# **Environmental Assessment Worksheet**

Grantee	Village of Tuscarawas			
Grant Number	C-W-20-2NJ-1			
Activity Name	Water System Improvements			
Activity Location	Village of Tuscarawas			
a new 6-inch w existing water a building aro	ncludes three projects to provide improvements to the water system. Construction of water line, providing a loop within the water distribution system. Improvements to the r treatment plant, including the construction of new vertical pressure filters, including ound the pressure filters. The existing 100,000-gallon water reservoir will be replaced 0,000-gallon water storage tank.			
Determination	n:			
Finding of No Significant Impact (FONSI), whereby the Responsible Entity may proceed to Dissemination and publication of the FONSI, per regulations found at 24 CFR Section 58.43(a).				
Finding of Significant Impact, whereby the Responsible Entity must proceed to develop an Environmental Impact Statement (EIS) in compliance with 24 CFR Part 58, Subparts F or G.				
Preparer Name	e: Ryan Schuster, Project Engineer			
Signature	Date:			



# List of Attachments

☑ Location Map
Site Photographs
Copies of other Environmental Analyses (if applicable) List: USFWS and OHPO
Other Relevant Correspondence and Notifications (if applicable) List:
Statutory Checklist Supporting Documentation
Environmental Assessment Checklist Supporting Documentation
Combined Notice: Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI/RROF) Date:
Request for Release of Funds (RROF) Date: <b>3/6/2021</b>
Release of Funds (ROF) Date: <b>3/15/2021</b>
Additional Documentation Describe:



#### Statutory Checklist Instructions:

For each of the environmental laws and authorities listed below, determine the level of compliance required and provide a narrative explanation and list of supporting documentation. **The narrative must explain decision-making and compliance procedures**. Attach all supporting documentation to this worksheet.

## **Statutory Checklist**

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
Historic Preservation	No	Received letter from SHPO stating that there is no impact to historical structures or features.
Resources: State Historic Preservation Office HUD Historic Preservation		
Floodplain Management	No	The limits of the project are outside of the 100 year flood plain. Refer to attached FEMA flodplain map.
Resources: Floodplain Maps Floodplain Administrators HUD Floodplain Management		
Wetland Protection	No	There are no wetlands within the limits of construction.
Resources: NRCS Web Soil Survey National Wetlands Inventory Ohio EPA Division of Surface Water US Army Corps of Engineers Regulatory (Permits) HUD Wetlands Protection		
Coastal Zone Management	No	There are no coastal waters near the project limits.
Resources: <u>Ohio Office of Coastal Management</u>		

Statutory Checklist				
Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation		
Ohio Coastal Atlas Map Viewer HUD Coastal Zone Management				
Sole Source Aquifers	No	There are no sole source aquifers located in Tuscarawas County		
Resources: <u>Ohio EPA Sole Source Aquifers in Ohio</u> <u>HUD Sole Source Aquifers</u>				
Endangered Species	No	Received letter, by email response, from USFWS identifying that no impact to endangered species is anticipated due to this project.		
Resources: US Fish & Wildlife Service Section 7 information Endangered Species in Ohio Ohio Natural Heritage Database HUD Endangered Species				
Wild and Scenic Rivers	No	The are no rivers, creeks, tributaries or other bodies of water within the construction limits.		
Resources: <u>ODNR Scenic Rivers</u> <u>HUD Wild and Scenic Rivers</u>				
Air Quality	No	Based on Greenbook mapping, there are no non-attainment or maintenance status areas in Tuscarawas County, Ohio		
Resources: Ohio EPA Asbestos Program Ohio EPA Notification of Demolition and Renovation HUD Air Quality				
Farmland Protection	No	Existing land that is within the limits of construction is an existing Village park, within the road Right-of-Way, or property that is currently owned by		
Resources: NRCS Farmland Protection Policy Act HUD Farmlands Protection		the Village and is not accessible by large farm equipment on top of a hilltop.		

	Statu	tory Checklist
Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
Noise Abatement and Control	No	This project will only have temporary, short term affects on noise during construction times only.
Resources: <u>HUD Noise Abatement and Control</u> <u>HUD Noise Guidebook</u> <u>HUD Day/Night Noise Level Electronic Assessment Tool</u> <u>HUD Sound Transmission Classification Assessment Tool</u> <u>ODOT Traffic Count Data</u> <u>Ohio Airport Information</u> <u>Airport Master Records and Reports</u> <u>PUCO/ORDC Railroad Information System</u> <u>Federal Railroad Administration Query by Location tool</u>		
Airport Clear Zones and Accident Potential Zones	No	This project will not interfere with any airport clear zones or accident potential zones.
Resources: <u>Ohio Airport Information</u> <u>HUD Airport Hazards</u> <u>Airport Master Records and Reports</u>		
Explosive and Flammable Operations	No	This project is within acceptable separation distance from any explosive and/or flammable operations.
Resources: <u>HUD Explosive and Flammable Facilities</u> <u>US EPA NEPAssist</u> <u>US EPA Envirofacts</u> <u>HUD Choosing an Environmentally Safe Site</u> <u>Acceptable Separation Distance Calculator</u> <u>Acceptable Separation Distance Guidebook</u>		
Site Contamination	No	This project is located in a site free of contamination and will not contain any toxic checmicals or radioactive substances.
Resources: <u>HUD Site Contamination</u> <u>US EPA NEPAssist</u> <u>US EPA Envirofacts</u> <u>Ohio Tank Tracking &amp; Environmental Regulations</u> <u>HUD Choosing an Environmentally Safe Site</u>		

	Statu	tory Checklist
Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
Environmental Justice	No	This project improves the quality of water for all users, with no one area benefiting over another.
Resources: HUD Environmental Justice US EPA Environmental Justice US EPA EJSCREEN		

#### **Environmental Assessment Checklist Instructions:**

Evaluate the significance of the effects of the proposed activity on the character, features, and resources of the project area. Provide a narrative explanation and list of supporting documentation. **The narrative must explain decision-making and compliance procedures**. Attach all supporting documentation to this worksheet. For technical assistance, see HUD's <u>Environmental Assessment Factors Guidance</u>.

## **Environmental Assessment Checklist**

Land Development			
Impact Category	Impact Code	Explanation and List of Source Documentation	
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	No Impact Anticipated	This project does not impact zoning. Project areas are currently owned by the Village and are located in existing lawn areas. No change in zoning required.	
Soil Suitability / Slope / Erosion / Drainage / Storm Water Runoff	No Impact Anticipated	The is no impact to soil stability with BMP's being properly administered during construction.	
Hazards and Nuisances Including Site Safety and Noise	No Impact Anticipated	Contractor shall adhere to OSHA safety regulations during construction. Noise will be restricted to construction activities, with no antipated noise or nuisances after the completion of the construction.	
Energy Consumption	No Impact Anticipated	The proposed equipment has low energy requirements and is not anticipated to have an impact on energy consumption.	

## Environmental Assessment Checklist

		Socioeconomic
Impact Category	Impact Code	Explanation and List of Source Documentation
Employment and Income Patterns	No Impact Anticipated	There will be additional employment during construction to build the project. There will be no long term impact to employment to operate the new filtering process.
Demographic Character Changes, Displacement	No Impact Anticipated	This project does not include any changes or modifications to existing residential housing.

Community Facilities and Services			
Impact Category	Impact Code	Explanation and List of Source Documentation	
Educational and Cultural Facilities	Potentially Beneficial	This project includes the construction of a new filtration system that will provide a cleaner water supply to all residents and facility consumers.	
Commercial Facilities	Potentially Beneficial	This project includes the construction of a new filtration system that will provide a cleaner water supply to all residents and facility consumers.	
Health Care and Social Services	Potentially Beneficial	This project includes the construction of a new filtration system that will provide a cleaner water supply to all residents and facility consumers.	
Solid Waste Disposal / Recycling	No Impact Anticipated	This project does not produce solid waste after the completion of construction. There is no recycling as part of this project.	
Waste Water / Sanitary Sewers	No Impact Anticipated	The waste from the filters will be discharged to the existing sanitary sewer where it will be treated at the existing wastewater treatment plant. The flow is minor and will have no impact to the exiting wastewater treatment plant.	
Water Supply	Potentially Beneficial	This project includes the construction of a new filtration system that will provide a cleaner water supply to all residents and facility consumers.	

Community Facilities and Services			
Impact Category	Impact Code	Explanation and List of Source Documentation	
Public Safety – Police, Fire and Emergency Medical	Potentially Beneficial	With the replacement of the water reservoir with a new water storage tank that will double the capcaity of water stroage, this will increase the capcity in the water distribution system and decrease the impact to the water distribution system during fire events.	
Parks, Open Space and Recreation	No Impact Anticipated	The construction the new addition will be constructed next to an existing Village park, but will not impact the parks, open space, or recreational areas.	
Transportation and Accessibility	No Impact Anticipated	There are no impacts to transportation or accessibility of Village facilities or other facilities within the Vailage due to this project.	

		Natural Features
Impact Category	Impact Code	Explanation and List of Source Documentation
Unique Natural Features, Water Resources	No Impact Anticipated	There are no unique natural features or water resources that are within the limits of construction.
Vegetation and Wildlife	No Impact Anticipated	There will be no impacts to vegatation and wildlife for the construction of the water treatment plant improvements and water line. Those projects consist of work within lawn areas and the Right-of-Way. The water storage tank will be constructed within an open area on a hilltop. It is anticipated that minor tree removal will be required for the construction of the water storage tank. Tree removal will be limited between October 1 and March 31.
Other Factors	No Impact Anticipated	No additional factors to nature have been identified.



# 24 CFR Section 58.6 Requirements

Airport Runway Clear Zones and Clear Zones Notification [24 C.F.R. Part 51.303(a)(3)]
Does the project involve the sale or acquisition of property located within a Civil Airport Runway Clear Zone or a Military Airfield Clear Zone?
No. Attach Source Document: (Project complies with 24 CFR 51.303(a)(3).)
Yes. Notice must be provided to buyer. The notice must advise the buyer that the property is in a Runway Clear Zone or Clear Zone, what the implications of such a location are, and that there is a possibility that the property may, at a later date, be acquired by the airport operator. The buyer must sign a statement acknowledging receipt of this information. (for a sample notice, see the <u>HUD Exchange</u> ) (attach a copy of the signed notice)
Coastal Barrier Resources Act [Coastal Barrier Improvement Act of 1990 (16 U.S.C. 3501]
Is the project located in a <u>coastal barrier resource area</u> ?
No. Cite or attach Source Document. (Proceed with project.)
Yes. Federal assistance may not be used in such an area.
Flood Disaster Protection Act* [Flood Disaster Protection Act of 1973, as amended (42 U.S.C. 4001-4128)]
Does the project involve acquisition, construction or rehabilitation of structures located in a FEMA-identified Special Flood Hazard Area?
No. Attach copy of Flood Insurance Rate Map (FIRM)
Yes. Attach copy of <u>Flood Insurance Rate Map</u> (FIRM)
Is the community participating in the National Insurance Program (or has less than one year passed since FEMA notification of Special Flood Hazards)?
Yes. Flood Insurance under the National Flood Insurance Program must be obtained. If HUD assistance is provided as a grant, insurance must be maintained for the economic life of the project and in the amount of the total project cost (or up to the maximum allowable coverage, whichever is less). If HUD assistance is provided as a loan, insurance must be maintained for the term of the loan and in the amount of the loan (or up to the maximum allowable coverage, whichever is less). (Attach a copy of the flood insurance policy declaration)
No. Federal assistance may not be used in the Special Flood Hazard Area.
*Per 24 CFR 58.6(a)(3), this requirement does not apply to State-administered CDBG, HOME, and ESG programs.



## **Statement of Process and Status of Environmental Analysis**

#### Instructions:

Provide a brief description of the administrative procedures associated with the construction and presentation of the environmental review record (ERR). List the Responsible Entity, Certifying Officer, the physical location of the ERR, the dates and comment periods associated with any public notices, and contact information for the submission of comments regarding the ERR.

The Thrasher Group, with help from the Village, completed the Environmental Review (ER) for the CDBG Residential Public Infrastructure Grant # C-W-20-2NJ-1). Erin Wright, Grant Writer will be the primary person to complete and administration service as noted in our engineering agreement. Ryan Schuster, PE, will be the Project Manager and will see the engineering for the project through completion.

In addition, Mayor Dana Moore will be the certifying officer. The Village address is: 522 East Cherry Street, Tuscarawas, Ohio 44682. This location will be the location where the final Environmental Review will be kept for review and comments.

The public notice for the ER compliance were published on February 19, 2021.

The public notices for the CDBG Residential Public Infrastructure Grant were held: June 11, 2020 and June 25, 2020. No comments were given at these public hearings.



## **Description of the Site and Environmental Context**

#### Instructions:

Determine existing conditions and describe the character, features, and resources of the project area and its surroundings. Identify the trends that are likely to continue in the absence of the project.

There are three existing sites included is this project. The construction of the proposed water line will be constructed within the Right-of-Way. The Right-of Way includes residential lawns and asphalt pavement within the road. The water line also is constructed within a gravel drive. There will be no changes to the site character or features. The proposed water storage tank will be constructed on top of a hill, which is surrounded by trees. The existing water reservoir will be demolished with the completion of the water storage tank. Minor grading will be provide around the proposed water tank. Some trees will be removed for the construction of the proposed water tank. The water treatment plant is located in a lawn area and next to a Village park with baseball fields. The proposed addition will match the architecture of the existing water treatment plant. The proposed addition will not change the character or features of the existing site.



