

# **ENVIRONMENTAL REVIEW RECORD**

**CDBG RESIDENTIAL PUBLIC INFRASTRUCTURE**

**GRANT NO. C-W-18-2NS-1**

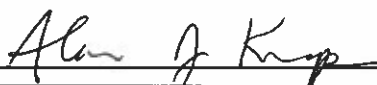


## **VILLAGE OF JEWETT**

**WATER SYSTEM REPLACEMENT PROJECT**

**MAY 3, 2019**

### Environmental Assessment Worksheet

<b>Grantee</b>	Village of Jewett
<b>Grant Number</b>	C-W-18-2NS-1
<b>Activity Name</b>	Water System Replacement Project
<b>Activity Location</b>	Village of Jewett
<b>Activity Description:</b> Replacement of 24,000 linear feet of 6-inch waterline, 3,180 linear feet of 8-inch waterline, 3,000 linear feet of 3/4 inch service lines, five 8-inch gate valves, thirty-five 6-inch gate valves, and 20 fire hydrants in the Village of Jewett.	
<b>Determination:</b> <input checked="" type="checkbox"/> <u>Finding of No Significant Impact (FONSI)</u> , whereby the Responsible Entity may proceed to Dissemination and publication of the FONSI, per regulations found at 24 CFR Section 58.43(a). <input type="checkbox"/> <u>Finding of Significant Impact</u> , whereby the Responsible Entity must proceed to develop an Environmental Impact Statement (EIS) in compliance with 24 CFR Part 58, Subparts F or G.	
<b>Preparer Name:</b> Alan Knapp	
<b>Signature</b> _____ 	<b>Date:</b> 05/03/2019

### List of Attachments

<input checked="" type="checkbox"/> Location Map
<input checked="" type="checkbox"/> Site Photographs
<input checked="" type="checkbox"/> Copies of other Environmental Analyses (if applicable) List: <b>RCAP Environmental Review</b>
<input checked="" type="checkbox"/> Other Relevant Correspondence and Notifications (if applicable) List: <b>Early Floodplain Notice 4/10/2019</b> <b>Notice of Explanation 4/27/2019</b> <b>August 22, 2018 Letter from the US Army Corps of Engineers</b> <b>March 8, 2019 E-mail from US Fish and Wildlife Service</b> <b>March 12, 2019 E-mail from the Ohio Environmental Protection Agency</b> <b>March 27, 2019 Letter from Ohio Historic Preservation Office</b> <b>April 12, 2019 Letter from Ohio Department of Natural Resources</b> <b>April 26, 2019 Floodplain Permit from Harrison County Engineer</b>
<input checked="" type="checkbox"/> Statutory Checklist Supporting Documentation
<input checked="" type="checkbox"/> Environmental Assessment Checklist Supporting Documentation
<input checked="" type="checkbox"/> Combined Notice: Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI/RROF) Date: <b>5/6/2019</b>
<input checked="" type="checkbox"/> Request for Release of Funds (RROF) Date: <b>5/22/2019</b>
<input type="checkbox"/> Release of Funds (ROF) Date: <b>          </b>
<input checked="" type="checkbox"/> Additional Documentation Describe: <b>RCAP Environmental Review</b>



**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
<p><b>Historic Preservation</b></p> <p>Resources:  <a href="#">State Historic Preservation Office</a>  <a href="#">HUD Historic Preservation</a></p>	<p><b>Yes</b></p>	<p>Attached is the Section 106 Review Project Summary Form sent to the State Historic Preservation Office on February 25, 2019, and the March 27, 2019 response received from the State Historic Preservation Office. The project will not adversely affect any historical buildings, structures or objects. If the project scope changes or archaeological remains are discovered during construction, OHPO will be notified.</p>
<p><b>Floodplain Management</b></p> <p>Resources:  <a href="#">Floodplain Maps</a>  <a href="#">Floodplain Administrators</a>  <a href="#">HUD Floodplain Management</a></p>	<p><b>Yes</b></p>	<p>The project does involve replacing waterline in some floodplain areas in the Village of Jewett. There are several stream crossings which will be directionally bored to minimize disturbance to the floodplain. Attached is a Floodplain Permit from the Harrison County Floodplain Administrator.</p>
<p><b>Wetland Protection</b></p> <p>Resources:  <a href="#">NRCS Web Soil Survey</a>  <a href="#">National Wetlands Inventory</a>  <a href="#">Ohio EPA Division of Surface Water</a>  <a href="#">US Army Corps of Engineers Regulatory (Permits)</a>  <a href="#">HUD Wetlands Protection</a></p>	<p><b>Yes</b></p>	<p>Attached is a National Wetlands Inventory Map for the Village of Jewett. The attached August 22, 2018 letter from the US Army Corps of Engineers states that no permits will be required for potential impacts on Wetlands or Stream Crossings.</p>
<p><b>Coastal Zone Management</b></p> <p>Resources:</p>	<p><b>No</b></p>	<p>Attached is a map Showing Coastal Zones in Ohio. The Village of Jewett in Harrison County, Ohio is not located near any coastal zone, which are located to the north along Lake Erie.</p>

**Statutory Checklist**

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<a href="#">Ohio Office of Coastal Management</a> <a href="#">Ohio Coastal Atlas Map Viewer</a> <a href="#">HUD Coastal Zone Management</a>		
<p align="center"><b>Sole Source Aquifers</b></p> Resources: <a href="#">Ohio EPA Sole Source Aquifers in Ohio</a> <a href="#">HUD Sole Source Aquifers</a>	<p align="center"><b>No</b></p>	<p>Attached is a Map of Sole Source Aquifers in Ohio. There are no sole source aquifers located near to the project in Jewett.</p>
<p align="center"><b>Endangered Species</b></p> Resources: <a href="#">US Fish &amp; Wildlife Service Section 7 information</a> <a href="#">Endangered Species in Ohio</a> <a href="#">Ohio Natural Heritage Database</a> <a href="#">HUD Endangered Species</a>	<p align="center"><b>Yes</b></p>	<p>Attached is an e-mail from the US Fish and Wildlife Service on March 8, 2019, providing comments on potential impacts. The project engineer indicates that it is not expected that any trees will be removed, since this is mainly a waterline replacement project in the public right of way. However, there are some proposed easements outside of the public rights of way, so there is a mitigation measure in the specifications to instruct the contractor to only remove trees, if needed, between October 1 and March 31 to not disturb potential Indiana Bat or Northern Long-Eared Bat habitats. According to the attached April 12, 2019 letter from the Ohio Department of Natural Resources, the project is also within the range of the Upland Sandpiper, a state endangered bird. If the project impacts the Upland Sandpiper's habitat, grasslands, hayfields and pastures, then construction should be avoided during the bird's nesting period in those areas from April 15 to July 31.</p>
<p align="center"><b>Wild and Scenic Rivers</b></p> Resources: <a href="#">ODNR Scenic Rivers</a> <a href="#">HUD Wild and Scenic Rivers</a>	<p align="center"><b>No</b></p>	<p>Attached is a map showing scenic rivers in Ohio. There are no scenic rivers near the project site.</p>
<p align="center"><b>Air Quality</b></p> Resources: <a href="#">Ohio EPA Asbestos Program</a> <a href="#">Ohio EPA Notification of Demolition and Renovation</a> <a href="#">HUD Air Quality</a>	<p align="center"><b>No</b></p>	<p>Attached is the Ohio EPA Current Air Quality Map and a Map of Ozone 8-hour Attainment (2015 Standard). There are no areas of non-attainment located near the project site.</p>

**Statutory Checklist**

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p align="center"><b>Farmland Protection</b></p> <p>Resources:  <a href="#">NRCS Farmland Protection Policy Act</a>  <a href="#">HUD Farmlands Protection</a></p>	<b>No</b>	<p>There are no farmlands located in the project site, which is entirely within the corporation limits of the Village of Jewett. No farmland will be converted to other uses.</p>
<p align="center"><b>Noise Abatement and Control</b></p> <p>Resources:  <a href="#">HUD Noise Abatement and Control</a>  <a href="#">HUD Noise Guidebook</a>  <a href="#">HUD Day/Night Noise Level Electronic Assessment Tool</a>  <a href="#">HUD Sound Transmission Classification Assessment Tool</a>  <a href="#">ODOT Traffic Count Data</a>  <a href="#">Ohio Airport Information</a>  <a href="#">Airport Master Records and Reports</a>  <a href="#">PUCO/ORDC Railroad Information System</a>  <a href="#">Federal Railroad Administration Query by Location tool</a></p>	<b>No</b>	<p>There will be noise associated with the construction of this project, but it will not exceed acceptable decibel levels per HUD Noise Abatement and Control standards. Construction work will only take place during daylight hours.</p>
<p align="center"><b>Airport Clear Zones and Accident Potential Zones</b></p> <p>Resources:  <a href="#">Ohio Airport Information</a>  <a href="#">HUD Airport Hazards</a>  <a href="#">Airport Master Records and Reports</a></p>	<b>No</b>	<p>There are no airports located near the project site. The closest airports to Jewett are the Harrison County Airport, located about nine miles to the south near the Village of Cadiz, the Jefferson County Airpark, located about 15 miles to the east near Steubenville, and the Tolson Airport in Carroll County located about 16 miles north near Carrollton. Attached are maps of the airport locations.</p>
<p align="center"><b>Explosive and Flammable Operations</b></p> <p>Resources:  <a href="#">HUD Explosive and Flammable Facilities</a>  <a href="#">US EPA NEPAassist</a>  <a href="#">US EPA Envirofacts</a>  <a href="#">HUD Choosing an Environmentally Safe Site</a>  <a href="#">Acceptable Separation Distance Calculator</a>  <a href="#">Acceptable Separation Distance Guidebook</a></p>	<b>No</b>	<p>This project does not involve the use of explosives, hazardous chemicals or materials or flammable materials.</p>

**Statutory Checklist**

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p align="center"><b>Site Contamination</b></p> <p>Resources:  <a href="#">HUD Site Contamination</a>  <a href="#">US EPA NEPAassist</a>  <a href="#">US EPA Envirofacts</a>  <a href="#">Ohio Tank Tracking &amp; Environmental Regulations</a>  <a href="#">HUD Choosing an Environmentally Safe Site</a></p>	<p align="center"><b>No</b></p>	<p>Attached are NEPAassist Maps. The closest Hazardous Waste sites are located eight miles from the project site. The closest Air Pollution Sites are located about two miles away. The closest Wastewater Discharge is located just to the west of the project site at the Jewett WWTP facility. The closest Toxic Releases Sites are about six miles away. The closest Superfund Sites are located about twenty miles away. The closest Brownfield Site is located 15 miles away. The closest Toxic Substances Site is located about five miles away at the Mark West Natural Gas Fractionation Facility near Hopedale.</p>
<p align="center"><b>Environmental Justice</b></p> <p>Resources:  <a href="#">HUD Environmental Justice</a>  <a href="#">US EPA Environmental Justice</a>  <a href="#">US EPA EJSCREEN</a></p>	<p align="center"><b>No</b></p>	<p>The project qualifies for CDBG assistance because 65.47% of the Village residents are low and moderate income based on the 2010 American Community Survey. The project is intended to serve a predominantly lower income population to improve their drinking water distribution system by providing grant assistance that will not have to be repaid through future increases to the water and sewer rates that the residents are now paying.</p>



**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 [Environmental Assessment Factors Guidance](#).

**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	<b>Potentially Beneficial</b>	<b>This project involves the replacement of an aging water distribution system in the Village of Jewett. The project will benefit the residents by improving the health and safety of the residents and by preventing future waterline breaks.</b>
Soil Suitability / Slope / Erosion / Drainage / Storm Water Runoff	<b>No Impact Anticipated</b>	<b>The project mainly involves the replacement of existing waterlines in the Village of Jewett. Specifications will instruct the contractor on appropriate mitigation measures to prevent short or long term adverse consequences to environment.</b>
Hazards and Nuisances Including Site Safety and Noise	<b>No Impact Anticipated</b>	<b>There will be short term inconveniences related to closing roads or shutting off water during construction. However, the project needs to be constructed, and all construction will take place during daylight hours to prevent other disturbances.</b>
Energy Consumption	<b>No Impact Anticipated</b>	<b>This project is not expected to affect energy consumption in a significant way.</b>



**Environmental Assessment Checklist**

<b>Socioeconomic</b>		
<b>Impact Category</b>	<b>Impact Code</b>	<b>Explanation and List of Source Documentation</b>
Employment and Income Patterns	<b>Potentially Beneficial</b>	The replacement of the water sytem will also benefit businesses in Jewett and could possibly lead to new economic development opportunities based on the improvements to the Village's public infrastructure system.
Demographic Character Changes, Displacement	<b>No Impact Anticipated</b>	The project is not expected to affect the demographic character of residents. It is possible that new housing units could be constructed in the village, but population projections for Harrison County show a downward trend.

<b>Community Facilities and Services</b>		
<b>Impact Category</b>	<b>Impact Code</b>	<b>Explanation and List of Source Documentation</b>
Educational and Cultural Facilities	<b>No Impact Anticipated</b>	There are no schools or major cultural facilities located in the Village of Jewett, so there will be no impact on educational or cultural facilities. The former high school is now a Community Center, and will benefit from the improvements.
Commercial Facilities	<b>Potentially Beneficial</b>	There are about a dozen businesses in the Village of Jewett which will benefit from the water system improvements, by having a steady source of potable water for drinking and other purposes.
Health Care and Social Services	<b>Potentially Beneficial</b>	The water system replacement project will prevent future waterline breaks that have the potential to cause bacterial contamination in the water system. The Ohio EPA has issued Notices of Violation to the Village realted to these issues.
Solid Waste Disposal / Recycling	<b>No Impact Anticipated</b>	This project will have no impact on solid waste disposal or recycling in the village of Jewett.
Waste Water / Sanitary Sewers	<b>Potentially Beneficial</b>	Water from the Village's water system is is used at the Wastewater Treatment Plant and in homes and businesses to flush sanitary wastes into the sewers. The prevention of future waterline breaks will mean fewer interruptions in service.
Water Supply	<b>Potentially Beneficial</b>	This project is intended to improve the potable water supply and delivery of that water supply to residents and businesses in the Village. Also, the prevention of future waterline breaks will prevent loss of water from the water supply.

**Environmental Assessment Checklist**

<b>Community Facilities and Services</b>		
<b>Impact Category</b>	<b>Impact Code</b>	<b>Explanation and List of Source Documentation</b>
Public Safety – Police, Fire and Emergency Medical	<b>Potentially Beneficial</b>	The improvements to the water system will improve the health and safety for Village residents, businesses and public services. The prevention of waterline breaks and new fire hydrants will ensure adequate water for fire protection.
Parks, Open Space and Recreation	<b>Potentially Beneficial</b>	Recreation facilities in Jewett include the Conotton Creek Trail and the Jewett Wildcat Community Center. The water system improvements proposed in this project will definitely be a benefit to those facilities and their users.
Transportation and Accessibility	<b>No Impact Anticipated</b>	There may be some short term interruptions in traffic flow due to the need to close or restrict streets during construction. However, detours will be posted, and any inconvenience will be temporary.

<b>Natural Features</b>		
<b>Impact Category</b>	<b>Impact Code</b>	<b>Explanation and List of Source Documentation</b>
Unique Natural Features, Water Resources	<b>No Impact Anticipated</b>	The US Army Corps of Engineers has been contacted related to the proposed stream crossing of Conotton Creek and has stated that no permits would be required.
Vegetation and Wildlife	<b>Requires Mitigation</b>	The project involves replacement of waterlines in public rights of way, and no tree removal is anticipated. If trees are to be removed, specifications require that trees be removed between October 1 and March 31 to not disturb the habitat of the Indiana Bat or the Northern Long-Eared Bat. If trees cannot be removed during this period, then ODNR recommends a net survey be conducted between June 1 and August 15, prior to any cutting.
Other Factors	<b>No Impact Anticipated</b>	The project is not expected to have any major adverse impacts on the environment in the Village of Jewett.

### 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 [HUD Exchange](#)) **(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 [coastal barrier resource area](#)?

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 [Flood Insurance Rate Map \(FIRM\)](#)**

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 Environmental Review Record was prepared by the Ohio Mid-Eastern Governments Association (OMEGA) on behalf of the Village of Jewett. The Village of Jewett is the CDBG grantee and the Responsible Entity. Dwight Busby is the Certifying Officer as Mayor of Jewett. The Environmental Review record is available for public viewing at the Jewett Municipal Building, 110 West Main Street, Jewett, Ohio 43986, and also at OMEGA, 326 Highland Avenue, Lower Level, Cambridge, Ohio 43725. Comment periods are as follows:**

<b>Early Floodplain Notice</b>	<b>April 12 to April 26, 2019</b>
<b>Notice of Explanation</b>	<b>April 28 to May 4, 2019</b>
<b>Combined Notice</b>	<b>May 7 to 21, 2019 (Local Comment Period)</b>
<b>Combined Notice</b>	<b>May 28 to June 12, 2019 (State Comment Period)</b>

## 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.

**The Village of Jewett is a small community of 692 residents located in northeastern Harrison County. The county is very rural with a population of only 15,864 in 2010. The county is mostly wooded, with hilly terrain and three large water reservoirs. Jewett is one of several villages scattered across the county. It is more densely settled than surrounding townships, and has its own water and wastewater systems. This project is intended to entirely replace the water system, which was constructed nearly 100 years ago. The aging water system is prone to waterline breaks. The project will improve the health and safety of Village residents. With or without the project, there will be little population or business growth in the near future.**

## Analysis of Alternatives

**Instructions:**

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

The alternatives that were considered by the project engineer include a more limited waterline replacement project, hauling in water by truck, drilling individual water wells, and the no action alternative. The limited waterline replacement project would cost less, but would not solve the problem with the waterline breaks. Hauling in water is not feasible as a sustainable method of providing potable water for residents. The engineer did not even estimate a cost for drilling over 200 new water wells on private property to serve residents and businesses, but this would be very expensive and problematic. The no action alternative is not feasible because of the threat to the health and safety of Village residents due to the frequent waterline breaks.

## 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.

**No major impacts on the environment have been identified through the Environmental Review Process. The project does not threaten any historical or archaeological resources. If the scope of the project changes or archaeological remains are discovered during construction, OHPO will be notified. The project will improve the quality and quantity of drinking water in the village. The only wildlife that would potentially be affected are Indiana Bats, Northern Long-Eared Bats and the Upland Sandpiper. Mitigation measures for the bats involve cutting down trees if necessary only between October 1 and March 31 in order to not disturb their habitat. If trees must be cut down during that period, ODNR recommends a net survey prior to any cutting. If construction is to occur in grasslands, hayfields or pastures, ODNR recommends avoiding construction in such areas from April 15 to July 31, which is the Upland Sandpiper's nesting period.**

### Monitoring and Enforcement Procedures

**Instructions:**

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

**Comments from state and federal agencies are being forwarded to the project engineer for inclusion in bidding, pre-construction and contract documents. The topics will be discussed at the pre-construction conference, and the project engineer and project administrator will monitor compliance with any mitigation measures recommended.**



### List of Sources, Agencies, and Persons Consulted

<b>State Historic Preservation Office</b>
<b>US Army Corps of Engineers</b>
<b>US Fish and Wildlife Service</b>
<b>Ohio Department of Natural Resources</b>
<b>Ohio Environmental Protection Agency</b>
<b>Harrison County Engineers Office</b>
<b>Ohio RCAP</b>

### List of Site Visits and Important Meetings

Date	Participants	Description
10/24/2018	See List	CDBG Public Hearing No. 1
12/19/2018	See List	CDBG Public Hearing No. 2
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
[Redacted]	[Redacted]	[Redacted]
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[Redacted]	[Redacted]	[Redacted]
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ATTENDANCE LIST

PUBLIC HEARING # 1

WATER LINE REPLACEMENT PROJECT, VILLAGE OF JEWETT

OCTOBER 24, 2018, 6:00 pm

NAME	ADDRESS	PHONE NO.	E-MAIL ADDRESS
Tamara L. Dray	510 East Main St Jewett	740-946-7941	tdray@frontier.com
Christina Busby	404 West Main St.	740-946-5061	dwightbusby619@gmail.com
George Bo Baillie	302 State Ave Addition	740-346-7024	mbog@Frontier.com
Kennedy Horn	201 Jefferson Ave.	740/946-4075	
Dennis Hirschbach	106 w water	740-9462511	
Shonda Lopez	22 E Dixie	740-946-2181	yourtabul@Frontier.com
Bill Ollie	25 Hillcrest Ave. CH45712	740-989-3034	bill@elrobison.com
Shonda Ollie	110 E Main	946-1471	yourtabul@Frontier.com
PANDRA	510 E Main		
Ruth Blackburn	317 W Kirk St	740-946-4439	ruthanddon05@Frontier.com
Dwight Busby	404 W. Main St.	740-381-1810	dwight_bussy_619@Frontier.com



ATTENDANCE LIST

PUBLIC HEARING # 2

WATER LINE REPLACEMENT PROJECT, VILLAGE OF JEWETT  
 DECEMBER 19, 2018, 6:00 pm

NAME	ADDRESS	PHONE NO.	E-MAIL ADDRESS
Randy + Mary Jo Butlers	506 E. Main	740-946-1017	mjdred@twc.com
<del>Mary Duvick Bueky</del>	404 W. Main	740-946-5061	
Mary Jo + Hank's	301 E High St.	740 219 7233	Mesley Hank's 71@gmail.com
Brian Fursto	318 S. Cedar St	946 0137	Jfursto@Frontier.com
Phyllis + Maria	Water Level		frontwaterlevel@gmail.com
<del>George Bailie</del>	302 Stillwater Blvd.	740-946-5029	
Janara Dray	510 East Main St	740-940-7941	attdray@frontier.com
Katy Jones	P.O. Box 175 <del>Texas</del>	740-946-3323	
Chris Bueky	P.O. Box 242	740-946-5061	
<del>Dennis + Anna Harts</del>	Box 201 106 W Water	740-946-2511	
Anna Ceder	Box 19 109 E. High St	740-946-2181	
Charlie Harris	P.O. Box 302 Sewaton	740 946 2795	Sewettwaterdept@gmail.com
Alan Knapp	OMEGA 326 Highland, Cambridge, Oh	740-439-4471	alan.k@omegadistrict.org



ATTENDANCE LIST

PUBLIC HEARING # 2

WATER LINE REPLACEMENT PROJECT, VILLAGE OF JEWETT

DECEMBER 19, 2018, 6:00 pm

NAME	ADDRESS	PHONE NO.	E-MAIL ADDRESS
Dan DRAV	510 East Main	740-946-7841	
Ajuna Akys	231 E Main Exeter	740 942 1313	
Jeannette Wersbicki	326 Highland Ave Cambridge	740 439 4471	jeannette@omegadistrict.org





### Participants in the Review

Name	Title	Organization
Alan Knapp	ARC Program Manager	OMEGA
Jeannette Wierzbicki	Executive Director	OMEGA
Dwight Busby	Mayor	Village of Jewett
Linda Ager	Fiscal Officer	Village of Jewett
Charlie Harris	Superintendent	Village of Jewett
Bob Allen	Infrastructure Business Manager	E.L. Robinson
Jack Ramsey	Project Manager	E.L. Robinson

# **ATTACHMENT A**

## **SECTION 106 REVIEW**

### **STATE HISTORIC PRESERVATION OFFICE COORDINATION**





In reply refer to:  
2019-HAS-44252

March 27, 2019

Alan J. Knapp, ARC Program Manager  
OMEGA  
326 Highland Avenue, Suite B  
Cambridge, OH 43735  
Email: [alank@omegadistrict.org](mailto:alank@omegadistrict.org)

RE: Section 106 Review, Village of Jewett Water System Replacement Project-CDBG Residential Public Infrastructure Grant (RPIG)

Dear Program Manager Knapp,

This letter is in response to your correspondence, received March 1, 2019, regarding the above-referenced project in the Village of Jewett, Harrison County, Ohio. The comments of the State Historic Preservation Office are made in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended, and the associated regulations at 36 CFR Part 800.

This proposed project involves a complete replacement of the water system including 24,000 linear feet of 6-inch waterline, 3,180 linear feet of 8-inch waterline, 3,000 linear feet of ¾ inch service lines, five 8-inch gate valves, thirty-five 6-inch gate valves, and 20 fire hydrants. The majority of construction will occur within public right-of-way where existing waterlines are now located. Previous land use for the locations where waterlines are being replaced are predominantly within existing road right-of-way and past disturbances include road, waterline, and sanitary sewer construction. The locations of proposed easements for construction are primarily located close to existing roadways although some cross private properties including front, back, or side yards of residential or commercial properties within the village.

This project involves the construction of new waterlines in three locations near previously-documented historic structures: 1) There is a proposed easement for a stream crossing that will go around the Citizens Savings Bank at 318 East Main St. 2) To the west of the Citizens Savings Bank along the south side of East Main St. is another proposed stream crossing, service lines, and meter pits that will require easements at the rear of several properties that front on to East Main Street; and 3) Across the street from this block on East Main Street there is another proposed easement for new waterline construction that runs north from East Main St. to the public right-of-way where waterlines are to be replaced. This last easement will run between two buildings across a parcel where a previously documented historic house once stood but has since been demolished.

Alan J. Knapp, ARC Program Manager

March 26, 2019

Page 2

Based on the information provided, it is the opinion of my colleague, Nancy Campbell that no historic buildings, structures, objects, or historic districts will be adversely affected by this project. Furthermore, since all areas of planned ground disturbance show clear signs of previous disturbances such as above and below-ground utilities, and/or previous roadway construction, there is very little potential to adversely affect any significant archaeological deposits. Therefore, it is my opinion that this project will not affect historic properties and no further coordination is required for this project unless the scope of work changes or archaeological remains are discovered during the course of project development or construction.

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 concerning this review, please contact me at 614-298-2049 or by email at [jschweikart@ohiohistory.org](mailto:jschweikart@ohiohistory.org)

Sincerely,

A handwritten signature in black ink, appearing to read "John F. Schweikart".

John F. Schweikart, Archaeology CBDB Reviews Manager  
State Historic Preservation Office



February 25, 2019

State Historic Preservation Office  
Resource Protection and Review Department  
300 East 17<sup>th</sup> Avenue  
Columbus, Ohio 43211-2474

Re: Section 106 Review  
Village of Jewett Water System Replacement Project

Enclosed is a Section 106 Review – Project Summary Form for the Village of Jewett Water System Replacement Project. This project will be funded in part through a CDBG Residential Public Infrastructure Grant (RPIG), which are federal funds administered through the Ohio Development Services Agency (ODSA). The Ohio Mid-Eastern Governments Association (OMEGA) is assisting the Village with administration of this grant project and is preparing an Environmental Review Record that will be required to request environmental clearance for this project.

Based on our review of this project, OMEGA is proposing to make a Finding of No Significant Impact on the Environment for this project. The project involves the replacement of 27,180 linear feet of waterlines and related facilities in the Village located mainly in the public rights of way. There are 28 easements proposed for locations where waterlines or service lines will be replaced or constructed that are on private property. However, most of these areas have previous ground disturbance, and no adverse impacts on nearby land uses are expected, including the identified 37 historic or potentially historic structures in the Village of Jewett. Since most of the project will take place in previously disturbed areas, there should be no adverse impacts on potential archaeological resources in the Village.

OMEGA is requesting your review of the enclosed Project Summary Form and attachments. We have included a topographic map showing the location of the waterlines to be replaced and the proposed easements, and maps and descriptions of the easements. Also attached is a map showing the location of the 37 historic or potentially historic structures in the Village, and photographs of the historic structures located near the Area of Potential Effects. Two of the historic structures on the map have been demolished and therefore will not be affected by the waterline replacement project.

We appreciate your assistance with this review. If you have any questions or require additional information, please contact me at 740-439-4471, extension 211, or by e-mail at [alank@omegadistrict.org](mailto:alank@omegadistrict.org).

Respectfully,

Alan J. Knapp  
ARC Program Manager

326 Highland Avenue, Suite B, Cambridge, OH 43725  
740-439-4471 1-800-726-6342 FAX: 740-439-7783  
HOMEPAGE: [www.omegadistrict.org](http://www.omegadistrict.org)

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**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. DO NOT USE THIS FORM.**

**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: **2/25/2019**

Name/Affiliation of person submitting form: **Alan Knapp– Ohio Mid-Eastern Governments Association**

Mailing Address: **326 Highland Avenue, Suite B, Cambridge, OH 43725**

Phone/Fax/Email: **Ph: (740) 439-4471, ext. 211, Fax: (740) 439-7783, alank@omegadistrict.org**

**A. Project Info:**

1. This Form provides information about:

New Project Submittal:

**YES NO**

Additional information relating to previously submitted project:

YES **NO**

OHPO/RPR Serial Number from previous submission: **N/A**

2. Project Name (if applicable):

**Village of Jewett Water System Replacement Project**

3. Internal tracking or reference number used by Federal Agency, consultant, and/or applicant to identify this project (if applicable): **N/A**

B. Project Address or vicinity: **Village of Jewett, 110 West Main Street, Jewett, Ohio 43986**

C. City/Township: **Village of Jewett**

D. County: **Harrison**

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.*

**Housing and Urban Development - HUD**

F. Type of Federal Assistance. *List all known federal sources of federal funding, approvals, and permits to avoid repeated reviews.*

**CDBG Residential Public Infrastructure Grant**

G. State Agency and Contact Person (if applicable):

**ODSA Office of Community Development, Mary Oakley, 614-644-9226**

H. Type of State Assistance: **CDBG funding is federal money administered by the state. State assistance is administrative only.**

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 no 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):

**Two public hearings have been held by the Village of Jewett as part of the grant application process. The project and the Environmental Review Process were described, and there were no concerns expressed about potential impacts to historic properties. A Notice of Intent to Request a**

**Release of Funds will be published after the Environmental Review is completed, and the public will again have the opportunity to comment on potential impacts to historic properties at that time.**

- 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:

**This project involves the replacement of the water system located in public rights of way in the Village of Byesville. Due to the need for several easements, the Village is contacting the owners of properties where easements are proposed. The Village will contact other local, state and federal agencies for the Environmental Review Record including the US Army Corps of Engineers, US Fish and Wildlife, Ohio Department of Natural Resources, the Harrison County Soil and Water Conservation District, the Ohio Environmental Protection Agency and the Federal Emergency Management Agency.**

## **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

**Project site is the Village of Jewett in Harrison County. Jewett is located in northeastern Harrison County, which is located in the southeastern area of Ohio. Jewett is a small community, located north of the Village of Cadiz, the county seat, and bordered by wooded areas and hilly terrain.**

**This project is needed due to numerous waterline breaks in the Village. The water system, serving all of the Village's residents and businesses, was constructed nearly one hundred years ago, and is deteriorating and functionally obsolete. The project involves the complete replacement of the water system, including 24,000 linear feet of 6-inch waterline, 3,180 linear feet of 8-inch waterline, 3,000 linear feet of ¾ inch service lines, five 8-inch gate valves, thirty five 6-inch gate valves, and 20 fire hydrants.**

**Since this is a replacement project, the Area of Potential Effect will be minimal. There are several easements that will be required for the project, but the majority of the construction will occur in public rights of way where existing waterlines are now located. Maps showing the locations of the waterlines to be replaced and proposed easements are attached for review.**

**Although there are a few historic structures in Jewett, none of them will be affected adversely by the replacement of the water system located in public rights of way. Replacement of waterlines will only take place in those areas already disturbed by urban land uses and current public infrastructure facilities. Construction of new waterlines in some of the easement areas will not adversely affect any structures, including historic or potentially historic structures. The waterline replacement project is intended to have a beneficial impact on all residents, businesses and buildings in the Village.**

**According to the Ohio Historic Preservation mapping system, there are thirty-seven historic or potentially historic structures located in the project area (see map):**

Ja-Lins	106 East Main Street
H&B Music	112 East Main Street
Former Bank	SW Corner of East Main Street and Cadiz Street
House	SE Corner of East Main Street and Cadiz Street
House	South Side of East Main Street near Cadiz Street
House	South Side of East Main Street west of Conotton Creek
Wilson's Bargain Outlet	101 East Main Street
House	East Main Street (across from H&B Music)
St. James Lutheran Church	203 East Main Street
Kralik House	209 East Main Street
Couch House	200 Block of East Main Street (north side)
Tullis House	200 Block of East Main Street (north side)
House	East Main Street (south side west of Cross Street)
House	East Main Street (south side east of Cross Street)
Queen Anne Style House	West Main Street near Rumley
Jewett Wildcat Center	117 West Main Street
Smythe House	West Main Street (south side)
Knoops House	West Main Street (south side)
House	West Main Street (south side)
Cale House	West Main Street near Carrollton Street
Marker House	West Main Street (north side across from JWC)
Jewett Methodist Church	202 West Main Street
House	West Main Street (north side near Rumley)
House	West Main Street (north side near Carrollton Street)
United Presbyterian Church	West Main Street (north side)
House	Water Street near Center Street
House	East High Street (south side near Lenter)
Dunlap House	East High Street (south side)
Kerwood House	East High Street (north side)
Queen Anne Style House	East High Street (north side)
Pasquale House	East High Street (north side west of Cross Street)
Thompson House	West High Street (SW Corner at Rumley – Queen Anne)
Wilson House	West High Street (south side near Carrollton Street)
Birney House	West High Street (SE corner at Carrollton Street)
Old Simmons Mill	West High Street (SE corner at Rumley)
House	Lake Street (south side near Center Street)
Mehollin House	Cadiz Street (east side south of Lake Street)

Two of the Historic Structures on the Map have been demolished, including one on Cadiz Street near Water Street, and one on the north side of the 200 Block of East Main Street. None of these properties will be adversely affected by the project.

*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:

**The project involves the replacement of 24,000 linear feet of 6" waterlines and 3,180 linear feet of 8" waterlines, in addition to 3,000 linear feet of ¾ inch service lines, five 8" valves, thirty-five 6" valves and 25 fire hydrants. Most of the work will be done in the road rights of way where the existing lines are currently located. Some construction work will involve new waterlines outside of road rights of way. A description of the proposed easements is attached. According to engineering drawings, the typical waterline trench will need to be dug at least two feet wide plus the diameter of the pipe, or about two and one half feet. The existing waterlines are found about three or four feet underground, so the trenches will need to be dug at least four feet deep to replace them. Trenches for the services lines will not be as wide or deep, but trenches for railroad crossings may be wider and deeper. The proposed stream crossing will be directionally bored, with the waterline to be replaced being four feet under the creek bed.**

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

**The previous land use for the locations where waterlines are being replaced is predominantly road rights of way, and the past ground disturbances included road, waterline and sanitary sewer construction. Most of the surrounding land uses are single family houses and non-residential uses such as stores and churches. The proposed easements where new construction will occur are mostly located close to the roadways in the Village, although some will cross private property (front, back or side yards of residential or commercial properties). There was ground disturbance in most of those areas previously related to the existing waterlines and service lines.**

3. Narrative description of current land use and conditions:

**According to the Village of Jewett, there are 257 residential connections and 14 commercial connections to the water system. There are no industrial land uses in the Village. The 14 commercial connections include mostly business establishments and a few churches. These are mainly located along East and West Main Street in the Village. There are also some residential land uses located along East and West Main Street, but most of the houses are located on the side streets in the Village.**

4. Does the landowner know of any archaeological resources found on the property?  
YES **NO** If yes, please describe:

**The Village is not aware of any archaeological resources in the project area.**

- 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: **Scio USGS Quadrangle Map**

Township/City/Village Name: **Village of Jewett**

- 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:

**Attached**

- 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:

**The Area of Potential Effects will be limited to areas where easements are required, since most of the waterline replacement activity will take place within the road rights of way. Based on preliminary engineering, it was determined that easements will be needed to construct new waterlines beyond the road rights of way to complete this project. Attached are descriptions and maps of the proposed easement areas. Some are located in close proximity to the road rights of way and others cross yards on residential or commercial properties.**

- 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:

**The proposed project involves the replacement of the village's water lines and related components, including service lines, meters, gate valves and fire hydrants. Existing water lines will be replaced with approximately 3,180 linear feet of 8" PVC water line, and 24,000 linear feet of 6" PVC water line. Plans for the project also call for 3,000 linear feet of new 3/4" service lines from the main line to the curb stop. In addition, gate valves will need to be replaced, including five 8" gate valves, and thirty-five 6" gate valves. Twenty-five hydrants in the water system are proposed for replacement. Service lines will need to be reconnected following construction, and new radio read meters will be installed. The project also includes the restoration of pavement on the village's roadways following the installation of the new distribution system.**

**There have been numerous water line breaks in the village, including 35 in the last nine years. The most recent waterline break occurred on December 9, 2018, prompting a Boil Water Alert, and a notification to the Ohio EPA that the Village had to depressurize the water system. The waterline breaks pose a health hazard for village residents, loss of water from the system, interruptions in service, and financial issues for the village to repair them. Many valves do not function and are no longer operable leading to widespread service interruption while repairs are completed. Earlier this**

year, the entire Village was without water for four hours for a line repair as the system could not be isolated.

The aged water lines are between 50 and 100 years old and are beyond their useful life. The waterlines rupture on a regular basis, increasing the likelihood of bacterial contamination from de-pressurization of the lines. The village had 62% unaccounted water loss in 2017, due to breaks or leaks in the waterlines, faulty meters or related causes. The Ohio EPA considers unaccounted water loss of over 15% to be unacceptable. In summary the water distribution system is functionally obsolete. The village is aware of several waterlines in the system that are 4 inch or less and plans to replace these undersized lines. There is one ¾-inch water line serving four structures. The meters in use currently are aged and are reading slow. The entire distribution system is beyond its useful life and needs to be replaced.

The proposed waterline replacement project is the second phase of a planned three phase program to improve the village's water system. In 2017, a 150,000-gallon glass lined steel water tank was constructed west of the village's water treatment plant. The proposed waterline project will replace deteriorating waterlines located in public rights of way in the village. The third phase of the project will involve improvements to the village's water treatment plant, including a permanganate injection system, new valves, piping, filters and related components.

The Village of Jewett Water System currently serves 271 customers (257 residential and 14 non-residential). The 2010 US Census found 692 residents in the village, who will be served by this project.

The Village currently operates approximately five miles of waterlines, consisting of ¾", 2", 4", 6" and 8" diameter water lines. Existing lines include cast iron, ductile iron, asbestos concrete and PVC. Much of the distribution system was installed around 1920, with some later extensions taking place around 1970. The village has reported numerous waterline breaks, and that most of the water valves have failed, making it difficult to repair waterline breaks when they occur. Boil alerts have been issued to local residents and businesses while waterlines are being repaired. Additional line replacement occurred in the 1930s. The village has replaced old wooden lines, some of which are on display in the local museum. Water loss from the system, including waterline breaks, has been increasing in recent years. The Ohio Environmental Protection Agency has recommended that the water losses be reduced to an acceptable level of 15% or less.

The estimated total cost of the Waterline Replacement Project is \$3,660,000. Most of the construction will involve replacement of existing waterlines in the public rights of way. There are some easements required where new waterlines will be constructed on private property. These areas may not have been previously excavated and are considered to be the Area of Potential Effects (APE). Attached is information on the location of these easements. The project engineer has reviewed alternatives, which include a more limited waterline replacement project, trucking in hauled water or drilling individual water wells for each residence or business. After review, none of these alternatives are recommended for implementation, and the preferred alternative is to completely replace the water system.

