is a high priority for the city, and I am delighted to lend my support. The investment in critical infrastructure systems today will lead to resilient, efficient, and reliable water future and protect the public health of generations to come.

Thank you for your time and consideration.

Sincerely,

  
Member of Congress

# **ATTACHMENT C**

**MATCHING FUNDS COMMITMENT LETTER**

**AND**

**AUTHORIZING LEGISLATION FROM CITY OF NILES**




**CHIEF FINANCIAL OFFICER'S CERTIFICATION OF LOCAL FUNDS**

April 21, 2022

I, Giovanna Merlo of the City of Niles City hereby certify that The City of Niles has the amount of \$96,420 and that this amount will be used to pay the local share for the Beaver Ave. Waterline Replacement when it is required.

Name: Giovanna Merlo  
Title: City Auditor

Signature: 

### City of Niles, Ohio

SPONSORED BY: IMPROVEMENTS COMMITTEE  
AUTHORIZED BY: LASTIC

AMENDED  
DRAFT NO. 82-22

RESOLUTION NO. 16-22

A RESOLUTION AUTHORIZING THE MAYOR OR SERVICE DIRECTOR TO PREPARE AND SUBMIT AN APPLICATION AND ENTER INTO AGREEMENTS WITH THE APPALACHIAN REGIONAL COMMISSION TO BECOME ELIGIBLE FOR FUNDING ASSISTANCE FOR A WATER LINE REPLACEMENT, AND DECLARING AN EMERGENCY

WHEREAS, the State of Ohio through the Appalachian Regional Commission, administers financial assistance for the purpose of a water line replacement on Beaver Street through the Appalachian Regional Commission grant program with the estimated contract price being \$321,400.00, the local commitment being \$96,420.00 and the ARC commitment being \$224,980.00.

and

WHEREAS, the City of Niles desires financial assistance under the Appalachian Regional Commission Grant Program.


NOW, THEREFORE, BE IT RESOLVED BY THE COUNCIL OF THE CITY OF NILES, STATE OF OHIO:

SECTION 1. That the Council of the City of Niles approves filing this application for financial assistance.

SECTION 2. That the Mayor or Service Director is hereby authorized and directed to execute and file an application with the Appalachian Regional Commission and to provide all information and documentation required to become eligible for funding assistance.

SECTION 3. That the Council of the City of Niles does agree to obligate the funds required to satisfactorily complete the proposed project and become eligible for reimbursement under the terms of the Appalachian Regional Commission Grant Program with the contract price being \$321,400.00, the local commitment being \$96,420.00 and the ARC commitment being \$224,980.00.

SECTION 4. This Resolution is declared an emergency measure in the interest of the public health, safety, and welfare, and to allow for the requirements of the grant process to be completed as soon as possible. As such an emergency measure, this Resolution shall take effect upon passage by Council and approval by the Mayor.

  
PRESIDENT OF COUNCIL

PASSED: April 20, 2022

REQUIRED CERTIFICATE OF RECORDING OFFICER

I, the undersigned, hereby certify, that the foregoing is a true and correct copy of Resolution adopted by the City of Niles Council held on the 20<sup>th</sup> day in the month of April, 2022, and that I am duly authorized to execute this certificate.

Lori Shay  
Lori Shay





# **ATTACHMENT D**

## **MEMORANDIUM OF UNDERSTANDING**

## **PRE-APPLICATION AND FULL APPLICATION GRANT PROCESS MEMORANDUM OF UNDERSTANDING**

EACH YEAR THE APPALACHIAN REGIONAL COMMISSION (ARC) RECEIVES AN APPROPRIATION FROM CONGRESS. A FORMULA IS APPLIED TO THAT SUM TO ALLOCATE PROGRAM FUNDS AMONG THE 13 STATES. THE ARC PROGRAM FUNDS MAY ONLY BE USED FOR PROJECTS LOCATED WITHIN THE 420 COUNTIES DESIGNATED BY CONGRESS AS THE APPALACHIAN REGION. IN OHIO, 32 OF THE 88 COUNTIES ARE DESIGNATED AS APPALACHIA AND ELIGIBLE FOR FUNDING.

THE GOVERNOR'S OFFICE OF APPALACHIA (GOA) RECEIVES APPROXIMATELY \$4 MILLION ANNUALLY FROM ARC TO IMPLEMENT THE ARC PROGRAM. USING A "BOTTOM UP" APPROACH, GOA COORDINATES PROJECT DEVELOPMENT WITH THE FOUR LOCAL DEVELOPMENT DISTRICTS (LDD):

-  BUCKEYE HILLS REGIONAL COUNCIL OF GOVERNMENTS LOCATED IN MARIETTA
-  EASTGATE REGIONAL COUNCIL OF GOVERNMENTS LOCATED IN YOUNGSTOWN
-  OHIO MID-EASTERN OHIO GOVERNMENTS ASSOCIATION LOCATED IN CAMBRIDGE
-  OHIO VALLEY REGIONAL DEVELOPMENT COMMISSION LOCATED IN WAVERLY

A POTENTIAL APPLICANT MUST WORK WITH THEIR ASSIGNED LDD FOR GUIDANCE ON THE ELIGIBILITY FOR FUNDING AND ASSISTANCE IN PREPARING AN APPLICATION. THE GOVERNOR OF EACH STATE SELECTS PROJECTS TO BE SUBMITTED TO ARC FOR FUNDING.