## **Analysis of Alternatives**

Instructions:

Examine alternatives to the project, including the alternative of no action.

The current method of treating the water is sequestration. Currently, this method is insufficient, since the raw water levels are around the Secondary Maximum Containment Limits (SMCL) at the Point of Entry (POE) in the system. Using a sequestering agent is not an acceptable means of treatment. The water quality can be enhanced further by using an active treatment process such as filtration. Commonly, iron and manganese are removed by filtration after oxidation (with aeration, potassium permanganate, chlorine dioxide, etc.). The water treatment alternatives developed for this water system to remove iron and manganese are described below:

#### Aeration

Iron and manganese can be oxidized by atmospheric oxygen. Aeration units operate by cascading, bubbling, or passing large amounts of air through the raw water and then venting the air to the outside. This air causes the dissolved gasses or volatile compounds to be released from the water. Aeration provides the dissolved oxygen required to convert soluble iron (ferrous) and soluble manganese (manganous) to insoluble oxidized iron (ferric) and oxidized manganese (manganic). In order to oxidize 1 ppm of iron, 0.14 ppm of dissolved oxygen is required. Also, 0.27 ppm of dissolved oxygen is required to oxidize 1 ppm of manganese.

Aeration is included as a possible option because it does not add chemicals to the water. Typically, capital cost (purchase and installation) of aeration units are high compared to other options. However, maintenance costs associated with aeration unit are relatively low.

Aeration units require a filtration process following the aeration process for the removal of the oxidized forms of iron and manganese. The filter unit must be regularly backwashed. The aeration process should follow pre-chlorination to keep bacteria from colonizing in the aeration units.

#### **Pressure Filters**

Pressure filters are also referred to as oxidizing filters. The intent of a pressure filter is to oxidize and filter iron and manganese in one treatment unit. The filter is typically filled with manganese-treated greensand; other materials have been used instead of greensand, such as Anthra/sand and Manganese Oxide Filters. As part of the pressure filter system, a backwash system will be required. The water from the backwash system will need to be collected in a holding tank and discharged to the existing sanitary sewer system. A manhole downstream of the existing sanitary pump station was selected to discharge the backwash water flow to, on the north end of the Park Avenue, to minimize the impact to the sanitary pump station and sanitary sewer. Discharging the backwash water to the existing sanitary can be accomplished by a pump station with a 3" force main.

Addition of Chlorine Dioxide or Potassium Permanganate

Typically, as the concentration of iron and manganese increase the most common treatment process used involves oxidation followed by filtration. During this treatment process, a chemical (chlorine dioxide, chlorine gas, or potassium permanganate) is added to convert soluble iron and manganese into an insoluble, oxidized form that can be filtered from the water.

If using potassium permanganate to oxidize iron and manganese, the dosing is a critical process. The dose must be great enough to oxidize all of the iron and manganese, but not too great because it can produce a pink color in the water in the distribution system. Potassium permanganate is typically more effective at oxidizing manganese than aeration or chlorination.

This treatment approach involves the addition of chemical feed pumps, chemical storage area with secondary containment, and mixing tank or coil of pipe to provide adequate contact time. Similar to aeration, filtration is required after the chemical is oxidized. Frequently, this type of water treatment also includes carbon filtration to prevent taste or color issues.

Many water operators have indicated that this type of treatment system requires significant maintenance. The level in the solution tanks must be regularly refilled/ maintained; the mechanical filters must be backwashed to remove the iron and manganese particles. If carbon filtration is used, the carbon must be replaced or regenerated as it is exhausted.

#### Membrane Filtration

Membrane treatment such as reverse osmosis or nano-filtration has been effectively used to remove iron and manganese from water. However, the raw water must only contain soluble iron and manganese because oxidized forms of iron and manganese can foul membranes. Due to the significant capital costs associated with membrane filtration, it is typically only used for iron and manganese removal when additional removal of TDS is also required. The very high capital cost and potential for fouling the membrane indicates that this option is not feasible for this application.



## **Analysis of Impacts and Mitigation Actions**

Instructions:

Summarize and evaluate all potential environmental impacts, whether beneficial or adverse, and the conditions that would change as a result of the project. Describe measures to eliminate, minimize, or mitigate adverse environmental impacts.

Environmental impacts are minimal due to local topography at each of the sites. Topography is generally flat with minimal slopes. Erosion and sediment control shall be mitigated by use of silt fence to prevent sediment transport. No other impacts have been identified.



## **Monitoring and Enforcement Procedures**

Instructions:

Describe any post-review monitoring or enforcement procedures associated with environmental mitigation actions.

There are no post-review monitoring or enforcements procedues due to the fact that this project is in compliance with all environmental mitigation actions.



## List of Sources, Agencies, and Persons Consulted

State Historic Preservation Office Resource Protection & Review Department 800 East 17th Avenue Columbus, OH 43211-2474

U.S. Fish and Wildlife Service Dan Everson, Field Office Supervisor 4625 Morse Road, Suite 104 Columbus, Ohio 43230

Columbus, Ohio 43230		



# List of Site Visits and Important Meetings

Date	Participants	Description
10/31/2019	Ryan Schuster	Initial site visit
1/7/2020	Ryan Schuster	Site visit
2/10/2020	Ryan Schuster	Park Drive site visit



# Participants in the Review

Name	Title	Organization
Scott Wangler	Project Manager	The Thrasher Group
Ryan Schuster	Project Engineer	The Thrasher Group
Jonathan Carpenter	Project Principle	The Thrasher Group
Erin Wright	Grant Writer	The Thrasher Group
DJ Meek	Service Manager	Village of Tuscarawas
Nathan Young	Project Reviews Manager	SHPO
Patrice Ashfield	Field Office Supervisor	USFWS
Sarah Wallace	<b>Environmental Engineer</b>	Ohio EPA
Brandon Atwood	<b>Environmental Specialist 2</b>	Ohio EPA



# OHIO HISTORIC PRESERVATION OFFICE: RESOURCE PROTECTION AND REVIEW

# Section 106 Review - Project Summary Form

For projects requiring a license from the Federal Communications Commission, please use FCC Forms 620 or 621. <u>DO NOT USE THIS FORM</u>.

## SECTION 1: GENERAL PROJECT INFORMATION

All contact information provided must include the name, address and phone number of the person listed. Email addresses should also be included, if available. Please refer to the Instructions or contact an OHPO reviewer (mailto:Section106@ohiohistory.org) if you need help completing this Form. Unless otherwise requested, we will contact the person submitting this Form with questions or comments about this project.

Date:	11/2/2020			
Name/A	ffiliation of pe	erson submitting form:	Erin Wright, The Thrasher Group	
Mailing /	Address:	dress: 400 3 <sup>rd</sup> Street SE, Suite 309, Canton, Ohio 44702		
Phone/Fax/Email: 330-451-2042/330-451-2043/erwright@thethrashergroup.com				

## A. Project Info:

 This Form provides information about: New Project Submittal: Water System Improvements YES NO

Additional information relating to previously submitted project: YES NO

OHPO/RPR Serial Number from previous submission:

2. Project Name (if applicable): Water System Improvements

3. Internal tracking or reference number used by Federal Agency, consultant, and/or applicant to identify this project (if applicable): Not applicable

- B. Project Address or vicinity: 522 East Cherry Street
- C. City/Township: Tuscarawas/Warwick
- D. County: Tuscarawas
- E. Federal Agency and Agency Contact. If you do not know the federal agency involved in your project, please contact the party asking you to apply for Section 106 Review, not OHPO, for this information. HUD Entitlement Communities acting under delegated environmental review authority should list their own contact information.
   CDBG – ODSA (Ohio Development Services Agency) - Cecilia Castillo <u>Cecilia.Castillo@development.ohio.gov</u>

EPA – WSRLA Megan Osika - Megan.Osika@epa.ohio.gov

 F. Type of Federal Assistance. List all known federal sources of federal funding, approvals, and permits to avoid repeated reviews.
 CDBG – ODSA (Ohio Development Services Agency) - Cecilia Castillo Cecilia.Castillo@development.ohio.gov

EPA – WSRLA Megan Osika - Megan.Osika@epa.ohio.gov

- G. State Agency and Contact Person (if applicable): Not Applicable
- H. Type of State Assistance: Not Applicable
- I. Is this project being submitted at the direction of a state agency **solely** under Ohio Revised Code 149.53 or at the direction of a State Agency? *Answering yes to this question means that you are sure that <u>no</u> federal funding, permits or approvals will be used for any part of your project, and that you are seeking comments only under ORC 149.53.*

YES NO

J. Public Involvement- Describe how the public has been/will be informed about this project and its potential to affect historic properties. Please summarize how they will have an opportunity to provide comments about any effects to historic properties. (This step is required for all projects under 36 CFR § 800.2):

Per CDBG guidance, the Village has held two public meetings to discuss the project. No comments from the public were given.

K. Please list other consulting parties that you have contacted/will contact about this project, such as Indian Tribes, Certified Local Governments, local officials, property owners, or preservation groups. (See 36 CFR § 800.2 for more information about involving other consulting parties). Please summarize how they will have an opportunity to provide comments:

The Village officials have discussed this project at open council meetings.

Therefore, the Village council members have been informed of all steps of the project.

## SECTION 2: PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECTS (APE)

Provide a description of your project, its site, and geographical information. You will also describe your project's Area of Potential Effects (APE). Please refer to the Instructions or contact an OHPO reviewer if you need help with developing the APE or completing this form.

For challenging projects, provide as much information as possible in all sections, and then check the box in Section 5.A. to ask OHPO to offer preliminary comments or make recommendations about how to proceed with your project consultation. This is recommended if your project involves effects to significant historic properties or if there may be challenging procedural issues related to your project. Please note that providing information to complete all Sections will still be required and that asking OHPO for preliminary comments may tend to delay completion of the review process for some projects.

- A. Does this project involve any Ground-Disturbing activity: YES NO (If Yes, you must complete all of Section 2.A. If No, proceed directly to Section 2. B.)
  - 1. General description of width, length and depth of proposed ground disturbing activity:

This project includes the construction of three projects and the width, length, and depth of excavation varies depending on the site. The water line construction consist of the construction of new water line that will have an excavated trench that is 4 feet wide, 968 feet long, and approximately 5 feet in depth. The construction of the new water storage tank includes disturbing 57 feet in width, 104 feet in length, and a varying depth of excavation. Depth of excavation could be as deep as 6 feet at the water storage tank foundations. The water treatment plant work varies in width and depth. The water treatment plant includes three projects that include the construction of a new building that will house the proposed vertical pressure filters, chlorine contact tank, and the backwash water force main. The trench will be 3 feet in width, 725 feet in length, and less then 5 feet in depth. The chlorine contact tank includes the construction of a new 24-inch water line that has a trench width of 4 feet, 80 feet in length, and 7 feet in depth. The construction of the building addition requires an excavation area of 28 feet in width, 53 feet in length, and a maximum depth of excavation of 10 feet for the excavation of the backwash tank.

2. Narrative description of previous land use and past ground disturbances, if known:

All areas within the limits of work include lawn areas.

- 3. Narrative description of current land use and conditions: This project includes three projects to provide improvements to the water system. Construction of a new 6-inch water line, providing a loop within the water distribution system. Improvements to the existing water treatment plant, including the construction of new vertical pressure filters, including a building around the pressure filters. The existing 100,000-gallon water reservoir will be replaced with a new 200,000-gallon water storage tank.
- 4. Does the landowner know of any archaeological resources found on the property? YES NO If yes, please describe:
- B. Submit the exact project site location on a USGS 7.5-minute topographic quadrangle map for all projects. Map sections, photocopies of map sections, and online versions of USGS maps are acceptable as long as the location is clearly marked. Show the project's Area of Potential Effects (APE). It should be clearly distinguished from other features shown on the map:
  - 1. USGS Quad Map Name: **New Philadelphia Quadrangle**
  - 2. Township/City/Village Name: Village of Tuscarawas

C. Provide a street-level map indicating the location of the project site; road names must be identified and legible. Your map must show the exact location of the boundaries for the project site. Show the project's Area of Potential Effects (APE). It should be clearly distinguished from other features shown on the map:

## Refer to Sheet G2 of the construction drawings.

- D. Provide a verbal description of the APE, including a discussion of how the APE will include areas with the potential for direct and indirect effects from the project. Explain the steps taken to identify the project's APE, and your justification for the specific boundaries chosen:
- E. Provide a detailed description of the project. This is a critical part of your submission. Your description should be prepared for a cold reader who may not be an expert in this type of project. The information provided must help support your analysis of effects to historic properties, not other types of project impacts. Do not simply include copies of environmental documents or other types of specialized project reports. If there are multiple project alternatives, you should include information about all alternatives that are still under active consideration:

This project includes three projects to provide improvements to the water system. Construction of a new 6-inch water line, providing a loop within the water distribution system. Improvements to the existing water treatment plant, including the construction of new vertical pressure filters, including a building around the pressure filters. The existing 100,000-gallon water reservoir will be replaced with a new 200,000-gallon water storage tank.