### **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.

**This project will involve the construction of new waterlines in three locations that are near to historic structures. There is a proposed easement for a stream crossing that will go around the Citizens Savings Bank at 318 East Main Street, and another easement on a commercial property to the west. In between these easements for new waterline construction is a structure on the south side of East Main Street (west of Cross Street) that has been designated as a historic structure. The easement and new construction will not affect that property.**

**To the west of this site, also along the south side of East Main Street, there is a stream crossing, service lines and meter pits that require easements at the rear of several properties that front on East Main Street. The waterline replacement will take place in a public right of way owned by the Village of Jewett between properties fronting on East Main Street and Water Street. However, easements are proposed on private property where several structures are located that are designated as historic. This includes the house at the southeast corner of East Main Street and Cadiz Street, the house adjacent to it on the east side, and a house several properties to the east. The easements are necessary to replace existing laterals and meters at the rear of these properties. A historic house that was located on the east side of Cadiz Street near Water Street on this block is no longer there. None of the structures will be affected by the waterline and service line replacement, and there will be no new ground disturbance.**

**Across the street from this block is another easement for new waterline construction. The easement runs north from East Main Street to the public right of way where waterlines will be replaced. This easement runs between two properties where historic structures have been identified, on the site of a Historic House that has been demolished. Construction of the new waterline will not directly affect the structures, and the easement area has been disturbed previously.**

*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 **attach copies** of emails/correspondence that document this agreement. You must explain how the project's potential to affect both archaeological and historic resources were considered.
- 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

## **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.

**Photographs are attached.**

- 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.

**Attached are a topographic map showing the location of the waterline replacement project and easements, engineering drawings, showing the location of the waterline replacement project and easements, and the map of Historic Structures.**

- 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: YES  
**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.):

- 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:

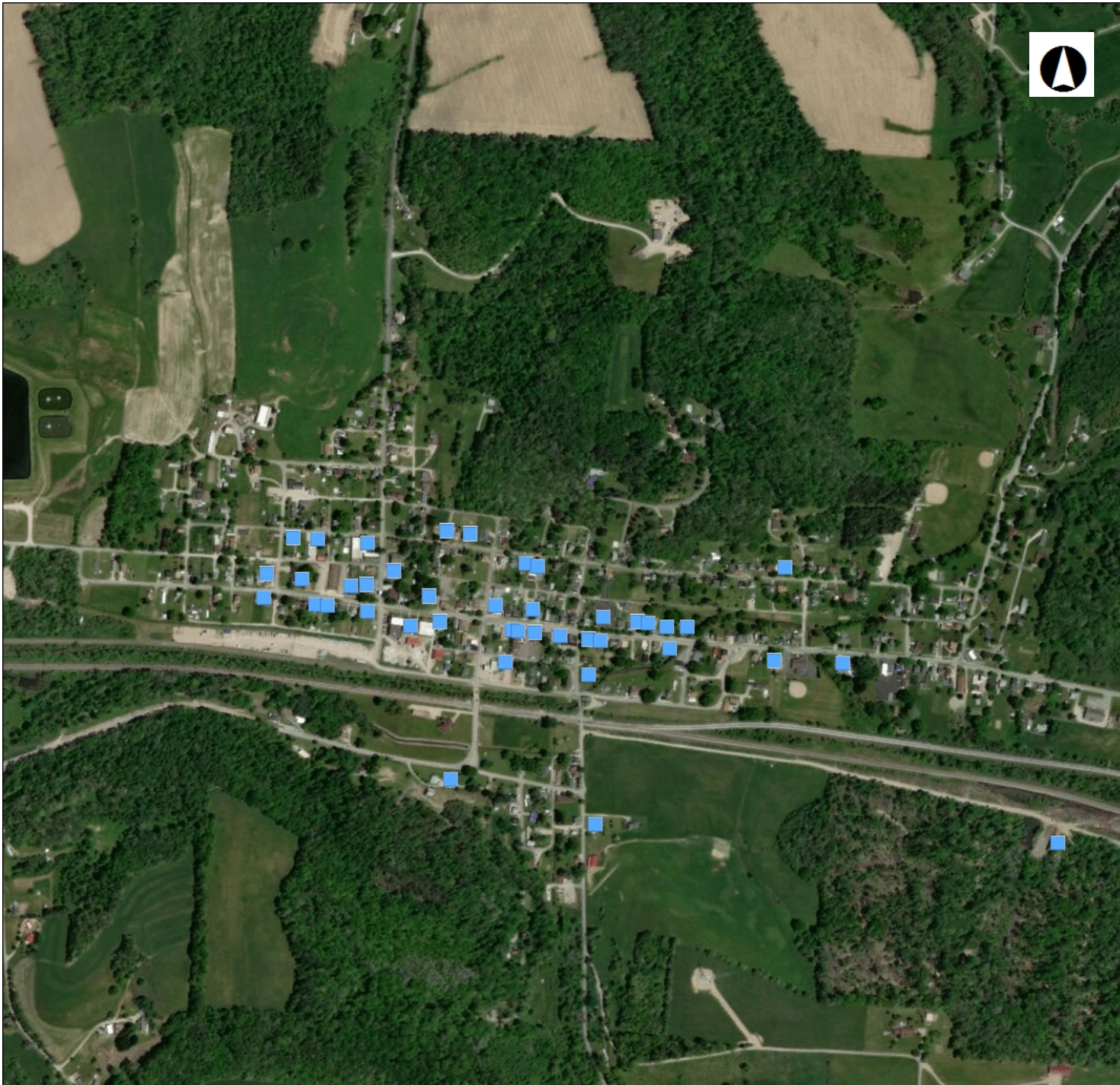
**No Adverse Effect [36 CFR § 800.5(b)] on historic properties.** This finding cannot be used if there are no historic properties present in your project APE. Please explain why the Criteria of Adverse Effect, [36 CFR Part 800.5(a) (1)], were found not to be applicable for your project:

**There will be no adverse effects on historic properties. The majority of construction work on this project involves the replacement of existing waterlines in public rights of way. There are easements required for the construction of the project. However, most of the easements are also needed for replacement of water facilities, including service lines and meters. Although there will be some new construction, it will not adversely affect any existing Historic Structures. The one identified easement where new construction will take place near a Historic Structure is on a site where another structure was previously located, so the land has been previously disturbed.**

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*



State Historic Preservation Office

**Legend**

NR Listings

- Listed
- National Historic Landmark
- ✕ Delisted

- ◆ NR Determinations of Eligibi
- Historic Structures
- Historic Bridges
- Historic Tax Credit Projects

OGS Cemeteries

- † Confident
- † Not Confident

- Dams
- UTM Zone Split
- NR Boundaries
- Historic Previously Surveyec
- Highways
- Counties
- NPS Parks



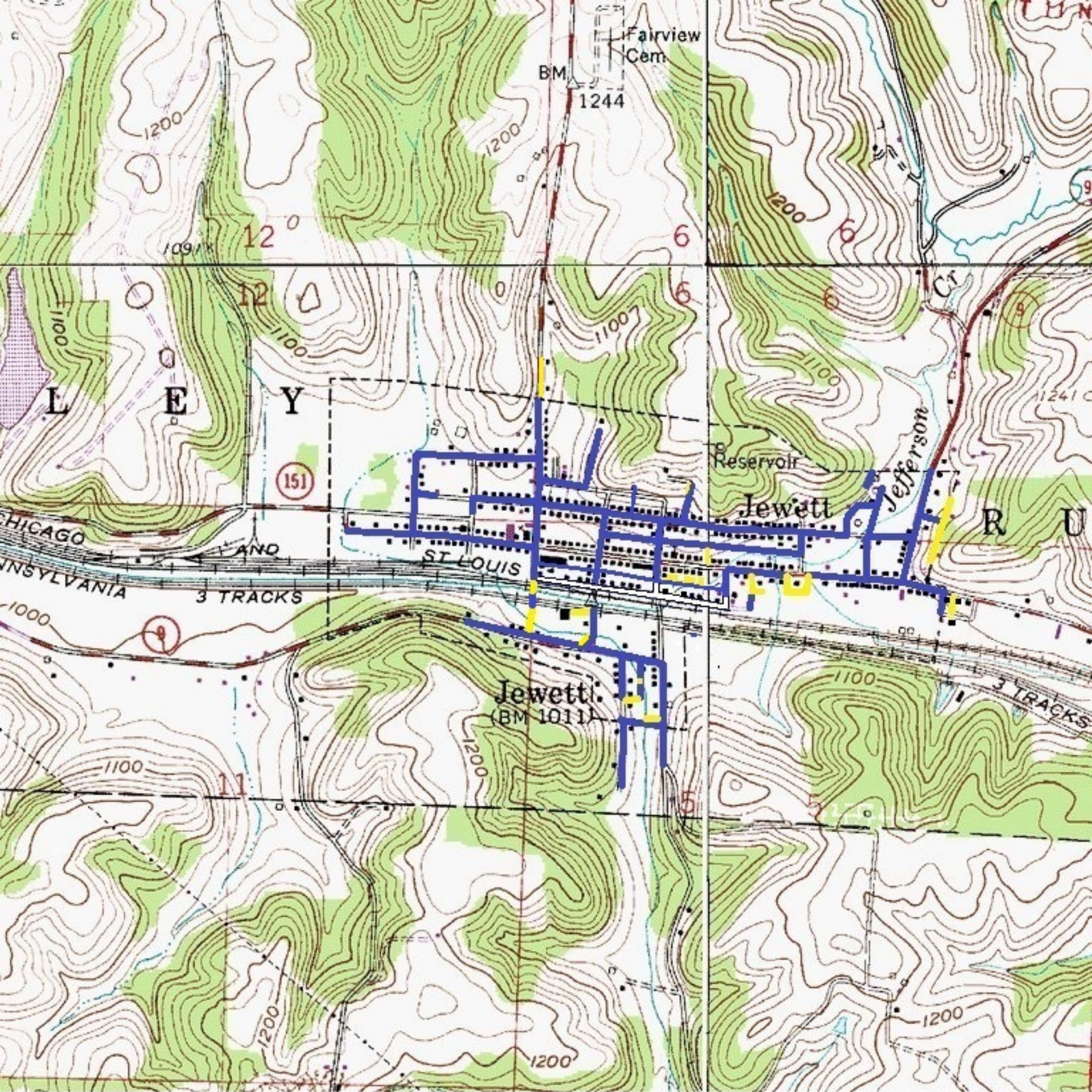
1: 13,446

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Datum: [Datum]  
 Projection: WGS\_1984\_Web\_Mercator\_Auxiliary\_Sphere





**WATERLINE REPLACEMENT**  
**EASEMENTS (AREA OF POTENTIAL EFFECTS)**



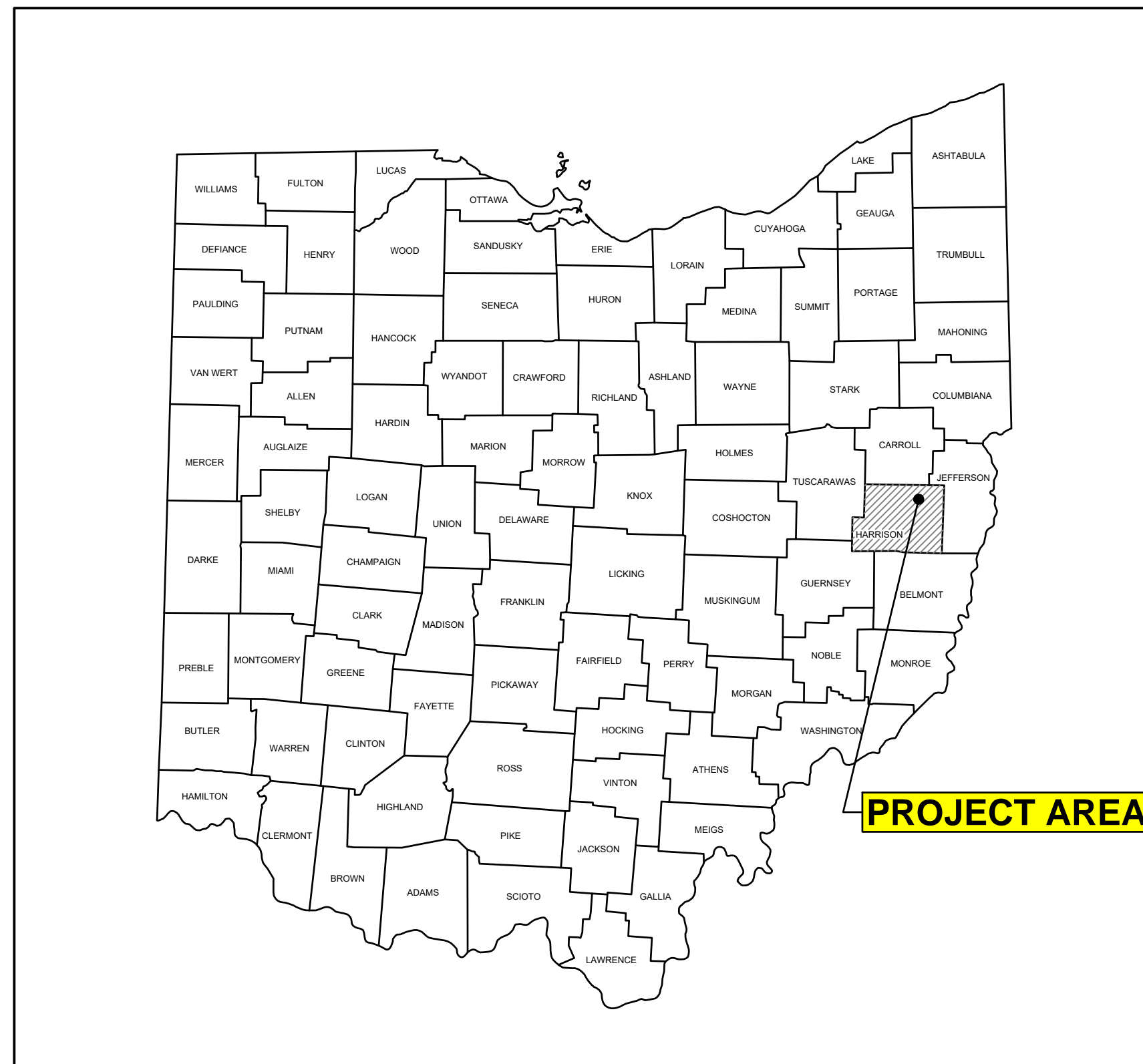
# VILLAGE OF JEWETT

## CONSTRUCTION DRAWINGS FOR

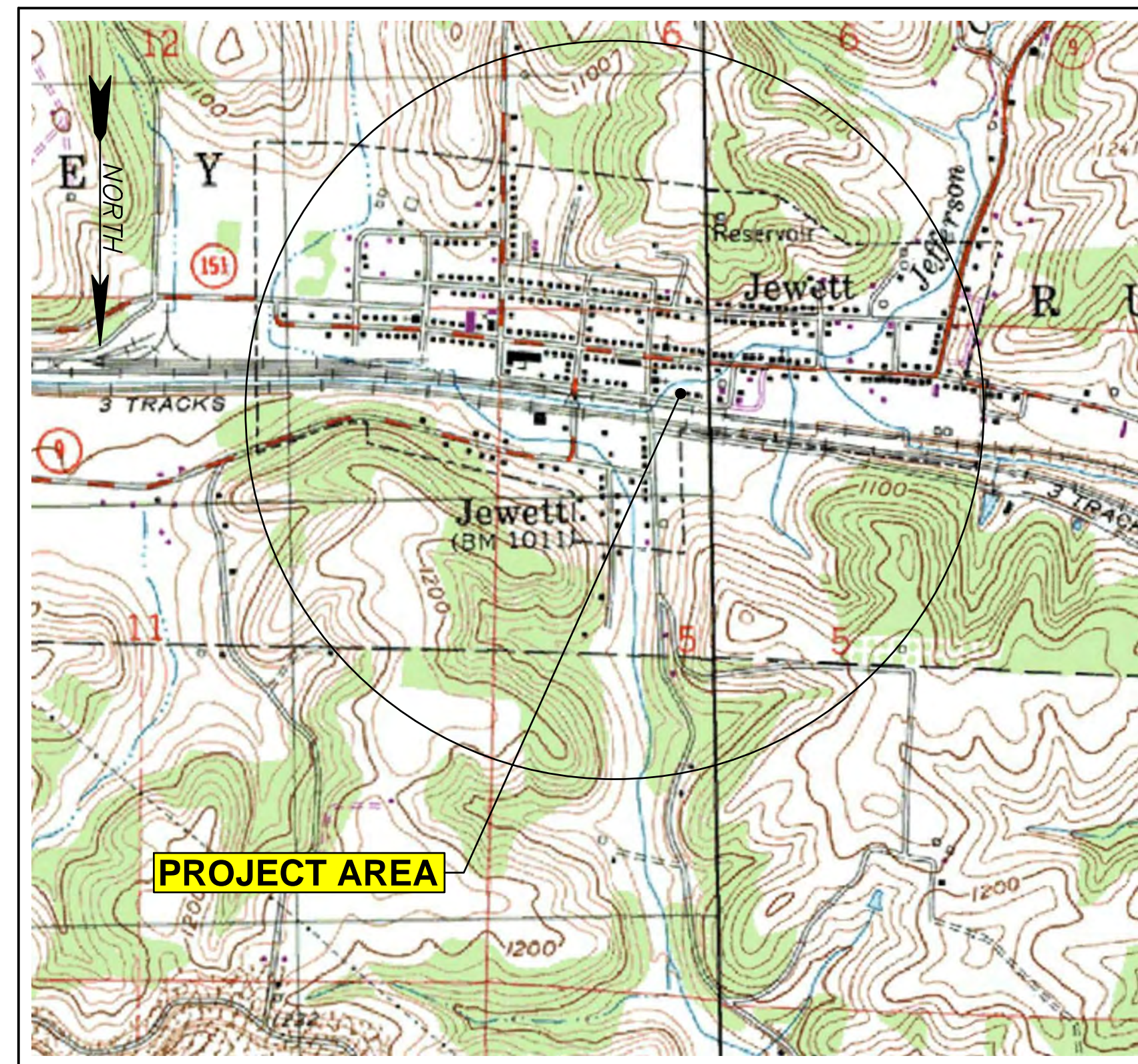
# WATER SYSTEM IMPROVEMENTS PROJECT

HARRISON COUNTY, OHIO

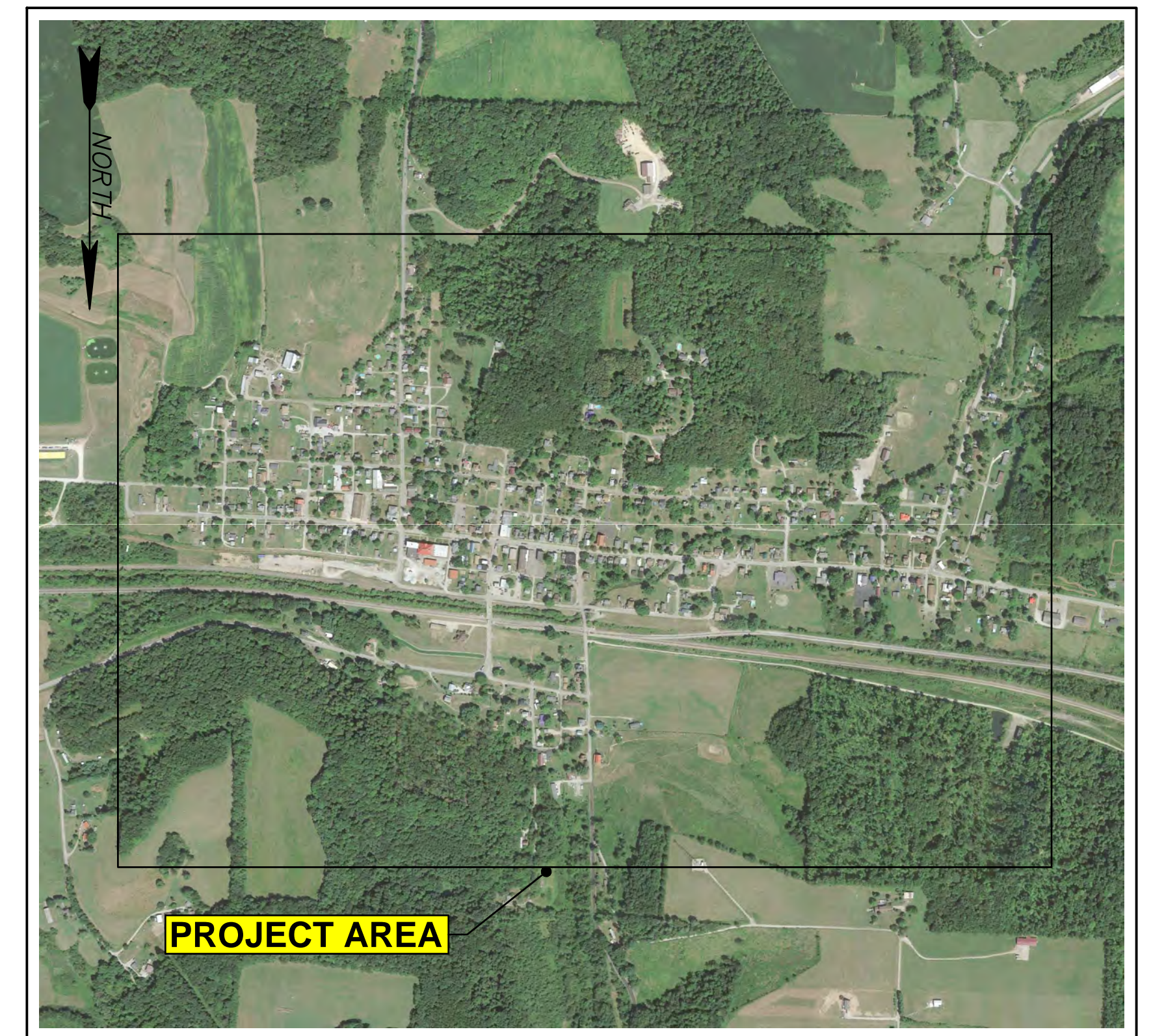
2/18/2019



**LOCATION MAP**  
HARRISON COUNTY, OHIO



**VICINITY MAP**



**PROJECT MAP**

**INDEX OF SHEETS**

TITLE SHEET	1
GENERAL NOTES	2
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5088 Washington Street, West  
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www.elrobinsonengineering.com

VILLAGE OF JEWETT

WATER SYSTEM IMPROVEMENTS PROJECT

LEGEND	
EXISTING FEATURES	
	PROPERTY LINE
	SANITARY SEWER LINE
	STORM SEWER LINE
	WATER LINE
	GAS LINE
	UNDERGROUND TELEPHONE LINE
	FENCE LINE
	PIPE CULVERT
	SANITARY SEWER MANHOLE
	STORM SEWER DROP INLET
	VALVE
	FIRE HYDRANT
	CORPORATION VALVE
	BLOW-OFF HYDRANT (BOH)
	GAS LINE MARKER
	GAS METER
	GAS VALVE
	GAS TEST STATION
	DROP INLET
	POWER POLE
	SIGN

LEGEND	
PROPOSED FEATURES	
	WATERLINE
	WATERLINE W/ CASING PIPE
	WATER SERVICE LINE
	GATE VALVE
	FIRE HYDRANT
	WATER METER
	BLOW-OFF HYDRANT (BOH)
	CUT & CAP
	PERMANENT EASEMENT
	SERVICE LINE ROAD AND/OR STREAM CROSSING

EASEMENTS LEGEND	
	PERMANENT EASEMENT
	PRIVATE PROPERTY EASEMENT
	VILLAGE OF JEWETT EASEMENT
	HARRISON COUNTY COMMISSION EASEMENT

**CERTIFICATION**

I HEREBY CERTIFY THAT THE RIGHT-OF-WAY AND EASEMENTS SHOWN ON THIS RIGHT-OF-WAY MAP ARE TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

MAYOR - VILLAGE OF JEWETT \_\_\_\_\_

DATE \_\_\_\_\_

SOLICITOR \_\_\_\_\_

DATE \_\_\_\_\_

ENGINEER \_\_\_\_\_

DATE \_\_\_\_\_

VILLAGE OF JEWETT WATER SYSTEM IMPROVEMENTS - PROPERTY OWNER INFORMATION TABLE									
EASEMENT NO.	CUSTOMER NO.	DISTRICT	PARCEL	OWNER	DEED BOOK	PAGE	DESCRIPTION	EASEMENT LENGTH (FT.)	EASEMENT WIDTH (FT.)
E1	10	24	24-0000394000	Marcus L. Statler, et. Al.	108	441	2" PVC; 3/4" Service Line; Blow-Off Hydrant; Water Meter	100	15
E2	11	24	24-0000391000	Lannie & Vickie Stark	Unlisted	Unlisted	2" PVC	205	15
			24-0000392000				2" PVC; 3/4" Service Line; Water Meter		
			24-0000313000				2" PVC		
E3	12	24	24-0000314000	Mary M. Jones	169	2892	2" PVC	200	15
			24-0000216000				2" PVC; 3/4" Service Line; Water Meter		
			24-0000217000				2" PVC; Blow-Off Hydrant; 3" Service Line		
E4	13	24	24-0000498000	Stephen W. & Sandra J. Chesla	Unlisted	Unlisted	3/4" Service Line and Water Meter	60	10
E5	26	23	23-0000416000	Devin Lee Tharp	Unlisted	Unlisted	Construction Easement for Customer 27 Service Line	50	10
E6	27	23	23-0000322000	Jonathan J. & John J. Bailey	162	1634	3/4" Service Line	165	10
E7	70	24	24-0000232000	Jason D. Skinner	164	252	8" PVC	15	15
E8	42	24	24-0000210000	Citizens Savings Bank	Unlisted	Unlisted	8" PVC; Water Valve	520	15
			24-0000552000				3/4" Service Line; Water Meters	110	10
E9	N/A	24	24-0000172000	Michelle & Randy's Rentals, LLC	179	2143	8" PVC; Fire Hydrant; 3/4" Service Line	200	15
E10	44	24	24-0000540000	Raymond J. & Sarah J. Leon	183	792	3" D.I.P.	125	15
			24-0000535000				3/4" Service Line	125	10
E11	N/A	24	24-0000367000	Michael & Tamara Harris	Unlisted	Unlisted	3/4" Service Line	125	15
E12	N/A	24	24-0000078000	Richard & Carrie Jean Godman	Unlisted	Unlisted	6" PVC; Fire Hydrant	165	15
			24-0000382000				3/4" Service Line	40	10
E13	48	24	24-0000381000	Sarah J. Marks	107	334	3/4" Service Line and Water Meter	10	10
			24-0000381000				3/4" Service Line and Water Meter	10	10
E14	49	24	24-0000269000	Donald E. Walker, III & Terrilyn Walker	164	2715	3/4" Service Line and Water Meter	35	10
E15	50	24	24-0000577000	Barbara & Mary Wade Birney	Unlisted	Unlisted	3/4" Service Line and Water Meter	40	10
E16	51	24	24-0000590000	Russell L. & Margaret Byers	Unlisted	Unlisted	3/4" Service Line and Water Meter	15	10
E17	52	24	24-0000278000	Michelle & Randy's Rentals, LLC	179	2143	10" D.I.P.; 3/4" Service Line; Water Meter	120	10
E18	53	24	24-0000346000	Alecia W. Mills	170	2730	3/4" Service Line and Water Meter	35	10
E19	166	24	24-0000372000	Michelle & Randy's Rentals, LLC	187	890	8" PVC	80	15
E20	167	24	24-0000487000	Teena Collins	179	725	8" PVC; 3/4" Service Line; Water Meters	30	15
E21	N/A	24	24-0000570003	Harrison County Commissioners	Unlisted	Unlisted	8" PVC	75	15
E22	N/A	24	24-0000353000	Donald D. & Sandra K. Rose	96	72	8" PVC	85	10
E23	48	24	24-0000472000	Sarah J. Marks	111	946	8" PVC; Water Valve; Leak Meter	135	15
E24	N/A	24	24-0000178000	Sarah J. & Raymond J. Leon	171	1499	8" PVC	135	15
E25	272	24	24-0000302000	Sarah J. Marks	103	861	1" HDPE; 3/4" Service Line; 2- Water Meters; 15'x15' Bore Pit	195	10
			24-0000606000				Bore Pit; 2" PVC	70	15
			24-0000607000				Bore Pit; 2" PVC	70	15
E26	N/A	24	24-0000484000	Santos O. & Dawn L. Morales-Angel	179	541	4" D.I.P. Stream Crossing; 4" Water Valve and Leak Meter	50	15
E27	282	24	24-0000588000	Robert Wood	161	1019	4" PVC; 3/4" Service Line; Water Meters	190	15
E28	291	24	24-0000522000	Richard McNeely	Unlisted	Unlisted	2" PVC; Water Valve; 3/4" Service Line	160	15

BY	REVISION	DATE	NO.

PLANS PREPARED FOR:  
VILLAGE OF JEWETT  
HARRISON COUNTY, OHIO

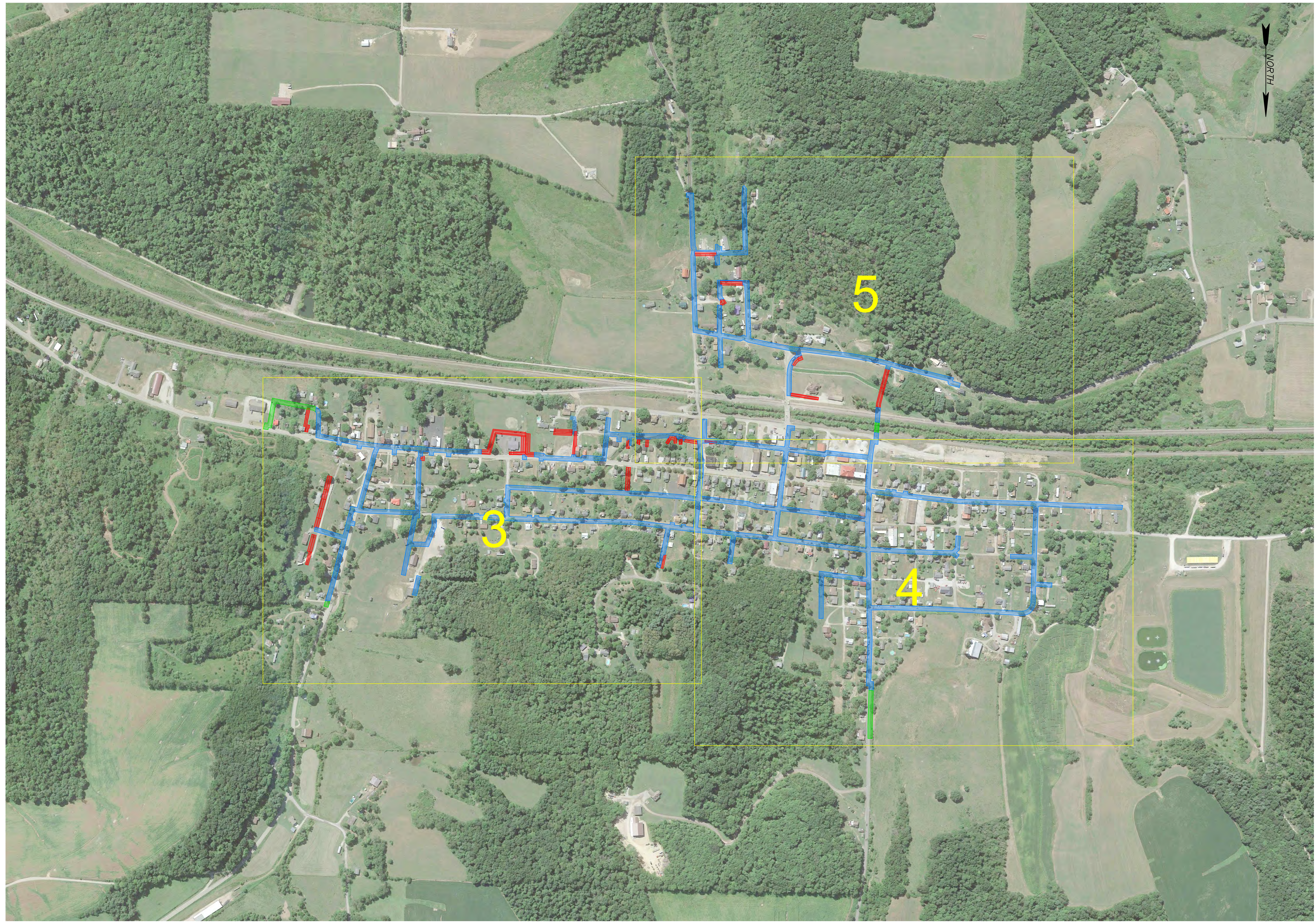
**VILLAGE OF JEWETT  
WATER SYSTEM IMPROVEMENTS PROJECT**

NO SCALE

**GENERAL NOTES AND LEGEND**

Plotted by: jlgmnc  
Amount: 14  
Filename: 1018050 - Jewett water system improvements\cad\plan\_set\01\_title\_gmnc\es1018050\_notes\_and\_legend\_easements.dwg

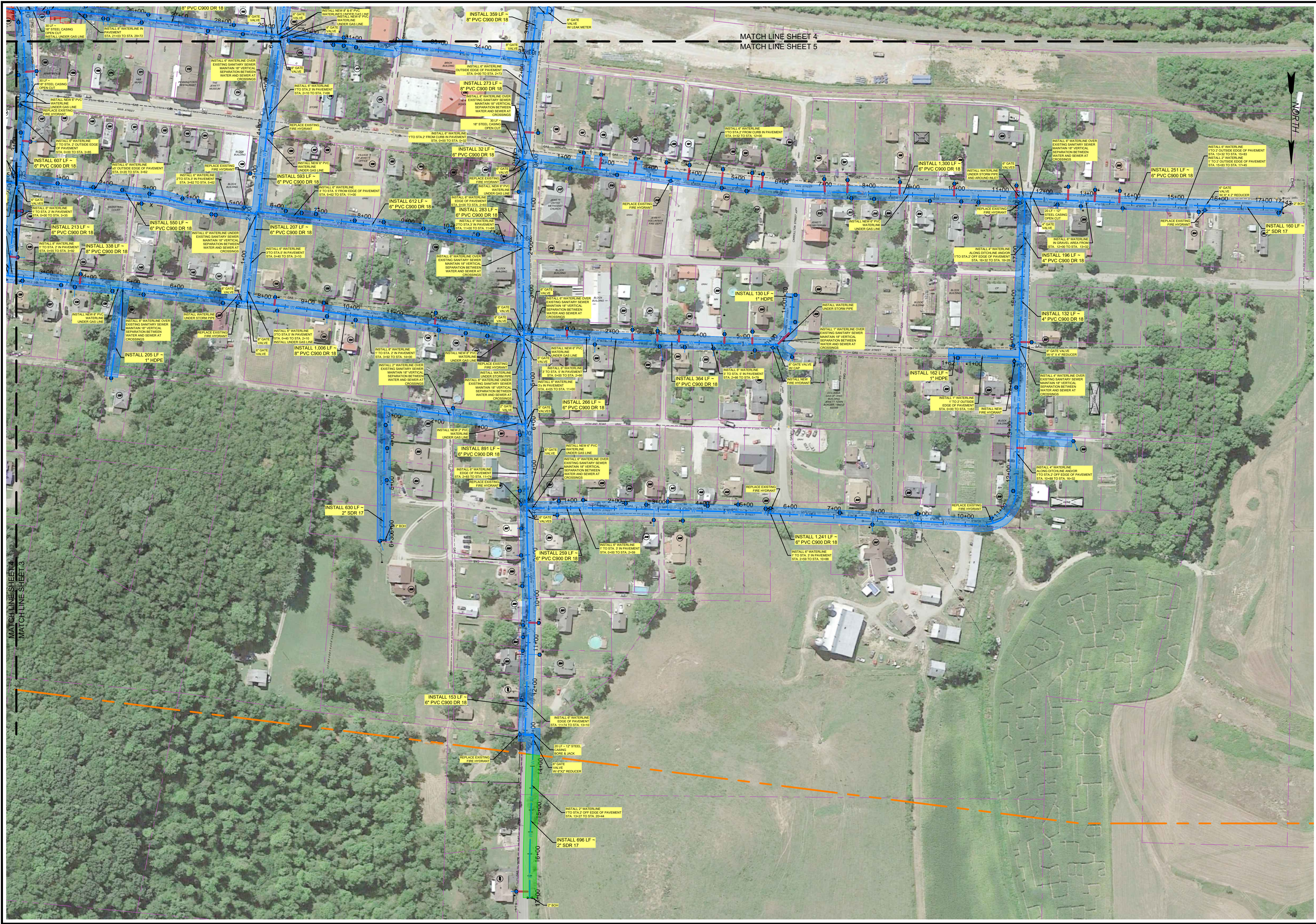
Plot by: igarcia  
D:\msd\14\jvw\1411\1018050 - Jewett water system improvements\cad\plan set\02\_design\1018050-jewett-design-plans - easements.dwg



<b>E.L. ROBINSON</b> ENGINEERING		5088 Washington Street, West Charleston, WV 25313 Phone: 304-776-7473 Fax: 304-776-6426 www.elrobinsoneengineering.com	
PLANS PREPARED FOR: VILLAGE OF JEWETT HARRISON COUNTY, OHIO		NO. DATE REVISION BY	
VILLAGE OF JEWETT WATER SYSTEM IMPROVEMENTS PROJECT		GRAPHIC SCALE 0 100' 200' 400' 200'	
PLAN SHEET INDEX		PROJECT NUMBER 1018050	
2		DATE 2/18/2019	
		SHEET NUMBER	



Plotted by: jlgm  
Date: 11/14/2019 10:10:50 - jvwett water system improvements\cad\plan\_sheets\1018050-jvwett-jewett-design-plans - easements.dwg



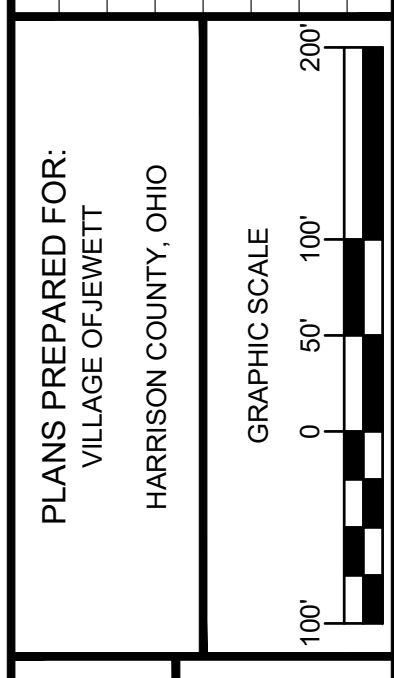
MATCH LINE SHEET 4  
MATCH LINE SHEET 5

NORTH

PLANS PREPARED FOR:  
VILLAGE OF JEWETT  
HARRISON COUNTY, OHIO

**VILLAGE OF JEWETT  
WATER SYSTEM IMPROVEMENTS PROJECT**

**PLAN SHEET**



NO.	DATE	REVISION	BY

PROJECT NUMBER	1018050
DATE	2/18/2019
SHEET NUMBER	4

**E.L. ROBINSON  
ENGINEERING**  
5088 Washington Street, West  
Charleston, WV 25313  
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Placed by: jlgm  
Date: 11/14/2019  
C:\projects\141\1410050 - Jewett water system improvements\cadd\plan\_sheets\1018050-jewett-plan-system-improvements.dwg



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 Charleston, WV 25313  
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 Fax: 304-776-6426  
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NO.	DATE	REVISION	BY

PLANS PREPARED FOR:  
 VILLAGE OF JEWETT  
 HARRISON COUNTY, OHIO

**VILLAGE OF JEWETT  
 WATER SYSTEM IMPROVEMENTS PROJECT**

**PLAN SHEET**

PROJECT NUMBER: 1018050  
 DATE: 2/18/2019  
 SHEET NUMBER: **5**

MATCH LINE SHEET 4  
 MATCH LINE SHEET 5

GRAPHIC SCALE: 0 50 100 200'  
 100'

# 300 Block East Main

Historic House on south side of East Main Street to the west of Citizens Savings Bank, 318 East Main St. in Jewett