PROGRAM GRANTS ARE AWARDED TO STATE/LOCAL AGENCIES, GOVERNMENTAL ENTITIES (E.G. ECONOMIC DEVELOPMENT AUTHORITIES), LOCAL GOVERNING BOARDS (E.G. COUNTY COMMISSIONERS) AND NON-PROFIT ORGANIZATIONS (E.G. SCHOOLS OR ORGANIZATIONS THAT BUILD LOW-COST HOUSING). PROGRAM GRANTS ARE NOT MADE TO INDIVIDUALS OR FOR-PROFIT ENTITIES.

APPLICATION PROCESS AND TIME-LINE FOR FY2023 IS AS FOLLOWS:

### **PRE-APPLICATION PROCESS**

#### **MARCH - AUGUST 2022**

1. EASTGATE LDD WORKS WITH THEIR LOCAL COMMUNITIES TO DEVELOP PROJECTS THAT WILL HAVE THE GREATEST IMPACT IN THE DISTRICT.
2. EASTGATE PRE-APPLICATION REQUIRED VIRTUAL WORKSHOP: Scheduled at 1:30pm on April 18, 2022
3. EASTGATE LDD PRE-APPLICATION DUE DATE BY 3PM ON MAY 16, 2022
4. EASTGATE LDD CORRESPONDS WITH COUNTY COMMISSIONERS FROM EACH OF THE THREE COUNTIES TO GAIN INPUT ON PRIORITY OF PROJECTS WITHIN THEIR COMMUNITY THAT MEETS ARC GOALS.
5. EASTGATE LDD COMPILES A LIST OF PRIORITY PROJECTS TO PRESENT TO THEIR TAC, CAB, AND GENERAL POLICY BOARD.
6. EASTGATE LDD SUBMITS PRIORITY PROJECT PACKAGE TO GOA.
7. LDD'S AND GOA MEET TO DEVELOP OHIO INVESTMENT PACKAGE (FINAL LIST OF PROJECTS COMPILED FROM 4 LDD PRIORITY PROJECTS SUBMITTED).
8. GOA SUBMITS INVESTMENT PACKAGE TO ARC.

### **FULL APPLICATION PROCESS**

#### **AUGUST 2022 – FEBRUARY 2023**

1. EASTGATE LDD HOLDS FULL APPLICATION WORKSHOP
2. APPLICANTS SUBMIT FULL APPLICATIONS TO LDD FOR REVIEW.
3. EASTGATE SUBMITS FULL APPLICATIONS TO GOA FOR REVIEW AND SUBMITTAL TO ARC.
4. ARC REVIEWS, APPROVES AND MAKES FUNDS AVAILABLE TO APPLICANTS.
5. PENDING APPROVAL APPLICANT RECEIVES ARC/GOA GRANT AWARD LETTER.

**PROGRAM PARAMETERS:**

1. ARC FUNDS ARE NOT GUARANTEED TO ANY GRANTEE UNTIL THE ARC FEDERAL CO-CHAIRMAN HAS APPROVED THE PROJECT IN WASHINGTON, DC.
2. ARC WILL NOT REIMBURSE EXPENDITURES OCCURRING BEFORE ARC APPROVAL, OR REIMBURSE ANY EXPENSES INCURRED FOLLOWING THE CONCLUSION OF THE GRANT PERIOD.
3. DEMOLITION AND/OR CONSTRUCTION CANNOT BE STARTED ON ANY PROJECT PRIOR TO ARC APPROVAL OF THE PROJECT. DO NOT PURCHASE EQUIPMENT, DEMOLISH, TEAR DOWN, BREAK GROUND, OR CONSTRUCT ANYTHING WITHOUT ARC AND BASIC AGENCY WRITTEN APPROVAL.
4. EQUIPMENT CANNOT BE PURCHASED PRIOR TO AN ARC AWARD. THERE IS NO REIMBURSEMENT PROCESS.
5. ARC FUNDS CANNOT BE SPENT OR COMMITTED PRIOR TO NOTIFICATION OF ARC APPROVAL. GOA WILL SEND COVER LETTER AND COPY OF ARC APPROVAL LETTER.
6. ARC NO LONGER GRANTS A WAIVER ON ANY PROJECT (THIS PROCESS HAS BEEN DISCONTINUED).
7. PROJECT LOCATED IN DISTRESSED COUNTIES MAY BE FUNDED UP TO 80% OF THE TOTAL PROJECT COST, 70% IN AT-RISK COUNTIES, 50% IN TRANSITIONAL COUNTIES AND 30% IN COMPETITIVE COUNTIES. ARC FUNDING WILL VARY FOR PROJECTS THAT INCLUDE ACTIVITIES AND/OR SERVICES INVOLVING MORE THAN ONE COUNTY.
8. GRANTEE MUST MEET ARC AND FEDERAL BASIC AGENCY GUIDELINES.
9. LOCAL ACCESS ROAD PROJECTS MAY BE FUNDED UP TO 100% UP TO \$500,000 THROUGH THE FEDERAL HIGHWAY ADMINISTRATION PROGRAM.
10. ARC IS A REIMBURSEMENT GRANT. THE APPLICANT MUST BE ABLE TO PAY THE BILLS INITIALLY, AND THEN REQUEST REIMBURSEMENT.
11. Once grant award letter is received and ARC funding is made available to the applicant, it is anticipated the ARC funds will be spent on your project within 12 months.
12. Applicants should also note, with the exception of Access Roads, the total amount of all federal funds committed to a project, including ARC, cannot exceed 80% of the total project cost.