## SECTION 3: IDENTIFICATION OF HISTORIC PROPERTIES

Describe whether there are historic properties located within your project APE. To make that determination, use information generated from your own Background Research and Field Survey. Then choose one of the following options to report your findings. Please refer to the Instructions and/or contact an OHPO reviewer if you are unsure about how to identify historic properties for your project.

If you read the Instructions and you're still confused as to which reporting option best fits your project, or you are not sure if your project needs a survey, you may choose to skip this section, but provide as much supporting documentation as possible in all other Sections, then check the box in Section 5.A. to request preliminary comments from OHPO. After reviewing the information provided, OHPO will then offer comments as to which reporting option is best suited to document historic properties for your project. Please note that providing information to complete this Section will still be required and that asking OHPO for preliminary comments may tend to delay completion of the review process for some projects.

### **Recording the Results of Background Research and Field Survey:**

A. Summary of discussions and/or consultation with OHPO about this project that demonstrates how the Agency Official and OHPO have agreed that no Field Survey was necessary for this project (typically due to extreme ground disturbance or other special circumstances). Please <u>attach copies</u> of emails/correspondence that document this agreement. You must explain how the project's potential to affect both archaeological and historic resources were considered. This request is our first request

- B. A table that includes the minimum information listed in the OHPO Section 106 Documentation Table (which is generally equivalent to the information found on an inventory form). This information must be printed and mailed with the Project Summary Form. To provide sufficient information to complete this Section, you must also include summary observations from your field survey, background research and eligibility determinations for each property that was evaluated in the project APE.
- C. OHI (Ohio Historic Inventory) or OAI (Ohio Archaeological Inventory) forms- New or updated inventory forms may be prepared using the OHI pdf form with data population capabilities, the Internet IForm, or typed on archival quality inventory forms. To provide sufficient information to complete this Section, you must include summary observations from your field survey and background research. You must also include eligibility determinations for each property that was evaluated in the project APE
- D. A historic or archaeological survey report prepared by a qualified consultant that meets professional standards. The survey report should meet the Secretary of the Interior's Standards and Guidelines for Identification and OHPO Archaeological Guidelines. You may also include new inventory forms with your survey, or update previous inventory forms. To complete this section, your survey report must include summary observations from your field survey, background research and eligibility determinations for each property that was evaluated within the APE.
- E. Project Findings. Based on the conclusions you reached in completing Section 3, please choose one finding for your project. There are (mark one): Historic Properties Present in the APE: No Historic Properties Present in the APE: This is previously disturbed ground.

## SECTION 4: SUPPORTING DOCUMENTATION

This information must be provided for all projects.

- A. Photographs must be keyed to a street-level map, and should be included as attachments to this application. Please label all forms, tables and CDs with the date of your submission and project name, as identified in Section 1. You must present enough documentation to clearly show existing conditions at your project site and convey details about the buildings, structures or sites that are described in your submission. Faxed or photocopied photographs are not acceptable. See Instructions for more info about photo submissions or 36 CFR § 800.11 for federal documentation standards.
  - 1. Provide photos of the entire project site and take photos to/from historic properties from/towards your project site to support your determination of effect in Section 5.
  - 2. Provide current photos of all buildings/structures/sites described.
- B. Project plan, specifications, site drawings and any other media presentation that conveys detailed information about your project and its potential to affect historic properties.
- C. Copies or summaries of any comments provided by consulting parties or the public.

## SECTION 5: DETERMINATION OF EFFECT

A. **Request Preliminary Comments.** For challenging projects, provide as much information as possible in previous sections and ask OHPO to offer preliminary comments or make recommendations about how to proceed with your project

consultation. This is recommended if your project involves effects to significant historic properties, if the public has concerns about your project's potential to affect historic properties, or if there may be challenging procedural issues related to your project. Please be aware that providing information in all Sections will still be required and that asking OHPO for preliminary comments may tend to delay completion of the review process for some projects.

- 1. We request preliminary comments from OHPO about this project: <u>YES</u> NO
- 2. Please specify as clearly as possible the particular issues that you would like OHPO to examine for your project (for example- help with developing an APE, addressing the concerns of consulting parties, survey methodology, etc.): Determination of exempt clearance for construction
- B. **Determination of Effect.** If you believe that you have gathered enough information to conclude the Section 106 process, you may be ready to make a determination of effect and ask OHPO for concurrence, while considering public comments. Please select and mark one of the following determinations, then explain the basis for your decision on an attached sheet of paper:
  - **No historic properties will be affected** based on 36 CFR § 800.4(d) (1). Please explain how you made this determination:
  - **No Adverse Effect** [36 CFR § 800.5(b)] on historic properties. This finding cannot be used if there are no historic properties present in your project APE. Please explain why the Criteria of Adverse Effect, [36 CFR Part 800.5(a) (1)], were found not to be applicable for your project:
  - Adverse Effect [36 CFR § 800.5(d) (2)] on historic properties. Please explain why the criteria of adverse effect, [36 CFR Part 800.5(a) (1)], were found to be applicable to your project. You may also include an explanation of how these adverse effects might be avoided, reduced or mitigated:

Please print and mail completed form and supporting documentation to:


State Historic Preservation Office Resource Protection and Review Department 800 E. 17<sup>th</sup> Avenue Columbus, OH 43211-2474



U.S. DEPARTMENT OF THE INTERIOR U.S. GEOLOGICAL SURVEY



# NEW PHILADELPHIA QUADRANGLE OHIO - TUSCARAWAS COUNTY 7.5-MINUTE SERIES





In reply refer to 2020-TUS-49966

November 16, 2020

Erin Wright, The Thrasher Group 400 3<sup>rd</sup> Street SE, Suite 309 Canton, Ohio 44702

Dear Ms. Wright:

Re: Water System Improvements, Warwick Township, Tuscarawas County, Ohio

This is in response to your correspondence, received on November 3, 2020, regarding this project. The undertaking is defined as three small areas of water system improvements in the Village of Tuscarawas, Tuscarawas County, Ohio. My comments are made pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, and the associated regulations at 36 CFR Part 800.

Based on the information submitted, it is my opinion that the proposed undertaking will not affect properties listed in or eligible for listing in the National Register of Historic Places. No further coordination is required unless the project changes or archaeological remains are discovered during the course of the project. In such a situation, this office should be contacted as per 36 CFR 800.13.

Please be advised that this is a Section 106 decision. This review decision may not extend to other SHPO programs. If you have any questions, please contact me at (614) 298-2000, or by email at nyoung@ohiohistory.org.

Sincerely,

lathan of young

Nathan J. Young, Project Reviews Manager Resource Protection and Review



ARCHITECTURE ENGINEERING FIELD SERVICES

November 2, 2020

State Historic Preservation Office Resource Protection & Review Department 800 East 17<sup>th</sup> Avenue Columbus, OH 43211-2474

#### Re: Historic Preservation Review/Coordination

To Whom It May Concern,

The Village of Tuscarawas has one (1) PY-2020 Residential Public Infrastructure Grant (Grant# C-W-20-2NJ-1) that we would like to submit to OHPO for review and historic preservation compliance. We believe that this this project is ultimately exempt and that there will be no potential effect on any Historic Properties or Resources, but would like it to be reviewed by your office, just to be certain. Please be assured that no actual construction work has been performed yet on this project.

 The proposed project is located in the Village of Tuscarawas, Tuscarawas County, Ohio. The exact location is 230' north of Cherry Street SE and 150' west of Park Drive. The project is located within the Village limits. This project includes three projects to provide improvements to the water system. Construction of a new 6-inch water line, providing a loop within the water distribution system. Improvements to the existing water treatment plant, including the construction of new verticle pressure filters, and including a building around the pressure filters. The existing 100,000 gallon water reservoir will be replaced with a new 200,000 gallon water storage tank.

We do not feel that any of the project's activities will affect any historic buildings or sites and are simply requesting that OHPO look over the submitted data and indicate whether or not you concur with our opinion that there will be "No Historic Properties Affected."

Also, in the unlikely event that anything historic is uncovered during construction, we will definitely follow all of the proper procedures before proceeding with construction.

Thank you for your consideration of this project.

Sincerely,

THE THRASHER GROUP

Erin Wright Grant Coordinator

010-10001 - WATER - VILLAGE OF TUSCARAWAS\Funding\CDBG - RPIG\Environmental Review\State Historic Preservation Office.docx

Water Line Loop Photos (Page 1 of 4)



Photo 1 – 1: Fire Hydrant at north end of Park Drive, Eastern Connection to Existing Water Line



Photo 1 – 2: Water line alignment north of Park Drive heading west

Water Line Loop Photos (Page 2 of 4)



Photo 1 – 3: Water line alignment along gravel road (Church Street), north side of park, looking west



Photo 1 - 4: Water line alignment along gravel road (Church Street), north side of park near intersection of Church Street and Adamson Drive, looking west

## Water Line Loop Photos (Page 3 of 4)



Photo 1 – 5: Water line alignment at intersection of Church Street and Adamson Drive, looking west



Photo 1 – 6: Water line alignment along Church Street, looking west

# Water Line Loop Photos (Page 4 of 4)



Photo 1 – 7: Water line alignment at intersection of Church Street and East Avenue, looking east

Water Storage Tank Photos (Page 1 of 2)



Photo 2 – 1: Alignment of existing water line to feed water storage tank, looking southeast



Photo 2 – 2: Existing water storage tank site, looking southeast

Water Storage Tank Photos (Page 2 of 2)



Photo 2 – 3: Water storage tank site, looking northwest



Photo 2 – 4: Water storage tank site, looking southeast

Water Treatment Plant Photos (Page 1 of 8)



Photo 3 – 1: Existing water treatment plant site, looking northeast



Photo 3 – 2: Existing water treatment plant and proposed chlorine contact tank site, looking north

# Water Treatment Plant Photos (Page 2 of 8)



Photo 3 – 3: Existing water treatment plant and generator site, looking at west side of water treatment plant building



Photo 3 - 4: Existing water treatment plant site and electrical panels, looking at north side of water treatment plant building

Water Treatment Plant Photos (Page 3 of 8)



Photo 3 – 5: Existing water treatment plant site, looking at east side of water treatment plant building



Photo 3 – 6: Force main alignment at existing water treatment plant site, looking north

Water Treatment Plant Photos (Page 4 of 8)



Photo 3 – 7: Force main alignment at existing Well House #2 site, looking north



Photo 3 – 8: Force main alignment, looking north

# Water Treatment Plant Photos (Page 5 of 8)



Photo 3 – 9: Force main alignment at discharge manhole, looking west



Photo 3 – 10: Well House #1 flow meters

Water Treatment Plant Photos (Page 6 of 8)



Photo 3 – 11: Chlorine Room

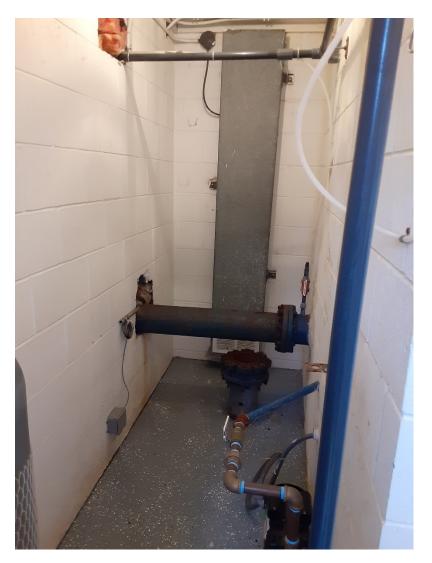


Photo 3 – 12: Chlorine Room

Water Treatment Plant Photos (Page 7 of 8)