Legend



Google Earth

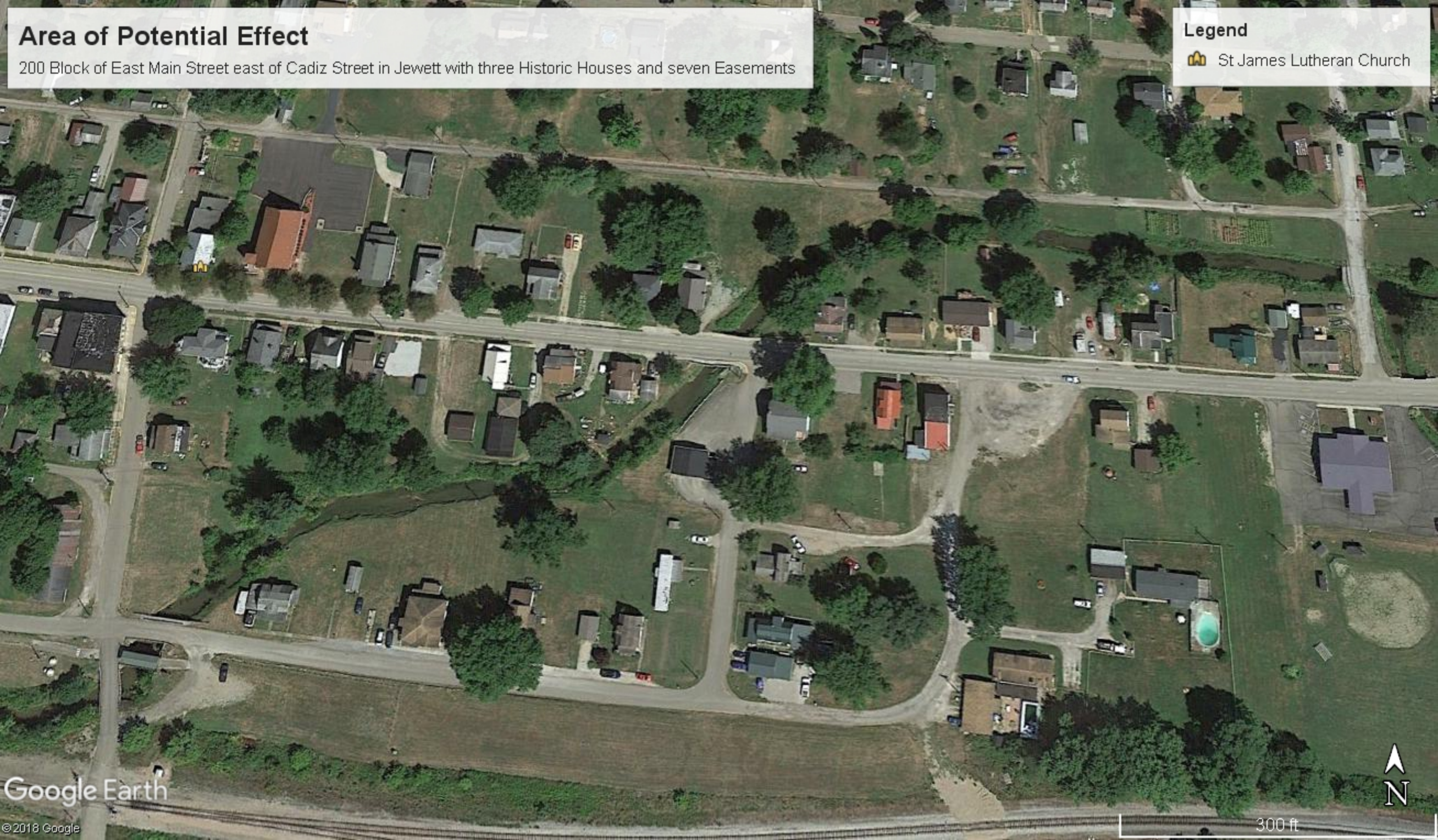
© 2019 Google  
© 2018 Google

7.49 ft

# Area of Potential Effect

200 Block of East Main Street east of Cadiz Street in Jewett with three Historic Houses and seven Easements

**Legend**  
🏛️ St James Lutheran Church







**Historic Structure on South Side of East Main Street just west of Conotton Creek**



**Backyard of Historic Structure on East Main Street just west of Conotton Creek**



**Historic House on South Side of East Main Street just West of Bank**



**Historic House on South Side of East Main Street West of Bank and Easement**



**Three Historic Houses on North Side of East Main Street with Proposed Easement Between Them**



**Proposed Easement on North Side of East Main Street Between Historic Structures**



**Backyards of Houses on South Main Street (from Water Street Looking north)**



**Village Right of Way Between East Main and Water Streets where Waterline will be Replaced**



**Backyard of Historic Structure at SE Corner of East Main and Cadiz Streets**



**Backyard of Historic House to East of House on SE Corner of East Main and Cadiz Streets**



**Historic Houses on Southeast Corner of East Main Street and Cadiz Street**



**Southeast Corner of East Main Street and Cadiz Street**



**Village Right of Way for Waterline (South of East Main, Looking East from Cadiz Street)**



**Village Right of Way for Waterline (South of East Main. Looking West from Cadiz Street)**

# **ATTACHMENT B**

**FLOODPLAIN COORDINATION**

**FLOODPLAIN PERMIT**

**FEMA FLOOD INSURANCE RATE MAP**



## FLOOD HAZARD AREA DEVELOPMENT PERMIT APPLICATION

Application is hereby made for a DEVELOPMENT PERMIT as required by the Special Purpose Flood Damage Reduction Regulations No. \_\_\_\_\_ of Jewett (village/city/county) for development in an identified flood hazard area. All activities shall be completed in accordance with the requirements of said regulations. The development to be performed is described below and in attachments hereto. The applicant understands and agrees that:

- The permit applied for, if granted, is issued on the representations made herein;
- Any permit issued may be revoked because of any breach of representation;
- Once a permit is revoked all work shall cease until the permit is reissued or a new permit is issued;
- Any permit issued on this application will not grant any right or privilege to erect any structure or use any premises described for any purposes or in any manner prohibited by the ordinances, codes, or regulations of the municipality;
- The applicant hereby gives consent to the Floodplain Administrator to enter and inspect activity covered under the provisions of the floodplain regulations;
- If issued, the FHA Development Permit form will be posted in a conspicuous place on the premises in plain view; and,
- If issued, the permit will expire if no work is commenced within one year of issuance.

Owner's Name: Village of Jewett Builder/Developer: Village of Jewett  
Address: 110 West Main Street Address: 110 West Main Street  
Phone: 740-381-1810 Phone: 740-381-1810

### LOCATION OF DEVELOPMENT SITE

1. Location of proposed development site address: Throughout entire village
2. Legal description: N/A

Attach a location map showing the location of the development site relative to adjacent sites. A location map may be a copy of the tax or plat map, including scale, showing the parcel where development activity will occur.

### DESCRIPTION OF WORK

3a. Kind of development proposed (check all that apply):

- |  |  |
|--|--|
| <input type="checkbox"/> Residential structure   | <input type="checkbox"/> Non-residential structure                 |
| <input type="checkbox"/> New structure   | <input type="checkbox"/> New structure                             |
| <input type="checkbox"/> Addition to structure   | <input type="checkbox"/> Addition to structure                     |
| <input type="checkbox"/> Renovations/repairs/maintenance   | <input type="checkbox"/> Renovations/repairs/maintenance           |
| <input type="checkbox"/> Manufactured home installation  |  |
| <input type="checkbox"/> Accessory structure: Dimensions: _____  |  |
| <input type="checkbox"/> Filling or grading  | <input type="checkbox"/> Dredging or excavation or mining          |
| <input type="checkbox"/> Materials/equipment storage: Describe type _____                                  |  |
| <input type="checkbox"/> Watercourse alteration (any change that occurs within the banks of a watercourse) |  |
| <input checked="" type="checkbox"/> Water supply / sewage disposal   | <input type="checkbox"/> Bridge or culvert placement / replacement |
| <input type="checkbox"/> Subdivision greater than 50 lots or 5 acres                                       | <input type="checkbox"/> Other development greater than 5 acres    |
| <input type="checkbox"/> Other: _____  |  |

Additional activity description: \_\_\_\_\_

- 3b. If the proposed construction is an addition, renovation, repair or maintenance to an existing structure, indicate the cost of proposed construction \$ N/A. What is the estimated market value of the existing structure \$ N/A?

NOTES AND ADDITIONAL SUBMITTAL REQUIREMENTS:

- In addition to completion of this form the applicant agrees to submit any additional information required by the floodplain administrator in order to determine that the proposed development is compliant with the local and federal flood damage prevention criteria of the National Flood Insurance Program. Site plans for all development proposals must:
  - Be drawn to scale with north arrow.
  - Show property boundaries, floodway, and floodplain lines.
  - Show dimensions of the lot.
  - Show dimensions and location of existing and/or proposed development on the site.
  - Show areas to be cut and filled.
- Applications for residential and non-residential structures must also include:
  - The proposed lowest floor elevation based on the datum used on the effective Flood Insurance Rate Map and base flood elevation for the site.
  - Identification of whether the structure has a basement or enclosure below the lowest floor, and if it contains a basement or enclosure, detailed drawings showing foundation openings to allow passage of floodwaters.
  - Description of how building utilities will be protected from flood waters including drawings showing locations of such utilities.
  - Detailed description of anchoring system for all mobile and manufactured homes.
  - Description of construction materials that will be used below the flood protection elevation.
- An existing structure must comply with the flood protection standards if it is substantially improved (an improvement equal to or greater than 50% of the market value of the structure). The "substantial improvement" definition applies to existing structures only and that once a structure meets the definition of "new construction" any further improvements to that structure must meet "new construction" requirements. For floodplain management purposes "new construction" means structures for which "start of construction" began on or after the effective date of the Initial Flood Insurance Rate Map issued by FEMA for the community.
- Any Pre-FIRM structure within the FHA that has sustained damage from any source (flood, fire, etc...) must be evaluated to determine if the structure is "substantially damaged" (damaged to 50% or more of the market value of the structure). If the structure is "substantially damaged", the structure must be brought into compliance with the flood protection standards.
- For subdivision proposals greater than 5 acres or 50 lots, or large-scale developments greater than 5 acres, a hydrologic and hydraulic analysis must be conducted to determine base flood elevations in flood hazard areas where no base flood elevations are provided.
- A Conditional Letter of Map Revision (CLOMR) must be obtained for proposed projects that would result in more than a 1.0 foot increase in BFE on a watercourse that has been studied through detailed hydrologic and hydraulic analyses where BFEs have been specified, but no floodway has been designated OR when a project proposed (totally or partially within the floodway) along a watercourse for which detailed analyses have been conducted and BFEs and a floodway have been designated would result in any (greater than 0.0 foot) increase in the BFE.
- Applications for non-residential structures proposed to be floodproofed must have a completed FEMA floodproofing certification form attached (can only be completed by a Registered Professional Engineer or Architect).
- All development proposals determined to be located in a floodway must be accompanied by a hydrologic and hydraulic analysis showing impacts on of the development on flood heights (can only be completed by a Registered Professional Engineer).
- Development proposals that are considered alterations of a watercourse must be accompanied by an analysis showing that the flood carrying capacity of the watercourse has not been reduced.

I AGREE THAT ALL STATEMENTS IN AND ATTACHMENTS TO THIS APPLICATION ARE A TRUE DESCRIPTION OF THE EXISTING PROPERTY AND THE PROPOSED DEVELOPMENT ACTIVITY. I UNDERSTAND THE DEVELOPMENT REQUIREMENTS FOR SPECIAL FLOOD HAZARD AREA ACTIVITIES PER THE APPROPRIATE ORDINANCE OR RESOLUTION AND AGREE TO ABIDE THERETO. I UNDERSTAND IT IS MY RESPONSIBILITY TO OBTAIN ALL OTHER APPLICABLE FEDERAL, STATE AND LOCAL PERMITS.

Applicant's Signature: Jack E. Ramsey - Village Agent

Date: 3 / 25 / 19

Approved by Douglas N. Bushman  
4/26/2019

**NOTES TO USERS**

This map is for use in administering the National Flood Insurance Program. It does not necessarily identify all areas subject to flooding, particularly from local drainage sources of small size. The community map repository should be consulted for possible updated or additional flood hazard information.

To obtain more detailed information in areas where Base Flood Elevations (BFEs) and/or floodways have been determined, users are encouraged to consult the Flood Profiles and Floodway Data and/or Summary of Stillwater Elevations tables contained within the Flood Insurance Study (FIS) report that accompanies this FIRM. Users should be aware that BFEs shown on the FIRM represent rounded whole-foot elevations. These BFEs are intended for flood insurance rating purposes only and should not be used as the sole source of flood elevation information. Accordingly, flood elevation data presented in the FIS report should be utilized in conjunction with the FIRM for purposes of construction and/or floodplain management.

Coastal Base Flood Elevations shown on this map apply only landward of 0.7 North American Vertical Datum of 1988 (NAVD 88). Users of this FIRM should be aware that coastal flood elevations are also provided in the Summary of Stillwater Elevations table in the Flood Insurance Study report for this jurisdiction. Elevations shown in the Summary of Stillwater Elevations table should be used for construction and/or floodplain management purposes when they are higher than the elevations shown on this FIRM.

Boundaries of the floodways were computed at cross sections and interpolated between cross sections. The floodways were based on hydraulic considerations with regard to requirements of the National Flood Insurance Program. Floodway widths and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Certain areas not in Special Flood Hazard Areas may be protected by flood control structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

The projection used in the preparation of this map was Ohio State Plane North zone 4576 (FIPSZONE 3401). The horizontal datum was NAD83. Differences in datum, spheroid, projection or state plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Flood elevations on this map are referenced to the North American Vertical Datum of 1988. These flood elevations must be compared to structure and ground elevations referenced to the same vertical datum. For information regarding conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov/> or contact the National Geodetic Survey at the following address:

NGS Information Services  
 NOAA, NIMS12  
 National Geodetic Survey  
 SSMC-3 #9202  
 1315 East-West Highway  
 Silver Spring, Maryland 20910-3282  
 (301) 713-3242

To obtain current elevation description and/or location information for bench marks shown on this map, please contact the Information Services Branch of the National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov/>.

Base Map information shown on this FIRM was derived from the State of Ohio Office of Information Technology Ohio Geographically Referenced Information Program at a scale of 1:2400 from photography dated 2006 or later.

This map reflects more detailed and up-to-date stream channel configurations than those shown on the previous FIRM for this jurisdiction. The floodplains and floodways that were transferred from the previous FIRM may have been adjusted to conform to these new stream channel configurations. As a result, the Flood Profiles and Floodway Data tables in the Flood Insurance Study report (which contains authoritative hydraulic data) may reflect stream channel distances that differ from what is shown on this map.

Corporate limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may have occurred after this map was published, map users should contact appropriate community officials to verify current corporate limit locations.

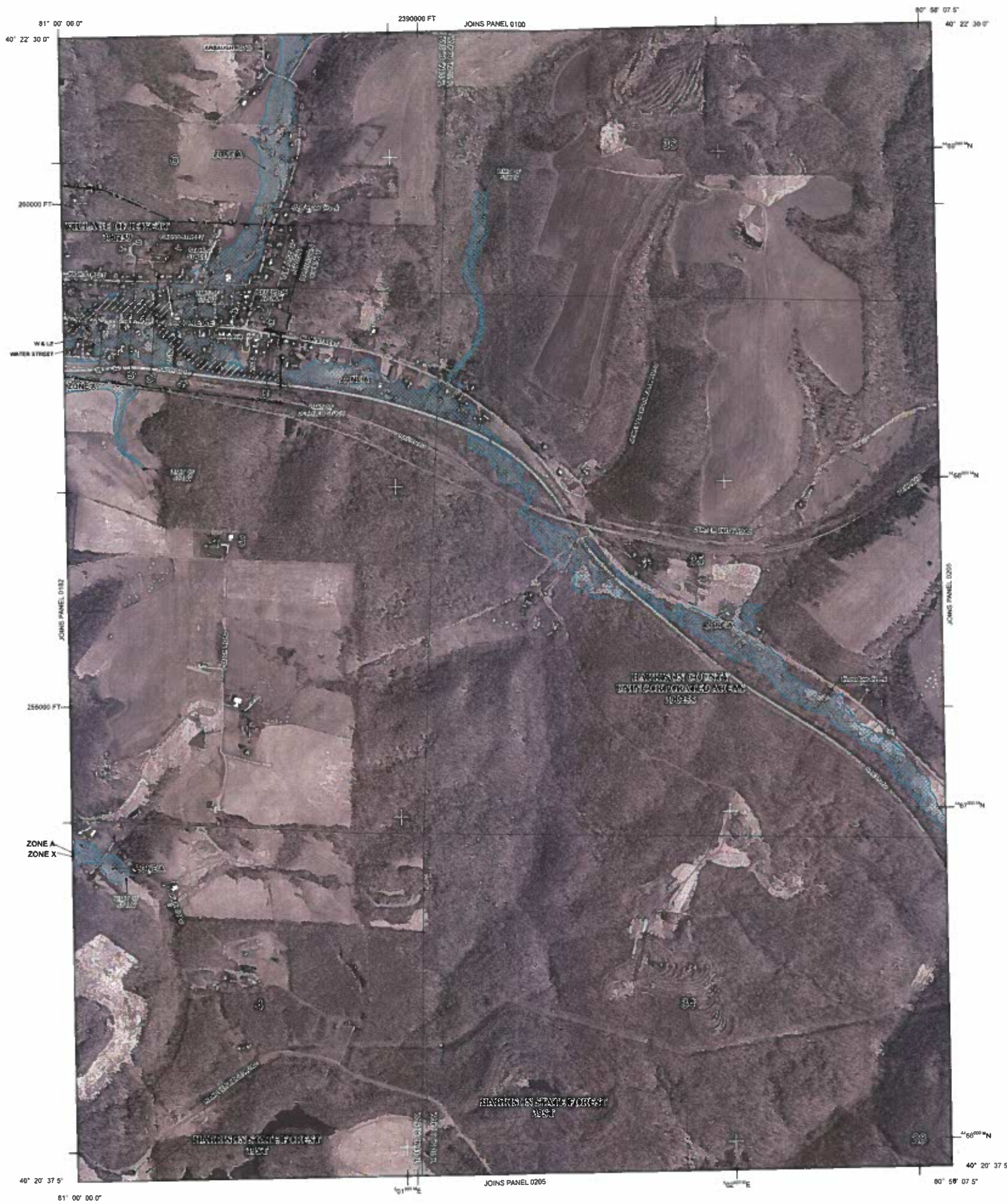
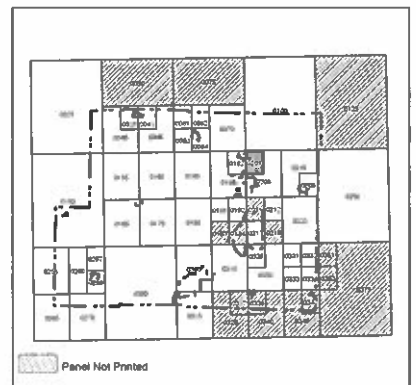
Please refer to the separately printed Map Index for an overview map of the county showing the layout of map panels, community map repository addresses, and a listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which each community is located.

Contact the FEMA Map Service Center at 1-800-358-9616 for information on available products associated with this FIRM. Available products may include previously issued Letters of Map Change, a Flood Insurance Study report, and/or digital versions of this map. The FEMA Map Service Center may also be reached by Fax at 1-800-358-9620 and its website at <http://mfc.fema.gov/>.

If you have questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/firm/>.

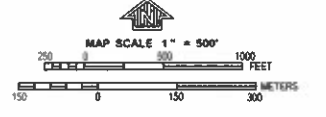
The profile base lines depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data the profile base line in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

**PANEL INDEX**



**LEGEND**

- SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD
- The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard may include Zones A, AE, AH, AD, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.
- ZONE A** No Base Flood Elevations determined.
- ZONE AE** Base Flood Elevations determined.
- ZONE AH** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AD** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of sheet flow flooding, velocities also determined.
- ZONE AR** Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently described. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE A99** Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE V** Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.
- FLOODWAY AREAS IN ZONE AE
- The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.
- OTHER FLOOD AREAS
- ZONE X** Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.
- OTHER AREAS
- ZONE X** Areas determined to be outside of the 0.2% annual chance floodplain.
- ZONE D** Areas in which flood hazards are undetermined, but possible.
- COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS
- OTHERWISE PROTECTED AREAS (OPAs)
- CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.
- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard Areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value, elevation in feet
- Base Flood Elevation value where uniform within 100-foot (30.5m) intervals
- Referenced to the North American Vertical Datum of 1988
- A — A — Cross section line
- C — C — C — Truncated line
- 83° 02' 48.00" W 41° 24' 22.50" N Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
- 4987000 M 1000-meter Universal Transverse Mercator grid values, zone 17
- 2250000 FT 5000-foot grid ticks, Ohio State Plane North Coordinate System, 4976 zone (FIPSZONE 3401), Lambert Conformal Conic projection
- KAD015 X Search mark (see explanation in Notes to Users section of this FIRM panel)
- M 1.5 River Mile
- MAP REPOSITORY
- Refer to listing of Map Repositories on Map Index
- EFFECTIVE DATE OF COMMUNITY FLOOD INSURANCE RATE MAP MAY 4, 2009
- EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL



**PANEL 0201D**

**FIRM**  
**FLOOD INSURANCE RATE MAP**  
**HARRISON COUNTY, OHIO**  
**AND INCORPORATED AREAS**

**PANEL 201 OF 375**  
 (SEE MAP INDEX FOR FIRM PANEL LAYOUT)

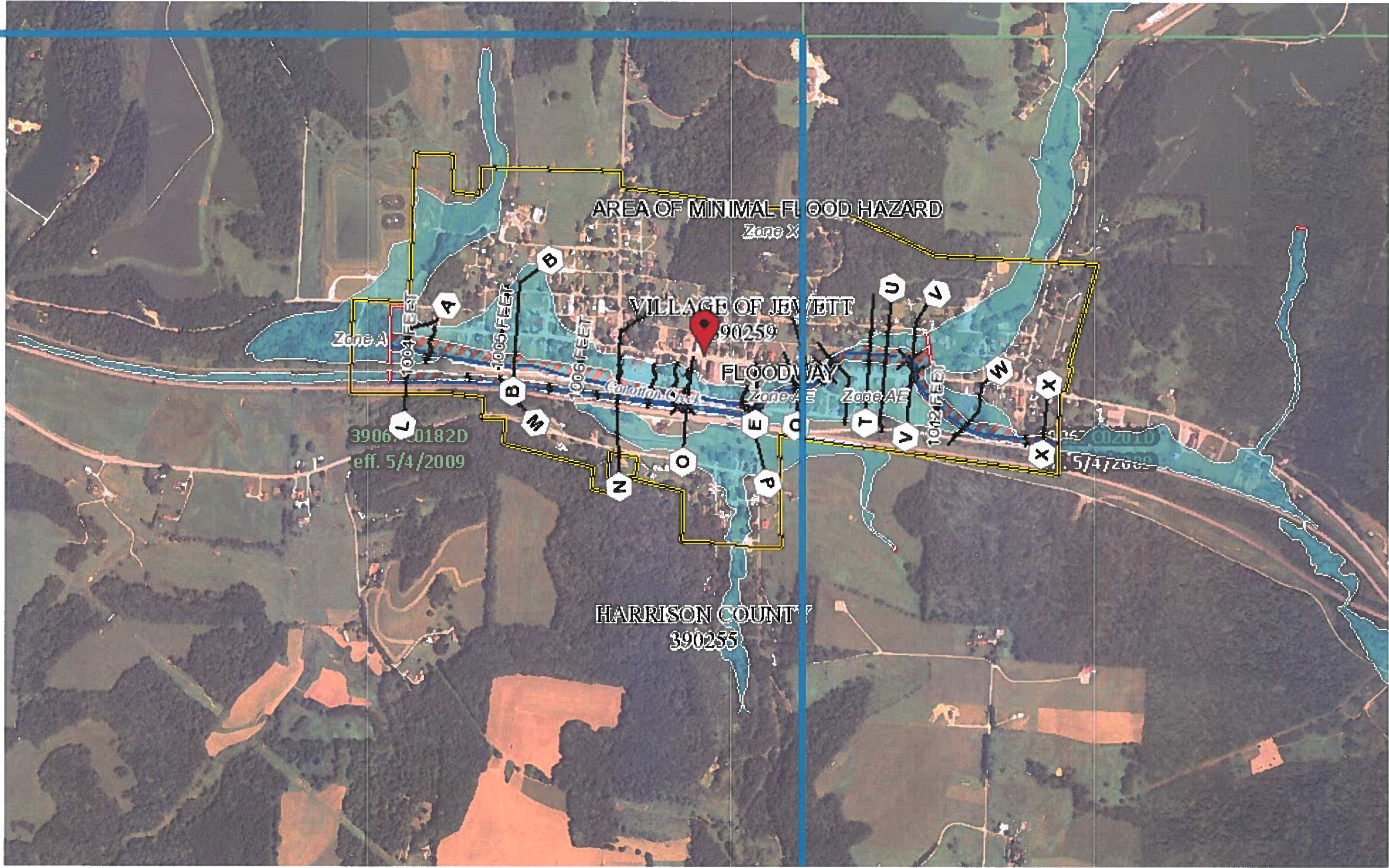
COMMUNITY	NUMBER	PANEL	SUFFIX
HARRISON COUNTY	390215	0201	D
JEWETT VILLAGE OF	390216	0201	D

Notice to User: The Map Number shown below should be used when placing map orders. The Community Number shown above should be used on insurance applications for the subject community.

**MAP NUMBER**  
 39067C0201D

**EFFECTIVE DATE**  
 MAY 4, 2009

Federal Emergency Management Agency



AREA OF MINIMAL FLOOD HAZARD

Zone X

VILLAGE OF JEWETT

90259

FLOODWAY

Zone AE

Zone AE

Zone A

39067-0182D

eff. 5/4/2009

39020D

5/4/2009

HARRISON COUNTY

390255

A

B

U

V

L

B

M

N

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1004 FEET

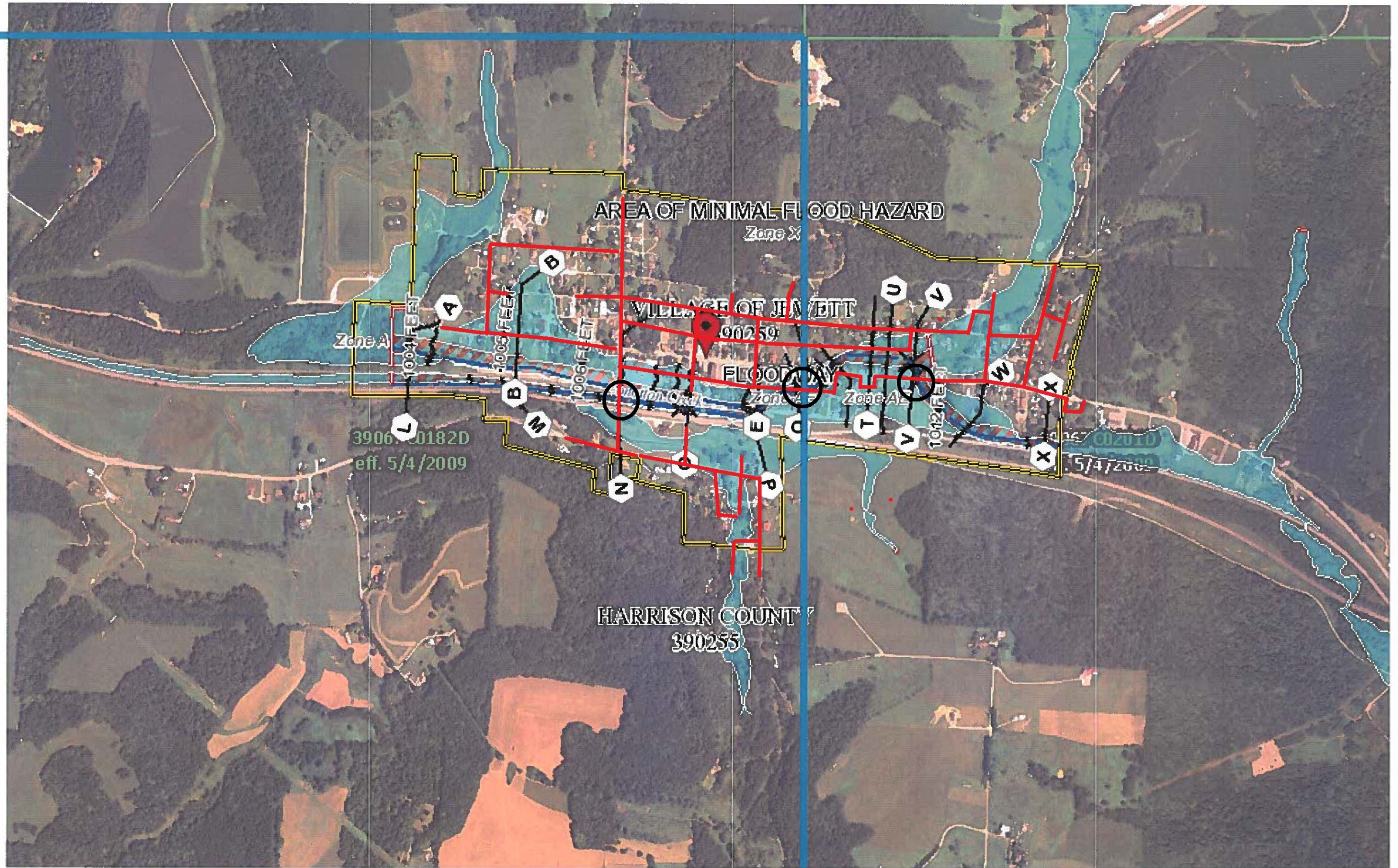
1005 FEET

1006 FEET

1012 FEET

Cotton Creek

# JEWETT WATERLINE STREAM CROSSINGS



— PROPOSED WATERLINES

○ STREAM CROSSINGS

# **ATTACHMENT C**

**US ARMY CORPS OF ENGINEERS LETTER**



**Date:** April 1, 2019

**Subject:** Village of Jewett Waterline Replacement Project

Environmental Review Record for CDBG /RPIG grant

I received an e-mail today from Nicole Marisavljevic from the Dover Regulatory Field Office for the US Army Corps of Engineers. She asked me to call her related to our request for comments on the Environmental Review Record for the Village of Jewett Waterline Replacement Project. I called her this morning and told her that we had requested comments from the Corps of Engineers for the Environmental Review Record, but that we also have a letter from the Corps of Engineers dated August 22, 2018, stating that "No permit will be required" for this project. She asked me to confirm that the project has not changed since the letter was written last year. I confirmed that the project was the same, involving replacement of six and eight inch waterlines with some stream crossings that will be directionally bored. She said that since there are no changes, the Corps of Engineers would have the same response today. I told her that I would use the August 22, 2018 letter in the Environmental Review Record and thanked her.

Alan J. Knapp

ARC Program Manager

## Alan Knapp

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**From:** Alan Knapp  
**Sent:** Friday, March 29, 2019 9:39 AM  
**To:** 'teresa.d.spagna@usace.army.mil'  
**Cc:** Jeannette Wierzbicki  
**Subject:** Environmental Review Record Jewett Waterline Replacement Project  
**Attachments:** Corps of Engineers Letter.pdf

Teresa-

I am currently completing an Environmental Review Record for CDBG funds for the Jewett Waterline Replacement Project in Harrison County, Ohio. As part of this review, I sent an e-mail to you on February 26, 2019, with attachments, requesting any comments from the Corps of Engineers. Although I have not received a reply, I did find the attached letter from you in the project file, dated August 22, 2018, stating that no permit would be required for the project. Would it be possible for you to confirm this by e-mail (for the Environmental Review Record)? Would very much appreciate it. Please let me know if you have any questions or require more information. Thanks.



**OMEGA**  
OHIO MID-EASTERN GOVERNMENTS ASSOCIATION  
*Connecting Communities to Resources*

Alan J. Knapp  
RC Program Manager  
Ohio Mid-Eastern Governments Association  
326 Highland Avenue, Suite B  
Cambridge, Ohio 43725  
(740) 439-4471, ext. 211  
[alank@omegadistrict.org](mailto:alank@omegadistrict.org) / [www.omegadistrict.us](http://www.omegadistrict.us)



## Alan Knapp

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**From:** Alan Knapp  
**Sent:** Tuesday, February 26, 2019 11:07 AM  
**To:** 'teresa.d.spagna@usace.army.mil'  
**Subject:** Environmental Review for Jewett Waterline Replacement Project  
**Attachments:** Wetlands in Jewett.pdf; Jewett Floodplain Map.pdf; Village of Jewett Water System Impr-Easement Plans-021919.pdf

Teresa-

I am contacting you related to an Environmental Review Record I am preparing for a CDBG grant for the Village of Jewett Waterline Replacement Project in Harrison County, Ohio. Due to numerous waterline breaks in an aging water system, the Village is proposing to completely replace the water distribution system in the Village, which serves all of the residents and businesses in the Village. Funding will be provided by the Ohio EPA, the State of Ohio CDBG Program and the Village of Jewett. Attached is a Wetlands Map, Floodplain Map and engineering drawings showing easements for stream crossings. On Plan Sheet 3, there is a stream crossing shown under Conotton Creek and several smaller stream crossings along tributaries. The stream crossings will involve horizontal directional drilling four feet under the stream bed.

We are requesting any comments that the US Army Corps of Engineers has in regards to potential environmental effects of this project related to wetlands, floodplains or streams. Please let me know if you have any questions or require additional information. Thanks.



**Alan J. Knapp**  
**ARC Program Manager**  
Ohio Mid-Eastern Governments Association  
326 Highland Avenue, Suite B  
Cambridge, Ohio 43725  
(740) 439-4471, ext. 211  
[alank@omegadistrict.org](mailto:alank@omegadistrict.org) / [www.omegadistrict.us](http://www.omegadistrict.us)

## Alan Knapp

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**From:** Marisavljevic, Nicole L CIV USARMY CELRH (US) <Nicole.Marisavljevic@usace.army.mil>  
**Sent:** Monday, April 1, 2019 11:49 AM  
**To:** Alan Knapp  
**Subject:** RE: Environmental Review Record Jewett Waterline Replacement Project (UNCLASSIFIED)

Hi Alan,

I am reviewing your request for the Jewett Waterline Replacement Project in Harrison County, Ohio and have a couple of questions for you.

Please call me at (330) 365-4273 at your earliest convenience so that we can straighten this out and move forward.

Thanks. Look forward to hearing from you,

Nicole Marisavljevic  
Dover Regulatory Field Office  
(330) 365-4273

-----Original Message-----

**From:** Alan Knapp [mailto:alank@omegadistrict.org]  
**Sent:** Friday, March 29, 2019 9:39 AM  
**To:** Spagna, Teresa D CIV USARMY CELRH (USA) <Teresa.D.Spagna@usace.army.mil>  
**Cc:** Jeannette Wierzbicki <jeannettew@omegadistrict.org>  
**Subject:** [Non-DoD Source] Environmental Review Record Jewett Waterline Replacement Project

Teresa-

I am currently completing an Environmental Review Record for CDBG funds for the Jewett Waterline Replacement Project in Harrison County, Ohio. As part of this review, I sent an e-mail to you on February 26, 2019, with attachments, requesting any comments from the Corps of Engineers. Although I have not received a reply, I did find the attached letter from you in the project file, dated August 22, 2018, stating that no permit would be required for the project. Would it be possible for you to confirm this by e-mail (for the Environmental Review Record)? Would very much appreciate it. Please let me know if you have any questions or require more information. Thanks.

Connecting Communities to Resources

Alan J. Knapp

ARC Program Manager



REPLY TO  
ATTENTION OF

**DEPARTMENT OF THE ARMY**  
**HUNTINGTON DISTRICT, CORPS OF ENGINEERS**  
**502 EIGHTH STREET**  
**HUNTINGTON, WEST VIRGINIA 25701-2070**

August 22, 2018

Regulatory Division  
North Branch  
LRH-2018-655-TUS-Conotton Creek

**NO PERMIT REQUIRED**

Mr. Dwight Busby  
Village of Jewett  
110 West Main Street  
Jewett, Ohio 43986

Dear Mr. Busby:

I refer to the information received in this office on August 10, 2018, regarding the proposed Water System Improvement Project in the Village of Jewett. You have requested the United States Army Corps of Engineers (Corps) review your proposal for possible Department of the Army (DA) permit requirements. The proposed project site is located at approximately 40.368020 latitude, -81.002208 longitude in Jewett, Harrison County, Ohio. We have assigned the following file number to your proposal: LRH-2018-655-TUS-Conontton Creek. Please reference this file number on all future correspondence related to the subject proposal.

The Corps' authority to regulate waters of the United States is based on the definitions and limits of jurisdiction contained in 33 CFR 328 and 33 CFR 329. Section 404 of the Clean Water Act requires a DA permit be obtained prior to discharging dredged and/or fill material into waters of the United States, including wetlands. Section 10 of the Rivers and Harbors Act of 1899 requires a DA permit be obtained in advance of any work in, on, over or under a navigable water of the United States.

Based on a review of the information provided, your proposal will involve a water system improvement project that requires the crossing of seven (7) streams using the Horizontal Directional Drilling method at sites 2-7 and the jack and bore method at site 1 as described in the attached Table 1. We have determined your proposal will neither result in the discharge of dredged and/or fill material into waters of the United States nor involve work in, on, over, or under a navigable water of the United States. Therefore, no DA permit is required from this office for the proposed activity. However, if this determination changes and it becomes necessary to perform work in, adjacent to, or under navigable waters, or to discharge dredged and/or fill material into waters or navigable waters of the United States, including wetlands, please contact the Corps for permitting requirements.

Please be aware that this letter does not excuse you from the obligation to obtain any other Federal, state and/or local authorization, if required. In addition, this letter does not grant any property rights or exclusive privileges, or authorize any injury to the property or rights of others.

We appreciate your concern for our nation's aquatic resources. If you have any questions concerning the above, please contact Dalton McComas of the North Branch at (304) 399-5993, by mail at the above address or by email at Dalton.McComas@usace.army.mil.

Sincerely,

SPAGNA.T  
ERESA.D.1  
229740519

Digitally signed by  
SPAGNA.TERESA.D.1229740519  
DN: cn=US, o=U.S. Government,  
ou=DDO, ou=PEL, ou=USA,  
cn=SPAGNA.TERESA.D.122974051  
9  
Date: 2018.08.22 15:05:51 -0400

Teresa Spagna  
Chief, North Branch

cc:

Jack Ramsey  
E.L. Robinson Engineering  
5088 Washington Street  
Charleston, West Virginia 25313

**Table 1. Crossings associated with the Village of Jewett  
Water System Improvement Project  
LRH-2018-655-TUS-Conotton Creek**

<b>Site Number</b>	<b>Waterway Name</b>	<b>Latitude &amp; Longitude (°N) (°W)</b>		<b>Flow Regime or Cowardin Class</b>	<b>Crossing Method</b>	<b>Other Pertinent Information</b>
1	Conotton Creek	40.366783	-81.005931	Perennial	Jack and Bore	No Permit Required
2	UNT Conotton Creek	40.366056	-81.005947	Perennial	HDD	No Permit Required
3	UNT Conotton Creek	40.365000	-81.002500	Perennial	HDD	No Permit Required
4	Jefferson Creek	40.366821	-81.000456	Perennial	HDD	No Permit Required
5	Jefferson Creek	40.367497	-80.996787	Perennial	HDD	No Permit Required
6	Jefferson Creek	40.368206	-80.994719	Perennial	HDD	No Permit Required
7	Jefferson Creek	40.368395	-80.994463	Perennial	HDD	No Permit Required

August 9, 2018

U.S. Army Corps of Engineers  
Huntington District  
502 Eighth Street  
Huntington, WV 25701-2070

Attn: LuAnne S. Conley  
Project Manager, South Regulatory Section

RE: Village of Jewett  
Water System Improvement Project  
Pre-Construction Notification  
Harrison County, OH

Dear Ms. Conley:

This letter is to provide the Pre-Construction Notification for a Nationwide Permit request (#12 Utility Line Discharge) for a potable waterline project in Harrison County, Ohio. We are the Consulting Engineers for this project.