**AFTER READING THESE GUIDELINES, PLEASE SIGN AND DATE.**

IF YOU HAVE ANY QUESTIONS, YOU MAY CONTACT YOUR LOCAL DEVELOPMENT DISTRICT OR THE GOVERNOR'S OFFICE OF APPALACHIA.

PLEASE SIGN AND RETURN ORIGINAL WITH YOUR PRE-APPLICATION.

I HAVE READ AND FULLY UNDERSTAND THIS DOCUMENT.

CITY OF NILES OHIO  
 \_\_\_\_\_  
 TYPE COMPANY/ORGANIZATION NAME

STEVE MIENTKIEWICZ MAYOR  
 \_\_\_\_\_  
 TYPE REQUIRED SIGNATURE/TITLE

  
 \_\_\_\_\_  
 REQUIRED SIGNATURE

4-20-22  
 \_\_\_\_\_  
 DATE

# **ATTACHMENT E**

## **GLUMRB Code for Fire Protection**

## Page 116 of GLUMRB

### DISTRIBUTION SYSTEM PIPING AND APPURTENANCES PART 8

#### 8.2 SYSTEM DESIGN

##### 8.2.1 Pressure

All water mains, including those not designed to provide fire protection, shall be sized after a hydraulic analysis based on flow demands and pressure requirements. The system shall be designed to maintain a minimum pressure of 20 psi (140 kPa) at ground level at all points in the distribution system under all conditions of flow. The normal working pressure in the distribution system shall be at least 35 psi (240 kPa) and should be approximately 80 to 80 psi (410 - 550 kPa) and not less than 35 psi (240 kPa).

##### 8.2.2 Diameter

The minimum size of water main which provides for fire protection and serving fire hydrants shall be six-inch diameter. Larger size mains will be required if necessary to allow the withdrawal of the required fire flow while maintaining the minimum residual pressure specified in Section 8.2.1. The minimum size of water main in the distribution system where fire protection is not to be provided should be a minimum of three (3) inch diameter. Any departure from minimum requirements shall be justified by hydraulic analysis and future water use, and can be considered only in special circumstances.

##### 8.2.3 Fire protection

When fire protection is to be provided, system design should be such that fire flows and facilities are in accordance with the requirements of the State Insurance Services Office.

##### 8.2.4 Dead ends

- a. Dead ends shall be minimized by making appropriate tie-ins whenever practical, in order to provide increased reliability of service and reduce head loss.
- b. Dead end mains shall be equipped with a means to provide adequate flushing. Flushing devices should be sized to provide flows which will give a velocity of at least 2.5 feet per second in the water main being flushed. They may be provided with a fire hydrant if flow and pressure are sufficient. No flushing device shall be directly connected to any sewer.

#### 8.3 VALVES

A sufficient number of valves shall be provided on water mains to minimize inconvenience and sanitary hazards during repairs. Valves should be located at not more than 500 foot intervals in commercial districts and at not more than one block or 800 foot intervals in other districts. Where systems serve widely scattered customers and where future development is not expected, the valve spacing should not exceed one mile.

#### 8.4 HYDRANTS

##### 8.4.1 Location and spacing

- a. Fire hydrants should be provided at each street intersection and at intermediate points between intersections as recommended by the State Insurance Services Office. Generally, fire hydrant spacing ranges from 350 to 600 feet depending on the area being served.



# ATTACHMENT F

## PROJECT TIMELINE (Start and end dates)

## Project Schedule

<b><u>Category</u></b>	<b><u>Start Date</u></b>	<b><u>End Date</u></b>
All Funding Secured	May 2022	July 2022
Environmental Review Completed	N/A	
Final Design Completed	July 2023	Sept., 2023
Permits Obtained	Sept. 2023	Nov. 2023
Advertise for Bids	Dec. 2023	Jan. 2024
Bid Opening	Jan. 2024	
Construction Start Date	Feb. 2024	
Final Inspection	May 2024	
Construction Completion Date	June 2024	