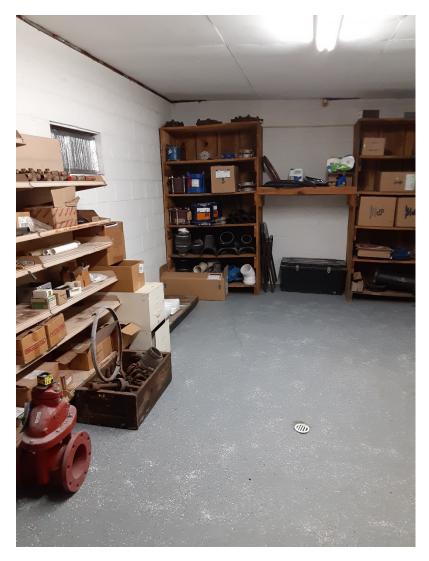


Photo 3 – 13: Phosphate Room, south wall

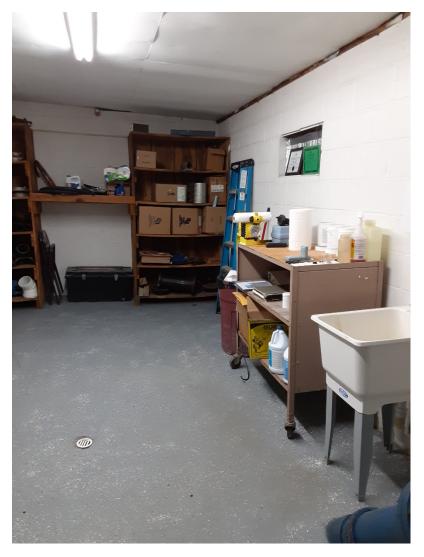
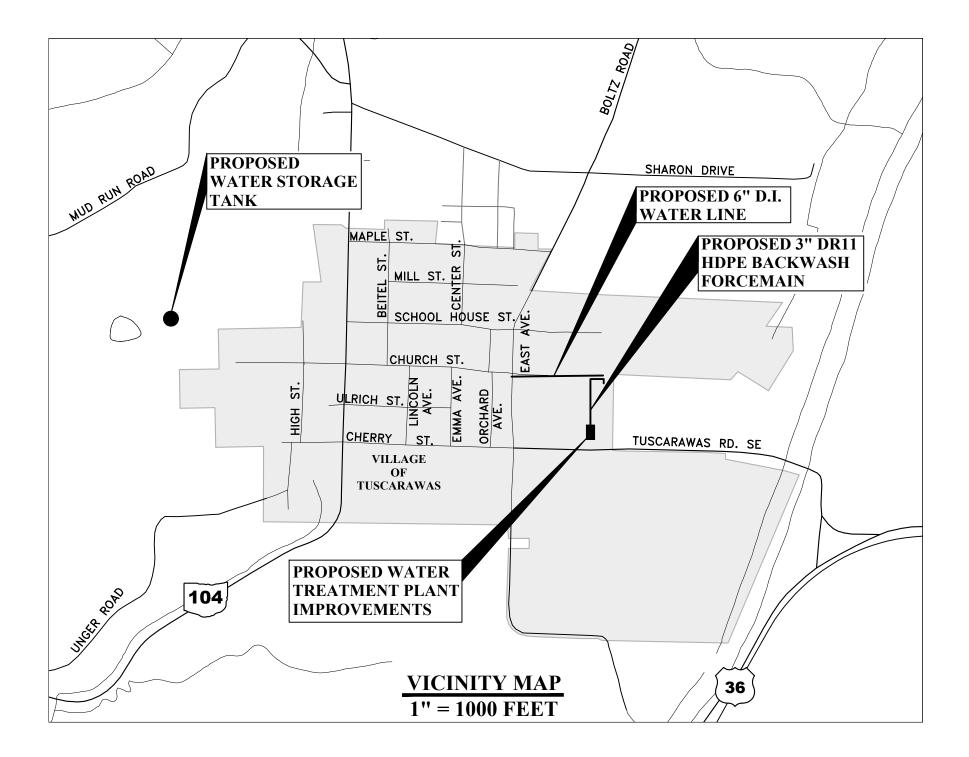


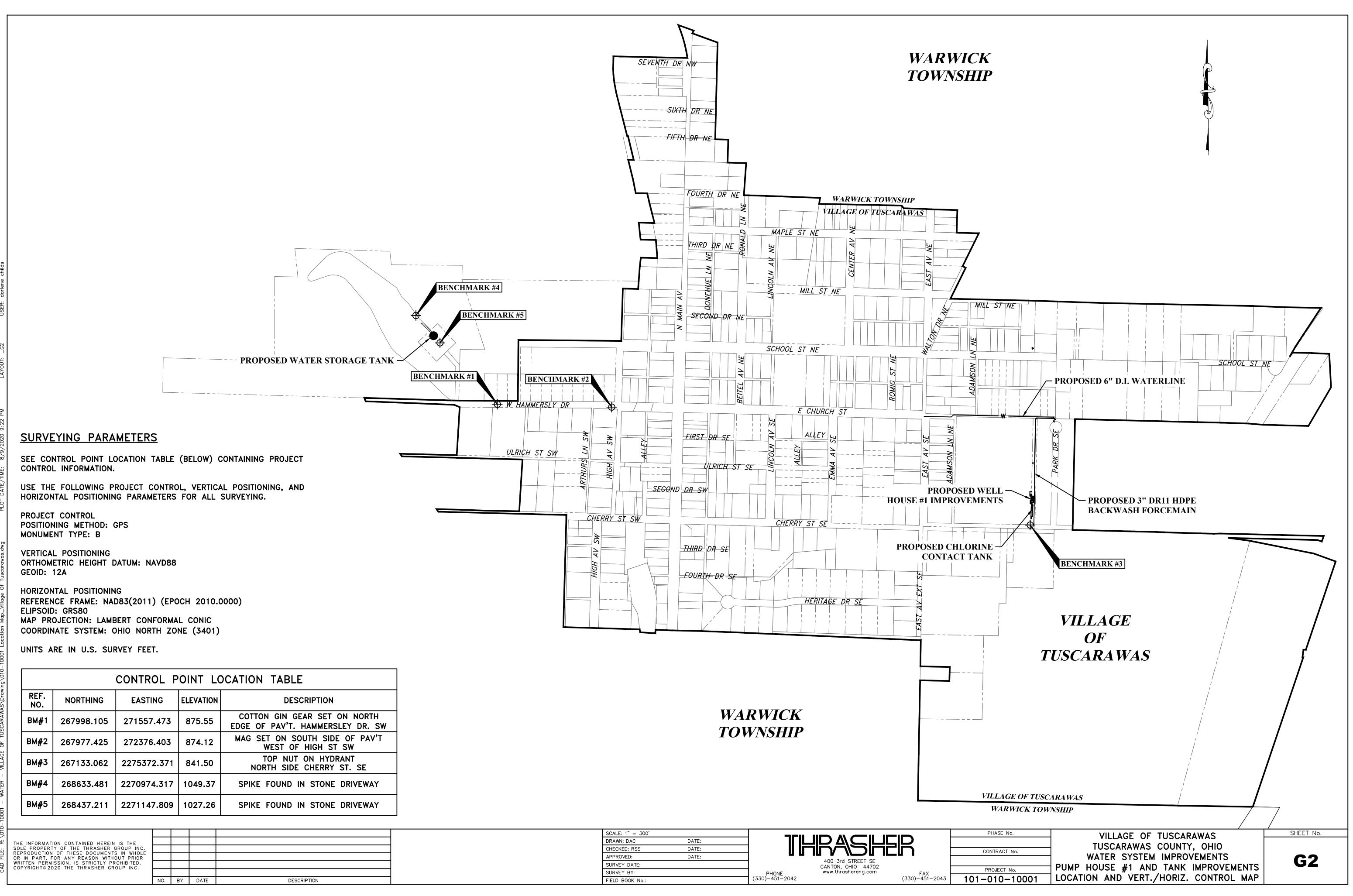
Photo 3 – 13: Phosphate Room, south wall

Water Treatment Plant Photos (Page 8 of 8)

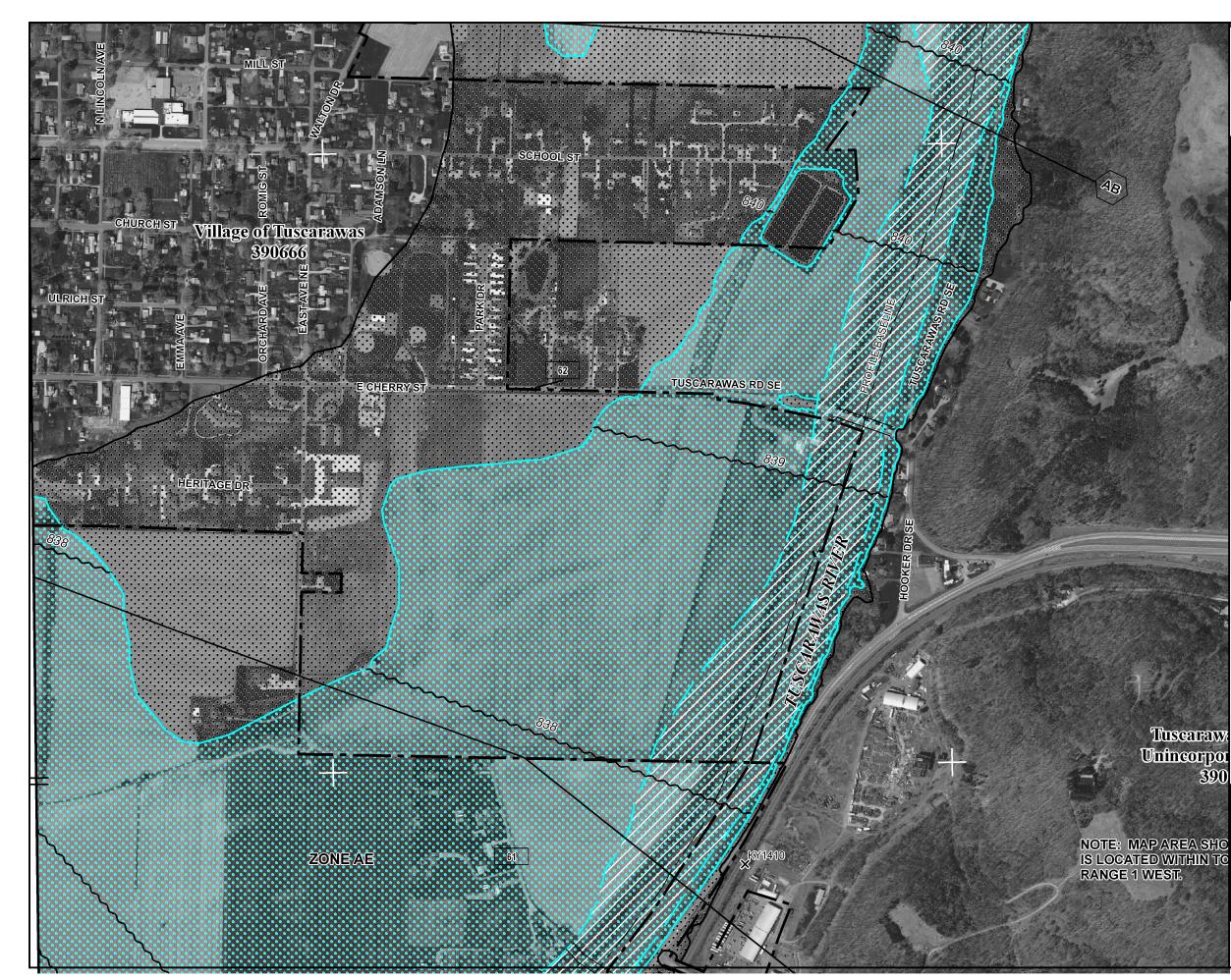


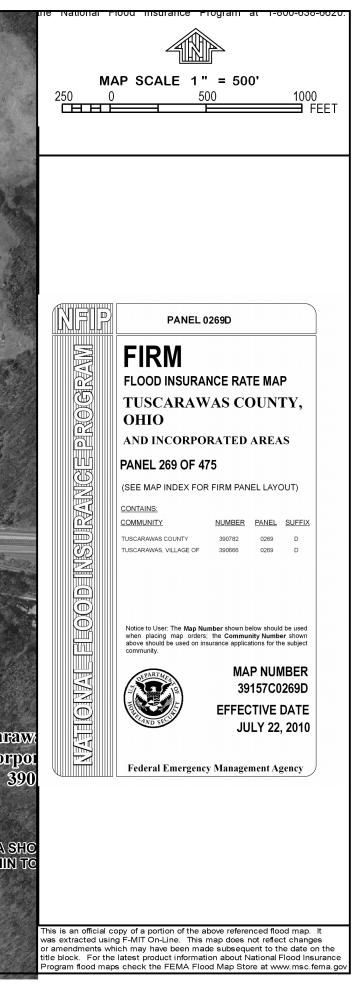
Photo 3 – 15: Phosphate Room exposed water line, north wall





5				
ź	THE INFORMATION CONTAINED HEREIN IS THE			
i	SOLE PROPERTY OF THE THRASHER GROUP INC. REPRODUCTION OF THESE DOCUMENTS IN WHOLE			
-	OR IN PART, FOR ANY REASON WITHOUT PRIOR			
Ş	WRITTEN PERMISSION, IS STRICTLY PROHIBITED. COPYRIGHT©2020 THE THRASHER GROUP INC.			
5				
		NO	BV	DESCRIPTION





# Floodplain Management (CEST and EA)

General Requirements	Legislation	Regulation					
Executive Order 11988,	Executive Order 11988	24 CFR 55					
Floodplain Management,							
requires Federal activities to							
avoid impacts to floodplains							
and to avoid direct and							
indirect support of floodplain							
development to the extent							
practicable.							
Reference							
https://www.hudexchange.info	https://www.hudexchange.info/environmental-review/floodplain-management						

- 1. Does <u>24 CFR 55.12(c)</u> exempt this project from compliance with HUD's floodplain management regulations in Part 55?
  - 🗆 Yes

Provide the applicable citation at 24 CFR 55.12(c) here. If project is exempt under 55.12(c)(7) or (8), provide supporting documentation.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

 $\boxtimes$  No  $\rightarrow$  Continue to Question 2.

# 2. Provide a FEMA/FIRM or ABFE map showing the site.

The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs) or Advisory Base Flood Elevations (ABFEs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site.