1. Prospective Permittee

Village of Jewett  
110 West Main Street  
Jewett, OH 43986

2. Additional Information

I have driven the entire project on several occasions, and this project will not affect any wetlands. There are seven (7) streams that will be crossed for this project, and they are identified on the attached Stream Crossing Location map. A DA 4345 Form is included with this letter.

3. Description of the Proposed Project

The proposed Jewett Water System Improvement Project is being implemented by the Village of Jewett to provide continued potable water and fire protection service to approximately 288 residences/businesses currently served by the Village of Jewett Water Distribution System.

The proposed project would replace the majority of the existing 8 to 2-inch diameter water mains, meters and other appurtenances. The project is needed to replace aged and deteriorated water lines. Those water lines are mostly cast and ductile iron lines. The frequency of water line breaks is increasing. The village has water loss exceeding 62% of water produced at the plant.

The new waterline will involve seven (7) stream crossings. The calculated volume is included with DA Form 4345. The locations are shown on the attached Stream Crossing Location Map.

Adverse environmental effects would be minimal as all the stream crossings will be completed by directional drilling or bore and jack method. A Frac-out Contingency plan is included for the directionally drilled crossings.

Attachments:            Stream Crossing Location Map  
                                 Vicinity Map  
                                 Stream Crossing Procedure  
                                 And Typical Cross Sections  
                                 Frac-out Contingency Plan

Please let me know if you have any questions or desire any additional information.

Sincerely,

Jack Ramsey, P.E.  
E.L. Robinson Engineering Co.

**U.S. ARMY CORPS OF ENGINEERS  
APPLICATION FOR DEPARTMENT OF THE ARMY PERMIT**  
33 CFR 325. The proponent agency is CECW-CO-R.

*Form Approved -  
OMB No. 0710-0003  
Expires: 31-AUGUST-2013*

Public reporting for this collection of information is estimated to average 11 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of the collection of information, including suggestions for reducing this burden, to Department of Defense, Washington Headquarters, Executive Services and Communications Directorate, Information Management Division and to the Office of Management and Budget, Paperwork Reduction Project (0710-0003). Respondents should be aware that notwithstanding any other provision of law, no person shall be subject to any penalty for failing to comply with a collection of information if it does not display a currently valid OMB control number. Please DO NOT RETURN your form to either of those addresses. Completed applications must be submitted to the District Engineer having jurisdiction over the location of the proposed activity.

**PRIVACY ACT STATEMENT**

Authorities: Rivers and Harbors Act, Section 10, 33 USC 403; Clean Water Act, Section 404, 33 USC 1344; Marine Protection, Research, and Sanctuaries Act, Section 103, 33 USC 1413; Regulatory Programs of the Corps of Engineers; Final Rule 33 CFR 320-332. Principal Purpose: Information provided on this form will be used in evaluating the application for a permit. Routine Uses: This information may be shared with the Department of Justice and other federal, state, and local government agencies, and the public and may be made available as part of a public notice as required by Federal law. Submission of requested information is voluntary, however, if information is not provided the permit application cannot be evaluated nor can a permit be issued. One set of original drawings or good reproducible copies which show the location and character of the proposed activity must be attached to this application (see sample drawings and/or instructions) and be submitted to the District Engineer having jurisdiction over the location of the proposed activity. An application that is not completed in full will be returned.

**(ITEMS 1 THRU 4 TO BE FILLED BY THE CORPS)**

1. APPLICATION NO.	2. FIELD OFFICE CODE	3. DATE RECEIVED	4. DATE APPLICATION COMPLETE
--------------------	----------------------	------------------	------------------------------

**(ITEMS BELOW TO BE FILLED BY APPLICANT)**

5. APPLICANT'S NAME First - Dwight      Middle -      Last - Busby Company - Village of Jewett E-mail Address - dwightbusby649@gmail.com			8. AUTHORIZED AGENT'S NAME AND TITLE (agent is not required) First - Jack      Middle -      Last - Ramsey Company - E.L. Robinson Engineering E-mail Address - jramsey@elrobinson.com		
6. APPLICANT'S ADDRESS: Address- 110 West Main Street (PO Box 192) City - Jewitt      State - OH      Zip - 43986      Country - U.S.			9. AGENT'S ADDRESS: Address- 5088 Washington St. West City - Charleston      State - WV      Zip - 25313      Country - U.S.		
7. APPLICANT'S PHONE NOs. w/AREA CODE a. Residence      b. Business      c. Fax 740-381-1810			10. AGENTS PHONE NOs. w/AREA CODE a. Residence      b. Business      c. Fax 304-776-7473      304-776-6426		

**STATEMENT OF AUTHORIZATION**

11. I hereby authorize, Jack Ramsey to act in my behalf as my agent in the processing of this application and to furnish, upon request, supplemental information in support of this permit application.

*Dwight Busby*      *7-30-18*  
SIGNATURE OF APPLICANT      DATE

**NAME, LOCATION, AND DESCRIPTION OF PROJECT OR ACTIVITY**

12. PROJECT NAME OR TITLE (see instructions) Town of Jewett - Water System Improvement Project			
13. NAME OF WATERBODY, IF KNOWN (if applicable) Conhotton Creek & more, see attached stream crossing info sheet		14. PROJECT STREET ADDRESS (if applicable) Address N/A	
15. LOCATION OF PROJECT Latitude: +N 40.368020      Longitude: +W -81.002208		City -	State-      Zip-
16. OTHER LOCATION DESCRIPTIONS, IF KNOWN (see instructions) State Tax Parcel ID      Municipality Section -      Township -      Range -			



17. DIRECTIONS TO THE SITE

From Huntington: Take WV-2 North to I-77 Parkersburg (67 miles). Take I-77 N (86 miles) to Exit 47 and merge onto US-22 E toward Cadiz (38 miles). Take the US-250 E/OH-9 E ramp towards Scio/Cadiz (0.3 miles). Turn right onto OH-9 N/US 250 W/Cadiz-Jewett Road (7.2 miles). Turn right onto OH-151 E/OH-9 N/Jewett Scio Road to Jewett. This is where the project begins.

18. Nature of Activity (Description of project, include all features)

The proposed project will replace the majority of the Village of Jewett's existing of 8, 6, 4 and 2 inch waterlines, fire hydrants, valves, meters and other related appurtenances. There will be seven (7) stream crossings associated with this project.

19. Project Purpose (Describe the reason or purpose of the project, see instructions)

The majority of the Village of Jewett's water distribution system is constructed of cast iron pipe that was constructed in the early 1940's and is in poor condition. The Village has over 65% water loss and has daily maintenance issues. Water meters are currently installed inside of the residences and are outdated.

**USE BLOCKS 20-23 IF DREDGED AND/OR FILL MATERIAL IS TO BE DISCHARGED**

20. Reason(s) for Discharge

21. Type(s) of Material Being Discharged and the Amount of Each Type in Cubic Yards:

Type	Type	Type
Amount in Cubic Yards	Amount in Cubic Yards	Amount in Cubic Yards

22. Surface Area in Acres of Wetlands or Other Waters Filled (see instructions)

Acres  
or  
Linear Feet

23. Description of Avoidance, Minimization, and Compensation (see instructions)

24. Is Any Portion of the Work Already Complete?  Yes  No IF YES, DESCRIBE THE COMPLETED WORK

25. Addresses of Adjoining Property Owners, Lessees, Etc., Whose Property Adjoins the Waterbody (if more than can be entered here, please attach a supplemental list).

a. Address-

City - State - Zip -

b. Address-

City - State - Zip -

c. Address-

City - State - Zip -

d. Address-

City - State - Zip -

e. Address-

City - State - Zip -

26. List of Other Certificates or Approvals/Denials received from other Federal, State, or Local Agencies for Work Described in This Application.

AGENCY	TYPE APPROVAL*	IDENTIFICATION NUMBER	DATE APPLIED	DATE APPROVED	DATE DENIED
ODEP	NPDES		Pending		
ODOT	Highway		Pending		

\* Would include but is not restricted to zoning, building, and flood plain permits

27. Application is hereby made for permit or permits to authorize the work described in this application. I certify that this information in this application is complete and accurate. I further certify that I possess the authority to undertake the work described herein or am acting as the duly authorized agent of the applicant.

\_\_\_\_\_  
SIGNATURE OF APPLICANT

\_\_\_\_\_  
DATE

*Jed Ramsey*  
\_\_\_\_\_  
SIGNATURE OF AGENT

*8/8/18*  
\_\_\_\_\_  
DATE

The Application must be signed by the person who desires to undertake the proposed activity (applicant) or it may be signed by a duly authorized agent if the statement in block 11 has been filled out and signed.

18 U.S.C. Section 1001 provides that: Whoever, in any manner within the jurisdiction of any department or agency of the United States knowingly and willfully falsifies, conceals, or covers up any trick, scheme, or disguises a material fact or makes any false, fictitious or fraudulent statements or representations or makes or uses any false writing or document knowing same to contain any false, fictitious or fraudulent statements or entry, shall be fined not more than \$10,000 or imprisoned not more than five years or both.

Village of Jewett  
Water System Upgrade Project

**DA 4345 Crossing Information**

No.	Coordinates	Name of River/Stream	Length (ft)	Pipe Diameter(in)	Plan Sheet No.
1	N 40.366783° W -81.005931°	Conotton Creek	170	8	5
2	N 40.366056° W -81.005947°	Unnamed Tributary of Conotton Creek	60	6	5
3	N 40.365000° W -81.002500°	Unnamed Tributary of Conotton Creek	40	8	5
4	N 40.366821° W -81.000456°	Jefferson Creek	70	6	3
5	N 40.367497° W -80.996787°	Jefferson Creek	60	8	3
6	N 40.368206° W -80.994719°	Jefferson Creek	60	8	3
7	N 40.368395° W -80.994463°	Jefferson Creek	60	8	3

*Note: All crossings shall be installed by directional drilling method with the exception Crossings No. 1. Length of Crossing No. 1 includes crossing railroad right-of-way.*

## **22A.0 FRAC – OUT CONTINGENCY PLAN**

### **22A.1 INTRODUCTION**

The Village of Jewett proposes to cross the Conotton Creek, Jefferson Creek and unnamed tributaries by Horizontal Directional Drilling (HDD) at seven locations. HDD is less intrusive than traditional open-cut trenching where habitats sustain direct soil disturbance.

Frac-out, or inadvertent return of drilling lubricant, is a potential concern when the HDD is used under sensitive habitats, waterways, wetlands, and areas of concern for natural resources. The HDD procedure uses bentonite slurry, a fine clay material as a drilling lubricant. The bentonite is non-toxic and commonly used in farming practices, but benthic invertebrates, aquatic plants, and fish and their eggs can be smothered by the fine particles if bentonite were discharged to waterways.

The purpose of this Frac-out Contingency Plan is to establish procedures for addressing potential impacts associated with the inadvertent release of drilling fluid during the directional drilling of identified resource crossings. Every effort will be made to prevent a drilling fluid loss from becoming a seepage to the ground surface, stream or wetland. This will be done by maintaining proper drilling fluid parameters (viscosity, mud weight, solids content, etc.) and using controlled drilling practices (fluid pressure, drilling rate, flowrate, trip speed, etc.).

### **22A.2 DRILLING ENTRANCE AND EXIT POINTS**

A pedestrian survey will be conducted of the drilling entry and exit areas, surrounding work areas, and the drilling route (to the fullest extent accessible) to ensure that the work will be conducted outside the boundaries of wetlands. Pedestrian survey will be conducted during the drilling process to monitor for observable frac-out conditions.

A temporary sediment barrier will be installed prior to drilling operations to contain potential releases where determined necessary based on field conditions at the time of drilling.

The drilling entry and exit areas will be surrounded by silt fencing to minimize the potential for migration of drilling mud.

### **22A.3 SMALL STREAM FRAC-OUT**

When a suspected frac-out is identified while drilling a small stream crossing:

- A. The contractor will temporarily suspend forward progress of the drilling operations if excessive loss of bentonite circulation is noted and the surface of the drill path will be examined for release. The drilling equipment should

continue to operate, **at reduced pressure**, so that the drilling hole does not collapse.

- B. If a surface release has occurred, check effectiveness of the sediment barrier, make necessary repairs.
- C. Contact the environmental inspector for the project to document the release and direct the clean-up operations.
- D. Remove the bentonite by shovel or vacuum truck. The bentonite can be used as pipeline backfill.
- E. The affected areas will be restored as closely as possible to their previous condition.
- F. After containment has been achieved, the drilling contractor and the inspector will make every effort to determine why the frac-out occurred and develop corrective measures to minimize the chance of recurrence.

#### **22A.4 LARGE STREAM OR WATERBODY**

Drilling fluid seepage in a large stream or water body may not always be apparent from the surface, due to the volume of water involved, a determination may need to be based solely on the loss of drilling fluid pressure. The following procedures shall be followed in the event of a potential seepage:

- A. The contractor will temporarily suspend forward progress of the drilling operations if excessive loss of bentonite circulation is noted and the water will be examined to determine the presence and/or extent of a sediment plume. The drilling equipment should continue to operate, **at reduced pressure**, so that the drilling hole does not collapse.
- B. Contact the environmental inspector for the project to document the release and direct the clean-up operations.
- C. Small aquatic releases with no visible sediment plume shall be allowed to dissipate since clean-up efforts in these cases could potentially result in increased suspension of sediments in the water column.
- D. In the case of a larger aquatic release with a visible plume extending more than 500 yards from the drilling site, a local environmental spill response company will be contacted to monitor the turbidity levels of the plume, erect sediment barriers and initiate clean up activities where appropriate. Contact information for the local emergency response team will be kept on-site.

- E. The Environmental Inspector will notify appropriate downstream water intake authorities of the existence of any plume which extends 500 yards downstream.
- F. The affected areas will be restored as closely as possible to their previous condition.
- G. A crayfish investigation will be conducted, as necessary.
- H. After containment has been achieved, the drilling contractor and the inspector will make every effort to determine why the frac-out occurred and develop corrective measures to minimize the chance of recurrence.

#### **22A.5 RESPONSE PERSONNEL**

In the event of a frac-out, the person discovering the release will notify the following individuals and initiate the appropriate response steps. The inspector personnel will coordinate notifying the appropriate agencies and obtaining any clearances necessary for clean-up operations. The inspector personnel, pipeline contractor superintendent and directional drilling superintendent will coordinate all response activities.

##### **PIPELINE INSPECTOR:**

Name:  
Cell Phone:  
Office Phone:

##### **ENVIRONMENTAL PROFESSIONAL:**

Name:  
Cell Phone:  
Office Phone:

##### **PIPELINE CONTRACTOR SUPERINTENDENT:**

Name:  
Cell Phone:  
Office Phone:

##### **DIRECTIONAL DRILLING SUPERINTENDENT:**

Name:  
Cell Phone:  
Office Phone:

##### **EMERGENCY RESPONSE CONTRACTOR:**

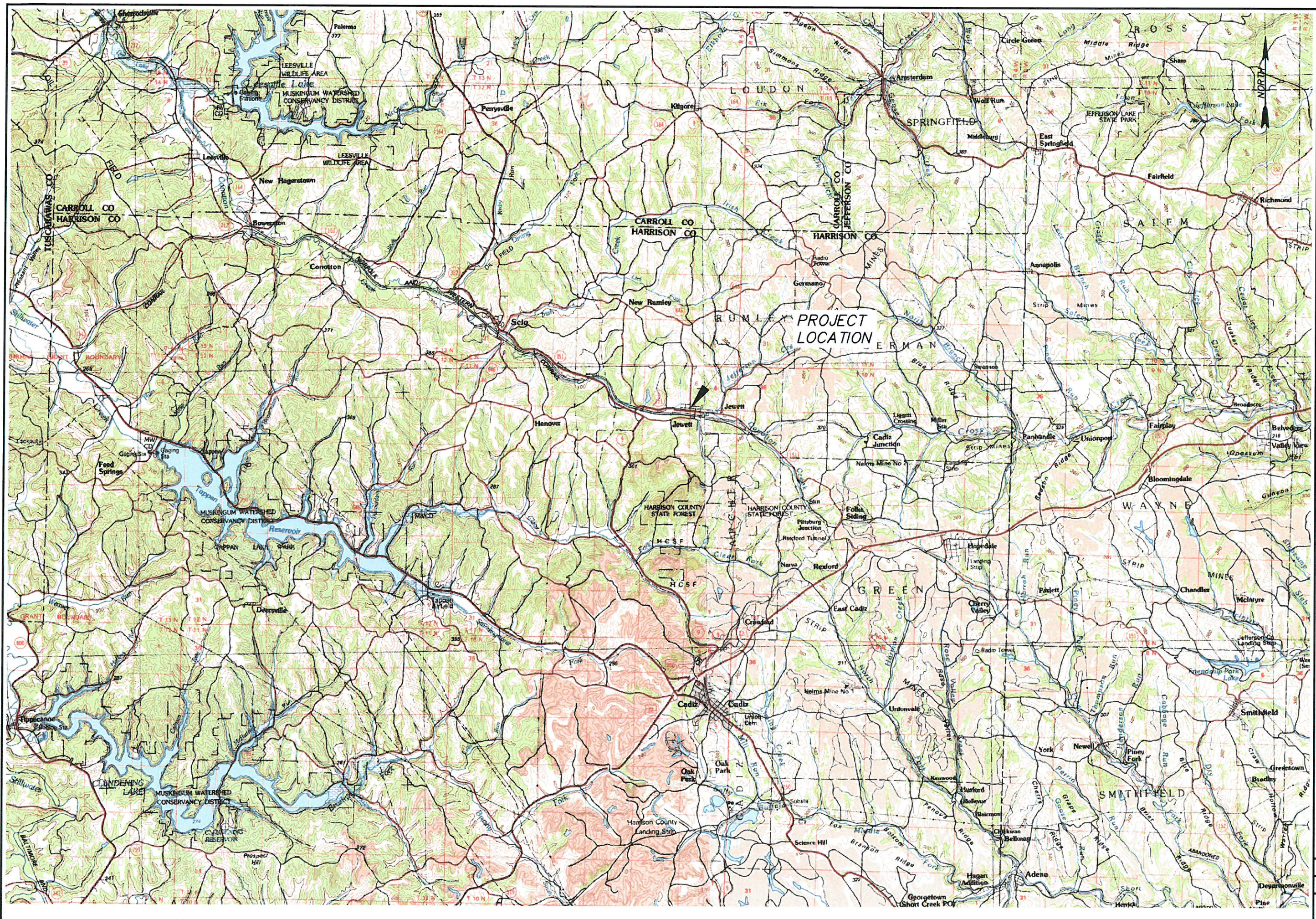
Name:  
Company:  
Cell Phone:  
Office Phone:


## **22A.6 RESPONSE EQUIPMENT**

The following is a minimum list of response equipment that will be kept on site:

1. Sandbags
2. Hand Tools
3. Portable pumps and hoses
4. Hay Bales
5. Silt Fence
6. Spill Kits
7. Backhoe or excavator

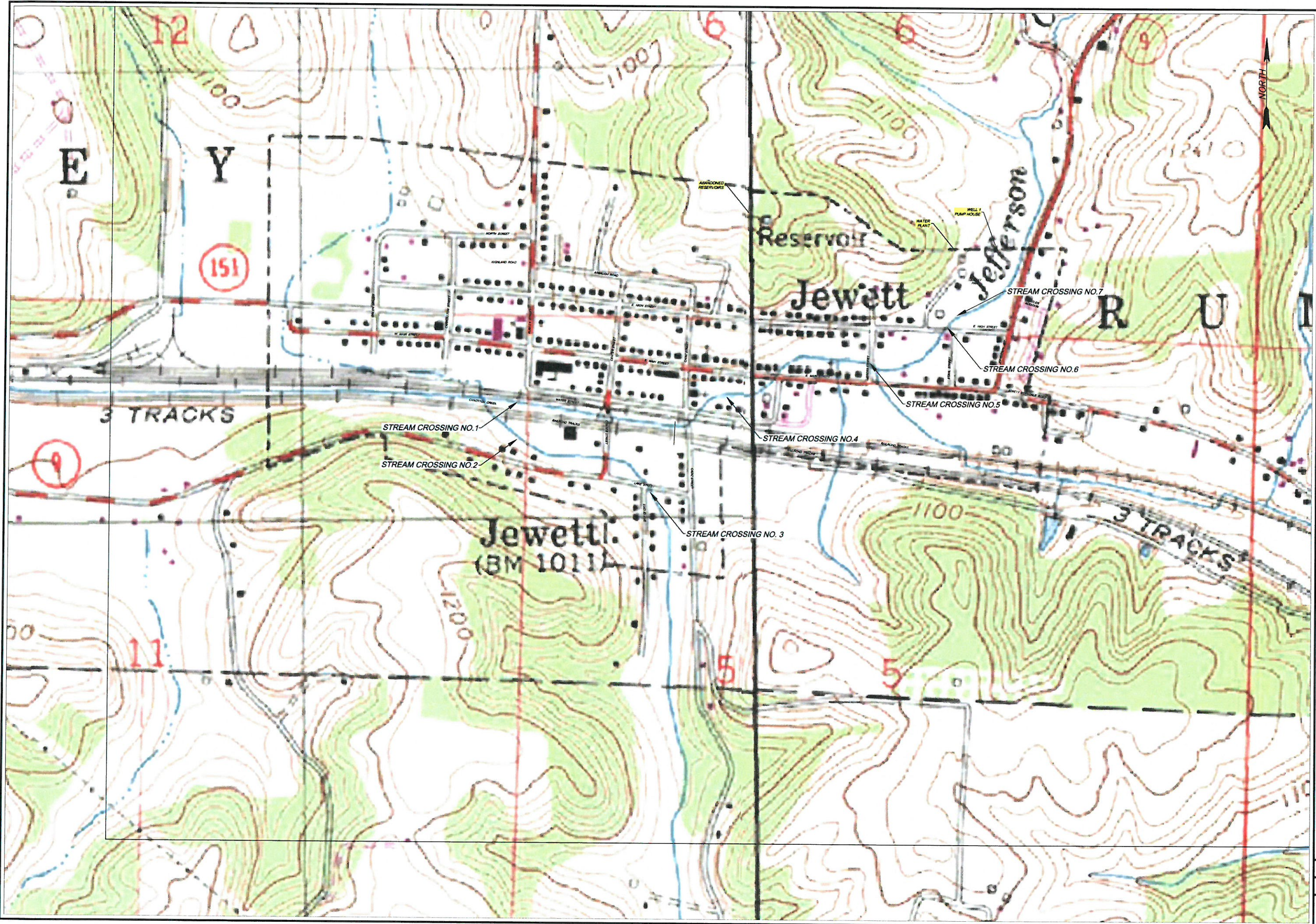
Printed by: mapinfo\jgallenier\1018050\_jewett\_water\_system\_improvements\permit\concurrency\map.dwg



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PLANS PREPARED FOR: VILLAGE OF JEWETT WATER DEPARTMENT HARRISON COUNTY, OHIO		NOT TO SCALE	
<b>JEWETT WATER DISTRIBUTION SYSTEM IMPROVEMENTS</b>		<b>VICINITY MAP</b>	
PROJECT NUMBER	1018050	DATE	8-8-2018
SHEET NUMBER	1	NO.	DATE
		REVISION	BY



Plotted by: [unreadable] 10/18/2018 - Jewett - water system improvements permit stream crossings.dwg



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PLANS PREPARED FOR:  
 VILLAGE OF JEWETT WATER DEPARTMENT  
 HARRISON COUNTY, OHIO

GRAPHIC SCALE  
 0 XX' XX' XX'

NO.	DATE	REVISION	BY

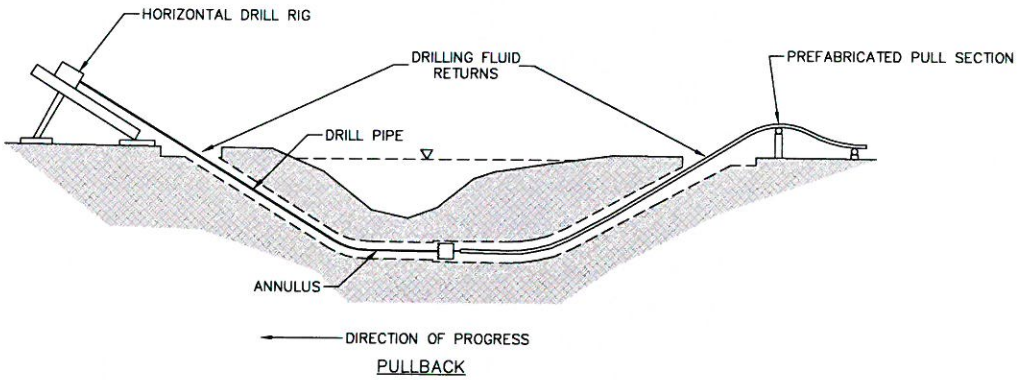
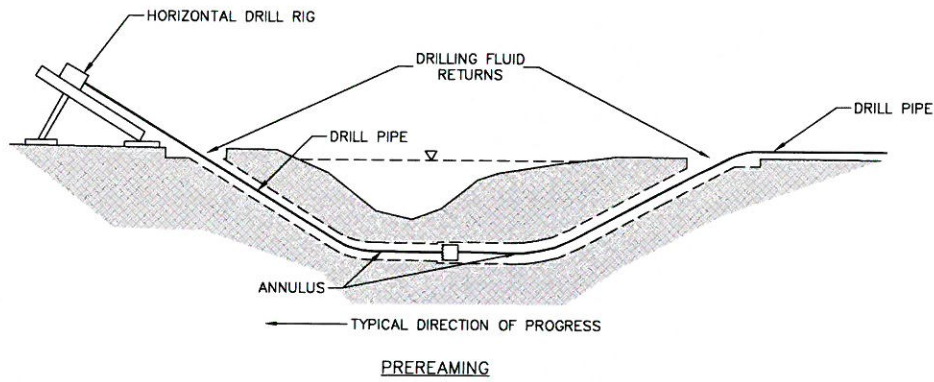
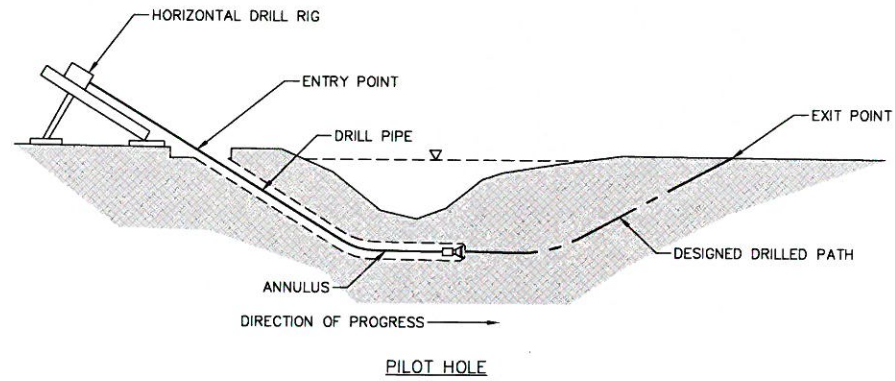
**JEWETT WATER DISTRIBUTION SYSTEM IMPROVEMENTS**

**STREAM CROSSINGS**

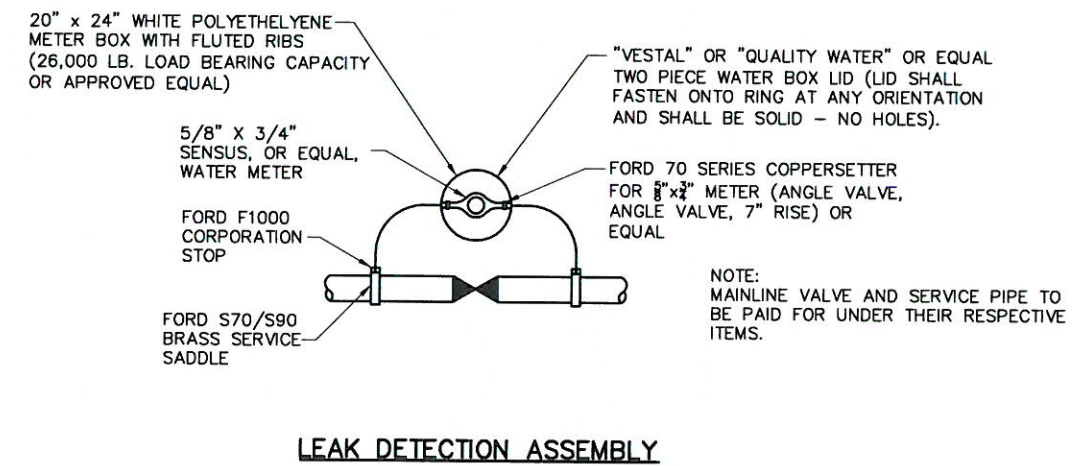
PROJECT NUMBER  
1018050

DATE  
8/9/2018

SHEET NUMBER  
**2**



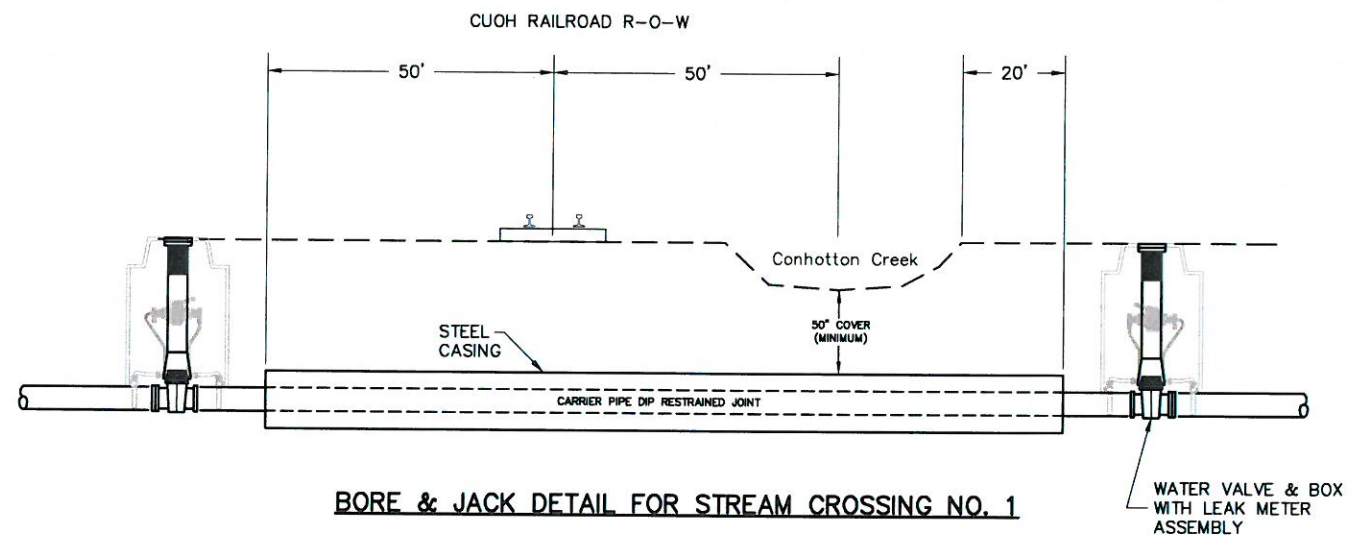
**TYPICAL DIRECTIONAL DRILLING STREAM CROSSING PROCEDURE**



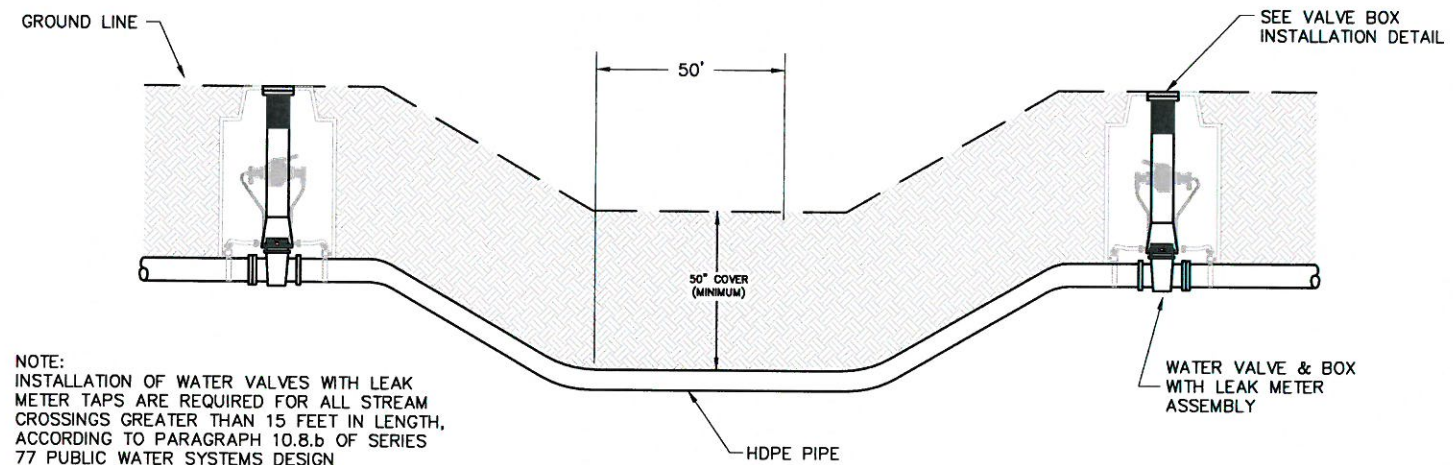
**LEAK DETECTION ASSEMBLY**

**SEDIMENT AND EROSION CONTROL NOTES**

1. CONSTRUCT IN ACCORDANCE WITH THESE PLANS AND THE WEST VIRGINIA EROSION AND SEDIMENT CONTROL HANDBOOK FOR DEVELOPING AREAS (USDA/SCS). THE IMPLEMENTATION OF SOIL EROSION AND SEDIMENT CONTROL SHALL ALSO CONFORM TO THE REQUIREMENTS OF THE WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION (WVDEP) UNDER THE NPDES PERMIT. IF CONFLICTS EXIST REGARDING THE SOIL AND SEDIMENT CONTROL PRACTICES, THE MORE RESTRICTIVE SHALL APPLY.
2. SEE SECTION 02120 - EROSION CONTROL, OF THE CONSTRUCTION DOCUMENTS FOR ADDITIONAL INFORMATION.
3. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL SUBMIT A PLAN FOR APPROVAL SHOWING THE SCHEDULE OF SEDIMENT AND EROSION CONTROL OPERATIONS.
4. WHERE CONSTRUCTION ACTIVITY TAKES PLACE WITHIN 100' OF ANY STREAM, SILT FENCE SHALL BE INSTALLED BETWEEN THE CONSTRUCTION ACTIVITY AND THE STREAM. SILT FENCE SHALL BE LEFT IN PLACE UNTIL DISTURBED AREA IS COMPLETELY RE-VEGETATED.
5. ALL DISTURBED AREAS SHALL BE RETURNED TO THEIR ORIGINAL CONTOURS, SEEDED AND MULCHED AS SOON AS PRACTICAL TO AVOID EROSION, FUTURE SCOURING OR CHANGE IN FLOW HYDRODYNAMICS.



**BORE & JACK DETAIL FOR STREAM CROSSING NO. 1**



**TYPICAL DIRECTIONAL DRILLING STREAM CROSSINGS NO.2 TROUGH NO.7**

NO.	DATE	REVISION	BY

PLANS PREPARED FOR:  
 VILLAGE OF JEWETT  
 HARRISON COUNTY, OHIO

NOT TO SCALE

**WATER SYSTEM IMPROVEMENT PROJECT**

**STREAM CROSSING DETAILS**

PROJECT NUMBER	1018050
DATE	8/9/2018
SHEET NUMBER	3

Plotted by: jmw@elrobinson.com Date: 8/9/2018 10:18:50 AM File: jmw@elrobinson.com\projects\1018050\stream crossing details.dwg

# **ATTACHMENT D**

**NATIONAL WETLANDS INVENTORY MAP**

**WEB SOIL SURVEY**



February 26, 2019

### Wetlands

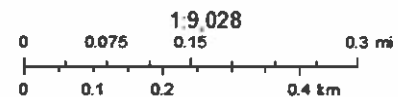
- |                                |                                   |       |
|--------------------------------|-----------------------------------|-------|
| Estuarine and Marine Deepwater | Freshwater Emergent Wetland       | Lake  |
| Estuarine and Marine Wetland   | Freshwater Forested/Shrub Wetland | Other |
| Freshwater Pond                | 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.

# Soil Survey



March 1, 2019



Source: USDA Natural Resources Conservation Service  
U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning

View Soil Information By Use: All Uses

[Printable Version](#) | [Add to Shopping Cart](#)

**Search**

← → Clear Search

**Basic Search**

Enter keywords

**Advanced Search**

← → Clear Search

**"Jewett, Ohio": No match.**

**Soil Reports**

Open All Close All

- AOI Inventory**
- Building Site Development
  - Construction Materials
  - Disaster Recovery Planning
  - Land Classifications
  - Land Management
  - Recreational Development
  - Sanitary Facilities
  - Soil Chemical Properties
  - Soil Erosion
  - Soil Health
  - Soil Physical Properties
  - Soil Qualities and Features
  - Vegetative Productivity
  - Waste Management
- Water Features**

**Hydrologic Soil Group and Surface Runoff**

[View Description](#) | [View Soil Report](#)

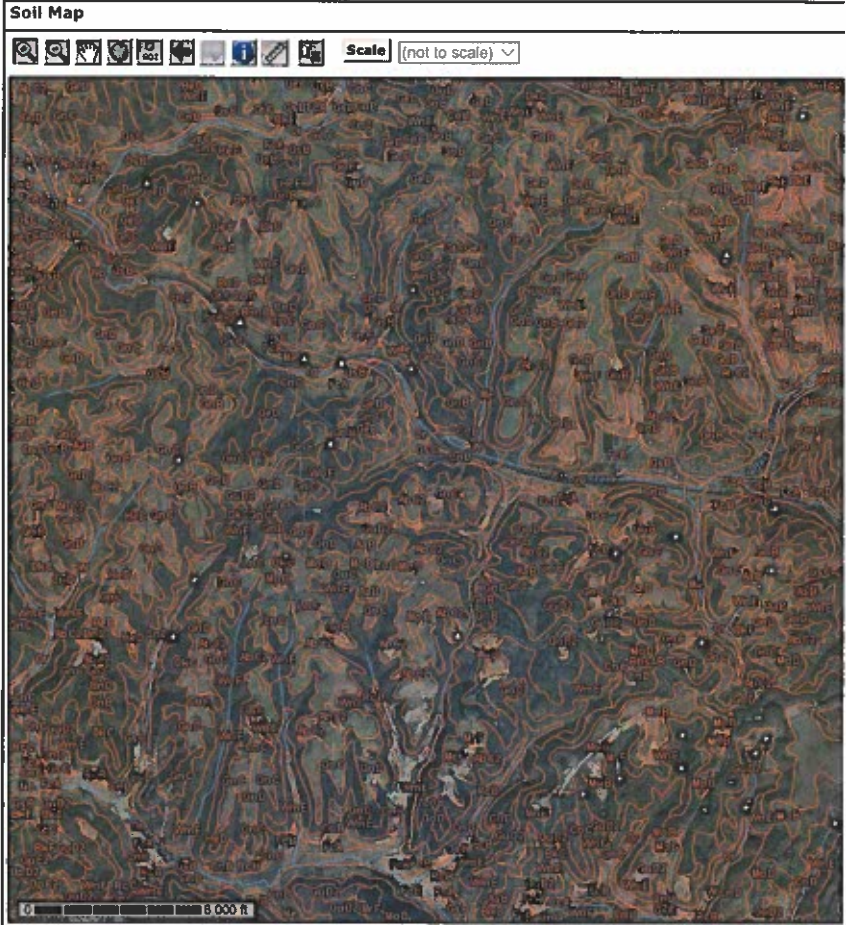
**Options**

Include minor soils?