# Does your project occur in a floodplain?

- $\boxtimes$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.
- 🗆 Yes
- Select the applicable floodplain using the FEMA map or the best available information:

 $\Box$  Floodway  $\rightarrow$  Continue to Question 3, Floodways

- $\Box$  Coastal High Hazard Area (V Zone)  $\rightarrow$  Continue to Question 4, Coastal High Hazard Areas
- □ 500-year floodplain (B Zone or shaded X Zone)  $\rightarrow$  Continue to Question 5, 500-year Floodplains
- □ 100-year floodplain (A Zone)  $\rightarrow$  The 8-Step Process is required. Continue to Question 6, 8-Step Process

# 3. Floodways

# Is this a functionally dependent use?

🗌 Yes

<u>The 8-Step Process is required.</u> Work with your HUD FEO to determine a way to satisfactorily continue with this project. Provide a completed 8-Step Process, including the early public notice and the final notice.

 $\rightarrow$ Continue to Question 6, 8-Step Process

🗆 No

<u>Federal assistance may not be used at this location *unless a 55.12(c) exception applies*.</u> <u>You must either choose an alternate site or cancel the project at this location.</u>

# 4. Coastal High Hazard Area

# Is this a critical action?

🗆 Yes

<u>Critical actions are prohibited in coastal high hazard areas. Federal assistance may not</u> be used at this location. Unless the action is excepted at 24 CFR 55.12(c), you must either choose an alternate site or cancel the project.

🗆 No

Does this action include construction that is not a functionally dependent use, existing construction (including improvements), or reconstruction following destruction caused by a disaster?

- Yes, there is new construction.
   New construction is prohibited in V Zones ((24 CFR 55.1(c)(3)).
- □ No, this action concerns only a functionally dependent use, existing construction(including improvements), or reconstruction following destruction caused by a disaster.

This construction must have met FEMA elevation and construction standards for a coastal high hazard area or other standards applicable at the time of construction.

# $\rightarrow$ Continue to Question 6, 8-Step Process

# 5. 500-year Floodplain

# Is this a critical action?

 $\Box$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

 $\Box$ Yes  $\rightarrow$  Continue to Question 6, 8-Step Process

# 6. <u>8-Step Process</u>.

# Does the 8-Step Process apply? Select one of the following options:

□ 8-Step Process applies.

Provide a completed 8-Step Process, including the early public notice and the final notice.

 $\rightarrow$  Continue to Question 7, Mitigation

 $\Box$  5-Step Process is applicable per 55.12(a)(1-3).

Provide documentation of 5-Step Process.

Select the applicable citation:

- □ 55.12(a)(1) HUD actions involving the disposition of HUD-acquired multifamily housing projects or "bulk sales" of HUD-acquired one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24).
- $\Box$  55.12(a)(2) HUD's actions under the National Housing Act (12 U.S.C. 1701) for the purchase or refinancing of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, and intermediate care facilities, in communities that are in good standing under the NFIP.
- □ 55.12(a)(3) HUD's or the recipient's actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing multifamily housing projects, hospitals, nursing homes, assisted living facilities, board and care facilities, intermediate care facilities, and one- to four-family properties, in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and are in good standing, provided that the number of units is not increased more than 20 percent, the action does not involve a conversion from nonresidential to residential land use, the action does not meet the thresholds for "substantial improvement" under § 55.2(b)(10), and the footprint of the structure and paved areas is not significantly increased.
- $\Box$  55.12(a)(4) HUD's (or the recipient's) actions under any HUD program involving the repair, rehabilitation, modernization, weatherization, or improvement of existing nonresidential buildings and structures, in communities that are in the

Regular Program of the NFIP and are in good standing, provided that the action does not meet the thresholds for "substantial improvement" under § 55.2(b)(10) and that the footprint of the structure and paved areas is not significantly increased.

- ightarrow Continue to Question 7, Mitigation
- $\Box$  8-Step Process is inapplicable per 55.12(b)(1-4).
  - Select the applicable citation:
    - □ 55.12(b)(1) HUD's mortgage insurance actions and other financial assistance for the purchasing, mortgaging or refinancing of existing one- to four-family properties in communities that are in the Regular Program of the National Flood Insurance Program (NFIP) and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24), where the action is not a critical action and the property is not located in a floodway or coastal high hazard area.
    - $\Box$  55.12(b)(2) Financial assistance for minor repairs or improvements on one- to four-family properties that do not meet the thresholds for "substantial improvement" under § 55.2(b)(10)
    - □ *55.12(b)(3)* HUD actions involving the disposition of individual HUD-acquired, one-to four-family properties.
    - □ 55.12(b)(4) HUD guarantees under the Loan Guarantee Recovery Fund Program (24 CFR part 573) of loans that refinance existing loans and mortgages, where any new construction or rehabilitation financed by the existing loan or mortgage has been completed prior to the filing of an application under the program, and the refinancing will not allow further construction or rehabilitation, nor result in any physical impacts or changes except for routine maintenance.
    - $\Box$  55.12(b)(5) The approval of financial assistance to lease an existing structure located within the floodplain, but only if—

(i) The structure is located outside the floodway or Coastal High Hazard Area, and is in a community that is in the Regular Program of the NFIP and in good standing (i.e., not suspended from program eligibility or placed on probation under 44 CFR 59.24);

- (ii) The project is not a critical action; and
- (iii) The entire structure is or will be fully insured or insured to the maximum under the NFIP for at least the term of the lease.
- → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

# 7. Mitigation

For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

# Which of the following mitigation/minimization measures have been identified for this project in the 8-Step or 5-Step Process? Select all that apply.

- □ Permeable surfaces
- □ Natural landscape enhancements that maintain or restore natural hydrology
- □ Planting or restoring native plant species
- □ Bioswales
- □ Evapotranspiration
- □ Stormwater capture and reuse
- $\hfill\square$  Green or vegetative roofs with drainage provisions
- □ Natural Resources Conservation Service conservation easements or similar easements
- □ Floodproofing of structures
- $\hfill\square$  Elevating structures including freeboarding above the required base flood elevations
- □ Other
- → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

# Worksheet Summary

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

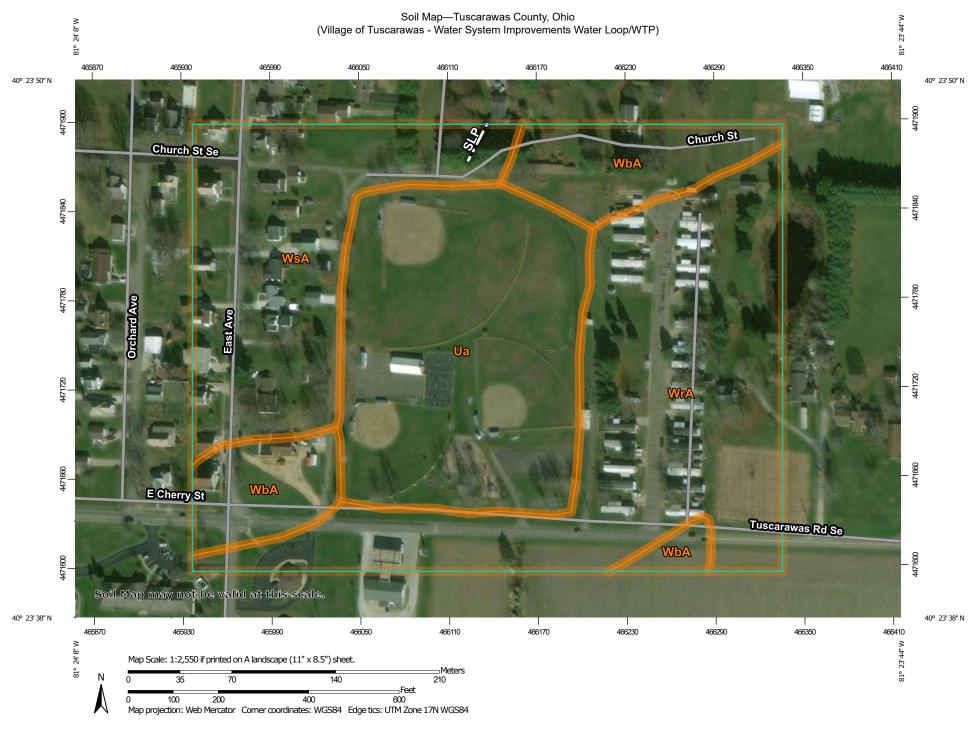
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

FEMA mapping was acquired and notes no wetlands in the area of the project limits.

# Are formal compliance steps or mitigation required?

🗆 Yes

🛛 No



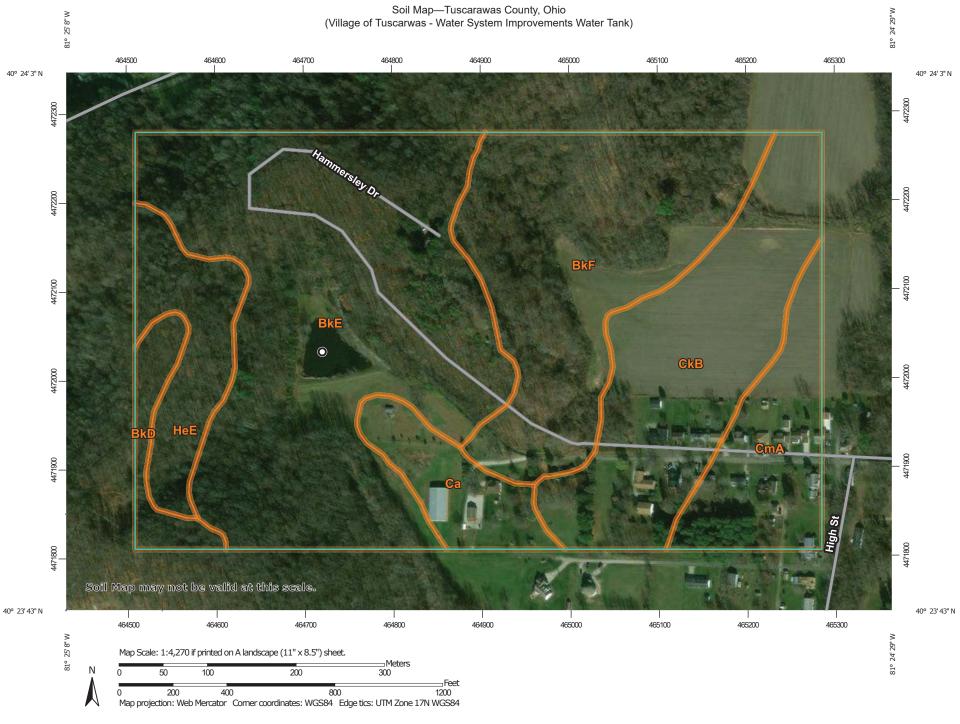
USDA Natural Resources Conservation Service Web Soil Survey National Cooperative Soil Survey

MAP L	EGEND		MAP INFORMATION
Area of Interest (AOI)		Spoil Area	The soil surveys that comprise your AOI were mapped at
Area of Interest (AOI)	۵	Stony Spot	1:15,800.
Soils	~	Very Stony Spot	Warning: Soil Map may not be valid at this scale.
Soil Map Unit Polygons		Wet Spot	Enlargement of maps beyond the scale of mapping can cause
Soil Map Unit Lines		Other	misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of
Soil Map Unit Points	_	Special Line Features	contrasting soils that could have been shown at a more detailed
Special Point Features	Water Featu		scale.
Blowout		Streams and Canals	Please rely on the bar scale on each map sheet for map
Borrow Pit	Transportati	ion	measurements.
💥 Clay Spot	+++	Rails	Source of Map: Natural Resources Conservation Service Web Soil Survey URL:
Closed Depression	~	Interstate Highways	Coordinate System: Web Mercator (EPSG:3857)
Gravel Pit	~	US Routes	Maps from the Web Soil Survey are based on the Web Mercato
Gravelly Spot	$\sim$	Major Roads	projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the
🔕 Landfill	~	Local Roads	Albers equal-area conic projection that preserves area, such as the Albers equal-area conic projection, should be used if more
🙏 🛛 Lava Flow	Background	Ł	accurate calculations of distance or area are required.
Marsh or swamp	No.	Aerial Photography	This product is generated from the USDA-NRCS certified data of the version date(s) listed below.
Mine or Quarry			Soil Survey Area: Tuscarawas County, Ohio
Miscellaneous Water			Survey Area Data: Version 19, Jun 11, 2020
O Perennial Water			Soil map units are labeled (as space allows) for map scales
V Rock Outcrop			1:50,000 or larger.
🕂 Saline Spot			Date(s) aerial images were photographed: May 25, 2014—Ma 21, 2017
Sandy Spot			The orthophoto or other base map on which the soil lines were
Severely Eroded Spot			compiled and digitized probably differs from the background
Sinkhole			imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.
bide or Slip			childing of hisp and boardanoo hisp bo ordent.
Sodic Spot			



# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Ua	Udorthents, hilly	8.6	28.8%
WbA	Weinbach silt loam, 0 to 3 percent slopes	4.1	13.7%
WrA	Wheeling loam, 0 to 3 percent slopes	10.5	35.4%
WsA	Wheeling-Urban land complex, nearly level	6.6	22.1%
Totals for Area of Interest	!	29.8	100.0%



USDA Natural Resources

Conservation Service

MAP I	EGEND		MAP INFORMATION
Area of Interest (AOI)	🚍 Spi	oil Area	The soil surveys that comprise your AOI were mapped at
Area of Interest (AOI)		ony Spot	1:15,800.
Soils	-	ry Stony Spot	Warning: Soil Map may not be valid at this scale.
Soil Map Unit Polygons	60	et Spot	Enlargement of maps beyond the scale of mapping can cause
Soil Map Unit Lines	∆ Oth		misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of
Soil Map Unit Points	-	ecial Line Features	contrasting soils that could have been shown at a more detailed
Special Point Features	Water Features		scale.
Blowout		eams and Canals	Please rely on the bar scale on each map sheet for map
Borrow Pit	Transportation		measurements.
💥 Clay Spot	+++ Ra		Source of Map: Natural Resources Conservation Service
Closed Depression	🛹 Inte	erstate Highways	Web Soil Survey URL: Coordinate System: Web Mercator (EPSG:3857)
Gravel Pit	🥪 US	Routes	Maps from the Web Soil Survey are based on the Web Mercato
Gravelly Spot	🥪 Ma	ijor Roads	projection, which preserves direction and shape but distorts
🔕 Landfill	Loc	cal Roads	distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more
🙏 Lava Flow	Background		accurate calculations of distance or area are required.
Marsh or swamp	•	rial Photography	This product is generated from the USDA-NRCS certified data a of the version date(s) listed below.
Mine or Quarry			Soil Survey Area: Tuscarawas County, Ohio
Miscellaneous Water			Survey Area Data: Version 19, Jun 11, 2020
Perennial Water			Soil map units are labeled (as space allows) for map scales
Rock Outcrop			1:50,000 or larger.
Saline Spot			Date(s) aerial images were photographed: May 25, 2014—Ma 21, 2017
Sandy Spot			The orthophoto or other base map on which the soil lines were
Severely Eroded Spot			compiled and digitized probably differs from the background
Sinkhole			imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.
Slide or Slip			· · · · ·
Sodic Spot			



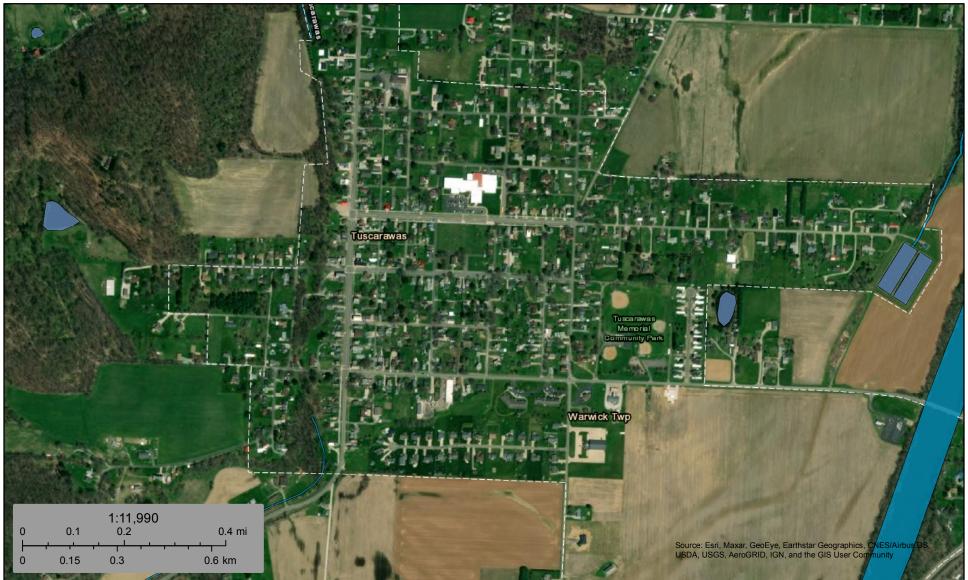
# Map Unit Legend

100.0%	90.4		Totals for Area of Interest
6.6%	6.0	Hazleton channery loam, 25 to 35 percent slopes	HeE
8.3%	7.5	Chili silt loam, 0 to 3 percent slopes	CmA
17.9%	16.2	Chili gravelly loam, 3 to 8 percent slopes	CkB
5.0%	4.5	Canadice silty clay loam	Ca
21.9%	19.8	Berks channery silt loam, 35 to 70 percent slopes	BKF
37.6%	34.0	Berks channery silt loam, 25 to 35 percent slopes	BKE
2.7%	2.5	Berks shaly silt loam, 15 to 25 percent slopes	BKD
Percent of AOI	Acres in AOI	Map Unit Name	Map Unit Symbol



# U.S. Fish and Wildlife Service National Wetlands Inventory

# Village of Tuscarawas - Water System Imp



#### October 28, 2020

#### Wetlands

- Estuarine and Marine Wetland

Estuarine and Marine Deepwater

**Freshwater Pond** 

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Lake Other Riverine This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Wetlands (CEST and EA)

General requirements	Legislation	Regulation
Executive Order 11990 discourages that direct or	Executive Order	24 CFR 55.20 can
indirect support of new construction impacting	11990	be used for
wetlands wherever there is a practicable		general guidance
alternative. The Fish and Wildlife Service's		regarding the 8
National Wetlands Inventory can be used as a		Step Process.
primary screening tool, but observed or known		
wetlands not indicated on NWI maps must also		
be processed. Off-site impacts that result in		
draining, impounding, or destroying wetlands		
must also be processed.		
References	;	
https://www.hudexchange.info/environmental-rev	iew/wetlands-protec	tion

1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance?

The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order.

 $\square$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

 $\boxtimes$  Yes  $\rightarrow$  Continue to Question 2.

2. Will the new construction or other ground disturbance impact an on- or off-site wetland?

The term "wetlands" means those areas that are inundated by surface or ground water with a frequency sufficient to support, and under normal circumstances does or would support, a prevalence of vegetative or aquatic life that requires saturated or seasonally saturated soil conditions for growth and reproduction. Wetlands generally include swamps, marshes, bogs, and similar areas such as sloughs, potholes, wet meadows, river overflows, mud flats, and natural ponds. Wetlands under E.O. 11990 include isolated and non-jurisdictional wetlands.

- $\boxtimes$  No, a wetland will not be impacted in terms of E.O. 11990's definition of new construction.
  - → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map or any other relevant documentation to explain your determination.
- $\hfill\square$  Yes, there is a wetland that be impacted in terms of E.O. 11990's definition of new construction.

- →You must determine that there are no practicable alternatives to wetlands development by completing the 8-Step Process.
   Provide a completed 8-Step Process as well as all documents used to make your determination, including a map. Be sure to include the early public notice and the final notice with your documentation.
   Continue to Question 3.
- 3. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

# Which of the following mitigation actions have been or will be taken? Select all that apply:

- □ Permeable surfaces
- □ Natural landscape enhancements that maintain or restore natural hydrology through infiltration
- □ Native plant species
- □ Bioswales
- □ Evapotranspiration
- □ Stormwater capture and reuse
- $\hfill\square$  Green or vegetative roofs with drainage provisions
- □ Natural Resources Conservation Service conservation easements
- □ Compensatory mitigation

# Worksheet Summary

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

USGS Soil Maps and US Fish and Wildlife National Wetlands Inventory were acquired that note no wetlands near the limits of work.

# Are formal compliance steps or mitigation required?

 $\Box$  Yes

🛛 No

General requirements	Legislation	Regulation				
Federal assistance to applicant	Coastal Zone Management	15 CFR Part 930				
agencies for activities affecting	Act (16 USC 1451-1464),					
any coastal use or resource is	particularly section 307(c)					
granted only when such	and (d) (16 USC 1456(c) and					
activities are consistent with	(d))					
federally approved State						
Coastal Zone Management Act						
Plans.						
	References					
https://www.opocpd.info/opvironmontal-roviow/coastal_zopo-management						

https://www.onecpd.info/environmental-review/coastal-zone-management

Projects located in the following states must complete this form.

	<u> </u>				
Alabama	Florida	Louisiana	Mississippi	Ohio	Texas
Alaska	Georgia	Maine	New Hampshire	Oregon	Virgin Islands
American	Guam	Maryland	New Jersey	Pennsylvania	Virginia
Samona					
California	Hawaii	Massachusetts	New York	Puerto Rico	Washington
Connecticut	Illinois	Michigan	North Carolina	Rhode Island	Wisconsin
Delaware	Indiana	Minnesota	Northern	South Carolina	
			Mariana Islands		

- 1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?
  - $\Box$ Yes  $\rightarrow$  Continue to Question 2.
  - ⊠No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing that the site is not within a Coastal Zone.

# 2. Does this project include activities that are subject to state review?

- $\Box$ Yes  $\rightarrow$  Continue to Question 3.
- $\square$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.
- **3.** Has this project been determined to be consistent with the State Coastal Management Program?

 $\Box$  Yes, with mitigation.  $\rightarrow$  *Continue to Question 4.* 

 $\Box$  Yes, without mitigation.  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination.

 $\Box$ No, project must be canceled.

Project cannot proceed at this location.

4. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ Continue to the Worksheet Summary below. Provide documentation of the consultation (including the State Coastal Management Program letter of consistency) and any other documentation used to make your determination.

# Worksheet Summary

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

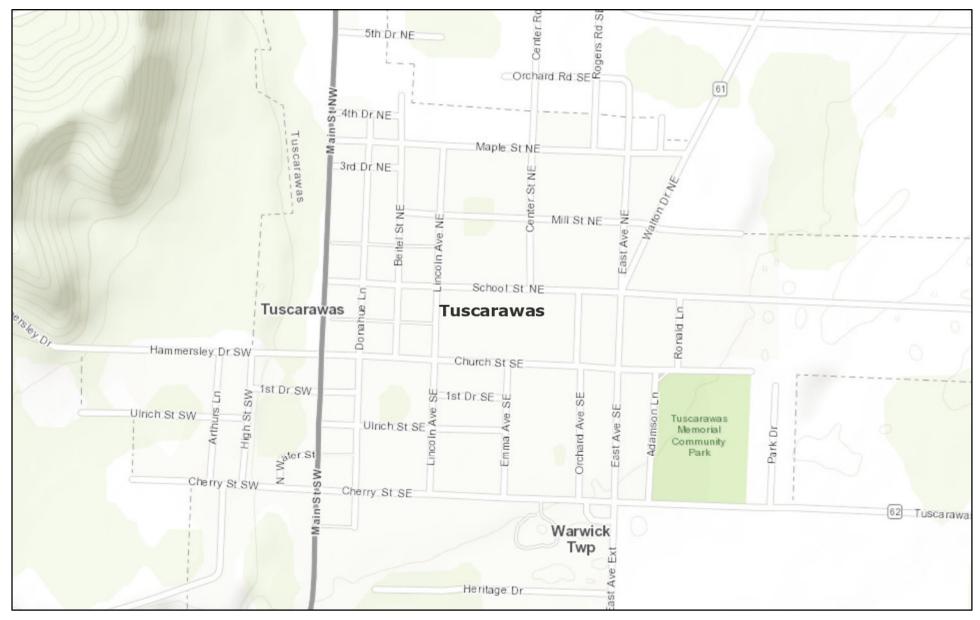
- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

ODNR Office of Costal Management mapping was acquired and notes no costal waters are within the project limits.

# Are formal compliance steps or mitigation required?

- 🗆 Yes
- 🛛 No

# Ohio Coastal Atlas Map Viewer



October 28, 2020

Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

# Sole Source Aquifers (CEST and EA)

General requirements	Legislation	Regulation			
The Safe Drinking Water Act of 1974	Safe Drinking Water	40 CFR Part 149			
protects drinking water systems	Act of 1974 (42 U.S.C.				
which are the sole or principal	201, 300f et seq., and				
drinking water source for an area and	21 U.S.C. 349)				
which, if contaminated, would create					
a significant hazard to public health.					
Reference					
https://www.hudexchange.info/environmental-review/sole-source-aquifers					

- 1. Does your project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?
  - $\Box$ Yes  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.
  - $\boxtimes$  No  $\rightarrow$  Continue to Question 2.

# 2. Is the project located on a sole source aquifer (SSA)<sup>1</sup>?

- No → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map of your project (or jurisdiction, if appropriate) in relation to the nearest SSA and its source area.
- $\Box$ Yes  $\rightarrow$  Continue to Question 3.
- **3.** Does your region have a memorandum of understanding (MOU) or other working agreement with EPA for HUD projects impacting a sole source aquifer?

Contact your Field or Regional Environmental Officer or visit the HUD webpage at the link above to determine if an MOU or agreement exists in your area.

- $\Box$ Yes  $\rightarrow$  Provide the MOU or agreement as part of your supporting documentation. Continue to Question 4.
- $\Box$  No  $\rightarrow$  Continue to Question 5.

# 4. Does your MOU or working agreement exclude your project from further review?

□Yes → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination and document where your project fits within the MOU or agreement.

<sup>&</sup>lt;sup>1</sup> A sole source aquifer is defined as an aquifer that supplies at least 50 percent of the drinking water consumed in the area overlying the aquifer. This includes streamflow source areas, which are upstream areas of losing streams that flow into the recharge area.

# $\Box$ No $\rightarrow$ Continue to Question 5.

5. Will the proposed project contaminate the aquifer and create a significant hazard to public health?

Consult with your Regional EPA Office. Your consultation request should include detailed information about your proposed project and its relationship to the aquifer and associated streamflow source area. EPA will also want to know about water, storm water and waste water at the proposed project. Follow your MOU or working agreement or contact your Regional EPA office for specific information you may need to provide. EPA may request additional information if impacts to the aquifer are questionable after this information is submitted for review.