[View Description](#) | [View Soil Report](#)

**Water Features**

- Water Management**
- Irrigation - General and Sprinkler
  - Irrigation - Micro
  - Irrigation - Surface
  - Ponds and Embankments (OH)
  - Waterways, Terraces and Diversions, and Drainage (OH)



**Report – Hydrologic Soil Group and Surface Runoff**

Absence of an entry indicates that the data were not estimated. The dash indicates no documented presence

**Harrison County, Ohio**

Map symbol and soil name	Pct. of map unit	Surface Runoff	Hydrologic Soil Group
AaB—Aaron silt loam, 2 to 6 percent slopes			
Aaron	85	High	D
Keene	8	—	—
Somewhat poorly drained soils	7	—	—
Silty clay loam surface layer		—	—
AbC2—Aaron silty clay loam, 6 to 15 percent slopes, eroded			
Aaron	85	Very high	D
Berks	4	—	—
Coshocton	4	—	—
Gilpin	4	—	—
Somewhat poorly drained soils	3	—	—
Better drained soils		—	—

Harrison County, Ohio			
Carbonates closer to the surface		—	—
Silt loam surface layer		—	—
AcC—Aaron silt loam, 8 to 15 percent slopes			
Aaron	85	Very high	D
Gilpin	8	—	—
Severely eroded areas	7	—	—
Better drained soils		—	—
Less clay in the subsoil		—	—
BeC—Berks channery silt loam, 8 to 15 percent slopes			
Berks	85	—	B
Weikert	10	—	D
Coshocton	5	—	C/D
Bhk4D—Bethesda channery silt loam, 8 to 25 percent slopes, unreclaimed, highwall			
Bethesda, unreclaimed, unstable fill	84	—	D
Morristown, unreclaimed, unstable fill	14	—	D
Rock outcrop, highwall	1	—	—
Typic epiaquents, unreclaimed, unstable fill	1	—	B/D
Bhk4F—Bethesda channery silt loam, 25 to 70 percent slopes, unreclaimed, highwall			
Bethesda, unreclaimed, unstable fill	85	—	D
Morristown, unreclaimed, unstable fill	14	—	D
Rock outcrop, highwall	1	—	—
Bhs4B—Bethesda channery silt loam, 0 to 8 percent slopes, unreclaimed			
Bethesda, unreclaimed, unstable fill	85	—	D
Morristown, unreclaimed, unstable fill	14	Low	D
Typic epiaquents, unreclaimed, unstable fill	1	—	B/D
Bhs4D—Bethesda channery silt loam, 8 to 25 percent slopes, unreclaimed			
Bethesda, unreclaimed, unstable fill	85	—	D
Morristown, unreclaimed, unstable fill	14	—	D
Typic epiaquents, unreclaimed, unstable fill	1	—	B/D
Bhs4F—Bethesda channery silt loam, 25 to 70 percent slopes, unreclaimed			
Bethesda, unreclaimed, unstable fill	85	—	D
Morristown, unreclaimed, unstable fill	15	—	D
Bht1D—Bethesda silt loam, 8 to 25 percent slopes, reclaimed, highwall			
Bethesda, reclaimed, unstable fill	84	—	D
Morristown, reclaimed, unstable fill	14	—	D

<b>Harrison County, Ohio</b>			
Rock outcrop, highwall	1	--	--
Typic epiaquents, reclaimed, unstable fill	1	--	C/D
<b>Bht1F—Bethesda silt loam, 25 to 70 percent slopes, reclaimed, highwall</b>			
Bethesda, reclaimed, unstable fill	85	--	D
Morristown, reclaimed, unstable fill	14	--	D
Rock outcrop, highwall	1	--	--
<b>Bhv1B—Bethesda silt loam, 0 to 8 percent slopes, reclaimed</b>			
Bethesda, reclaimed, unstable fill	85	--	D
Morristown, reclaimed, unstable fill	14	--	D
Typic epiaquents, reclaimed, unstable fill	1	--	C/D
<b>Bhv1D—Bethesda silt loam, 8 to 25 percent slopes, reclaimed</b>			
Bethesda, reclaimed, unstable fill	85	--	D
Morristown, reclaimed, unstable fill	14	--	D
Typic epiaquents, reclaimed, unstable fill	1	--	C/D
<b>Bhv1F—Bethesda silt loam, 25 to 70 percent slopes, reclaimed</b>			
Bethesda, reclaimed, unstable fill	85	--	D
Morristown, reclaimed, unstable fill	15	--	D
<b>BkC—Berks channery silt loam, 6 to 15 percent slopes</b>			
Berks	85	Medium	B
Aaron	8	--	--
Gilpin	7	--	--
Less than 20 inches to bedrock		--	--
<b>BkD—Berks channery silt loam, 15 to 25 percent slopes</b>			
Berks	85	--	B
Weikert	10	--	D
Guernsey	5	--	C/D
<b>BkE—Berks channery silt loam, 25 to 35 percent slopes</b>			
Berks	85	--	B
Weikert	8	--	D
Guernsey	7	--	C/D
<b>BkF—Berks channery silt loam, 35 to 70 percent slopes</b>			
Berks	85	--	B
Weikert	8	--	D
Guernsey	7	--	C/D
<b>BmC—Berks-Aaron complex, 6 to 15 percent slopes</b>			
Berks	60	Medium	B
Aaron	25	Very high	D
Coshocton	3	--	--
Gilpin	3	--	--
Shallow soils	3	--	--



Harrison County, Ohio			
Somewhat poorly drained soils	3	—	—
Westmoreland	3	—	—
<b>BnC—Berks-Guernsey complex, 8 to 15 percent slopes</b>			
Berks	55	High	B
Guernsey	30	High	C
Coshocton	4	—	—
Gilpin	4	—	—
Westmoreland	4	—	—
Somewhat poorly drained soils in seeps	3	—	—
Berks with fewer rock fragments in the surface layer		—	—
Better drained guernsey		—	—
Eroded guernsey with a silty clay loam surface layer		—	—
<b>BnD—Berks-Guernsey complex, 15 to 25 percent slopes</b>			
Berks	55	Medium	B
Guernsey	30	High	C
Coshocton	4	—	—
Gilpin	4	—	—
Shallow soils	4	—	—
Somewhat poorly drained soils	3	—	—
Eroded areas with silty clay loam surface layer		—	—
Fewer rock fragments in the surface layer		—	—
Redder soils with more clay in the subsoil		—	—
<b>BnE—Berks-Guernsey complex, 25 to 40 percent slopes</b>			
Berks	50	Medium	B
Guernsey	35	High	C
Coshocton	3	—	—
Gilpin	3	—	—
Shallow soils	3	—	—
Somewhat poorly drained soils	3	—	—
Westmoreland	3	—	—
Redder soils with more clay in the subsoil		—	—
<b>BsD—Brookside silty clay loam, 15 to 25 percent slopes</b>			
Brookside	80	—	C
Clarksburg	10	—	C/D
Richland	10	—	B
<b>BsE—Brookside silty clay loam, 25 to 40 percent slopes</b>			
Brookside	80	—	C
Clarksburg	10	—	C/D
Richland	10	—	B
<b>Ca—Canadice silty clay loam</b>			

Harrison County, Ohio			
Canadice	85	Very high	D
Caneadea	8	—	—
Nolin	7	—	—
Silt loam surface layer		—	—
CcA—Caneadea silty clay loam, 0 to 2 percent slopes			
Caneadea	85	Very high	D
Canadice	15	—	—
Silt loam surface layer		—	—
CnB—Coshocton silt loam, 2 to 6 percent slopes			
Coshocton	85	Low	C
Gilpin	5	—	—
Guernsey	5	—	—
Keene	5	—	—
CnC—Coshocton silt loam, 6 to 15 percent slopes			
Coshocton	85	Medium	C
Gilpin	5	—	—
Guernsey	5	—	—
Keene	5	—	—
Well drained soils		—	—
CnD—Coshocton silt loam, 15 to 25 percent slopes			
Coshocton	85	High	C
Gilpin	8	—	—
Guernsey	7	—	—
Better drained soils		—	—
CrD—Coshocton-Guernsey silt loams, 15 to 25 percent slopes			
Coshocton	60	High	C
Guernsey	30	Very high	C
Areas in the flood pools of dams	5	—	—
Hazleton	5	—	—
CrE—Coshocton-Guernsey silt loams, 25 to 40 percent slopes			
Coshocton	60	High	C
Guernsey	30	Very high	C
Areas in the flood pools of dams	5	—	—
Hazleton	5	—	—
DbC—Dekalb channery loam, 8 to 15 percent slopes			
Dekalb	85	—	A
Gilpin	5	—	C
Weikert	5	—	D
Westmoreland	5	—	B
DkC—Dekalb channery loam, 6 to 15 percent slopes			
Dekalb	85	Very low	A
Gilpin	15	—	—
Bedrock at 40 to 60 inches		—	—

Harrison County, Ohio			
<b>Dm—Dumps, mine</b>			
Dumps	90	—	—
Morristown	5	—	—
Natural soils	5	—	—
<b>EaC2—Elba silty clay loam, 8 to 15 percent slopes, eroded</b>			
Elba	90	—	D
Berks	5	—	B
Westmoreland	5	—	B
<b>FaB—Fairpoint silty clay loam, 0 to 8 percent slopes</b>			
Fairpoint, unstable fill	95	—	D
Bethesda, unstable fill	5	—	D
Barkcamp, unstable fill	0	—	C
Water	0	—	—
<b>FaD—Fairpoint silty clay loam, 8 to 25 percent slopes</b>			
Fairpoint, unstable fill	95	—	D
Bethesda, unstable fill	5	—	D
Barkcamp, unstable fill	0	—	C
Rock outcrop	0	—	—
<b>FaE—Fairpoint silty clay loam, 25 to 40 percent slopes</b>			
Fairpoint, unstable fill	95	—	D
Bethesda, unstable fill	5	—	D
<b>FbB—Fairpoint gravelly clay loam, 0 to 8 percent slopes</b>			
Fairpoint	80	High	C
Bethesda	10	—	—
Poorly drained soils	10	—	—
<b>FcA—Fitchville silt loam, 0 to 3 percent slopes</b>			
Fitchville	85	—	C/D
Glenford	10	—	C/D
Sebring	5	—	C/D
<b>FcB—Fitchville silt loam, 3 to 8 percent slopes</b>			
Fitchville	85	—	C/D
Glenford	10	—	C/D
Sebring	5	—	C/D
<b>GeC—Germano fine sandy loam, 6 to 15 percent slopes</b>			
Germano	85	Low	B
Dekalb	8	—	—
Gilpin	7	—	—
Loam surface layer		—	—
<b>GeD—Germano fine sandy loam, 15 to 25 percent slopes</b>			
Germano	85	Medium	B
Dekalb	8	—	—
Gilpin	7	—	—
Loam surface layer		—	—

Harrison County, Ohio			
<b>GmC—Gilpin silt loam, 8 to 15 percent slopes</b>			
Gilpin	85	Medium	C
Berks	15	—	—
Bedrock at 40 to 60 inches			
<b>GnB—Gilpin silt loam, 3 to 8 percent slopes</b>			
Gilpin	85	—	C
Berks	5	—	B
Coolville	5	—	D
Coshocton	5	—	C/D
<b>GnC—Gilpin silt loam, 8 to 15 percent slopes</b>			
Gilpin	80	—	C
Upshur	10	—	D
Berks	5	—	B
Coshocton	5	—	C/D
<b>GnD—Gilpin silt loam, 15 to 25 percent slopes</b>			
Gilpin	85	—	C
Berks	5	—	B
Coolville	5	—	D
Coshocton	5	—	C/D
<b>GoC—Gilpin-Coshocton complex, 6 to 15 percent slopes</b>			
Gilpin	55	Medium	C
Coshocton	30	Medium	C
Berks	8	—	—
Guernsey	7	—	—
Well drained soils with bedrock at 40 to 60 inches			
<b>GoD—Gilpin-Coshocton complex, 15 to 25 percent slopes</b>			
Gilpin	55	High	C
Coshocton	30	High	C
Berks	8	—	—
Guernsey	7	—	—
Well drained soils with bedrock at 40 to 60 inches			
<b>GpC—Gilpin-Lowell complex, 6 to 15 percent slopes</b>			
Gilpin	55	Medium	C
Lowell	30	Medium	B
Berks	15	—	—
Medium textured soils with bedrock at 40 to 60 inches			
Silty clay loam surface layer			
Wetter soils			
<b>GpD—Gilpin-Lowell silt loams, 15 to 25 percent slopes</b>			
Gilpin	55	—	C
Lowell	35	—	C

Harrison County, Ohio			
Berks	10	—	—
GsB—Glenford silt loam, 3 to 8 percent slopes			
Glenford	85	—	C/D
Fitchville	10	—	C/D
Sebring	5	—	C/D
GsC—Glenford silt loam, 8 to 15 percent slopes			
Glenford	85	—	C/D
Mentor	10	—	B
Fitchville	5	—	C/D
GtC—Guernsey silt loam, 8 to 15 percent slopes			
Guernsey	85	—	C/D
Berks	5	—	B
Coshocton	5	—	C/D
Westmoreland	5	—	B
GuD2—Guernsey silty clay loam, 15 to 25 percent slopes, eroded			
Guernsey	85	Very high	C
Berks	5	—	—
Gilpin	5	—	—
Upshur	5	—	—
Silt loam surface layer			
		—	—
GuE2—Guernsey silty clay loam, 25 to 40 percent slopes, eroded			
Guernsey	85	Very high	C
Gilpin	8	—	—
Upshur	7	—	—
GwC—Guernsey silt loam, 8 to 15 percent slopes			
Guernsey	80	High	C
Claysville	10	—	—
Westmoreland	10	—	—
Well drained soils			
		—	—
GwD2—Guernsey silt loam, 15 to 25 percent slopes			
Guernsey	80	—	C/D
Culleoka	10	—	B
Berks	5	—	B
Westmoreland	5	—	B
HaF—Hazleton channery loam, 25 to 70 percent slopes, stony			
Hazleton	85	Medium	A
Sandstone escarpments			
		15	—
Bedrock at 20 to 40 inches			
		—	—
HeD—Hazleton channery sandy loam, 15 to 25 percent slopes			
Hazleton	85	Medium	A
Gilpin	15	—	—
Bedrock at 20 to 40 inches			
		—	—

Harrison County, Ohio			
<b>HeE—Hazleton channery sandy loam, 25 to 40 percent slopes</b>			
Hazleton	85	Medium	A
Westmoreland	8	—	—
Rigley	7	—	—
Bedrock at 20 to 40 inches			
—			
<b>HeF—Hazleton channery sandy loam, 40 to 70 percent slopes</b>			
Hazleton	85	Medium	A
Westmoreland	8	—	—
Rigley	7	—	—
Bedrock at 20 to 40 inches			
—			
<b>HgD—Hazleton channery loam, 15 to 25 percent slopes</b>			
Hazleton	85	—	A
Germano	5	—	B
Guernsey	5	—	C/D
Westmoreland	5	—	B
<b>KeB—Keene silt loam, 3 to 8 percent slopes</b>			
Keene	90	—	C/D
Gilpin	10	—	C
<b>LnC—Lowell silt loam, 8 to 15 percent slopes</b>			
Lowell	85	—	C
Culleoka	8	—	B
Guernsey	7	—	C/D
<b>LoD2—Lowell silty clay loam, 15 to 25 percent slopes, eroded</b>			
Lowell	80	—	C
Culleoka	10	—	B
Guernsey	10	—	C/D
<b>LoE2—Lowell silty clay loam, 25 to 40 percent slopes, eroded</b>			
Lowell	85	High	B
Berks	8	—	—
Westmoreland	7	—	—
Carbonates in the subsoil			
—			
Moderately well drained soils			
—			
<b>LrE—Lowell-Westmoreland silt loams, 25 to 35 percent slopes</b>			
Lowell	45	—	C
Westmoreland	30	—	B
Library	15	—	C/D
Culleoka	10	—	B
<b>LrF—Lowell-Westmoreland silt loams, 35 to 70 percent slopes</b>			
Lowell	45	—	C
Westmoreland	30	—	B
Berks	15	—	B
Library	10	—	C/D

Harrison County, Ohio			
<b>Me—Melvin silt loam, frequently ponded, 0 to 3 percent slopes</b>			
Melvin	90	—	B/D
Newark	10	—	B/D
<b>MnB—Morristown silty clay loam, 0 to 8 percent slopes</b>			
Morristown, unstable fill	95	—	D
Fairpoint, unstable fill	5	—	D
<b>MnD—Morristown silty clay loam, 8 to 25 percent slopes</b>			
Morristown, unstable fill	95	—	D
Fairpoint, unstable fill	5	—	D
Rock outcrop	0	—	—
Water	0	—	—
<b>MoB—Morristown channery silty clay loam, 0 to 8 percent slopes, stony</b>			
Morristown, unstable fill	90	—	D
Fairpoint, unstable fill	5	—	D
Unnamed, hydric	5	—	—
<b>MoD—Morristown channery silty clay loam, 8 to 25 percent slopes, stony</b>			
Morristown, unstable fill	85	—	D
Fairpoint, unstable fill	5	—	D
Unnamed, hydric	5	—	—
Water	5	—	—
<b>MoE—Morristown channery silty clay loam, 25 to 40 percent slopes, stony</b>			
Morristown, unstable fill	90	—	D
Fairpoint, unstable fill	10	—	D
<b>MpC—Morristown silty clay loam, 3 to 15 percent slopes</b>			
Morristown, unstable fill	95	—	D
Fairpoint, unstable fill	5	—	D
<b>MrF—Morristown channery silt loam, 25 to 70 percent slopes, bouldery</b>			
Morristown, unstable fill	90	—	D
Fairpoint, unstable fill	5	—	D
Unnamed, hydric	5	—	—
Rock outcrop	0	—	—
Water	0	—	—
<b>Ne—Newark silt loam, 0 to 3 percent slopes, frequently flooded</b>			
Newark, frequently flooded	85	Low	B/D
Lobdell, frequently flooded	5	Low	B/D
Melvin, frequently flooded	5	Negligible	B/D
Nolin, frequently flooded	5	Very low	B
<b>No—Nolin silt loam, 0 to 3 percent slopes, occasionally flooded</b>			
Nolin, occasionally flooded	85	—	B
Grigsby, frequently flooded	5	—	A
Melvin, occasionally flooded	5	—	B/D

Harrison County, Ohio			
Newark, frequently flooded	5	—	B/D
Np—Nolin silt loam, 0 to 3 percent slopes, frequently flooded			
Nolin	90	—	B
Melvin	5	—	B/D
Newark	5	—	B/D
Omm1B1—Omulga silt loam, mixed substratum, 2 to 6 percent slopes			
Omulga, mixed mineralogy substratum phase	85	Medium	C
Gilpin	6	Medium	C
Allegheny	4	Low	B
Doles	3	Low	C/D
Vincent	2	Medium	C
Omm1C1—Omulga silt loam, mixed substratum, 6 to 12 percent slopes			
Omulga, mixed mineralogy substratum phase	85	High	C
Gilpin	7	Medium	C
Allegheny	5	Medium	B
Vincent	3	Medium	C
Or—Orrville silt loam, 0 to 3 percent slopes, occasionally flooded			
Orrville	85	—	B/D
Lobdell	5	—	B/D
Melvin	5	—	B/D
Nolin	5	—	B
OsB—Oshtemo loam, 2 to 6 percent slopes			
Oshtemo	85	Very low	A
Glenford	15	—	—
More silt and clay in the substratum		—	—
Pe—Peoga silt loam, rarely flooded			
Peoga	85	High	C/D
Somewhat poorly drained soils	15	—	—
More clay in the subsoil and substratum		—	—
Pm—Pits, mine			
Pits, mine	100	—	—
RcB—Richland silt loam, 2 to 6 percent slopes			
Richland	85	Low	B
Moderately well drained soils	8	—	—
Nolin	7	—	—
Gravelly loam surface layer		—	—
RcC—Richland silt loam, 6 to 15 percent slopes			
Richland	85	Medium	B
Moderately well drained soils	15	—	—
Gravelly loam surface layer		—	—
RgD—Rigley loam, 15 to 25 percent slopes			



Harrison County, Ohio			
Rigley	85	Low	A
Dekalb	8	—	—
Gilpin	7	—	—
Shallower to bedrock		—	—
RgE—Rigley loam, 25 to 40 percent slopes			
Rigley	85	Medium	A
Hazleton	15	—	—
Shallower to bedrock		—	—
Tg—Tioga silt loam, occasionally flooded			
Tioga	90	Very low	A
Melvin	5	Low	—
Orrville	5	—	—
More clay in the subsoil and upper part of the substratum		—	—
Ua—Udorthents			
Udorthents	100	—	—
Uc—Udorthents-Pits complex			
Udorthents	60	—	—
Pits	30	Very low	—
Moderately deep and deep soils	5	—	—
Temporary sedimentation ponds	5	—	—
UpC2—Upshur silty clay loam, 6 to 15 percent slopes, eroded			
Upshur	85	Very high	C
Berks	4	—	—
Guernsey	4	—	—
Lowell	4	—	—
Aaron	3	—	—
Silty clay surface layer		—	—
UpD2—Upshur silty clay loam, 15 to 25 percent slopes, eroded			
Upshur	85	Very high	C
Berks	4	—	—
Gilpin	4	—	—
Lowell	4	—	—
Guernsey	3	—	—
Silt loam surface layer		—	—
W—Water			
Water	100	—	—
WhC—Westmoreland silt loam, 8 to 15 percent slopes			
Westmoreland	80	—	B
Berks	10	—	B
Coshocton	10	—	C/D
WhD—Westmoreland silt loam, 15 to 25 percent slopes			
Westmoreland	80	—	B
Berks	10	—	B
Coshocton	10	—	C/D

Harrison County, Ohio			
<b>WhE—Westmoreland silt loam, 25 to 35 percent slopes</b>			
Westmoreland	80	—	B
Berks	10	—	B
Coshocton	10	—	C/D
<b>WmE—Westmoreland-Coshocton complex, 25 to 40 percent slopes</b>			
Westmoreland	60	High	B
Coshocton	30	High	C
Guernsey	5	—	—
Hazleton	5	—	—
Bedrock at 20 to 40 inches		—	—
<b>WnE—Westmoreland-Dekalb complex, 25 to 40 percent slopes</b>			
Westmoreland	55	High	B
Dekalb	30	Low	A
Rigley	15	—	—
Channery loam surface layer		—	—
Gray mottles in the lower part of the subsoil		—	—
Many sandstone fragments in subsoil; bedrock at 40-60 inches		—	—
Silt loam surface layer		—	—
<b>WnF—Westmoreland-Dekalb complex, 40 to 70 percent slopes</b>			
Westmoreland	55	High	B
Dekalb	30	Low	A
Rigley	15	—	—
Channery loam surface layer		—	—
Gray mottles in the lower part of the subsoil		—	—
Many sandstone fragments in subsoil; bedrock at 40-60 inches		—	—
Silt loam surface layer		—	—
<b>WoF—Westmoreland-Dekalb complex, 25 to 70 percent slopes, extremely bouldery</b>			
Westmoreland	50	High	B
Dekalb	40	Low	A
Guernsey	10	—	—
Channery loam surface layer		—	—
Many sandstone fragments throughout; bedrock at 40-60 inches		—	—
Medium textured soils; bedrock at 20 to 40 inches		—	—
<b>WpC—Westmoreland silt loam, 8 to 15 percent slopes</b>			
Westmoreland	85	Medium	B
Berks	15	—	—
Bedrock at 20 to 40 inches		—	—
<b>WrD—Westmoreland-Guernsey silt loams, 15 to 25 percent slopes</b>			

Harrison County, Ohio			
Westmoreland	60	—	B
Guernsey	25	—	C/D
Berks	10	—	B
Hazleton	5	—	A
WtD—Westmoreland-Coshocton silt loams, 15 to 25 percent slopes			
Westmoreland	60	High	B
Coshocton	25	Very high	C
Berks	4	—	—
Culleoka	4	—	—
Guernsey	3	—	—
Hazleton	3	—	—
Flood pool areas	1	—	—

**Description -- Hydrologic Soil Group and Surface Runoff**

**Water Features**

This table gives estimates of various soil water features. The estimates are used in land use planning that involves engineering considerations.

*Hydrologic soil groups* are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

*Surface runoff* refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based on slope, climate, and vegetative cover. The concept indicates relative runoff for very specific conditions. It is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal. The classes are negligible, very low, low, medium, high, and very high.

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Search

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Basic Search

Enter keywords

Advanced Search

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**"Jewett, Ohio": No match.**

Map Unit Legend

Harrison County, Ohio (OH067)

Harrison County, Ohio (OH067)

Map Unit Symbol	Map Unit Name	Acres in AOI	Per of
AaB	Aaron silt loam, 2 to 6 percent slopes	871.1	0
AbC2	Aaron silty clay loam, 6 to 15 percent slopes, eroded	7,371.4	2
AcC	Aaron silt loam, 8 to 15 percent slopes	51.8	0
BeC	Berks channery silt loam, 8 to 15 percent slopes	4.4	0
Bhk4D	Bethesda channery silt loam, 8 to 25 percent slopes, unreclaimed, highwall	5.9	0
BhL4E	Bethesda	1,493.8	4

Soil Map

Scale (not to scale) ▾



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- National Soil Characterization Data
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### Welcome to Web Soil Survey (WSS)



Web Soil Survey (WSS) provides soil data and information produced by the National Cooperative Soil Survey. It is operated by the USDA Natural Resources

Conservation Service (NRCS) and provides access to the largest natural resource information system in the world. NRCS has soil maps and data available online for more than 95 percent of the nation's counties and anticipates having 100 percent in the near future. The site is updated and maintained online as the single authoritative source of soil survey information.

Soil surveys can be used for general farm, local, and wider area planning. Onsite investigation is needed in some cases, such as soil quality assessments and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center at the following link: [USDA Service Center](#) or your NRCS State Soil Scientist at the following link: [NRCS State Soil Scientist](#).

### Four Basic Steps

1. Define.

**Use the Area of Interest tab** to define your area of interest.

Click or Press the Enter or Spacebar key to

### I Want To...

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- **Know Web Soil Survey Requirements**
- **Know Web Soil Survey operation hours**
- **Find what areas of the U.S. have soil data**
- **Find information by topic**
- **Know how to hyperlink from other documents to Web Soil Survey**
- **Know the SSURGO data structure**

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- **Web Soil Survey 3.3 has been released! View new features and fixes.**
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-



view the larger image. Press the Escape key to close.

## 2 View.



**Click the Soil Map tab** to view or print a soil map, and detailed descriptions of the soils in your Area of Interest.

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## 3 Explore.



**Click the Soil Data Explorer tab** to access soil data for your area and determine the suitability of the soils for a particular use. The items you want saved in a report can be added to your shopping cart.

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Last Modified: 08/21/2017

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# **ATTACHMENT E**

**US FISH AND WILDLIFE LETTER**

**ODNR DIVISION OF WILDLIFE LETTER**



## Alan Knapp

---

**From:** susan\_zimmermann@fws.gov on behalf of Ohio, FW3 <ohio@fws.gov>  
**Sent:** Friday, March 8, 2019 1:19 PM  
**To:** Alan Knapp  
**Cc:** nathan.reardon@dnr.state.oh.us; kate.parsons@dnr.state.oh.us  
**Subject:** Waterline replacement for Village of Jewett, Harrison County



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



TAILS# 03E15000-2019-TA-0797

Dear Mr. Knapp,

We have received your recent correspondence requesting information about the subject proposal. There are no federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area. The following comments and recommendations will assist you in fulfilling the requirements for consultation under section 7 of the Endangered Species Act of 1973, as amended (ESA).

The U.S. Fish and Wildlife Service (Service) recommends that proposed developments avoid and minimize water quality impacts and impacts to high quality fish and wildlife habitat (e.g., forests, streams, wetlands). Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the 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. All disturbed areas should be mulched and revegetated with native plant species. Prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

**FEDERALLY LISTED SPECIES COMMENTS:** All projects in the State of Ohio lie within the range of the federally endangered **Indiana bat** (*Myotis sodalis*) and the federally threatened **northern long-eared bat** (*Myotis septentrionalis*). In Ohio, presence of the Indiana bat and northern long-eared bat is assumed 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 travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags  $\geq 3$  inches diameter at breast height (dbh) that have any exfoliating bark, cracks, crevices, hollows and/or cavities), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) 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 and abandoned mines.

Should the proposed site contain trees  $\geq 3$  inches dbh, we recommend that trees be saved 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  $>3$  inches dbh cannot be avoided, we recommend that removal of any trees  $>3$  inches dbh only occur between October 1 and March 31. Seasonal clearing is being 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 <http://www.fws.gov/midwest/endangered/mammals/nleb/index.html>), 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, summer surveys may be conducted to document the presence or probable absence of Indiana bats within the project area during the summer. If a summer survey documents probable absence of Indiana bats, the 4(d) rule for the northern long-eared bat could be applied. Surveys must be conducted by an approved surveyor and be designed and conducted in coordination with the Endangered Species Coordinator for this 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.

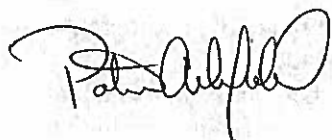
If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend that 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.

Due to the project type, size, and location, we do not anticipate adverse effects to any other federally endangered, threatened, proposed, or candidate species. Should the project design change, or during the term of this action, 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, consultation with the Service should be initiated to assess any potential impacts.

These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the ESA, and are consistent with the intent of the National Environmental Policy Act of 1969 and the Service's Mitigation Policy. This letter provides technical assistance only and does not serve as a completed section 7 consultation document. We recommend that the project be coordinated with the Ohio Department of Natural Resources due to the potential for the project to affect state listed species and/or state lands. Contact John Kessler, Environmental Services Administrator, at (614) 265-6621 or at [john.kessler@dnr.state.oh.us](mailto:john.kessler@dnr.state.oh.us).

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

Sincerely,



Patrice M. Ashfield  
Field Office Supervisor

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



# Ohio Department of Natural Resources

MIKE DeWINE, GOVERNOR

MARY MERTZ, DIRECTOR

**Office of Real Estate**  
*Paul R. Baldrige, Chief*  
2045 Morse Road – Bldg. E-2  
Columbus, OH 43229  
*Phone: (614) 265-6649*  
*Fax: (614) 267-4764*

April 12, 2019

Alan Knapp  
OMEGA  
326 Highland Ave. Suite B.  
Cambridge, Ohio 43725

**Re:** 19-230; Village of Jewett Waterline Replacement Project

**Project:** The proposed project involves the replacement of the Village water system.

**Location:** The proposed project is located in the Village of Jewett, Harrison County, Ohio.

The Ohio Department of Natural Resources (ODNR) has completed a review of the above referenced project. These comments were generated by an inter-disciplinary review within the Department. These comments have been prepared under the authority of the Fish and Wildlife Coordination Act (48 Stat. 401, as amended; 16 U.S.C. 661 et seq.), the National Environmental Policy Act, the Coastal Zone Management Act, Ohio Revised Code and other applicable laws and regulations. These comments are also based on ODNR's experience as the state natural resource management agency and do not supersede or replace the regulatory authority of any local, state or federal agency nor relieve the applicant of the obligation to comply with any local, state or federal laws or regulations.

**Natural Heritage Database:** The Natural Heritage Database has no records at or within a one-mile radius of the project area.

A review of the Ohio Natural Heritage Database indicates there are no other records of state endangered or threatened plants or animals within the project area. There are also no records of state potentially threatened plants, special interest or species of concern animals, or any federally listed species. In addition, we are unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, state nature preserves, state or national parks, state or national forests, national wildlife refuges, or other protected natural areas within the project area. The review was performed on the project area you specified in your request as well as an additional one-mile radius. Records searched date from 1980.

Please note that Ohio has not been completely surveyed and we rely on receiving information from many sources. Therefore, a lack of records for any particular area is not a statement that rare species or unique features are absent from that area. Although all types of plant communities have been surveyed, we only maintain records on the highest quality areas.

**Fish and Wildlife:** The Division of Wildlife (DOW) has the following comments.

The DOW recommends that impacts to streams, wetlands and other water resources be avoided and minimized to the fullest extent possible, and that best management practices be utilized to minimize erosion and sedimentation.

The project is within the range of the Indiana bat (*Myotis sodalis*), a state endangered and federally endangered species. The following species of trees have relatively high value as potential Indiana bat roost trees to include: shagbark hickory (*Carya ovata*), shellbark hickory (*Carya laciniosa*), bitternut hickory (*Carya cordiformis*), black ash (*Fraxinus nigra*), green ash (*Fraxinus pennsylvanica*), white ash (*Fraxinus americana*), shingle oak (*Quercus imbricaria*), northern red oak (*Quercus rubra*), slippery elm (*Ulmus rubra*), American elm (*Ulmus americana*), eastern cottonwood (*Populus deltoides*), silver maple (*Acer saccharinum*), sassafras (*Sassafras albidum*), post oak (*Quercus stellata*), and white oak (*Quercus alba*). Indiana bat roost trees consists of trees that include dead and dying trees with exfoliating bark, crevices, or cavities in upland areas or riparian corridors and living trees with exfoliating bark, cavities, or hollow areas formed from broken branches or tops. However, Indiana bats are also dependent on the forest structure surrounding roost trees. If suitable habitat occurs within the project area, the DOW recommends trees be conserved. If suitable habitat occurs within the project area and trees must be cut, the DOW recommends cutting occur between October 1 and March 31. If suitable trees must be cut during the summer months, the DOW recommends a net survey be conducted between June 1 and August 15, prior to any cutting. Net surveys should incorporate either nine net nights per square 0.5 kilometer of project area, or four net nights per kilometer for linear projects. If no tree removal is proposed, this project is not likely to impact this species.

The DOW understands that stream impacts will be avoided through the use of directional bore to cross stream channels. Therefore, impacts to aquatic species is not likely.

The project is within the range of the upland sandpiper (*Bartramia longicauda*), a state endangered bird. Nesting upland sandpipers utilize dry grasslands including native grasslands, seeded grasslands, grazed and ungrazed pasture, hayfields, and grasslands established through the Conservation Reserve Program (CRP). If this type of habitat will be impacted, construction should be avoided in this habitat during the species' nesting period of April 15 to July 31. If this type of habitat will not be impacted, this project is not likely to impact this species.

Due to the potential of impacts to federally listed species, as well as to state listed species, we recommend that this project be coordinated with the U.S. Fish & Wildlife Service.

**Water Resources:** The Division of Water Resources has the following comment.

The local floodplain administrator should be contacted concerning the possible need for any floodplain permits or approvals for this project. Your local floodplain administrator contact information can be found at the website below.

[http://water.ohiodnr.gov/portals/soilwater/pdf/floodplain/Floodplain%20Manager%20Community%20Contact%20List\\_8\\_16.pdf](http://water.ohiodnr.gov/portals/soilwater/pdf/floodplain/Floodplain%20Manager%20Community%20Contact%20List_8_16.pdf)

ODNR appreciates the opportunity to provide these comments. Please contact Sarah Tebbe, Environmental Specialist, at (614) 265-6397 or [Sarah.Tebbe@dnr.state.oh.us](mailto:Sarah.Tebbe@dnr.state.oh.us) if you have questions about these comments or need additional information.

John Kessler  
Environmental Services Administrator

# **ATTACHMENT F**

**E-MAIL FROM OHIO ENVIRONMENTAL PROTECTION AGENCY**

**LIMITED ENVIRONMENTAL REVIEW AND FONSI PREPARED BY THE OHIO  
ENVIRONMENTAL PROTECTION AGENCY**

## Alan Knapp

---

**From:** Daniel.Halterman@epa.ohio.gov  
**Sent:** Tuesday, March 12, 2019 3:29 PM  
**To:** Alan Knapp  
**Cc:** Deborah.Hauser@epa.ohio.gov; kristin.parrish@epa.ohio.gov;  
Adam.Pierce@epa.ohio.gov  
**Subject:** Jewett Water System Improvements - Environmental Review comments

Mr. Knapp –

Ohio EPA is aware of the proposed Jewett Water System Improvements project that anticipates receiving both CDBG funds and Ohio Water Supply Revolving Loan Account (WSRLA) funds. We are working on the environmental review required by the WSRLA program and expect to produce a final Finding of No Significant Impact (FONSI) in May or June of this year for this project that will help ensure reliable delivery of safe drinking water in the Village of Jewett. We will email a copy of the project's environmental review document and FONSI to you when each is completed.

Meanwhile, please forward to Kristin Parrish (included in this email) copies of environmental review correspondence from your review.

Thank you.

Dan Halterman  
Ohio EPA – DEFA – OFA  
PO Box 1049  
Columbus, OH 43216-1049  
614-644-3658



**Did You Know:** Children of parents who talk to their teens about drugs are up to 50% less likely to use. Start the conversation: [StartTalking.Ohio.Gov](http://StartTalking.Ohio.Gov)

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Mike DeWine, Governor  
Jon Husted, Lt. Governor  
Laurie A. Stevenson, Director

May 20, 2019

**Limited Environmental Review and Finding of No Significant Impact**

**Village of Jewett - Harrison County  
Water System Improvements  
Loan number: FS390481-0008**


The attached Limited Environmental Review (LER) is for a waterline replacement project in Jewett which the Ohio Environmental Protection Agency intends to finance through its Water Supply Revolving Loan Account (WSRLA) below-market interest rate revolving loan program. The LER describes the project, its costs, and expected environmental benefits. Making available this LER fulfills Ohio EPA's environmental review and public notice requirements for this loan program, as described in Ohio Administrative Code (OAC) 3745-150-05.

Ohio EPA analyzes environmental effects of proposed projects as part of its WSRLA program review and approval process. We have concluded that the proposed project should not result in significant adverse environmental impacts. This project's relatively narrow scope and lack of environmental impacts qualifies it for the LER rather than a more comprehensive Environmental Assessment, as described in OAC 3745-150-04. More information can be obtained by calling or writing the person named at the end of the attached LER

Upon issuance of this Finding of No Significant Impact (FNSI) determination, award of funds may proceed without further environmental review or public comment unless new information shows that environmental conditions of the proposed project have changed significantly.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jerry Rouch", is written over a horizontal line.

 Jerry Rouch, Chief  
Division of Environmental and Financial Assistance

Attachment

## LIMITED ENVIRONMENTAL REVIEW

### **Project Identification**

Name: Jewett – Water System Improvements

Applicant: Dwight Busby, Mayor  
Village of Jewett  
110 West Main Street  
P.O. Box 192  
Jewett, OH 43986

Loan Number: FS390481-0008

### **Project Summary**

The Village of Jewett (Jewett) in Harrison County has requested \$3,192,513 from the Water Supply Revolving Loan Account (WSRLA) for replacement of aged and undersized waterlines throughout the village.

### **History and Existing Conditions**

The original water system in Jewett was constructed in 1897, with the well field and distribution system completed around 1920. The present water treatment facility was constructed in 1994. Currently the system utilizes a groundwater source and has two wells which are run concurrently during production. A third well was abandoned in 1982 due to bacterial contamination. There is a design capacity of 216,000 gallons per day (gpd) based on high-service pump capacity of 150 gallons per minute (gpm). The current average daily demand, based on village billing, is approximately 26,800 gpd. Water loss usage results in a daily production of approximately 69,800 gallons.

Raw water from the wells is initially run through the treatment system and stored in a 150,000-gallon water tank constructed in 2017. The water is distributed to customers in Jewett through approximately 4 miles of waterlines, mostly installed around 1920 with intermittent replacement work taking place after 1970. Nearly all of Jewett's waterlines are susceptible to frequent breaks and existing valves have a failure rate of 80% with increasing water loss over the years. Jewett maintains approximately 32 fire hydrants, most of which are in operating condition.