- $\square$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide your correspondence with the EPA and all documents used to make your determination.
- □Yes → Work with EPA to develop mitigation measures. If mitigation measures are approved, attach correspondence with EPA and include the mitigation measures in your environmental review documents and project contracts. If EPA determines that the project continues to pose a significant risk to the aquifer, federal financial assistance must be denied. Continue to Question 6.
- 6. In order to continue with the project, any threat must be mitigated, and all mitigation must be approved by the EPA. Explain in detail the proposed measures that can be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.

# Worksheet Summary

#### **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Per mapping on the Ohio EPA website, there are no Sole Source Aquifers located in Tuscarawas County. The nearest aquifer to the project site is the Pleasant City SSA.

Are formal compliance steps or mitigation required?

□ Yes

🛛 No

# Endangered Species Act (CEST and EA)

General requirements	ESA Legislation	Regulations				
Section 7 of the Endangered Species Act (ESA)	The Endangered	50 CFR Part				
mandates that federal agencies ensure that	Species Act of 1973 (16	402				
actions that they authorize, fund, or carry out	U.S.C. 1531 et seq.);					
shall not jeopardize the continued existence of	particularly section 7					
federally listed plants and animals or result in	(16 USC 1536).					
the adverse modification or destruction of						
designated critical habitat. Where their actions						
may affect resources protected by the ESA,						
agencies must consult with the Fish and Wildlife						
Service and/or the National Marine Fisheries						
Service ("FWS" and "NMFS" or "the Services").						
References						
https://www.hudexchange.info/environmental-re	view/endangered-species					

- Does the project involve any activities that have the potential to affect species or habitats?
   □ No, the project will have No Effect due to the nature of the activities involved in the project.
   → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.
  - □No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office. Explain your determination:
    - → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.
  - $\boxtimes$  Yes, the activities involved in the project have the potential to affect species and/or habitats.  $\rightarrow$  Continue to Question 2.
- Are federally listed species or designated critical habitats present in the action area? Obtain a list of protected species from the Services. This information is available on the <u>FWS</u> <u>Website</u> or you may contact your <u>local FWS</u> and/or <u>NMFS</u> offices directly.

 $\Box$ No, the project will have No Effect due to the absence of federally listed species and designated critical habitat.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation

may include letters from the Services, species lists from the Services' websites, surveys or other documents and analysis showing that there are no species in the action area.

- $\Box$  Yes, there are federally listed species or designated critical habitats present in the action area.  $\rightarrow$  Continue to Question 3.
- 3. What effects, if any, will your project have on federally listed species or designated critical habitat?

□ No Effect: Based on the specifics of both the project and any federally listed species in the action area, you have determined that the project will have absolutely no effect on listed species or critical habitat.

- → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination. Documentation should include a species list and explanation of your conclusion, and may require maps, photographs, and surveys as appropriate.
- □ May Affect, Not Likely to Adversely Affect: Any effects that the project may have on federally listed species or critical habitats would be beneficial, discountable, or insignificant.

 $\rightarrow$  Continue to Question 4, Informal Consultation.

Likely to Adversely Affect: The project may have negative effects on one or more listed species or critical habitat.

 $\rightarrow$  Continue to Question 5, Formal Consultation.

# 4. Informal Consultation is required

Section 7 of ESA (16 USC. 1536) mandates consultation to resolve potential impacts to endangered and threatened species and critical habitats. If a HUD-assisted project may affect any federally listed endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

# Did the Service(s) concur with the finding that the project is Not Likely to Adversely Affect?

 $\boxtimes$  Yes, the Service(s) concurred with the finding.

 $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to Question 6 and provide the following:

- (1) A biological evaluation or equivalent document
- (2) Concurrence(s) from FWS and/or NMFS
- (3) Any other documentation of informal consultation

Exception: If finding was made based on procedures provided by a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office, provide whatever documentation is mandated by that agreement.

 $\Box$ No, the Service(s) did not concur with the finding.  $\rightarrow$  *Continue to Question 5.* 

# 5. Formal consultation is required

Section 7 of ESA (16 USC 1536) mandates consultation to resolve potential impacts to federally listed endangered and threatened species and critical habitats. If a HUD assisted project may affect any endangered or threatened species or critical habitat, then compliance is required with Section 7. See 50 CFR Part 402 Subpart B Consultation Procedures.

- $\rightarrow$  Once consultation is complete, the review is in compliance with this section. Continue to Question 6 and provide the following:
  - (1) A biological assessment, evaluation, or equivalent document
  - (2) Biological opinion(s) issued by FWS and/or NMFS
  - (3) Any other documentation of formal consultation
- 6. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that will be implemented to mitigate for the impact or effect, including the timeline for implementation.

□ Mitigation as follows will be implemented:

No mitigation is necessary.Explain why mitigation will not be made here:

# Worksheet Summary

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

# Are formal compliance steps or mitigation required?

 $\Box$  Yes

🗆 No

# Ohio County Distribution of Federally-Listed Threatened, Endangered, Proposed, and **Candidate Species** *January* 29, 2018

County	Species	Status	Habitat
Adams	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
	Fanshell (Cyprogenia stegaria) (=C. irrorata)	Endangered	Found in areas of packed sand and gravel at locations in a good current
	Pink mucket pearlymussel (Lampsilis abrupta)	Endangered	The lower Ohio River and its larger tributaries
	Rayed bean (Villosa fabalis)	Endangered	Smaller, headwater creeks, but they are sometimes found in large rivers
	Sheepnose (Plethobasus cyphyus)	Endangered	Shallow areas in larger rivers and streams
	Snuffbox (Epioblasma triquetra)	Endangered	Small to medium-sized creeks and some larger rivers, in areas with a swift current
	Running buffalo clover (Trifolium stoloniferum)	Endangered	Disturbed bottomland meadows; disturbed sites that have shade during part of each day
Allen	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
Ashland	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
Ashtabula	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.

Shelby	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
	Rayed bean (Villosa fabalis)	Endangered	Smaller, headwater creeks, but they are sometimes found in large rivers
Stark	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
Summit	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
	Northern monkshood (Aconitum noveboracense)	Threatened	Cool, moist, shaded cliff faces or talus slopes in wooded ravines, near water seeps
Trumbull	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
	Eastern massasauga (Sistrurus catenatus)	Threatened	Wetlands and adjacent uplands
	Clubshell (Pleurobema clava)	Endangered	Found in coarse sand and gravel areas of runs and riffles within streams and small rivers
Tuscarawas	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
Union	Indiana bat (Myotis sodalis)	Endangered	Hibernacula = Caves and mines; Maternity and foraging habitat = small stream corridors with well developed riparian woods; upland forests
	Northern long-eared bat Myotis septentrionalis	Threatened	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. During late spring and summer roosts and forages in upland forests.
	Scioto madtom (Noturus trautmani)	Endangered	Stream riffles of moderate flow over sandy gravel bottom

# **Ryan S. Schuster**

From:	Erin R. Wright
Sent:	Thursday, November 19, 2020 4:45 PM
То:	Ryan S. Schuster
Subject:	FW: Village of Tuscarawas, Water System Improvements, Tuscarawas Co.

Erin R. Wright PROJECT COORDINATOR/GRANT WRITER | The Thrasher Group, Inc. office: <u>330-451-2042</u> fax: <u>330-451-2043</u> 400 3rd Street SE | Suite 309 | Canton, OH 44702 www.thethrashergroup.com

From: Ohio, FW3 <ohio@fws.gov>
Sent: Tuesday, November 17, 2020 1:28 PM
To: Erin R. Wright <erwright@thethrashergroup.com>
Cc: nathan.reardon@dnr.state.oh.us; Parsons, Kate <kate.parsons@dnr.state.oh.us>
Subject: Village of Tuscarawas, Water System Improvements, Tuscarawas Co.

# **CAUTION: External E-mail**



TAILS# 03E15000-2021-TA-0323

Dear Ms. Wright,

UNITED STATES DEPARTMENT OF THE INTERIOR U.S. Fish and Wildlife Service Ecological Services Office 4625 Morse Road, Suite 104 Columbus, Ohio 43230 (614) 416-8993 / Fax (614) 416-8994



The U.S Fish and Wildlife Service (Service) has received your recent correspondence requesting information about the subject proposal. We offer the following comments and recommendations to assist you in minimizing and avoiding adverse impacts to threatened and endangered species pursuant to the Endangered Species Act of 1973 (16 U.S.C. 1531 et seq), as amended (ESA).

<u>Federally Threatened and Endangered Species</u>: The endangered Indiana bat (*Myotis sodalis*) and threatened northern long-eared bat (*Myotis septentrionalis*) occur throughout the State of Ohio. The Indiana bat and northern long-eared bat may be found wherever suitable habitat occurs unless a presence/absence survey has been performed to document absence. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and breed that may also include adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, woodlots, fallow fields, and pastures. Roost trees for both species include live and standing dead trees  $\geq$ 3 inches diameter at breast height (dbh) that have any exfoliating bark, cracks, crevices, hollows and/or cavities. These roost trees may be located in forested habitats as well as linear features such as fencerows, riparian forests, and other wooded corridors. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat. In the winter, Indiana bats and northern long-eared bats hibernate in caves, rock crevices and abandoned mines.

Seasonal Tree Clearing for Federally Listed Bat Species: Should the proposed project site contain trees  $\geq 3$  inches dbh, we recommend avoiding tree removal wherever possible. If any caves or abandoned mines may be disturbed, further coordination with this office is requested to determine if fall or spring portal surveys are warranted. If no caves or abandoned mines are present and trees  $\geq 3$  inches dbh cannot be avoided, we recommend removal of any trees  $\geq 3$  inches dbh only occur between October 1 and March 31. Seasonal clearing is recommended to avoid adverse effects to Indiana bats and northern long-eared bats. While incidental take of northern long-eared bats from most tree clearing is exempted by a 4(d) rule

(see <u>http://www.fws.gov/midwest/endangered/mammals/nleb/index.html</u>), incidental take of Indiana bats is still prohibited without a project-specific exemption. Thus, seasonal clearing is recommended where Indiana bats are assumed present.

If implementation of this seasonal tree cutting recommendation is not possible, a summer presence/absence survey may be conducted for Indiana bats. If Indiana bats are not detected during the survey, then tree clearing may occur at any time of the year. Surveys must be conducted by an approved surveyor and be designed and conducted in coordination with the Ohio Field Office. Surveyors must have a valid federal permit. Please note that in Ohio summer mist net surveys may only be conducted between June 1 and August 15.

<u>Section 7 Coordination</u>: If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), then no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence. This letter provides technical assistance only and does not serve as a completed section 7 consultation document.

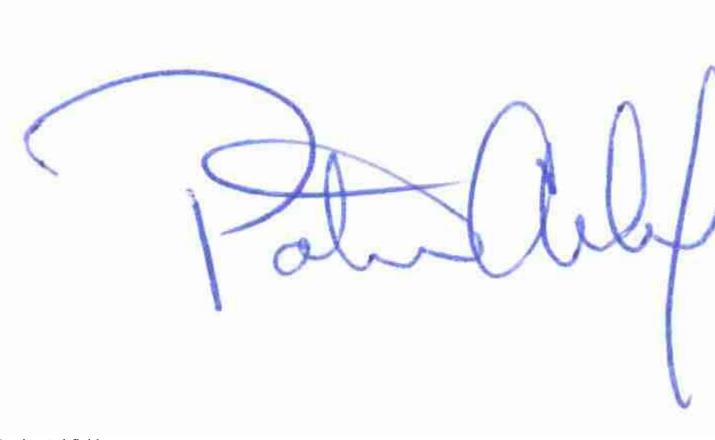
<u>Stream and Wetland Avoidance</u>: Over 90% of the wetlands in Ohio have been drained, filled, or modified by human activities, thus is it important to conserve the functions and values of the remaining wetlands in Ohio (<u>https://epa.ohio.gov/portals/47/facts/ohio\_wetlands.pdf</u>). We recommend avoiding and minimizing project impacts to all wetland habitats (e.g., forests, streams, vernal pools) to the maximum extent possible in order to benefit water quality and fish and wildlife habitat. Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the U.S. Army Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. Disturbed areas should be mulched and revegetated with native plant species. In addition, prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

Due to the project type, size, and location, we do not anticipate adverse effects to any other federally endangered, threatened, or proposed species, or proposed or designated critical habitat. Should the project design change, or additional information on listed or proposed species or their critical habitat become available, or if new information reveals effects of the action that were not previously considered, coordination with the Service should be initiated to assess any potential impacts.

Thank you for your efforts to conserve listed species and sensitive habitats in Ohio. We recommend coordinating with the Ohio Department of Natural Resources due to the potential for the proposed project to affect state listed species and/or state lands. Contact Mike Pettegrew, Acting Environmental Services Administrator, at (614) 265-6387 or at <u>mike.pettegrew@dnr.state.oh.us</u>.

If you have questions, or if we can be of further assistance in this matter, please contact our office at (614) 416-8993 or <u>ohio@fws.gov</u>.