Jewett's water distribution system currently serves approximately 271 customers (257 residential, 14 non-residential) with 326 total taps. The village maintained a relatively constant number of customers throughout the years but in the last few years the number of active taps has decreased.

The distribution system components in Jewett have exceeded their anticipated service life due to age and deteriorated condition. Complete replacement of aged and deteriorated waterlines in Jewett's water distribution system is the only feasible option to address water loss and improve water service to system customers within the village.



## **Project Description**

The proposed project consists of the replacement of the existing water distribution system throughout Jewett. This is anticipated to include approximately 27,000 linear feet of 6-inch to 8-inch PVC pipe, 9,000 linear feet of ¾-inch to 1-inch service pipe, 300 water meters, approximately 90 gate valves with box and cover, 32 fire hydrants, removal of existing fire hydrants, abandonment of existing 4-inch to 6-inch lines, and reconnection of existing service line. The project will entail approximately 350 linear feet of horizontal directional drilling underneath railroad tracks and streams.

All project areas are within existing urban development and have been previously disturbed by prior construction activities including those of the existing water system and other public utilities. Waterlines are located on village-owned property within streets, sidewalks, or village-owned rights-of-way.

Maps of the project location are provided in the exhibits below.

## **Implementation**

### *Project Costs*

Jewett plans to borrow \$3,192,512 from the WSRLA. During the 30-year loan period Jewett will save \$1,854,739 by using WSRLA dollars at the disadvantaged rate of 0%, compared to the market rate of 3.29%.

### *Local Economy*

The current Jewett residential water bill is approximately \$538/year. Projected residential sewer bills with the implementation of this project are expected to increase to \$659/year. This represents 1.7% of the median household income (MHI) of Jewett, which is \$38,750.

By using WSRLA financing for this project, Jewett has minimized the economic impact on customers.

### *Project Schedule*

The anticipated loan award will occur in June 2019. Construction is expected to begin immediately and is expected to be completed by July 2020.

## **Public Participation**

The village has provided project information at numerous village council meetings. A town hall meeting was held on April 17, 2018 to share information on the project. Attendees included Mayor Dwight Busby, fiscal officer Linda Ager, village council members, and approximately 35 village residents. A notice of the project ran in the Harrison New Herald. Since the town hall meeting, several project updates have been posted in the village in prominent locations.

Ohio EPA is unaware of any public opposition to the project.

Reviews of the respective environmental resources were completed by Ohio EPA, Division of Environmental and Financial Assistance. The review agency does not oppose the project.

Ohio EPA will make a copy of this document available to the public on its web page: <http://epa.ohio.gov/defa/ofa.aspx> (Under the "What's New" tab, scroll to: "Documents Available for

Review and Comment – WRS LA Documents for Review and Comment”) and will provide it upon request to interested parties. Information supporting this Limited Environmental Review (LER) is available from the project contact named below.

### **Conclusion**

The proposed project meets the project type criteria for a Limited Environmental Review (LER); namely, it is an action within an existing public water system, which involves the functional replacement of and improvements to existing water lines and equipment. Furthermore, the project meets the other qualifying criteria for an LER; specifically, the proposed project:

- *Has no significant adverse environmental effect, has no effect on high value environmental resources, and does not require extensive specific impact mitigation.*

All project work will occur within the footprint of the existing waterlines in previously disturbed areas where other public utilities are already in place. Standard construction best management practices are required to control dust, erosion and sediment runoff, noise, and maintain safety. Appropriate traffic controls will help minimize traffic disruption during work in and along roads. No tree clearing is required as the proposed construction follows established rights-of-way. No wetland work is anticipated, and all planned stream crossings will be horizontally directional drilled to avoid disturbance. Construction within the floodplain is limited to waterline replacement, and coordination with the floodplain administrator will be completed for construction approval.

- *Is cost-effective and not controversial.*

The proposed project is cost-effective as it involves the installation of replacement waterlines to allow for more efficient operation. It is anticipated that operation and maintenance costs will decrease at the completion of this project and significant savings will result from the reduction or elimination of water loss. DEFA is unaware of any specific opposition to or controversy about this project that will improve the safety and efficiency of water distribution to local residents and businesses. Complete replacement is expected to add an additional 75 years of service life to the system.

- *Does not create a new, or relocate an existing, discharge to surface or ground waters; will not create a new source of water withdrawals from either surface or ground waters; will not significantly increase the amount of water withdrawn from an existing water source; will not result in substantial increases in the volume of discharge or the loading of pollutants from an existing source or from new facilities to receiving waters; and will not provide capacity to serve a population substantially greater than the existing population.*

This project involves the routine replacement and rehabilitation of waterlines and does not otherwise alter Jewett’s public water system (withdrawal, treatment, distribution, or usage of potable water). It has no effect on water or wastewater discharges, or on any other potential source of pollutants. The village is not anticipating growth as a result of the waterline replacement, so the project will not increase the village’s present drinking water capacity, nor facilitate an expansion of water service. No new customers are expected at the end of this project and population data for Jewett is considered to have no significant increase through 2040.

Based upon the available planning information for this project and the materials presented within this LER, Ohio EPA concludes that the proposed project will not result in any significant adverse impacts to any environmental features. The project is expected to have no significant short-term or long-term

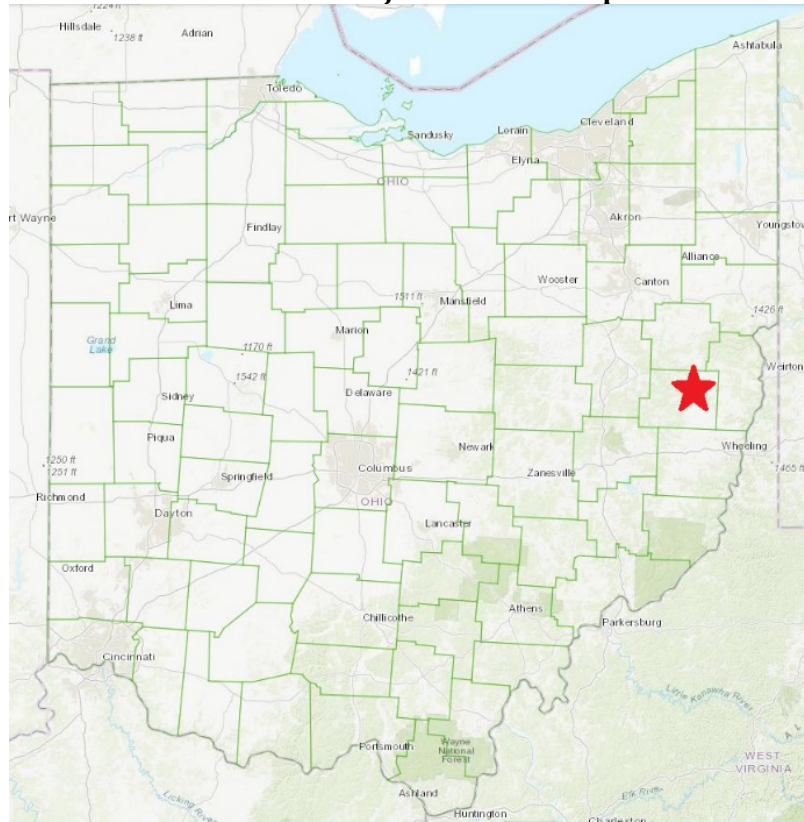
adverse impacts on the quality of the human environment or on sensitive resources such as surface waters, coastal zones, riparian areas, floodplains, wetlands, state-designated scenic or recreational rivers, prime or unique agricultural lands, aquifer recharge zones, archaeologically or historically significant sites, or threatened or endangered species.

This project will address deficiencies in Jewett's water distribution system to eliminate water loss, alleviate health and safety concerns, and improve water service to customers.

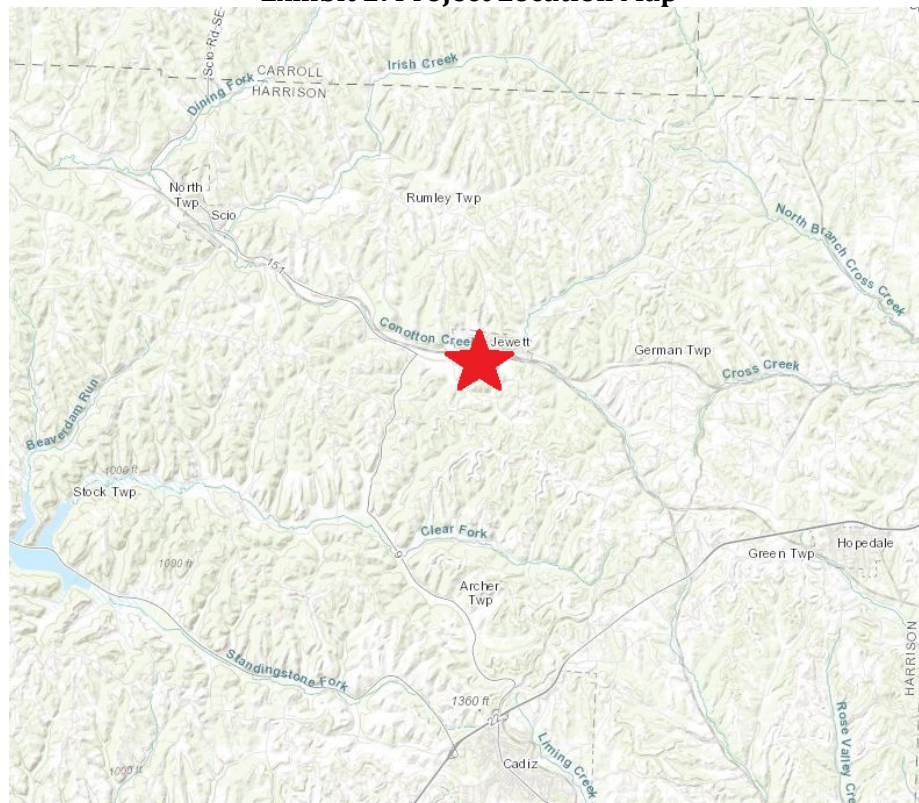
**Contact**

Kristin Parrish  
Ohio EPA-DEFA  
P.O. Box 1049  
Columbus, OH 43216-1049  
(614) 644-3662  
[kristin.parrish@epa.ohio.gov](mailto:kristin.parrish@epa.ohio.gov)

**Exhibit 1: Project Location Map**



**Exhibit 2: Project Location Map**



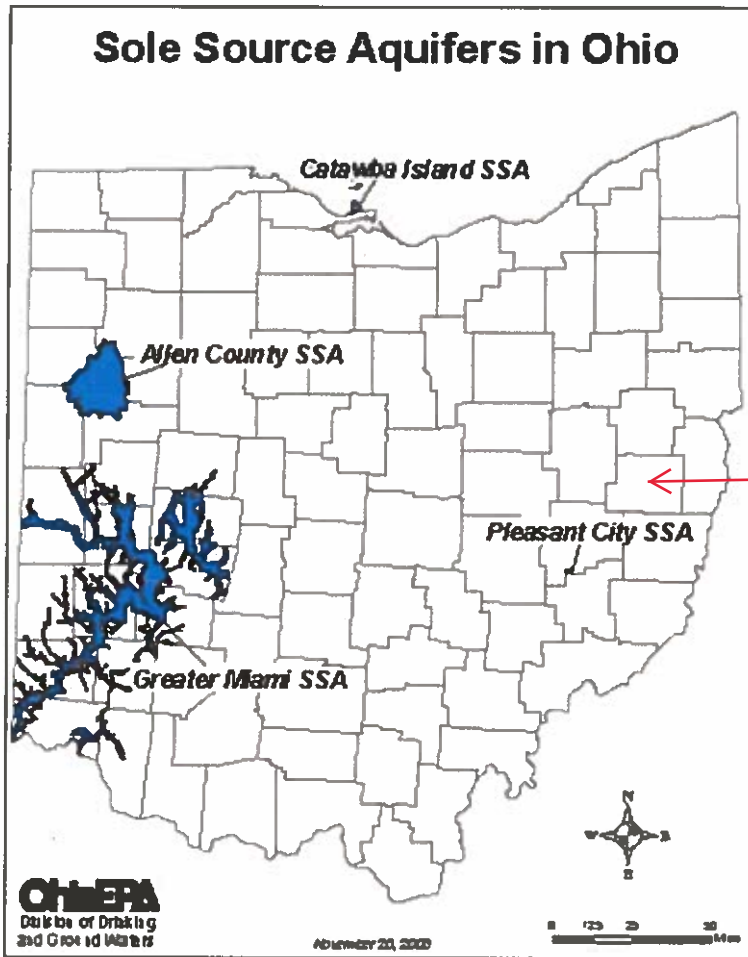
**Exhibit 3: Project Location Map**



# **ATTACHMENT G**

## **MAP OF SOLE SOURCE AQUIFERS IN OHIO**

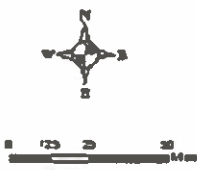
# Sole Source Aquifers in Ohio



Harrison County

**Ohio EPA**  
Division of Drinking  
and Ground Waters

November 20, 2008



# ATTACHMENT H

## MAP OF WILD AND SCENIC RIVERS IN OHIO



Scenic Rivers Program Map or Ohio's Scenic Rivers Map of Scenic Rivers

## Map of Scenic Rivers in Ohio

### Rivers with "Scenic" Designation

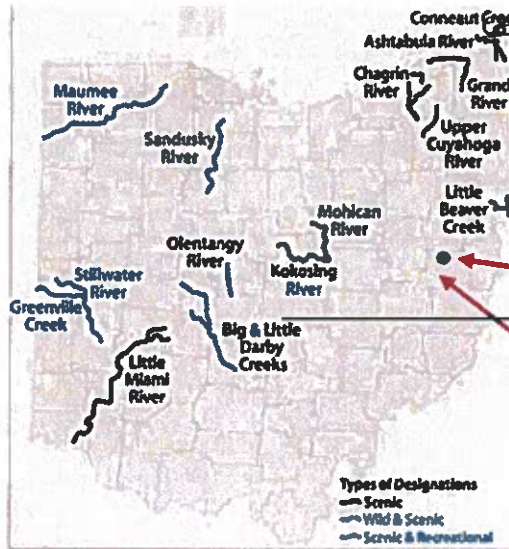
- Ashtabula
- Chagrin
- Big & Little Darby
- Kokosing
- Little Miami
- Mohican
- Otentangy
- Sandusky upper Cuyahoga

### Rivers Designated as "Wild & Scenic"

- Conneaut
- Grand
- Little Beaver

### Rivers with "Scenic & Recreational" Designation

- Maumee
- Stillwater/Greenville



### LIST OF SCENIC RIVERS

### GET YOUR PADDLE OHIO PIN

Visit

## PaddleOHIO

Jewett

Harrison County

### SCENIC RIVERS MENU

- Stream List
- Designation
- Project Reviews

Scenic Rivers  
Contacts

Back to  
Program Page

### Support Scenic Rivers

Specialty plates help  
preserve Ohio's Scenic  
Rivers  
Details



Ohio Department of

NATURAL  
RESOURCES  
Division of Parks and Watercraft

### BOATING LINKS

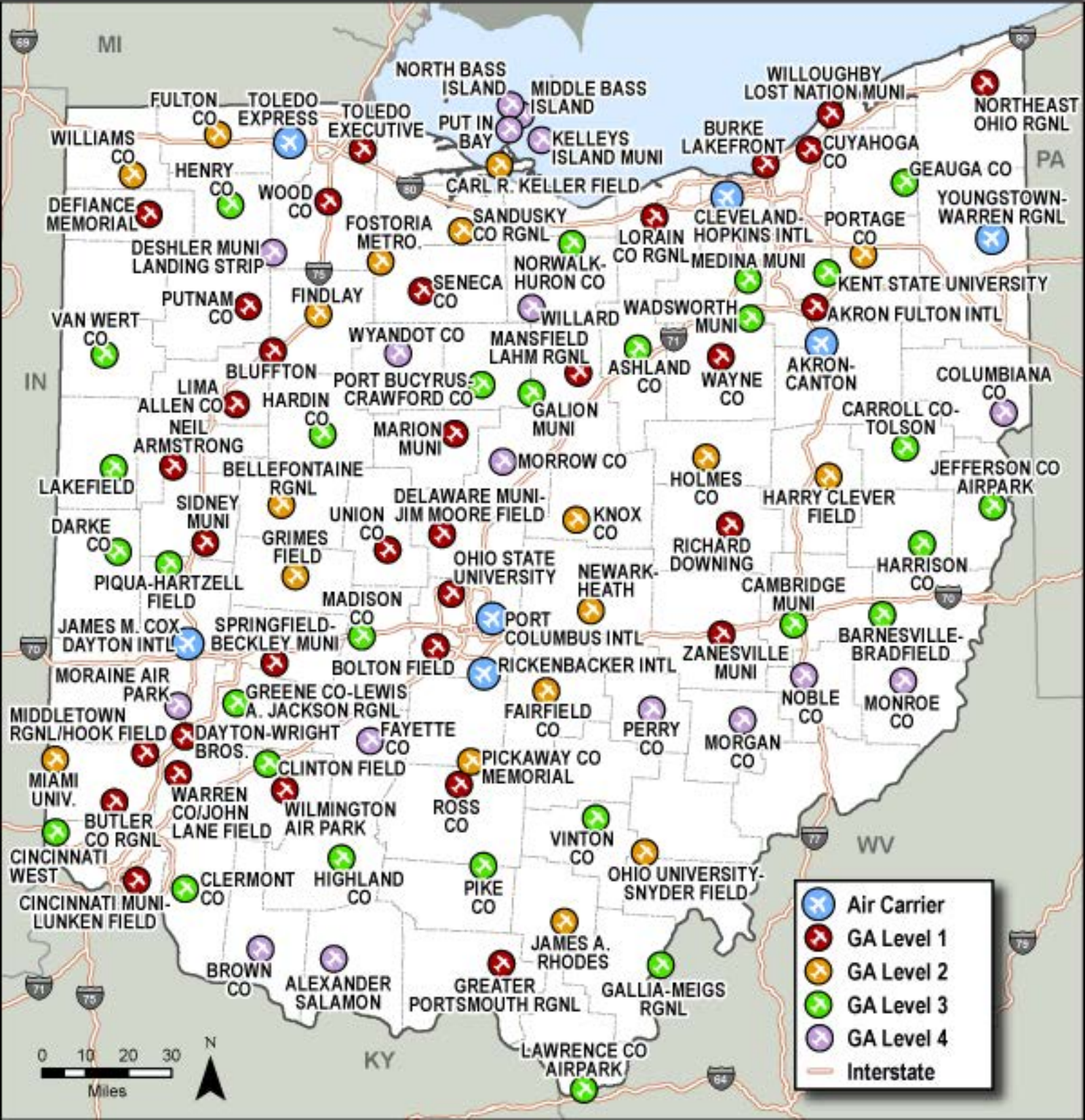
- Online Boat Registration Renewal
- Find a Watercraft Registration Agent
- What It Costs to Register a Boat
- Required Safety Equipment
- Paddle Ohio
- Ohio State Parks
- Contact us

### LATEST T'AGEETS

Watercraft Home

# ATTACHMENT I

## MAP OF CLOSEST AIRPORTS



Outings Discover beautiful places By Microsoft



harrison county airport cadiz oh



#

- 3D Viewer
- 7-Zip

A

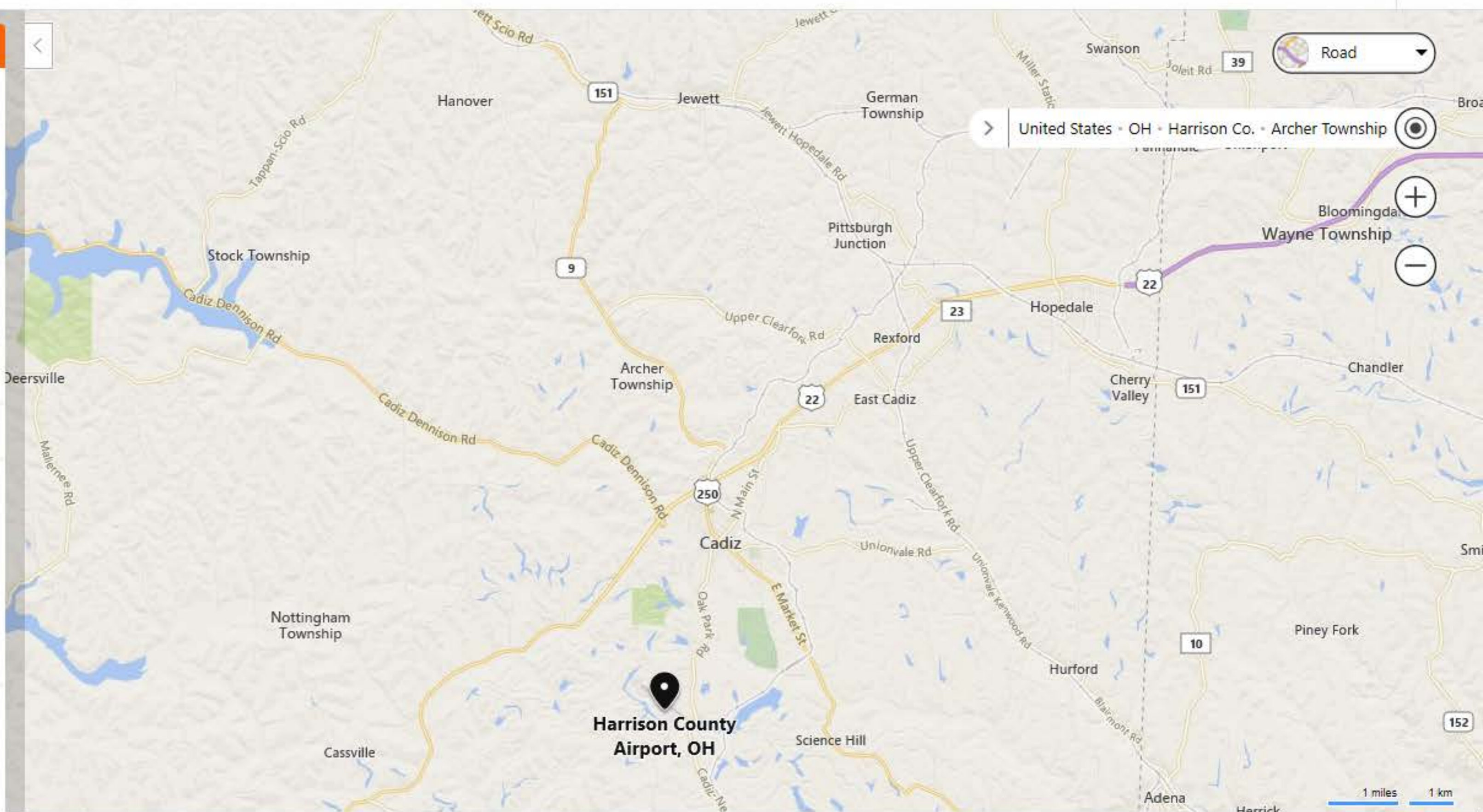
- Access
- Adobe Acrobat DC
- Adobe Acrobat Distiller DC
- Adobe Creative Cloud
- Alarms & Clock

C

- Calculator
- Calendar
- Camera
- Connect
- Cortana

D

- Dolby Access



Jefferson County Airpark, 600 Airport Rd, Wintersville, OH 43953

Directions Traffic My Places More

Parking Airport Shuttles Rental Cars Hotels

Harrison County Airport, OH

Jefferson County Airpark

Directions Share Save

Jefferson County Airpark

Jefferson County Airpark (Steubenville, Ohio) (FAA LID: 2G2), is a full-service general aviation public airport near Steubenville, Ohio, U.S., part of the Pittsburgh Combined Statistical Area that serves small and mid-sized private, corporate and commercial traffic. The airport serves tra...

Address: 600 Airport Rd, Wintersville, OH 43953

Phone: (740) 264-5388

Website: nfdc.faa.gov

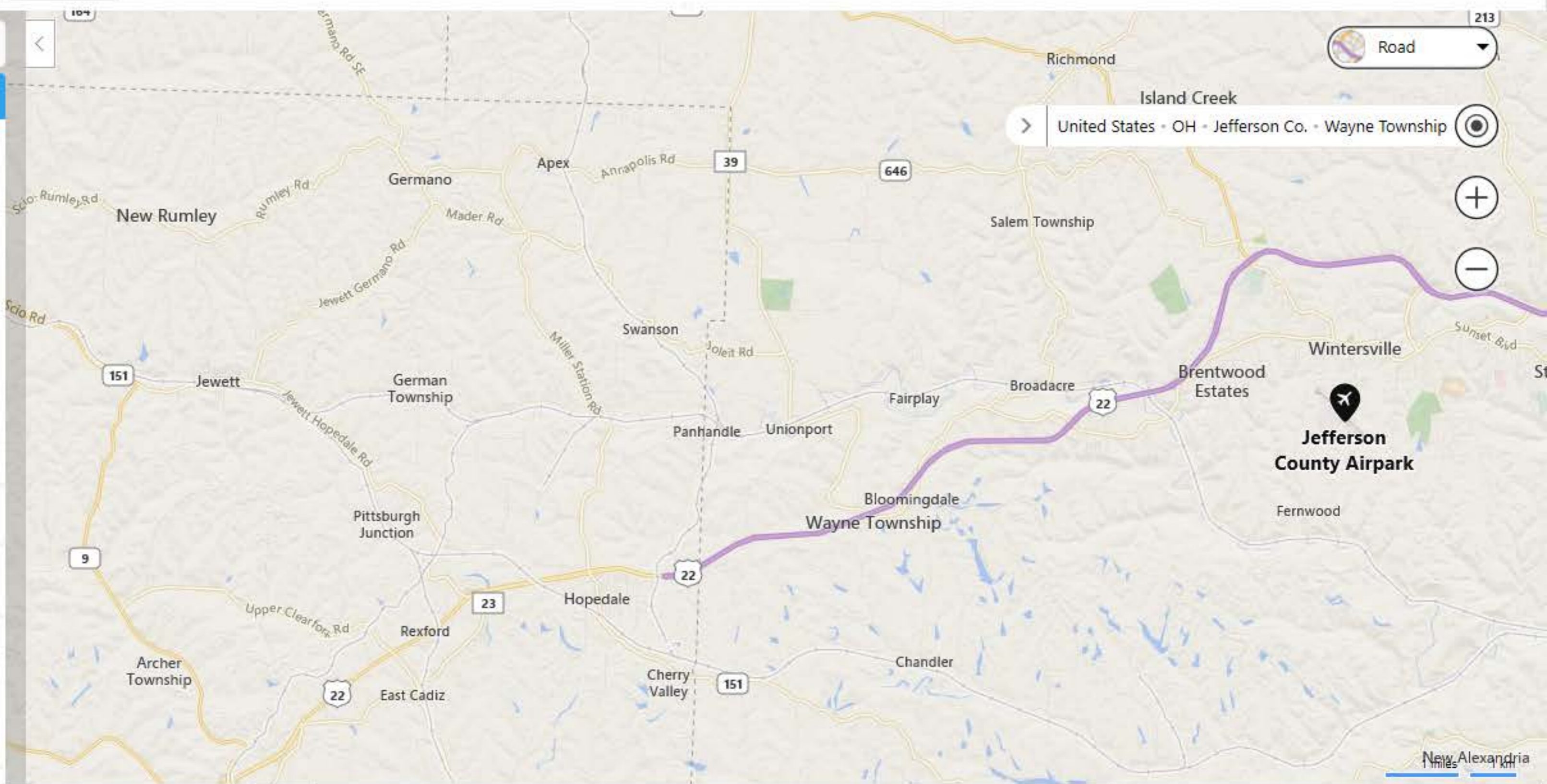
Save to calendar

Open 9:00 AM - 5:00 PM

Reviews ★★★★★ (1)

Facebook · Feb 22, 2019 03:29 AM Great people. Great facility. Full review

See more reviews



# **ATTACHMENT J**

## **2015 RCAP ENVIRONMENTAL REPORT**

VILLAGE OF JEWETT  
Water System Improvement Project –  
Environmental Report  
September 2015



Submitted by: Ohio RCAP

Administered by

WSOS Community Action Commission, Inc.

219 S. Front Street

Fremont, Ohio 43420

1-800-775-9767

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- 5b Ohio Department of Natural Resources (ODNR)
- 5c U.S. Fish and Wildlife Service (USFWS)
- 5d Ohio Historic Preservation Office (OHPO)
- 5e U.S. Army Corps of Engineers (USACOE)

6.0 Exhibits:

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- 6b Soils Map
- 6c Floodplain Map
- 6d Wetland Map
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- 6g Form RUS 2006-38, "Civil Rights Impact Analysis Form"
- 6h Site Photos
- 6i Wild & Scenic Rivers Map
- 6j Sole Source Aquifer Map
- 6k Coastal Zone Map

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## 1.0 Purpose and Need of Proposal

### 1.1 Project Description

The proposed project consists of the replacement of the existing water distribution system throughout the Village of Jewett. Project elements will include approximately 27,000 lf of 6" – 8" PVC DR 18 C900 pipe; 9,000 lf of 3/4" to 1" service pipe; 300 water meters; computer with billing software and reader; reconnection of existing service line; approximately 90 gate valve w/box and cover 6"-8"; 32 fire hydrants; removal of existing fire hydrants; gravel, concrete, and asphalt repair/replacement; 350 lf bore and jack railroad and stream crossing; abandonment of existing 4"-6" line.

The existing water treatment plant will receive the following improvements: basic SCADA, 100,000 gpd package plant (utilizing existing structure) ; electrical system/controls rehab; building insulation; building lighting improvements; moisture proof fixtures; HVAC system improvements; standby generator and automatic transfer switch; abandon existing WTP tanks and piping;

Development of one new source water well with 100 gpm pump; new 16x16 pump house; 550 lf of 2" piping to existing WTP building; one stream crossing; electrical service to new well house; rehabilitate Well #1 and Well #3 including cleaning and drawdown testing.

New 150,000 gallon water storage tank; valve vault and altitude valve; site fencing; access road construction; 1,500 lf of 8" C900 PVC waterline; 8" gate valve w/box and cover; 8" connection at tank and WTP; electrical service; hydropneumatic booster station; reconnect residential services; cap existing 8" flushing hydrant; air release valve; 1,600 lf 3/4" HDPE service line for residential connections in place.

### 1.2 Purpose and Need of the Proposal

The Village of Jewett currently owns and operates a water treatment and distribution system. The original water system was constructed in 1897 and consisted of collecting water from a hillside spring and routing through a distribution system serving only the west end of the village. A well field was developed and the remainder of the distribution system was completed in approximately 1920 followed by iron removal facilities in 1948.

The existing water distribution system is susceptible to frequent breaks and most, if not all valves have failed causing difficulty in repairing breaks. It is estimated that approximately 60% water loss is occurring within the system. There is approximately 4 miles of waterline, consisting of 2", 4", 6" and 8" materials including cast iron, ductile iron, asbestos concrete, PVC and possibly wood in some areas. Ohio Department of Health and Ohio EPA records show a trend of line replacement abandonment and extensions over the years with most occurring after 1970. This includes placement of a 2" plastic waterline under the railroad tracks to serve Germano around 1972 and a section of 6" line on Cadiz Street in 1993. The 2" line serving Germano is currently in place but was capped after being accidentally cut in the past. The small booster station is also still in place but is not serviceable. Most fire hydrants

are on 4" lines. Per 10 State Standards, hydrants used for fire protection must be placed on 6" line (or greater). Water meters are old and inoperable and require replacement.

Finished water is stored in two below-ground concrete tanks that contain wooden trusses and conventional roofing materials. One 40,000 gallon tank was constructed in 1920 and one 60,000 gallon tank constructed in 1939. The two storage tanks have been identified as a health hazard by the Ohio EPA. Severe deterioration is occurring with both tanks and animals are gaining access to the water storage areas.

The existing water treatment plant was replaced in 1994. Since that time several modifications have been made to the Refinite greensand filters. Most modifications have been the result of inadequate filter performance and have resulted in replacement of automatic valves with manually operated valves and modification to the configuration of the filters themselves. These modifications have rendered the automated backwash system inoperable and have resulted in the need for plant personnel to manually perform backwash operations. The deficiencies in filter design results in frequent loss of filter media during the backwash cycle. The existing chlorine contact tank has never operated correctly due to improperly sized pumps and currently is unused and sits full of ground or rainwater.

The Ohio EPA has indicated a need for the Village to develop a new well, with Ten State Standards requiring that the groundwater source capacity equal or exceed the maximum daily demand with the largest producing well out of service.

## **2.0 Alternatives to the Proposed Action**

According to a Preliminary Engineering Report dated February 2015 and prepared by Triad Engineering, Inc., all alternatives involving the provision of water from a single source will include the replacement of both the distribution system and water storage tanks.

### **Source Water Wells:**

Alternative #1 (Preferred) – construct one new source well and rehabilitate existing wells #1 and #3. Because the two existing wells do not individually provide adequate water needs, Alternative 1 will develop a new water well on available property immediately north of the existing well field. This well is expected to provide an adequate water supply for the village when combined with the existing wells #1 and #3. The estimated cost for Alternative 1 is \$273,800.

Alternative #2 – Abandonment of the two existing wells and development of individual point sources within the Village. The Village could install private wells and/or cisterns for individual residents within the village limits in order to replace the current source of municipal water. Homes grouped together could be served by one well if determined to have adequate capacity. A low yielding well would require a cistern for water storage. All State and Federal regulations for design and construction of residential wells and cisterns would be required. Geologic conditions would dictate the quality and quantity of water obtained from a drilled well. The estimated construction cost for this alternative is \$5,855,300. Other disadvantages include expensive testing and treatment requirements; a well may have an initial

high yield but fluctuate with seasonal conditions; water conservation practices would be required in some instances, existing waterline would have to be cut and plugged, wells are more susceptible to groundwater contamination, there would be no method for the Village to regulate water quality or enforce testing; operating and maintenance would be the responsibility of the property owner, if the Village accepted responsibility for the wells under agreement, approximately 289 pumps, motors and wells would need to be inspected and maintained.

**Alternative #3 – Connect to Harrison County –** The Village could construct an interconnection to the Harrison County water distribution system. This alternative would require construction of approximately 5.1 miles of pipeline. This alternative would provide an adequate supply of potable water and would cut the Village operating expenditures by eliminating the need for a WTP and associated costs, including employees, labor, electricity, heating and cooling of the WTP, chemicals, etc. This alternative requires the replacement of the Village's water storage tank and distribution system.

This alternative would install an interconnection to the Village of Cadiz water system through the Harrison County distribution system. Personnel from the Village of Cadiz have confirmed their water system has sufficient capacity to supply water to the Village of Jewett. The Harrison County distribution system is located approximately 5.1 miles from the Village of Jewett. This 6" waterline could be extended to the village boundaries and connected to the existing distribution system. This alternative would require four stream crossings and two railroad crossings. Combined with a new storage tank and new distribution system, this option could provide a dependable water supply to the Village of Jewett. Although a suitable alternative, the Jewett water tank situated at approximately the same elevation as the interconnection point and pressures at this location are not expected to be adequate for maintaining an appropriate level in Jewett's water storage tank. Therefore, the need for a booster station is anticipated with this alternative. A comprehensive hydraulic analysis would be required to make a positive determination. Construction costs are estimated at \$1,473,000. This alternative also involves the abandonment of the WTP and existing wells.

### **Water Treatment Plant**

**Alternative #1 (Preferred) – Replace WTP, utilize and improve existing structure.** It is recommended that the existing greensand pressure filtration system be replaced with another pressure filter system with proven design and performance. This would include a better placement of automatic valves, filter internals constructed of durable materials, proven configuration and an automated control system. Replacing the system with a greensand filter system will reduce labor and material costs. Through this alternative the existing water treatment building would be rehabilitated. Improvements would include improved lighting, insulation, HVAC, electrical system and work space. The building would house the new pressure filters, pumps and chemical feed systems. Estimated cost is \$781,000.

**Alternative #2 – Reconstruct WTP Pressure Filters and Improve Existing Structure –** This alternative would require specification of new automatic valves, control equipment and complete rebuild of both pressure vessels. Pressure filters could either be rebuilding their original configuration or reconfigured to operate as single-cell filters. It would be recommended that the filter be completely disassembled,

cleaned, sandblasted and inspected/pressure tested. With positive results, the filters would be recoated, reassembled and reconfigured as single-cell filters. Because Refinite is no longer in business all parts would have to be custom fabricated or sourced from another filter manufacturer. The single-cell configuration would allow the Village to continue to provide water at a rate of 4 gpm/sf or 113 pgm per filter. It is recommended that corroded piping be replaced with new, and all other piping be jet cleaned and recoated. Where practical, the manual valves would be replaced with automatic valves and new controllers for automatic backwashing operations be configured and installed. Construction cost is estimated at \$733,700.

**Alternative #3 – New Source Water** – An alternative for dealing with the failing WTP is its replacement by an alternative water source. In this case, the plant could be abandoned and the Harrison County water distribution system extended approximately 5 miles to the Village. This extension would eliminate the need for the Village to operate its own water treatment plant, but would require the continued use of an adequate storage and a properly functioning distribution system. Additionally, it is expected that a booster station would be installed to ensure an adequate water supply to the Village. Construction cost is anticipated at \$1,473,300.

#### **Water Distribution System**

**Alternative #1 (Preferred) – Replace Entire Distribution System** – Replacement of all lines and valves with new and more durable PVC, hydrant replacement, and meter replacement. Construction cost is anticipated to be \$2,382,800.

**Alternative #2 – Limited Repair of Distribution System** – This alternative would provide for selective replacement of the village's waterlines and valves. Selection of lines to be replaced would be determined through modeling, pressure testing, line-break records, exploratory excavation and other means. Limited replacement could potentially improve pressure and eliminate leakage in certain segments but it would not address water losses experienced over the entire distribution system. Replacement of limited portions of the distribution system would not resolve the overall situation of waterline breaks. Selective replacement could potentially address 30% of the entire distribution system. All valves would be replaced to provide better control for system repairs. Construction costs for this alternative can only be roughly estimated due to uncertainties regarding existing conditions. A detailed study would be required for a more accurate estimate of cost. It is estimated that 30% of the village residents would require service line reconnections and new service lines and meters. Construction costs associated with limited rehabilitation is estimated to be \$1,064,600.

**Alternative #3 – New Source of Water** – As with other system components, replacing the Village's water source could be considered to deal with all existing problems. However, replacing the water source would not eliminate waterline breaks and it would not allow for improved valve operation. Water loss would still occur at the current rates. Replacing the Village's water source would eliminate the need for a complete water treatment plant rebuild, but it would not address the problem of frequent line breaks. Estimated cost for a new water source is \$1,473,100.

### **3.0 Affected Environment/Environmental Consequences**

#### **3.1 Land Use/Important Farmland/Formally Classified Lands**

##### **3.1.1 Affected Environment**

Land use in the Village of Jewett is typical of a small village. Terrain ranges from flat to steep hillsides. There are no open land areas within the project area. All project areas have been previously disturbed by prior construction activities including those of the existing water system, other public utilities, roadways, homes and businesses.

##### **3.1.2 Environmental Consequences**

The Harrison County NRCS advises that all project areas are in urban development and not subject to the FPPA. No farmland will be impacted by the proposed project. The proposed waterline replacement is to occur within the same area as the existing waterline throughout the Village of Jewett. The village is not anticipating growth as a result of the waterline replacement and treatment system improvements. Capacity at the water treatment plant is not being increased.

There is no important farmland within the project area.

There is no prime forestland or rangeland in Ohio.

There are no formally classified lands within the project area.

##### **3.1.3 Mitigation**

No mitigation is required as land use will suffer no adverse impacts as result of the proposed project.

#### **3.2 Floodplains**

##### **3.2.1 Affected Environment**

Based on Flood Insurance Rate Map Numbers 39067C182D and 39067C0201D, the floodplain of Conotton Creek, Conotton Creek Overflow Channel and Jefferson Creek are located within the Village of Jewett. Streets within the floodplain include portions of Center Street, Euclid Avenue, Cadiz Street, Rumley Street, Water Street, Green Street, Old Jewett Road, Main Street, High Street and Stahl Street.

### **3.2.2 Environmental Consequences**

Construction activities in these areas will include waterline replacement. Replacement pipeline will be placed in the same or immediately adjacent to the existing pipe. Crossing of Jefferson Creek will occur on Main Street and High Street utilizing a horizontal bore. Due to the nature of the project being waterline replacement and directional bore stream crossings, it is not anticipated that any long term environmental impacts will occur to floodplain areas. No in-water construction activities will occur. Pipeline will not obstruct flood flow.

### **3.2.3 Mitigation**

- Any construction within floodplain areas will have to be approved by the local floodplain management coordinator for Harrison County and comply with all local floodplain management regulations.
- The waterline must be designed so that it will minimize infiltration of floodwaters during a flood event.
- Original land contours must be restored after completion of construction activities.

## **3.3 Wetlands**

### **3.3.1 Affected Environment**

Based on National Wetland Inventory Maps, there are no designated wetland areas within the project area. The waterlines will be installed within the road way within the same trench or immediately adjacent to the existing lines. Stream crossing of Jefferson Creek will occur utilizing the horizontal method of construction to avoid disturbance.

### **3.3.2 Environmental Consequences**

The proposed project consists of waterline replacement within the existing trench as the current waterline. The majority of line replacement will occur within the street surfaces within or immediately adjacent to the existing line. Stream crossing of Jefferson Creek will occur utilizing the horizontal bore method of construction to minimize impacts. No open areas will be impacted by construction activities. It is not anticipated that wetland areas will be impacted with construction activities. Areas of impact will be short term in nature and will only occur during construction related activities.



### 3.3.3 Mitigation

- The owner will coordinate with the USACOE and the OEPA, Division of Surface Water regarding the need for a Section 404 Permit, a section 401 Water Quality Certification and any permits required by the State of Ohio for work in isolated non-navigable waters (a General Isolated Wetland Permit or an Individual Isolated Wetland Permit). Correspondence to the USACOE and OEPA must include a map of the project elements on one or more USGS 7.5 minute quadrangles must indicate the number of stream crossings with the name of each and note the estimated acreage of direct wetland impacts. This correspondence must be completed prior to submission of plans and specifications to Rural Development for review. Copies of all correspondence sent and received must be provided to Rural Development.
- Any permit or certification requirements from the USACOE or OEPA must be incorporated into the plans and specifications.
- If any wetlands are identified in project areas, they must be shown on the plans or a copy of the wetland delineation (if applicable) must be provided to the contractor, so that they know where permit conditions are to be followed.
- All wetland area where lines are placed will be restored with native vegetation and to original contours.
- Impacts to water quality due to runoff and erosion will be mitigated through compliance with the Ohio Department of Natural Resources' Manual of Rainwater and Land Development.
- Placement of pipelines and appurtenances in wetland areas should be avoided when possible. In areas where avoidance is not possible, the top soil should be replaced in the top 6-inches of the trench at the original contour. Granular material should not be used. Construction equipment and extraneous fill material should be stored on an upland site in order to prevent contamination.



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### 3.4 Cultural Resources/Visual Aesthetics

#### 3.4.1 Affected Environment

An on-line search of the Ohio Historic Preservation Office (OHPO) records indicates 40 Historic Buildings within the project area. Due to the nature of the project being waterline replacement it is not anticipated any adverse impact will occur to these Historic Buildings. All construction activities related to the lines in the vicinity of the buildings will be underground replacement of utilities. Improvements to the existing WTP will occur within the area of the property designated for water operations will have no impact on the surrounding properties. Drilling a new well and construction of well house will be immediately north of the existing well field and will pose no adverse impacts to the area. The proposed waterline and tank construction will occur on a hillside north of the Village. The waterline will occur within an existing electric utility easement and the tank is located on a small parcel of land which has experienced tree clearing and electric utility construction activities. The area surrounding the proposed tank site is wooded and contains a few homes constructed in the last 25 years or less. The proposed tank will not be visible to the Historic Buildings in the downtown area.

#### 3.4.2 Environmental Consequences

The Ohio Historic Preservation Office (OHPO) advises that the proposed project will not affect properties listed in or eligible for listing in the National Register of Historic Places. No further coordination with OHPO is necessary unless the project changes or unless new or additional historic properties are discovered during implementation of the project.

#### 3.4.3 Mitigation

- Any excavation by the contractor that uncovers an historical or archaeological artifact shall be immediately reported to the Owner and the USDA State Environmental Coordinator. Construction shall be temporarily halted pending the notification process and further directions issued by the Agency after consultation with the State Historic Preservation Ohio (SHPO).

### 3.5 Biological Resources

#### 3.5.1 Affected Environment

According to the Ohio Department of Natural Resources (ODNR) the proposed project lies within the range of the **Indiana bat** (*Myotis sodalists*) a state and federally endangered species. The U.S. Fish and Wildlife Service (USFWS) includes the **northern long-eared bat** (*Myotis septentrionalis*), a federally threatened species, as well. The following species of trees have relatively high value as potential Indiana bat and northern long-eared bat roost trees; Shagbark hickory (*Carya ovate*), Shellbark hickory

(*Carya laciniosa*), Bitternut hickory (*Carya cordiformis*), Black ash (*Fraxinus nigra*), Green ash (*Fraxinus pennsylvanica*), White ash (*Fraxinus Americana*), Shingle oak (*Quercus imbricaria*), Northern red oak (*Quercus rubra*), Slippery elm (*Ulmus rubra*), American elm (*Ulmus Americana*), Eastern cottonwood (*Populus deltooides*), silver maple (*Acer saccharinum*), Sassafras (*Sassafras albidum*), Post oak (*Quercus stellata*), and White oak (*Quercus alba*). Indiana bat habitat consists of suitable trees that include dead and dying trees of the species listed above with exfoliating bark, crevices, or cavities in upland areas or riparian corridors and living trees of the species listed above with exfoliating bark, cavities or hollow areas formed from broken branches or tops.

The project is within the range of the **upland sandpiper** (*Bartramia longicauda*), a state endangered bird. Nesting upland sandpipers utilize dry grasslands including native grasslands, seeded grasslands, grazed and ungrazed pasture, hayfields, and grasslands established through the Conservation Reserve Program (CRP).

The project lies within the range of the **black bear** (*Ursus americanus*), a state endangered species.

The project is within the range of the **Eastern hellbender** (*Cryptobranchus alleganiensis alleganiensis*), a state endangered amphibian currently being evaluated for Federal Candidate status.

ODNR advises that the Ohio Natural Heritage Database indicated there are no records of state endangered or threatened plants or animals within the project area. There are also no records of state potentially threatened plants, special interest or species of concern animals, or any federally listed species. In addition, the Agency is unaware of any unique ecological sites, geologic features, animal assemblages, scenic rivers, state wildlife areas, state nature preserves, state or national parks, state or national forests, national wildlife refuges or other protected natural areas within the project area.

The U.S. Fish and Wildlife Service (USFWS) advised that there are no federal wilderness areas, wildlife refuges or designated critical habitat within the vicinity of the project area.

### 3.5.2 Environmental Consequences

Indiana bats and northern long-eared bats are dependent on the forest structure surrounding roost trees. If suitable habitat occurs within the project area, these trees must be conserved. If suitable habitat occurs on the project area and trees must be cut, cutting must occur between October 1 and March 31. If suitable trees must be cut during the summer months, a net survey must be conducted between June 1 and August 15, prior to any cutting. Net surveys should incorporate either nine net nights per square .5 kilometer or project area, or four net nights per milometer for linear projects. If no tree removal is proposed, the project is not likely to impact this species.

Trees are located within the project area, however it is not anticipated that tree removal will occur. Appropriate mitigation measures will be implemented in the event tree removal is necessary as construction progresses.

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Suitable habitat for the upland sandpiper does not appear to be present in the immediate project area and no impacts to this species is anticipated due to the nature and location of the project elements.

ODNR advises that due to the mobility of the black bear, the project is not likely to impact this species.

### **3.5.3 Mitigation**

- If suitable Indiana bat or northern long-eared bat habitat occurs within the project area, these trees must be conserved. If suitable habitat occurs on the project area and trees must be cut, cutting must occur between October 1 and March 31. If suitable trees must be cut during the summer months, a net survey must be conducted between June 1 and August 15, prior to any cutting. Net surveys should incorporate either nine net nights per square 0.5 kilometer of project area, or four net nights per kilometer for linear projects.

## **3.6 Water Quality Issues**

### **3.6.1 Affected Environment**

Water surfaces within the Village of Jewett and project area include Conotton Creek, Conotton Creek Overflow Channel and Jefferson Creek.

### **3.6.2 Environmental Consequences**

It is not anticipated that adverse impacts will occur to these local streams. Construction activity on Main Street and High Street will occur utilizing the horizontal bore of Jefferson Creek which will avoid impacts to the stream.

### **3.6.3 Mitigation**

- The owner will coordinate with the USACOE and the OEPA, Division of surface Water regarding the need for a Section 404 Permit, a Section 401 Water Quality Certification and a Nationwide Permit. Correspondence to the USACOE and OEPA must include a map of the project elements on one or more USGS 7.5 minute quadrangles must indicate the number of stream crossings with the name of each. The correspondence must be completed prior to submission of plans and specifications to Rural Development for review. Copies of all correspondence sent and received must be provided to Rural Development
- Any permit or certification requirements from the USACOE or OEPA must be incorporated into the plans and specifications.

- Water quality impacts should be minimized and stream crossings should be directionally bored where practicable. Unavoidable in-stream work should be done during periods of low flow.
- Erosion should be minimized to the maximum extent possible, along the entire corridor by properly installing silt fences and other erosion control techniques.
- Construction equipment and extraneous fill material should be stored on an upland site, away from streams in order to avoid contamination.
- Construction specifications and other contract provisions will require: 1) permanent erosion control through suitable site drainage and finish grading, seeding, sodding, riprap, detention ponds and other structural erosion control measures as needed; 2) compliance with OSHA and ODOT safety standards and regulations; 3) providing temporary sanitary facilities; 4) compliance with all Ohio EPA and Health Department regulations and 5) compliance with the Harrison County NRCS erosion control measures.
- The project will be required to comply with the Ohio EPA regulation regarding storm water discharges associated with construction activity under the NPDES. A) the Owner should apply for, obtain and pay for the NPDES Construction storm water permit. B) the Owner should provide to the Rural Development area office copies of the permit and approved plan by the Ohio EPA. C) Storm water pollution prevention plan (SWP3), must be prepared for the construction of the proposed project and associated construction activities. The Owner will submit the Notice of Intent (NOI) to OEPA to ensure that they are covered under the NPDES general permit that is authorized by the OEPA for construction activity. If OEPA does not authorize coverage under the general permit, then the contractor/owner should apply for an individual permit for the proposed project construction. D) The SWP3, the NOI and the letter from the OEPA general permit shall be maintained at the construction site at all times. If an individual permit is required, then the permit will also be maintained at the construction site. Copies of the referenced documents shall be provided to the Rural Development Area Office. E) Provisions of the SWP3 should be incorporated into the plans and specifications for the proposed project construction.

### **3.7 Coastal Resources**

#### **3.7.1 Affected Environment**

The Village of Jewett is located in Harrison County and is not located within a Coastal Area.



### **3.7.2 Environmental Consequences**

There will be no environmental consequences to coastal areas as result of the proposed project.

### **3.7.3 Mitigation**

No mitigation required.

## **3.8 Socio-Economic/Environmental Justice Issues**

### **3.8.1 Affected Environment**

The Village of Jewett is located in Harrison County, Ohio. According to the 2009-2013 American Community Statistics, the Village of Jewett has a total population of 338. There is a 99% white population within the Village of Jewett. There are 153 housing units with 139 of these being occupied. The Median Household Income (MHI) for the village is \$31,071.

### **3.8.2 Environmental Consequences**

No civil rights impact is likely as a result of the proposed project. It is not expected that minority or low-income populations will incur any adverse human health or environmental effects as a result of this project. The project will have a beneficial human health impact on the community by replacing aging waterline that is subject to frequent breaks which could pose a health risk, replacement of two water reservoirs that have been deemed by Ohio EPA to be health hazards, improvements to the existing WTP to improve operating efficiencies and a new well to improve water supply.

### **3.8.3 Mitigation**

No mitigation required.

## **3.9 Miscellaneous Issues**

### **3.9.1 Air Quality**

#### **3.9.1.1 Affected Environment**

Existing air quality in Harrison County meets all federal and state primary and secondary standards. There are no monitoring stations within the project area as it is a rural area.



### **3.9.1.2 Environmental Consequences**

No permanent air emissions will be produced by the proposed project and there will be no long-term impact in air quality in the Village of Jewett or surrounding area. Dust produced by the installation of the new facilities could temporarily affect air quality to a minor extent and dust control measures such as sprinkling will be utilized as necessary.

Project-connected emission sources are machinery exhausts, workers automobile exhausts and power-supplier emissions due to electricity used by the project. Machinery exhausts will be temporary and will be controlled by requiring equipment in good working order.

### **3.9.1.3 Mitigation**

- Dust control methods will be utilized as necessary during construction

## **3.9.2 Transportation**

### **3.9.2.1 Affected Environment**

State Route 9 and the majority of streets and alleys within the Village are located in the project area and will receive waterline replacement activities.

### **3.9.2.2 Environmental Consequences**

The proposed project will have no long-term effect on transportation. It is not anticipated that any modification to the transportation routes will be necessary because of this project. Temporary street or alley closures may be required during construction however appropriate notification and signs will be posted for public notification and posted detours.

It is not anticipated that any indirect impacts will be associated with the proposed project as the area is not expected to experience an increase in population. The proposed construction may cause an increase in traffic flow as a result of construction vehicles and equipment. Any increases in traffic flow are expected to be within the capacity of the existing highway and traffic control system. No new traffic patterns are expected to develop as a result of the project.

### **3.9.2.3 Mitigation**

- All ODOT and OSHA traffic control regulations must be implemented during construction.
- At least one lane of traffic should be maintained at all times. If roads must be temporarily closed for construction, appropriate emergency officials will be notified in advance and detours will be posted.

## **3.9.3 Noise**

### **3.9.3.1 Affected Environment**

Noise levels in the planning area are typical for residential land use and are estimated at 40-45 weighted decibels (dBA). Noise levels along state routes can reach 90 dBA due to the larger amount of truck traffic.

### **3.9.3.2 Environmental Consequences**

The only noise associated with the proposed project will be heavy equipment during construction. This impact will be temporary in nature. The project will have no long term adverse impact on noise levels.

### **3.9.3.3 Mitigation**

- In order to control unnecessary noise and minimize disturbance to area residents, project construction should be limited to normal daylight working hours.

## **3.9.4 Solid Waste Disposal**

### **3.9.4.1 Affected Environment**

There are no solid waste disposal or transfer facilities located within the project area. Solid waste disposal within the planning area is accomplished through private contracting.

### **3.9.4.2 Environmental Consequences**

Solid waste will be generated during project construction.



### 3.9.4.3 Mitigation

- The contractor shall provide for regular removal of any solid waste generated during construction in accordance with appropriate disposal requirements.

### 3.9.5 Future Development

- The proposed water system improvements are not being designed for future development and it is not anticipated growth in housing or business will occur as a result of the proposed project. However, there is a potential for a facility known as “The Junction” to locate to a 1,100 acre site outside the corporate limits of the Village of Jewett. “The Junction” would create a rail facility, rail storage, truck terminal, etc., for activities associated with the Utica Shale drilling activities in the surrounding area. If this facility locates to this area, it will require purchase of raw water from the Village of Jewett. Raw water would be provided by two raw water wells drilled by the village several years ago in anticipation of the drilling activities. Purchase of this raw water will have no impact on the treated water facility owned and operated by the Village of Jewett. If this activity occurs, the “The Junction” would be responsible for installing a line from the raw water wells to the facility. None of the proposed funding for this project will be directed to the development of this property.

## 4.0 Summary of Mitigation

### Floodplains

- Any construction within floodplain areas will have to be approved by the local floodplain management coordinator for Harrison County and comply with all local floodplain management regulations.
- The waterlines must be designed so that it will minimize infiltration of floodwaters during a flood event.

### Wetlands

- The owner will coordinate with the USACOE and the OEPA, Division of Surface Water regarding the need for a Section 404 Permit, a section 401 Water Quality Certification and any permits required by the State of Ohio for work in isolated non-navigable waters (a General Isolated Wetland Permit or an Individual Isolated Wetland Permit). Correspondence to the USACOE and OEPA must include a map of the project elements on one or more USGS 7.5 minute quadrangles, must indicate the number of stream crossings with the name of each and note the estimated acreage of direct wetland impacts. This

correspondence must be completed prior to submission of plans and specifications to Rural Development for review. Copies of all correspondence sent and received must be provided to Rural Development.

- Any permit or certification requirements from the USACOE or OEPA must be incorporated into the plans and specifications.
- If any wetlands are identified in project areas, they must be shown on the plans or a copy of the wetland delineation (if applicable) must be provided to the contractor, so that they know where permit conditions are to be followed.
- All wetland area where lines are placed will be restored with native vegetation and to original contours.
- Impacts to water quality due to runoff and erosion will be mitigated through compliance with the Ohio Department of Natural Resources' Manual of Rainwater and Land Development.
- Placement of pipelines and appurtenances in wetland areas should be avoided when possible. In areas where avoidance is not possible, the top soil should be replaced in the top 6-inches of the trench at the original contour. Granular material should not be used. Construction equipment and extraneous fill material should be stored on an upland site in order to prevent contamination.

#### **Cultural Resources/ Visual Aesthetics**

- Any excavation by the contractor that uncovers an historical or archaeological artifact shall be immediately reported to the Owner and the USDA State Environmental Coordinator. Construction shall be temporarily halted pending the notification process and further directions issued

#### **Biological Resources**

- If suitable Indiana bat or northern long-eared bat habitat occurs within the project area, these trees must be conserved. If suitable habitat occurs on the project area and trees must be cut, cutting must occur between October 1 and March 31. If suitable trees must be cut during the summer months, a net survey must be conducted between June 1 and August 15, prior to any cutting. Net surveys should incorporate either nine net nights per square 0.5 kilometer of project area, or four net nights per kilometer for linear projects.

### Water Quality

- The owner will coordinate with the USACOE and the OEPA, Division of surface Water regarding the need for a Section 404 Permit, a Section 401 Water Quality Certification and a Nationwide Permit. Correspondence to the USACOE and OEPA must include a map of the project elements on one or more USGS 7.5 minute quadrangles must indicate the number of stream crossings with the name of each. The correspondence must be completed prior to submission of plans and specifications to Rural Development for review. Copies of all correspondence sent and received must be provided to Rural Development
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- Erosion should be minimized to the maximum extent possible, along the entire corridor by properly installing silt fences and other erosion control techniques.
- Construction equipment and extraneous fill material should be stored on an upland site, away from streams in order to avoid contamination.
- Construction specifications and other contract provisions will require: 1) permanent erosion control through suitable site drainage and finish grading, seeding, sodding, riprap, detention ponds and other structural erosion control measures as needed; 2) compliance with OSHA and ODOT safety standards and regulations; 3) providing temporary sanitary facilities; 4) compliance with all Ohio EPA and Health Department regulations and 5) compliance with the Belmont and Harrison County NRCS erosion control measures.
- The project will be required to comply with the Ohio EPA regulation regarding storm water discharges associated with construction activity under the NPDES. A) the Owner should apply for, obtain and pay for the NPDES Construction storm water permit. B) the Owner should provide to the Rural Development area office copies of the permit and approved plan by the Ohio EPA. C) Storm water pollution prevention plan (SWP3), must be prepared for the construction of the proposed project and associated construction activities. The Owner will submit the Notice of Intent (NOI) to OEPA to ensure that they are covered under the NPDES general permit that is authorized by the OEPA for construction activity. If OEPA does not authorize coverage under the general permit, then the contractor/owner should apply for an individual permit for the proposed project construction. D) The SWP3, the NOI and the letter from the OEPA general permit shall be maintained at the construction site at all times. If an individual permit is required, then the permit will also be maintained at the construction site.

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Copies of the referenced documents shall be provided to the Rural Development Area Office. E) Provisions of the SWP3 should be incorporated into the plans and specifications for the proposed project construction.

### **Air Quality**

- Dust control methods will be utilized as necessary during construction

### **Transportation**

- All ODOT and OSHA traffic control regulations must be implemented during construction.
- At least one lane of traffic should be maintained at all times. If roads must be temporarily closed for construction, appropriate officials will be notified in advance.

### **Noise**

- In order to control unnecessary noise and minimize disturbance to area residents, project construction should be limited to normal daylight hours.

### **Solid Waste Disposal**

- The contractor shall provide for regular removal of any solid waste generated during construction in accordance with appropriate disposal requirements.

## **5.0 Correspondence**

- 5A Natural Resource Conservation Service (NRCS)
- 5B Ohio Department of Natural Resources (ODNR)
- 5C U.S. Fish and Wildlife Service (USFWS)
- 5D Ohio Historic Preservation Office (OHPO)
- 5E U.S. Army Corps of Engineers (USACOE)

## **6.0 Exhibits/Maps**

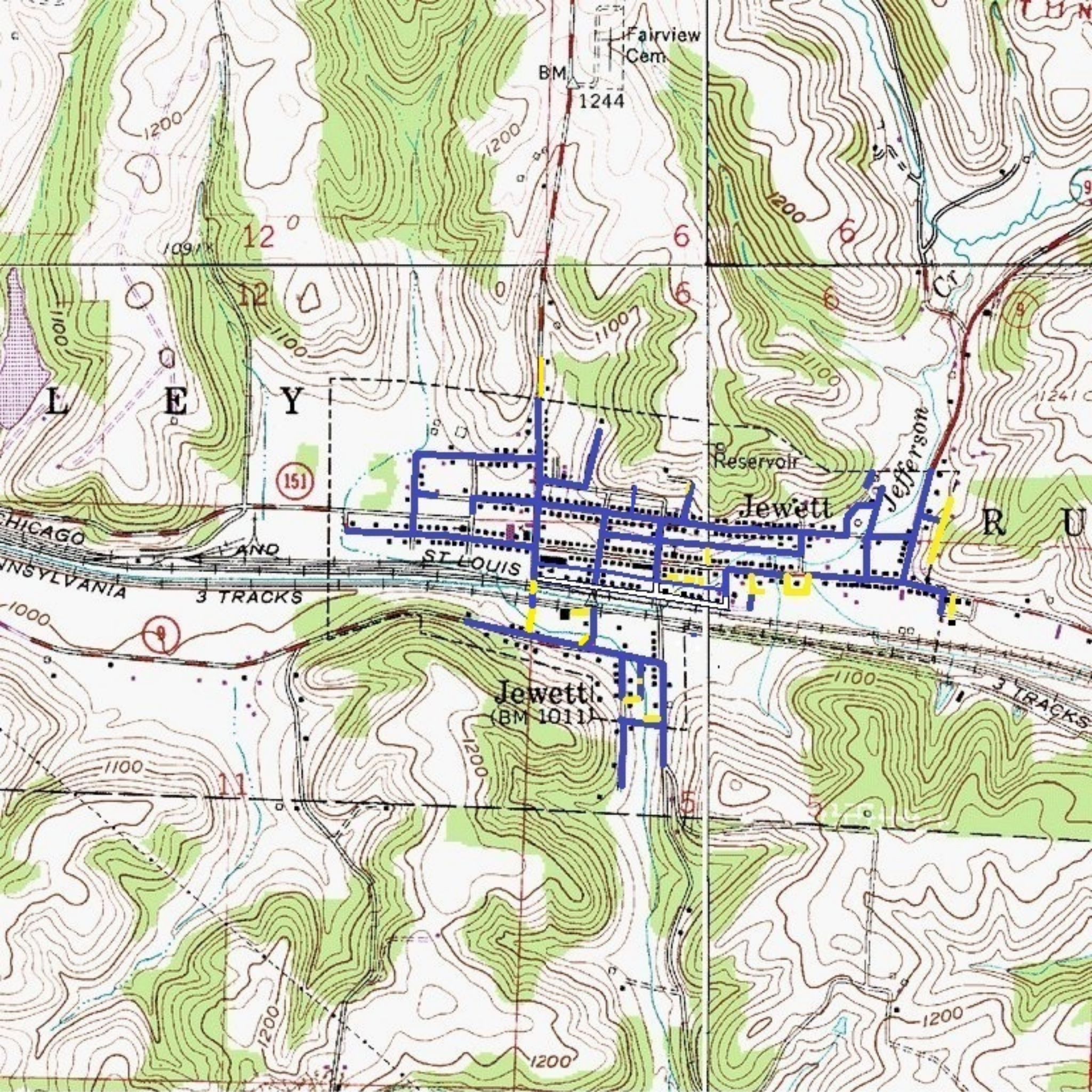
- 6A USGS Quadrangle Map
- 6B Soils Map
- 6C Floodplain Map
- 6D Wetland Map
- 6E Aerial Map
- 6F Hydric Soil
- 6G RUS Form 2006-38, Civil Rights Impact Analysis Form
- 6H Site Photos
- 6I Wild & Scenic Rivers Map
- 6J Sole Source Aquifer Map
- 6K Coastal Zone Map

## **7.0 List of Preparers**

This Environmental Report was prepared by Pam Ewing, Rural Development Specialist, Rural Community Assistance Program (RCAP).

# ATTACHMENT K

USGS TOPOGRAPHIC MAP



**WATERLINE REPLACEMENT**

**EASEMENTS (AREA OF POTENTIAL EFFECTS)**

# **ATTACHMENT L**

## **CONTAMINATED SITES**

**EPA HAZARDOUS WASTE SITES MAP**

**SUPERFUND SITES MAP**

**TOXIC SUBSTANCES MAP**

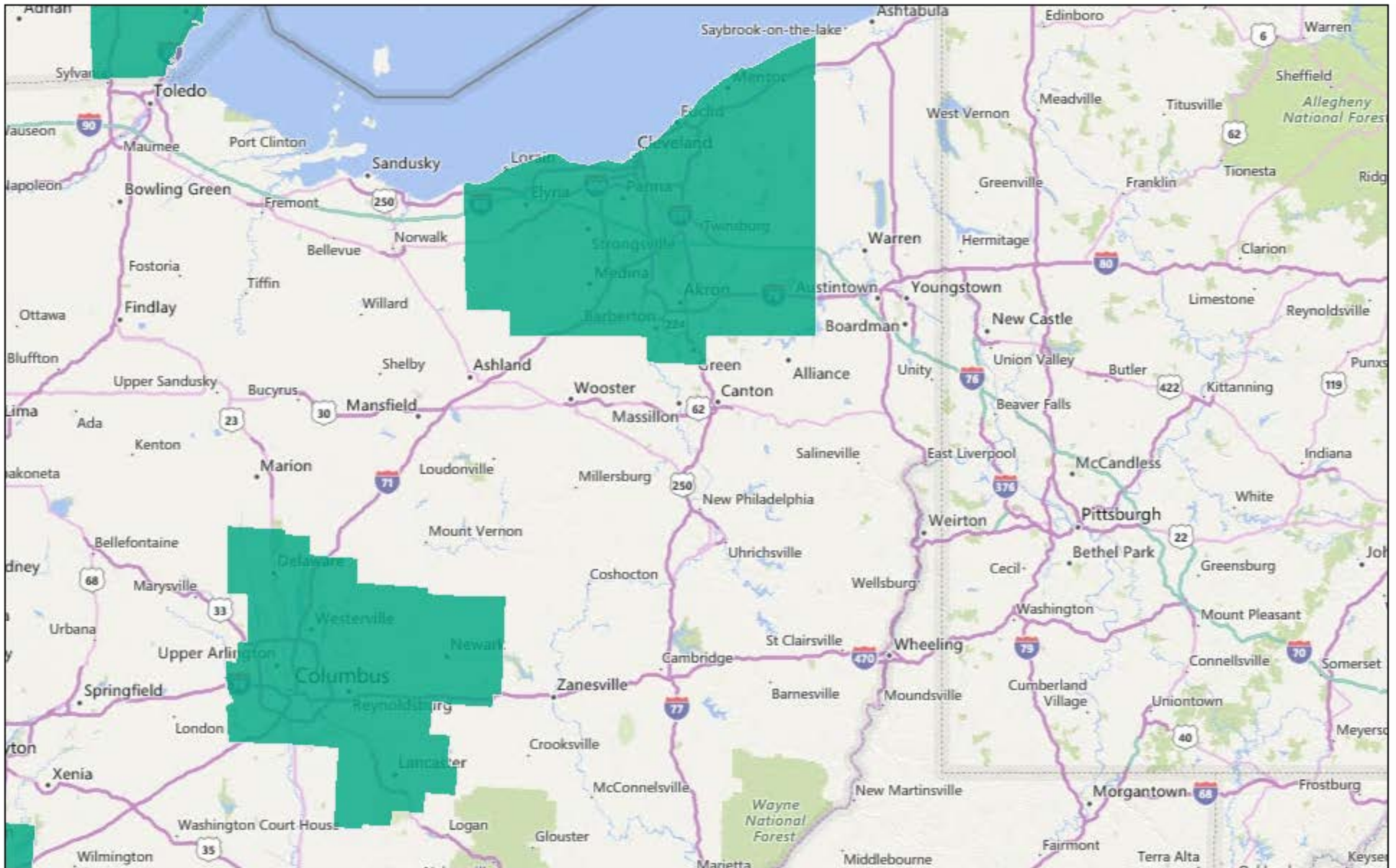
**TOXIC RELEASES MAP**

**AIR POLLUTION SITES**

**LIST OF UNDERGROUND STORAGE TANKS SITES**

**HUD GUIDANCE ON SITE CONTAMINATION**



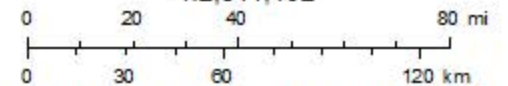


March 1, 2019

**Ozone 8-hr (2015 Standard)**

- Maintenance
- Nonattainment

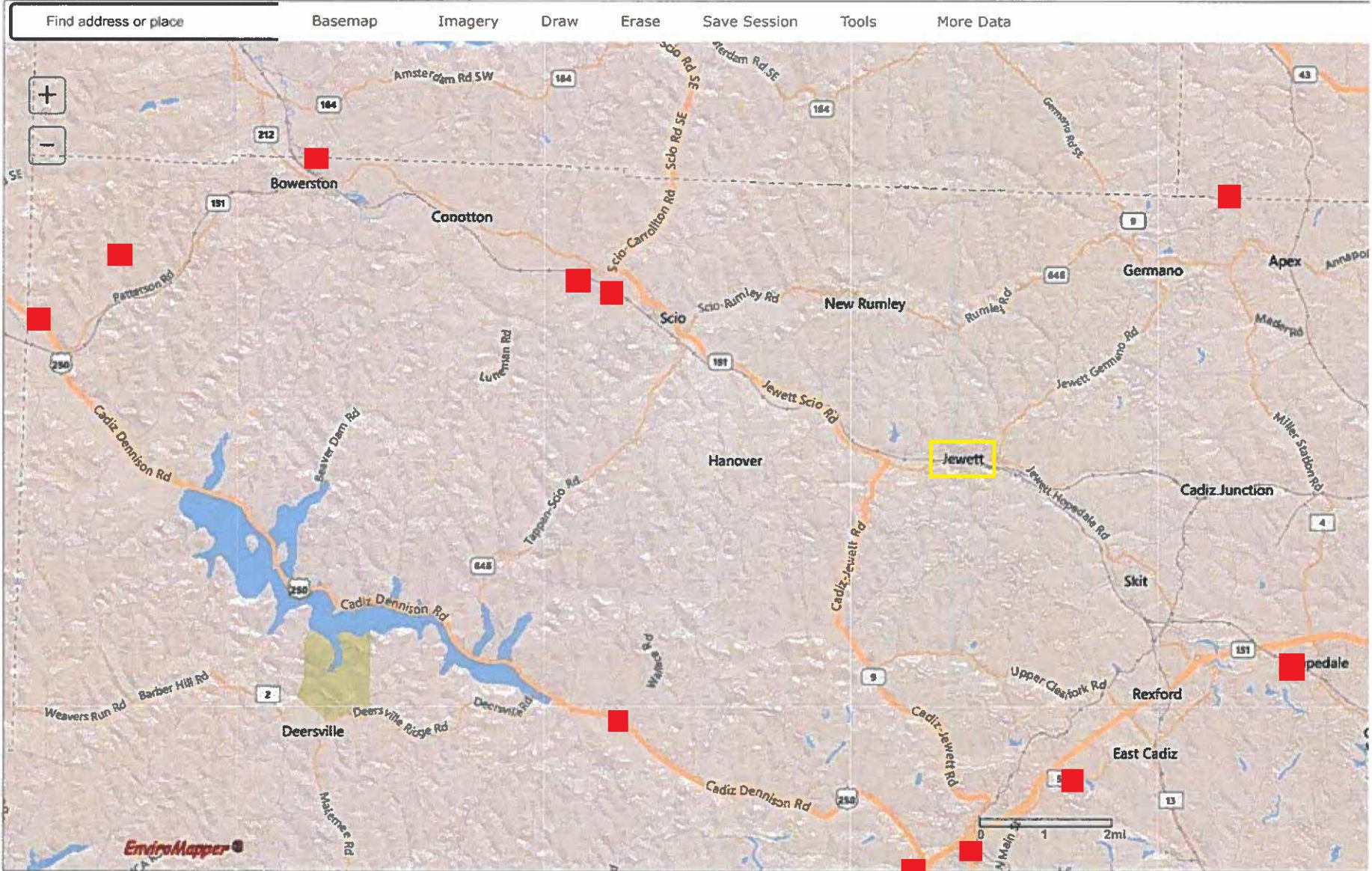
1:2,311,162




U.S. EPA Office of Air and Radiation (OAR) - Office of Air Quality Planning and Standards (OAQPS)