Sincerely,



Patrice Ashfield Field Office Supervisor

cc: Nathan Reardon, ODNR-DOW Kate Parsons, ODNR-DOW



ARCHITECTURE ENGINEERING FIELD SERVICES

November 2, 2020

U.S. Fish and Wildlife Service Dan Everson, Field Office Supervisor 4625 Morse Road, Suite 104 Columbus, Ohio 43230

#### Re: Threatened and Endangered Species Request for Proposed Project – Village of Tuscarawas

To Whom It May Concern,

The Village of Tuscarawas has one (1) PY-2020 Residential Public Infrastructure Grant (Grant# C-W-20-2NJ-1) that we would like to submit to the U.S Fish and Wildlife Servies (USFWS) for review and threatened and endangered species compliance. We believe that this this project is ultimately exempt and that there will be no potential effect on any threatened or endangered species, but would like it to be reviewed by your office, just to be certain. Please be assured that no actual construction work has been performed yet on this project.

 The proposed project is located in the Village of Tuscarawas, Tuscarawas County, Ohio. The exact location is 230' north of Cherry Street SE and 150' west of Park Drive. The project is located within the Village limits. This project includes three projects to provide improvements to the water system. Construction of a new 6-inch water line, providing a loop within the water distribution system. Improvements to the existing water treatment plant, including the construction of new verticle pressure filters, and including a building around the pressure filters. The existing 100,000 gallon water reservoir will be replaced with a new 200,000 gallon water storage tank.

We do not feel that any of the project's activities will affect any threatened or endangered species and are simply requesting that USFWS look over the submitted data and indicate whether you concur with our opinion.

Also, in the unlikely event that anything historic is uncovered during construction, we will follow all of the proper procedures before proceeding with construction.

Thank you for your consideration of this project.

Sincerely,

THE THRASHER GROUP

Erin Wright Grant Coordinator



010-10001 - WATER - VILLAGE OF TUSCARAWAS\Funding\CDBG - RPIG\Environmental Review\State Historic Preservation Office.docx

General requirements	Legislation	Regulation	
The Wild and Scenic Rivers Act	The Wild and Scenic Rivers	36 CFR Part 297	
provides federal protection for	Act (16 U.S.C. 1271-1287),		
certain free-flowing, wild, scenic	particularly section 7(b) and		
and recreational rivers	(c) (16 U.S.C. 1278(b) and (c))		
designated as components or			
potential components of the			
National Wild and Scenic Rivers			
System (NWSRS) from the effects			
of construction or development.			
References			
https://www.hudexchange.info/environmental-review/wild-and-scenic-rivers			

# Wild and Scenic Rivers (CEST and EA)

# 1. Is your project within proximity of a NWSRS river as defined below?

**Wild & Scenic Rivers:** These rivers or river segments have been designated by Congress or by states (with the concurrence of the Secretary of the Interior) as wild, scenic, or recreational

<u>Study Rivers</u>: These rivers or river segments are being studied as a potential component of the Wild & Scenic River system.

<u>Nationwide Rivers Inventory (NRI)</u>: The National Park Service has compiled and maintains the NRI, a register of river segments that potentially qualify as national wild, scenic, or recreational river areas

🛛 No

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation used to make your determination, such as a map identifying the project site and its surrounding area or a list of rivers in your region in the Screen Summary at the conclusion of this screen.

□ Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.  $\rightarrow$  Continue to Question 2.

# 2. Could the project do any of the following?

- Have a direct and adverse effect within Wild and Scenic River Boundaries,
- Invade the area or unreasonably diminish the river outside Wild and Scenic River Boundaries, or
- Have an adverse effect on the natural, cultural, and/or recreational values of a NRI segment.

Consultation with the appropriate federal/state/local/tribal Managing Agency(s) is required, pursuant to Section 7 of the Act, to determine if the proposed project may have an adverse effect on a Wild & Scenic River or a Study River and, if so, to determine the appropriate avoidance or mitigation measures.

<u>Note</u>: Concurrence may be assumed if the Managing Agency does not respond within 30 days; however, you are still obligated to avoid or mitigate adverse effects on the rivers identified in the NWSRS

- □ No, the Managing Agency has concurred that the proposed project will not alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.
- → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.
- □ Yes, the Managing Agency was consulted and the proposed project may alter, directly, or indirectly, any of the characteristics that qualifies or potentially qualifies the river for inclusion in the NWSRS.
- $\rightarrow$  Continue to Question 3.
- **3.** For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

 $\rightarrow$  Continue to the Worksheet Summary below. Provide documentation of the consultation (including the Managing Agency's concurrence) and any other documentation used to make your determination.

#### **Worksheet Summary**

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

There are no rivers, creeks, or tributaries within the limits of construction. The project limits are also outside of the 100 year flood plain

Are formal compliance steps or mitigation required?

□ Yes ⊠ No

# Air Quality (CEST and EA)

General Requirements	Legislation	Regulation	
The Clean Air Act is administered by the	Clean Air Act (42 USC	40 CFR Parts 6, 51	
U.S. Environmental Protection Agency	7401 et seq.) as	and 93	
(EPA), which sets national standards on	amended particularly		
ambient pollutants. In addition, the Clean	Section 176(c) and (d)		
Air Act is administered by States, which	(42 USC 7506(c) and (d))		
must develop State Implementation Plans			
(SIPs) to regulate their state air quality.			
Projects funded by HUD must			
demonstrate that they conform to the			
appropriate SIP.			
Reference			
https://www.hudexchange.info/environmental-review/air-quality			

# Scope of Work

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

 $\boxtimes$  Yes

 $\rightarrow$  Continue to Question 2.

🗆 No

Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

# Air Quality Attainment Status of Project's County or Air Quality Management District

- 2. Is your project's air quality management district or county in non-attainment or maintenance status for any criteria pollutants? Follow the link below to determine compliance status of project county or air quality management district: <u>http://www.epa.gov/oaqps001/greenbk/</u>
  - No, project's county or air quality management district is in attainment status for all criteria pollutants
    - → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.

 Yes, project's management district or county is in non-attainment or maintenance status for one or more criteria pollutants.
 Describe the findings:

 $\rightarrow$  Continue to Question 3.

- 3. Determine the <u>estimated emissions levels of your project for each of those criteria</u> <u>pollutants</u> that are in non-attainment or maintenance status on your project area. Will your project exceed any of the *de minimis or threshold* emissions levels of nonattainment and maintenance level pollutants or exceed the screening levels established by the state or air quality management district?
  - □ No, the project will not exceed *de minimis* or threshold emissions levels or screening levels
    - → Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Explain how you determined that the project would not exceed de minimis or threshold emissions.
  - □ Yes, the project exceeds *de minimis* emissions levels or screening levels.
    - → Continue to Question 4. Explain how you determined that the project would not exceed de minimis or threshold emissions in the Worksheet Summary.
- 4. For the project to be brought into compliance with this section, all adverse impacts must be mitigated. Explain in detail the exact measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

#### Worksheet Summary

#### **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Based on Greenbook mapping, there are no non-attainment or maintenance status areas in Tuscarawas County, Ohio

#### Are formal compliance steps or mitigation required?

□ Yes

oxtimes No

# Farmlands Protection (CEST and EA)

General requirements	Legislation	Regulation	
The Farmland Protection	Farmland Protection Policy	7 CFR Part 658	
Policy Act (FPPA) discourages	Act of 1981 (7 U.S.C. 4201		
federal activities that would	et seq.)		
convert farmland to			
nonagricultural purposes.			
Reference			
https://www.hudexchange.info/environmental-review/farmlands-protection			

- 1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?
  - $\Box$ Yes  $\rightarrow$  Continue to Question 2.
  - ⊠No

# Explain how you determined that agricultural land would not be converted:

Existing land that is within the limits of construction is an existing Village park, within the road Right-of-Way, or property that is currently owned by the Village and is not accessible by large farm equipment on top of a hilltop that is currently lawn.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documentation supporting your determination.

# 2. Does "important farmland," including prime farmland, unique farmland, or farmland of statewide or local importance regulated under the Farmland Protection Policy Act, occur on the project site?

You may use the links below to determine important farmland occurs on the project site:

- Utilize USDA Natural Resources Conservation Service's (NRCS) Web Soil Survey <u>http://websoilsurvey.nrcs.usda.gov/app/HomePage.htm</u>
- Check with your city or county's planning department and ask them to document if the project is on land regulated by the FPPA (zoning important farmland as non-agricultural does not exempt it from FPPA requirements)
- Contact NRCS at the local USDA service center <u>http://offices.sc.egov.usda.gov/locator/app?agency=nrcs</u> or your NRCS state soil scientist <u>http://soils.usda.gov/contact/state\_offices/</u> for assistance
- $\square$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide any documents used to make your determination.
- $\Box$ Yes  $\rightarrow$  Continue to Question 3.

- 3. Consider alternatives to completing the project on important farmland and means of avoiding impacts to important farmland.
  - Complete form AD-1006. "Farmland Conversion Rating" Impact http://www.nrcs.usda.gov/Internet/FSE\_DOCUMENTS/stelprdb1045394.pdf and contact the state soil scientist before sending it to the local NRCS District Conservationist. (NOTE: for corridor type projects, use instead form NRCS-CPA-106, "Farmland Conversion Impact Rating for Corridor Type Projects:

http://www.nrcs.usda.gov/Internet/FSE\_DOCUMENTS/stelprdb1045395.pdf.)

 Work with NRCS to minimize the impact of the project on the protected farmland. When you have finished with your analysis, return a copy of form AD-1006 (or form NRCS-CPA-106 if applicable) to the USDA-NRCS State Soil Scientist or his/her designee informing them of your determination.

# **Document your conclusion:**

 $\Box$  Project will proceed with mitigation.

Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.

□ Project will proceed without mitigation.

Explain why mitigation will not be made here:

→ Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide form AD-1006 and all other documents used to make your determination.

# Worksheet Summary

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

Existing land that is within the limits of construction is an existing Village park, within the road Right-of-Way, or property that is currently owned by the Village and is not accessible by large farm equipment on top of a hilltop and is currently lawn.

# Are formal compliance steps or mitigation required?

□ Yes ⊠ No

# Environmental Justice (CEST and EA)

General requirements	Legislation	Regulation	
Determine if the project	Executive Order 12898		
creates adverse environmental			
impacts upon a low-income or			
minority community. If it			
does, engage the community			
in meaningful participation			
about mitigating the impacts			
or move the project.			
References			
https://www.hudexchange.info/environmental-review/environmental-justice			

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

**1.** Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?

 $\Box$ Yes  $\rightarrow$  Continue to Question 2.

2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?

□Yes

Explain:

 $\rightarrow$  Continue to Question 3. Provide any supporting documentation.

□No

Explain:

 $\rightarrow$  Continue to the Worksheet Summary and provide any supporting documentation.

 $<sup>\</sup>boxtimes$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

3. All adverse impacts should be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

□ Mitigation as follows will be implemented:

 $\rightarrow$  Continue to Question 4.

 $\Box$  No mitigation is necessary.

Explain why mitigation will not be made here:

 $\rightarrow$  Continue to Question 4.

4. Describe how the affected low-income or minority community was engaged or meaningfully involved in the decision on what mitigation actions, if any, will be taken.

 $\rightarrow$  Continue to the Worksheet Summary and provide any supporting documentation.

# Worksheet Summary

# **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

The proposed project

# Are formal compliance steps or mitigation required?

 $\Box$  Yes

🗆 No

# Environmental Justice (CEST and EA)

General requirements	Legislation	Regulation	
Determine if the project	Executive Order 12898		
creates adverse environmental			
impacts upon a low-income or			
minority community. If it			
does, engage the community			
in meaningful participation			
about mitigating the impacts			
or move the project.			
References			
https://www.hudexchange.info/environmental-review/environmental-justice			

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

**1.** Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?

 $\Box$ Yes  $\rightarrow$  Continue to Question 2.

2. Were these adverse environmental impacts disproportionately high for low-income and/or minority communities?

□Yes

Explain:

 $\rightarrow$  Continue to Question 3. Provide any supporting documentation.

□No

Explain:

 $\rightarrow$  Continue to the Worksheet Summary and provide any supporting documentation.

 $<sup>\</sup>boxtimes$  No  $\rightarrow$  Based on the response, the review is in compliance with this section. Continue to the Worksheet Summary below.

3. All adverse impacts should be mitigated. Explain in detail the proposed measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.

□ Mitigation as follows will be implemented:

 $\rightarrow$  Continue to Question 4.

 $\Box$  No mitigation is necessary.

Explain why mitigation will not be made here:

 $\rightarrow$  Continue to Question 4.

4. Describe how the affected low-income or minority community was engaged or meaningfully involved in the decision on what mitigation actions, if any, will be taken.

 $\rightarrow$  Continue to the Worksheet Summary and provide any supporting documentation.

# Worksheet Summary

#### **Compliance Determination**

Provide a clear description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your region

This project improves the water quality for all users by constructing new filters at the water treatment plant, adding a water line loop to remove a dead end line, and increasing the volume of the capacity of the water system with the construction of a larger water storage tank. With the construction of the water storage tank, this will provide an additional 100,000 gallons of water capacity to the distribution system, increasing the ability for the Village to fight fires.

# Are formal compliance steps or mitigation required?

□ Yes ⊠ No