# HAZARDOUS WASTE SITES IN HARRISON COUNTY

NEPAssist

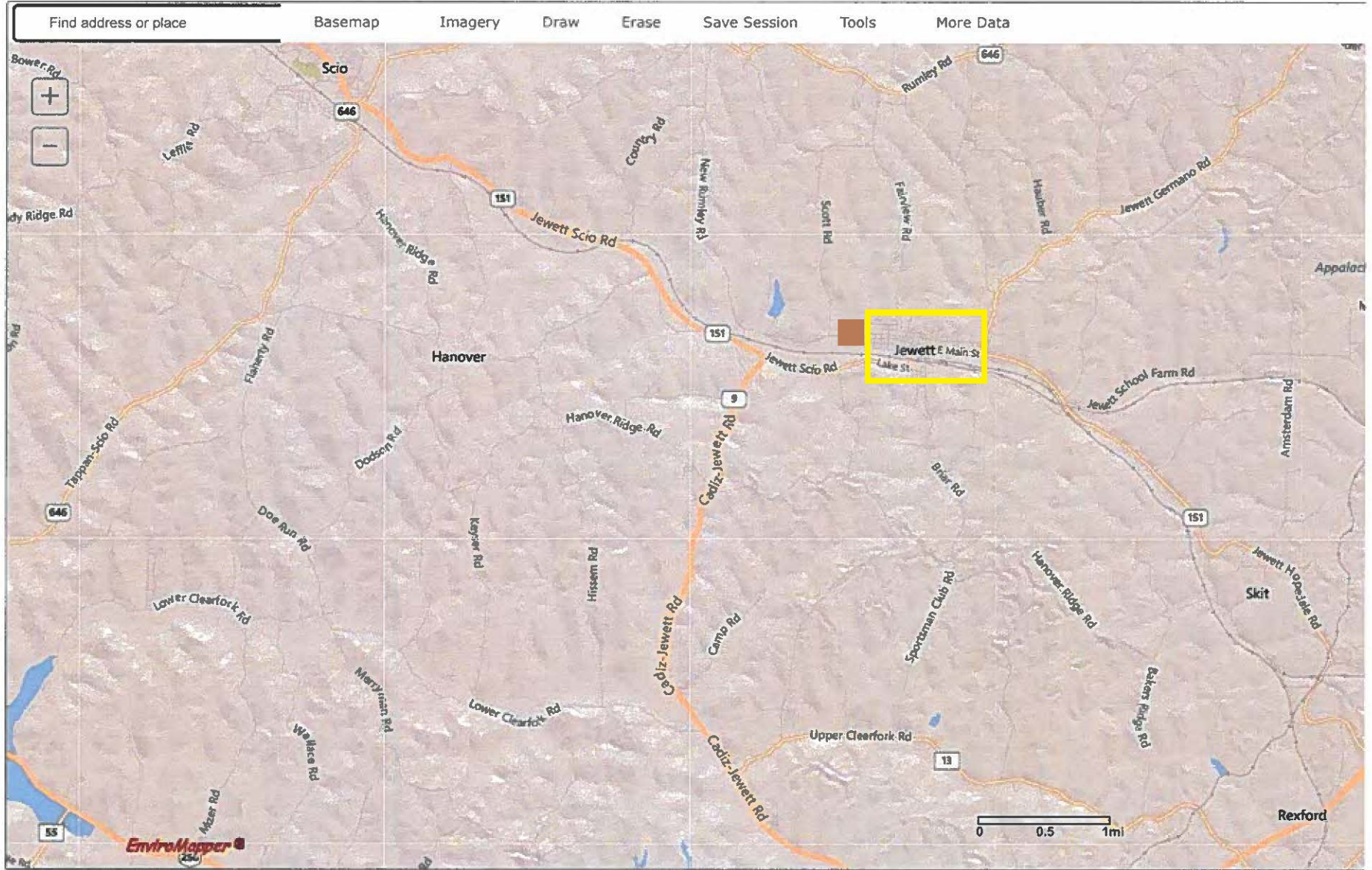


 SERVICE AREA

 HAZARDOUS WASTE SITES

# WASTEWATER DISCHARGE SITES

NEPAssist



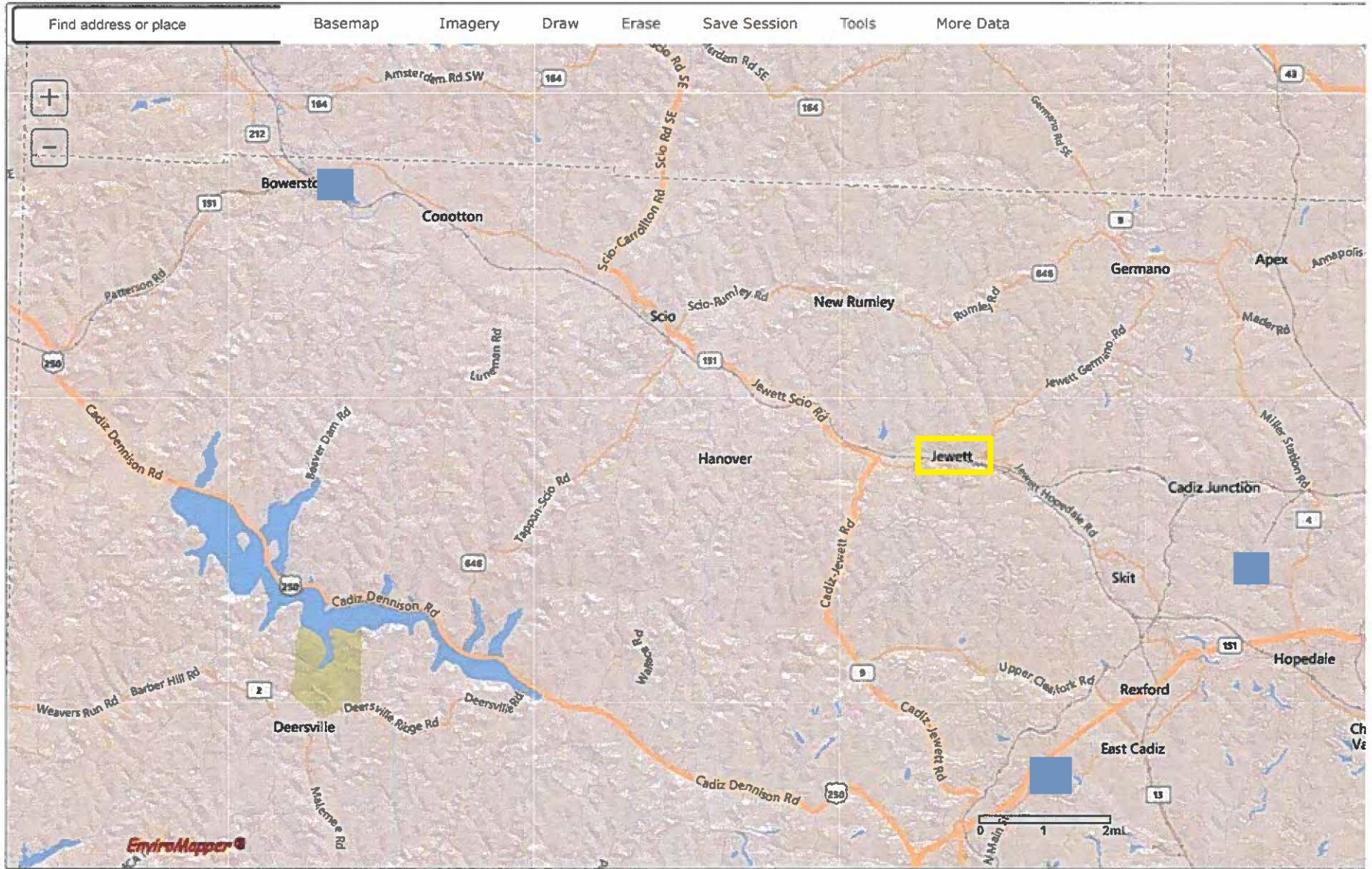
**SERVICE AREA**



**WASTEWATER DISCHARGE SITE**

# TOXIC RELEASES SITES

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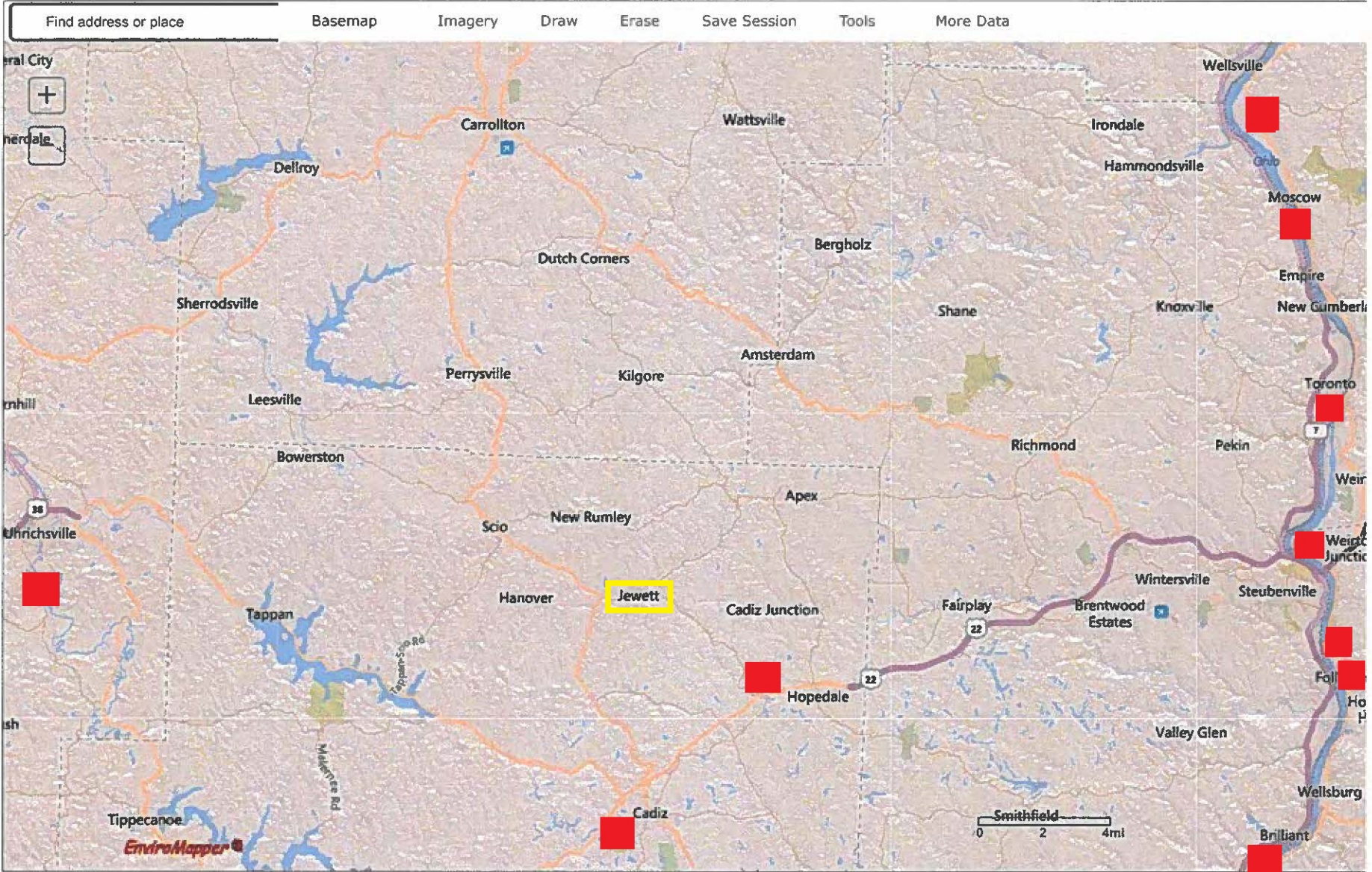
SERVICE AREA



TOXIC RELEASES SITES

# TOXIC SUBSTANCES SITES

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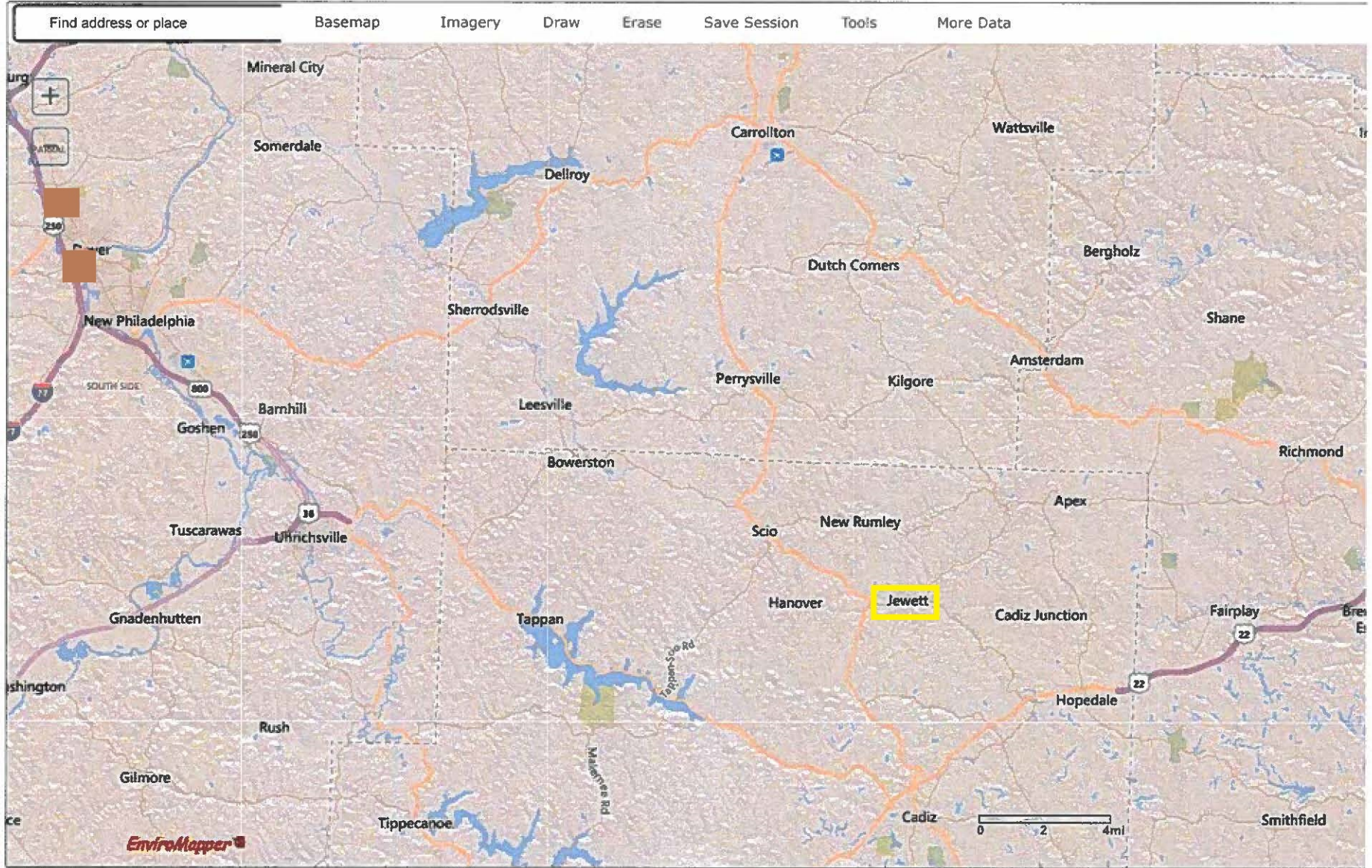
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TOXIC SUBSTANCES SITES

# SUPERFUND SITES

NEPAssist



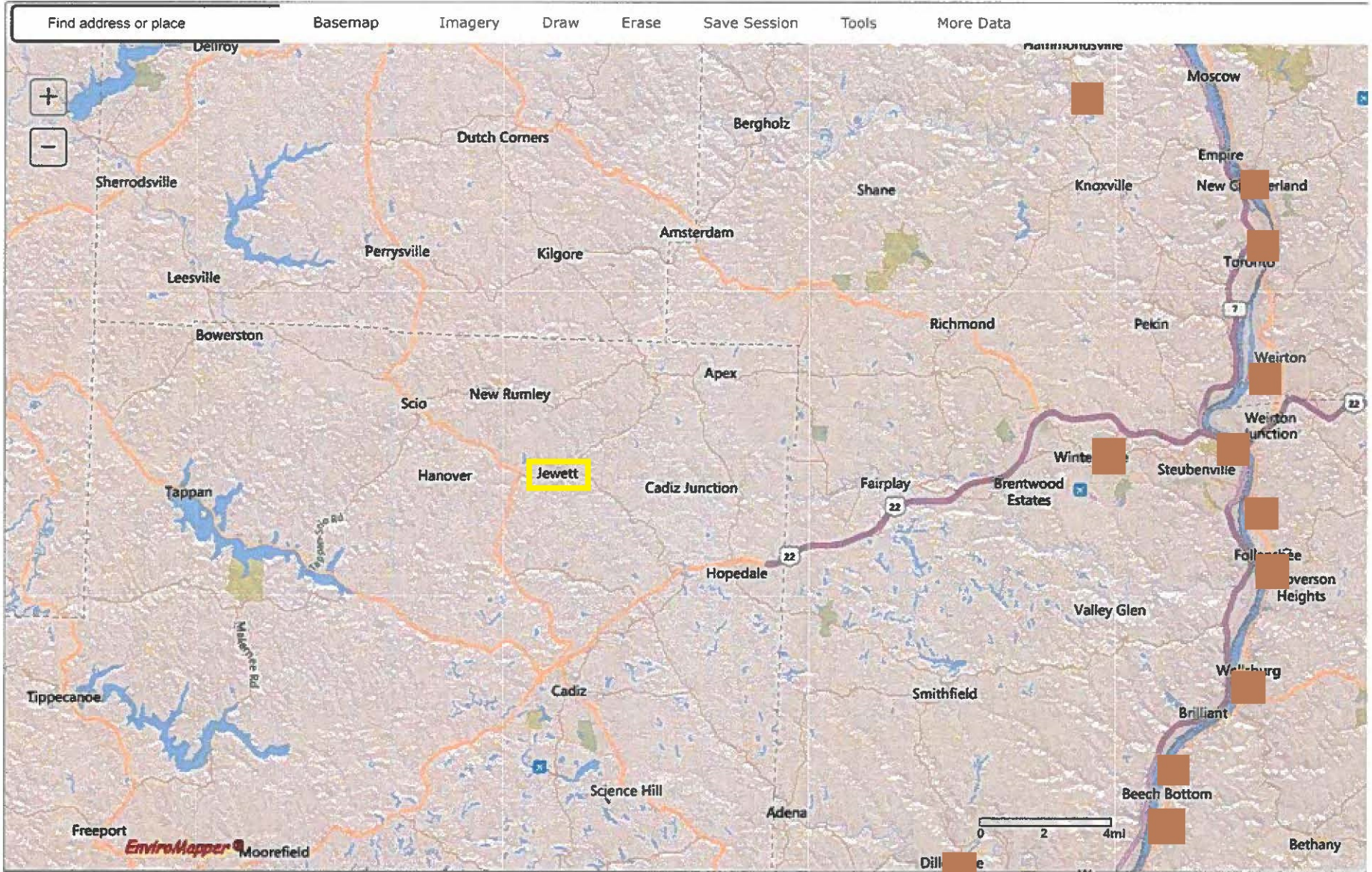
SERVICE AREA



SUPERFUND SITES

# BROWNFIELD SITES

NEPAssist



**SERVICE AREA**



**BROWNFIELD SITES**

## Notice (/site-wide-banners/notice/)

Due to the lapse in Congressional Appropriations for Fiscal Year 2019, the U.S. Department of Housing and Urban Development (HUD) is closed. This website is supported by a cooperative agreement funded under a prior appropriation. Current functions will remain operational but no new functions will be added during the lapse in appropriations. For more information, see **HUD Contingency Plan for Possible Lapse in Appropriations** (<https://www.hud.gov/sites/documents/HUDCONTINGENCYPLANFINAL.PDF>).

[Home \(/\)](#) > [Programs \(/programs/\)](#) > [Environmental Review \(/programs/environmental-review/\)](#) > [Site Contamination](#)

# Site Contamination

## Introduction

It is HUD policy, as described in 24 CFR Part 50.3(i) and 24 CFR 58.5(i)(2), that:

1. All property proposed for use in HUD programs be free of hazardous materials, contamination, toxic chemicals and gasses, and radioactive substances, where a hazard could affect the health and safety of occupants or conflict with the intended utilization of the property.
2. Environmental review of multifamily and non-residential properties shall include evaluation of previous uses of the site and other evidence of contamination on or near the site, to assure that occupants of proposed sites are not adversely affected by the hazards.
3. Particular attention should be given to any proposed site on or in the general proximity of such areas as dumps, landfills, industrial sites, or other locations that contain, or may have contained, hazardous wastes.
4. The responsible entity shall use current techniques by qualified professionals to undertake investigations determined necessary

It is therefore essential that responsible entities, potential grant applicants, and other HUD program participants become familiar with the potential environmental issues involving property before leasing, optioning, and/or acquiring the property. Unknowing individuals or parties that acquire contaminated property with good intentions could face liability for clean-up costs under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), third party lawsuits, and costly delays in implementing the project.

## HUD Guidance

**Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property?**

Sites known or suspected to be contaminated by toxic chemicals or radioactive materials include but are not limited to sites: (i) listed on an EPA Superfund National Priorities or CERCLA List, or equivalent State list; (ii) located within 3,000 feet of a toxic or solid waste landfill site; or (iii) with an underground storage tank. For any of these conditions, the grantee must provide an ASTM Phase I report.



Accelerated Processing) Guide to comply with toxics and site contamination. Non-FHA projects should identify the potential for hazardous substances or materials that may affect the health and safety of the users of the property as follows:

- Review databases maintained by U.S. EPA and state, local, and tribal environmental quality departments or agencies to screen for potential *on-site* and *off-site* facilities that could pose health and safety problems and toxic clean-up sites that are presently under analysis or remediation.
- Investigate previous uses of the site. Site inspections and building and use permit records as well as Sanborn Co. maps show previous land uses which could have left toxic residues. Other methods of evaluation include performing a site walk, interviewing property owners or managers and local officials, and analyzing local land use records, permits, and violations.
- When site conditions indicate that the subject property is contaminated or likely contaminated by toxic substances, hazardous materials or petroleum products, one shall provide an ASTM certified Phase I ESA report, or other studies where applicable. Any hazards that are identified should be evaluated for the potential to affect the health and safety of the occupants and end-users. Contact your local HUD field environmental officer for further technical assistance in this regard.

#### **Can adverse environmental impacts be mitigated?**

Use mitigation to prevent the hazard from affecting the health and safety of project occupants, or remediate the contaminated property and work with the appropriate state agency.

## **Compliance and Documentation**

For non-FHA-insured programs, the environmental review record should contain **one** of the following:

Evidence the site is not contaminated (for multifamily housing projects this includes on site and off site contamination and previous uses of the site); a Phase I Environmental Site Assessment is strongly encouraged for multifamily and non-residential projects

Evidence supporting a determination the hazard will not affect health and safety of the occupants or conflict with the intended use of the site, including any mitigation measures used

Documentation the site has been cleaned up according to EPA or state standards for residential properties, which requires a letter of "No Further Action" (NFA) required from the appropriate state department/agency, or a RAO letter from the LSRP

**View Site Contamination (Single Family) - Worksheet** (</resources/documents/Site-Contamination-Single-Family-Worksheet.docx>).

**View Site Contamination (Multi-Family) - Worksheet** (</resources/documents/Site-Contamination-Multi-Family-Worksheet.docx>).

**View Site Contamination (Single Family) - Partner Worksheet** (</resources/documents/Toxics-Single-Partner-Worksheet.docx>).

**View Site Contamination (Multi-Family) - Partner Worksheet** (</resources/documents/Toxics-Multifamily-Partner-Worksheet.docx>).

## **Guidance and Training Materials**

Applicability of ASTM E 1527-13 Phase I ESA Standard for HUD Environmental Reviews  
(/resource/3702/fact-sheet-applicability-of-astm-e-152713-phase-i-esa-standard-for-hud/)

Choosing an Environmentally Safe Site (/resource/83/choosing-an-environmentally-safe-site/)

Multifamily Accelerated Processing Guide, Chapter 9 (/resource/3226/multifamily-accelerated-processing-guide/)

Using a Phase I Environmental Site Assessment to Document Compliance with HUD Environmental Standards at 24 CFR 58.5(i)(2) or 50.3(i) (/resource/4829/using-a-phase-i-environmental-site-assessment-to-document-compliance-with-hud-environmental-standards-at-24-cfr-585i2-or-503i/)

## **Tools and Templates**

EPA Toxic Releases Inventory Website (<http://www2.epa.gov/toxics-release-inventory-tri-program>)

EPA Envirofacts Data Warehouse (<http://www.epa.gov/enviro/>)

## **Webinars and Virtual Trainings**

Understanding HUD Environmental Reviews: Evaluating Site Contamination for HUD Projects Webinar  
(/trainings/courses/evaluating-site-contamination-for-hud-projects-webinar/)

## **Information on Specific Hazards from HUD Programs or other Agencies**

OEE's Radon Fact Sheet (/resource/4955/oeeradonfactsheet/)

HUD's Office of Healthy Homes and Lead Hazard Control Home Page  
([http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/healthy\\_homes](http://portal.hud.gov/hudportal/HUD?src=/program_offices/healthy_homes))

HUD's Office of Healthy Homes and Lead Hazard Control - Radon  
([http://portal.hud.gov/hudportal/HUD?src=/program\\_offices/healthy\\_homes/healthyhomes/radon](http://portal.hud.gov/hudportal/HUD?src=/program_offices/healthy_homes/healthyhomes/radon))

HUD Office of Multifamily Development Radon Policy (/resource/3227/hud-memo-hud-office-of-multifamily-development-radon-policy/)

HUD's Multifamily Housing Policy – American Association of Radon Scientists and Technologists Training ([http://aarst.org/hud\\_mutifamily\\_housing\\_policy.shtml](http://aarst.org/hud_mutifamily_housing_policy.shtml))

EPA Training on Radon ([http://www.radon.com/radon/radon\\_EPA.html](http://www.radon.com/radon/radon_EPA.html))

Information on Lead-Based Paint (EPA) (<http://www2.epa.gov/lead>)

Information on Asbestos (EPA) (<http://www2.epa.gov/asbestos>)

Information on Mold (EPA) (<http://www.epa.gov/mold/>)

(<http://www.epa.gov/compliance/resources/publications/cleanup/brownfields/handbook/index.html>)

EPA's Where You Live (<http://www.epa.gov/compliance/whereyoulive/index.html>)

EPA's Office of Pollution Prevention and Toxics Home Page (<http://www.epa.gov/opptintr/index.html>)

## Regulations

24 CFR Part 50.3(i) (<http://www.gpo.gov/fdsys/granule/CFR-2010-title24-vol1/CFR-2010-title24-vol1-sec50-3/content-detail.html>)

24 CFR 58.5(i)(2) ([http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title24/24cfr58\\_main\\_02.tpl](http://www.ecfr.gov/cgi-bin/text-idx?tpl=/ecfrbrowse/Title24/24cfr58_main_02.tpl))

## Resources

EPA Enviromapper (<http://www.epa.gov/emefdata/em4ef.home>)

EPA NEPAssist (<http://www.epa.gov/compliance/nepa/nepassist-mapping.html>)

[View Additional Resources](#)

## Federal Related Laws and Authorities

[Air Quality \(/environmental-review/air-quality\)](#)

[Airport Hazards \(/environmental-review/airport-hazards\)](#)

[Coastal Barrier Resources \(/environmental-review/coastal-barrier-resources\)](#)

[Coastal Zone Management \(/environmental-review/coastal-zone-management\)](#)

[Environmental Justice \(/environmental-review/environmental-justice\)](#)

[Endangered Species \(/environmental-review/endangered-species\)](#)

[Explosive and Flammable Facilities \(/environmental-review/explosive-and-flammable-facilities\)](#)

[Farmlands Protection \(/environmental-review/farmlands-protection\)](#)

[Flood Insurance \(/environmental-review/flood-insurance\)](#)

[Floodplain Management \(/environmental-review/floodplain-management\)](#)

[Historic Preservation \(/environmental-review/historic-preservation\)](#)

[Noise Abatement and Control \(/environmental-review/noise-abatement-and-control\)](#)

[Site Contamination \(/environmental-review/site-contamination\)](#)

[Sole Source Aquifers \(/environmental-review/sole-source-aquifers\)](#)

[Wetlands Protection \(/environmental-review/wetlands-protection\)](#)

[Wild and Scenic Rivers \(/environmental-review/wild-and-scenic-rivers\)](#)

# **ATTACHMENT M**

**EARLY FLOODPLAIN NOTICE**

**PUBLISHED APRIL 10, 2019**

## PUBLIC NOTICES

## LEGAL NOTICE

The Harrison Hills City Board of Education is seeking bids for an Auctioneer. The board is seeking an auctioneer to auction personal property items that the school district will no longer need at the conclusion of this school year. All items need sold by August 5, 2019. The district is looking to do a combination auction; online and on location. Please include in the sealed bid your fee along with an itemized list of all associated costs the district would be responsible for. Please submit your sealed bid to Roxane Harding, Treasurer, 730 Peppard Ave., Cadiz, Ohio 43907. Clearly mark the outside of your envelope "Bid Proposal". All bids must be received and will be opened at 1:00 p.m. on April 29, 2019 at 730 Peppard Ave., Cadiz, OH. If you have any questions, contact Roxane Harding, Treasurer at 740-942-7800 or by email [rharding@hhcsd.org](mailto:rharding@hhcsd.org). The board of education reserves the right to accept or reject any or all bids.

Roxane Harding  
Treasurer

4-6,8,9,10,11,12,13,15,  
16,17,18,19,20, 2019 Adv.

**LEGAL NOTICE  
VILLAGE OF JEWETT  
WATER SYSTEM  
IMPROVEMENT  
PROJECT  
ADVERTISEMENT  
FOR BIDS**

Sealed Bids for the construction of the Water System Improvements Project will be received, by the Village of Jewett at its Office: 110 West Main Street, Jewett OH 43986 until 1:30 P.M. (Local Time) on May 9, 2019,

and then at said office publicly opened and read aloud.

The Work to be bid upon is described as follows: The work shall consist of installation of approximately 9,835 LF of 8" PVC C900, 310 LF of 8" DIP Class 50, 12,825 LF of 6" PVC C900, 1,670 LF of 4" PVC C900, 300 LF of 3" PVC C900, 26 EA 8" Gate Valves, 51 EA 6" Gate Valves, 6 EA 4" Gate Valves, 1 EA 3" Gate Valve, 4 EA 2" Gate Valves, 297 EA 3/4" Meter Setting, Replacing 27 EA Fire Hydrant Assemblies, 6 EA New Fire Hydrant Assemblies, 10 EA Blow-Off Hydrant Assemblies, Reconnection of 297 EA Service Lines, 7,550 LF of 3/4" PE Service Line and all other necessary appurtenances.

The Issuing Office for the Bidding Documents is: E.L. Robinson Engineering Company 5088 Washington Street, West

Charleston, WV 25313

Attn: Jack Ramsey, P.E. 304-776-7473 ext. 250/

[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Prospective Bidders may examine the Bidding Documents at the Issuing Office on Mondays through Fridays between the hours of 9 A.M and 4 P.M. and may obtain copies of the Bidding Documents from the Issuing Office as described below.

Bidding Documents also may be examined at the following:

1. Ohio Contractor's Association 1313 Dublin Road Columbus, OH 43215
2. Village of Jewett 110 West Main Street Jewett, OH 43986
3. E.L. Robinson Engineering Company

5088 Washington Street, West Charleston, WV 25313

Printed copies of the Bidding Documents may be obtained from the Issuing Office, during the hours indicated above, upon non-refundable payment of \$200.00 for each set. Checks for Bidding Documents shall be payable to "E.L. Robinson Engineering Company". Upon request and receipt of the document deposit indicated above plus a non-refundable shipping charge of \$30.00, the Issuing Office will transmit the Bidding Documents via delivery service. The date that the Bidding Documents are transmitted by the Issuing Office will be considered the Bidder's date of receipt of the Bidding Documents. Partial sets of Bidding Documents will not be available from the Issuing Office. Neither Owner nor Engineer will be responsible for full or partial sets of Bidding Documents, including Addenda if any, obtained from sources other than the Issuing Office.

A pre-bid conference will be held at 11:00 AM local time on April 25, 2019 at 110 West Main Street; Jewett, OH 43986. Attendance at the pre-bid conference is highly encouraged but is not mandatory.

Attention of bidders is called to all of the requirements contained in this bid packet, particularly to the Federal Labor Standard Provisions and the Federal Davis-Bacon Prevailing Wage Rates for Harrison County, various insurance requirements, various equal opportunity provisions, and the requirements for a payment

bond and performance bond for 100% of the contract price.

Bid security shall be furnished in accordance with the Instructions to Bidders. The Engineer's estimate of construction cost for this project is \$2,911,243. Owner: Village of Jewett By: Dwight Busby Title: Mayor Date: April 3, 2019 4-3,10,24, 2019 Adv.

**NOTICE FOR EARLY  
PUBLIC REVIEW OF A  
PROPOSAL TO SUP-  
PORT ACTIVITY IN A  
100-YEAR FLOODPLAIN**  
April 11, 2019

To: All Interested Agencies, Groups, and Individuals:

The Village of Jewett is in the process of conducting an environmental review for the:

**Project Name:**

Village of Jewett Water System Replacement Project

**Activity Name:**

Water System Replacement Project

**Type of HUD Assistance:**

CDBG Residential Public Infrastructure Grant Program

**Location of the Activity:**

Village of Jewett, Harrison County, Ohio

**Description:**

The project will involve the replacement of the Village of Jewett's water system to address numerous water line breaks in the aging water system.

The project includes the construction of 24,000 linear feet of 6-inch water lines, 3,180 linear feet of 8-inch water lines, 3,000 linear feet of 3/4-inch service lines, five 8-inch gate valves, thirty-five 6-inch gate valves, and 20 fire hydrants in the Village of Jewett.

This notice is required by

Section 2(a)(4) of Executive Order 11988 for Floodplain Management and is implemented by HUD Regulations found at 24 CFR 55.20(b) for any action that is within and/or affects a floodplain. As currently proposed, the project site will include areas designated as floodplain.

The Village of Jewett alternatives regarding sponsorship of the action would be:

1. Approval as proposed;
2. Disapproval;
3. Approval only if all improvements are located outside of the floodplain;
4. Approval of an equivalent project site located outside of the floodplain; and
5. Approval only if no fill is added in floodplain areas.

Additional information regarding the proposed action may be obtained by contacting Alan Knapp, ARC Program Manager, at 740-439-4471, x211 or at the following addresses: Alan Knapp, OMEGA 326 Highland Avenue, Suite B Cambridge, OH 43725 [alank@omegadistrict.org](mailto:alank@omegadistrict.org) Any interested person, agency, or group wishing to comment on the project may submit written comments for consideration to the Ohio Mid-Eastern Governments Association (OMEGA) at the above listed address by 5:00 pm. on April 26, 2019, which is at least 15 days after the publication of this notice.

4-10, 2019 Adv.

**PUBLIC NOTICE**  
F.Y. 2018 - 2021 Transportation Improvement Program - Revision #14  
The Brooke-Hancock-Jefferson Metropolitan Planning Organization is

accepting public review and comment regarding a proposed Revision #14 of the Fiscal Year 2018 - 2021 Transportation Improvement Program (TIP), for the Brooke-Hancock-Jefferson Metropolitan Planning (BHJMPO) Region.

The BHJMPO Technical Advisory and Policy Committees will consider adoption of Revision #14 during at joint meeting convening at 12:00 Noon respectively on Wednesday, April 24, 2019. The BHJMPO will conduct the meeting at the Brooke-Hancock-Jefferson Metropolitan Planning Commission Offices located at 124 North Fourth Street, Second Floor; Steubenville, Ohio.

Revision #14 includes an addition for the following project:

In Jefferson County, OH add the Engineering and Right-of-Way phases of JEF-CR600-1.27 (Lovers Lane Road) in Steubenville, OH for widening to provide two 12-foot lanes, new curb, sidewalk, and curb ramps, ODOT PID#99012.

Those persons wishing to review the proposed revision may request a copy of the program of projects by contacting the BHJMPO office at (740) 282-3685 or by accessing the BHJ website at [www.bhjmco.org](http://www.bhjmco.org) on or before 4:00 p.m. Tuesday April 23, 2019. The office is located at 124 North

Fourth Street, Second Floor, Steubenville, Ohio. Business contact hours are 9:00 a.m. to 4:00 p.m. weekdays Monday through Friday. Direct all inquiries to Mr. Mike Paprocki, Executive Director or, in his absence, Ms. Adrienne Ward, Office Manager. The BHJMPO will acknowledge e-mail requests and comments at [mikepap@bhjmco.org](mailto:mikepap@bhjmco.org).

The BHJMPO accepts and responds to written and signed requests only by mail, in person, or e-mail received no later than 4:00 p.m. Tuesday April 23, 2019.

4-10,22, 2019 Adv.

**GARAGE SALE**

Items listed in word cloud: tools, clothes, toys, shoes, furniture, games, lawn furniture, rakes, pet supplies, dvds, records, tea kettle, bicycle, movies, books, magazines, newspapers, lawn furniture, rakes, games, sculptures, baby bed, dog, pet supplies, mirror, stereo equipment, dvds, cards, bicycle, records, tea kettle, bicycle, movies, shoes, picture frame, chairs, golf clubs, fishing poles, table, guitar, vase, lamp, golf clubs, sporting equipment, tricycle, jewelry, hat, tools, scarf, games, bed sheets, bicycle.

**Herald Star**  
www.HeraldStarOnThe.com

**Daily Times**  
www.DailyTimes.com

**Call the Classified Department**  
**1-740-283-4711**

## Ogden News Publishing of Ohio, Inc Print Ad Proof

ADNo: 182724 Customer Number: L01353  
 Customer Name: VILLAGE OF JEWETT Company:  
 Address: P.O. BOX 192 ATTN: LINDA AGER  
 City/St/Zip: JEWETT ,OH 43986  
 Phone: (740) 946-1471 Solicitor: 24  
 Category: 80 Class: 598 Rate: OL-0 Start: 4-10-2019 Stop: 4-10-2019  
 Lines: 99 Inches: 9.63 Words: 332

Credit Card: Expire:  
 Order Number:  
 Cost: 113.85 Extra Charges: 2.00 Adjustments: .00  
 Payments: .00 Discount: .00  
 Balance: 115.85

**NOTICE FOR EARLY  
 PUBLIC REVIEW OF A  
 PROPOSAL TO SUP-  
 PORT ACTIVITY IN A  
 100-YEAR FLOODPLAIN**

April 11, 2019

To: All Interested Agen-  
 cies, Groups, and Individ-  
 uals:

The **Village of Jewett** is  
 in the process of conduct-  
 ing an environmental re-  
 view for the:

**Project Name:**

Village of Jewett Water  
 System Replacement Pro-  
 ject

**Activity Name:**

Water System Replace-  
 ment Project

**Type of HUD Assis-**

**tance:** CDBG Residential  
 Public Infrastructure Grant  
 Program

**Location of the Activity:**

Village of Jewett, Harrison  
 County, Ohio

**Description:**

The project will involve the  
 replacement of the Village  
 of Jewett's water system  
 to address numerous wa-  
 ter line breaks in the aging  
 water system.

The project includes the  
 construction of 24,000  
 linear feet of 6-inch water  
 lines, 3,180 linear feet of  
 8-inch water lines, 3,000  
 linear feet of ¾-inch ser-  
 vice lines, five 8-inch gate  
 valves, thirty-five 6-inch  
 gate valves, and 20 fire  
 hydrants in the Village of  
 Jewett.

This notice is required by  
 Section 2(a)(4) of Execu-  
 tive Order 11988 for  
 Floodplain Management  
 and is implemented by  
 HUD Regulations found at  
 24 CFR 55.20(b) for any  
 action that is within and/or  
 affects a floodplain. As  
 currently proposed, the  
 project site will include  
 areas designated as flood-  
 plain.

**The Village of Jewett** al-  
 ternatives regarding spon-  
 sorship of the action would  
 be:

1. Approval as proposed;
2. Disapproval;
3. Approval only if all im-  
 provements are located  
 outside of the floodplain;
4. Approval of an  
 equivalent project site lo-  
 cated outside of the flood-

plain; and

5. Approval only if no fill is added in floodplain areas.

Additional information regarding the proposed action may be obtained by contacting **Alan Knapp, ARC Program Manager, at 740-439-4471, x211** or at the following addresses:

Alan Knapp, OMEGA  
326 Highland Avenue,  
Suite B

Cambridge, OH 43725  
alank@omegadistrict.org  
Any interested person, agency, or group wishing to comment on the project may submit written comments for consideration to the **Ohio Mid-Eastern Governments Association (OMEGA)** at the above listed address by 5:00 pm. on **April 26, 2019**, which is at least 15 days after the publication of this notice.

4-10, 2019 Adv.

# **ATTACHMENT N**

**NOTICE OF EXPLANATION**

**PUBLISHED APRIL 27, 2019**



**PUBLIC NOTICES**

**7002 - Trucks**

Ram Big Horn  
pick-up, 5.7 Hemi, low  
mileage under 13,000,  
loaded with extras. Call  
304-314-8177 for details

**Toyota Tundra,**  
double cab, 8' bed,  
24k miles, tow pack-  
age, very good condi-  
tion. \$14,995 firm. Call  
text:  
304-650-6565

**7012 - Motorcycles**

**2003 Harley Davidson**  
Heritage Softail 100th An-  
niversary edition,  
12,000 miles. 5 speed  
transmission. Mint con-  
dition. Garage kept. Car  
fax available. \$8,000  
with added accessories/  
upgrades.  
304-737-4303

**2003 Harley Davidson**  
Heritage Soft Tail Clas-  
sic, 100th Anniversary,  
mint condition, 12,000  
mi. Many accessories.  
\$8,000. 304-737-4303.

**1979 Harley Davidson**  
Shovelhead, Touring  
bike, 13,000 miles, all  
extras, \$8500 or best  
offer, 740-537-1851

**2004 Harley Davidson**  
Sportster - 883, lots of  
chrome, 16,000 miles  
very good condition,  
garage kept, \$2500.  
304-723-2691

**7012 - Motorcycles**

**2007 Heritage Softail**  
Classic, black, lots of  
chrome, low miles, ex-  
tras, excellent condition  
\$9500. 740-381-2910



**2008 Honda Goldwing,**  
Low miles, Lots of extras,  
\$10,900 or best offer.  
Leave message,  
724-777-6151

**7016 - Boats/Access.**

**1989 Baretta,** 21 feet,  
open bow, 4 cylinder,  
includes trailer, seats 7,  
also has title, \$1800 or  
best offer. 304-479-4118



**NOTICE AND EXPLANATION OF A PROPOSED ACTION IN A 100-YEAR FLOOD-PLAIN**

April 27, 2019  
To: All Interested Agen-  
cies, Groups, and Individ-  
uals:

The **Village of Jewett** has conducted an evaluation as required by Executive Order 11988 in accordance with HUD regulations at 24 CFR 55.20 to determine the potential affect that its activity in the floodplain will have on the environment. The project being considered is the

**Project Name:**  
Village of Jewett Water System Replacement Project  
**Activity Name:**  
Water System Replacement Project

**Type of HUD Assistance:**  
CDBG Residential Public Infrastructure Grant Program

**Location of the Activity:**  
Village of Jewett, Harrison County, Ohio

**Description:**  
The project will involve the replacement of the Village of Jewett's water system to address numerous water line breaks in the aging water system. The project includes the construction of 24,000

linear feet of 6-inch water lines, 3,180 linear feet of 8-inch water lines, 3,000 linear feet of ¾-inch service lines, five 8-inch gate valves, thirty-five 6-inch gate valves, and 20 fire hydrants in the Village of Jewett.

The **Village of Jewett** has determined that approval of the project will have no significant impact on the environment for the following reasons:

1. A flood hazard area development permit has been issued for this project.
2. The waterline will be directionally bored under the stream crossings to minimize disturbance to the floodplain.

Any interested person, agency, or group wishing to comment on the project may submit written comments for consideration to the **Village of Jewett at 110 West Main Street, Jewett, Ohio by 5:00 p.m. on May 4, 2019** which is at least 7 days after the publication of this notice.

Dwight Busby, Mayor  
110 West Main Street  
Jewett, Ohio 43986  
Other agencies involved with this evaluation include:  
Ohio Mid-Eastern Govern-  
ments Association (OME-

GA)  
Harrison County  
Engineers Office  
4-27, 2019 Adv.

**NOTICE OF ELECTION ON TAX LEVY IN EXCESS OF THE TEN MILL LIMITATION**

Notice is hereby given that in pursuance of a Resolution of the Board of Trustees of the Township of Wells, Ohio passed on the 8th day of January, 2019, there will be submitted to a vote of the people at the Special Election to be held at the regular places of voting on Tuesday, the 7th day of May, 2019, the question of levying a tax, in excess of the ten mill limitation, for the benefit of Wells Township for the purpose of Police Protection. Tax being an additional tax of 3 mills at a rate not exceeding 3 mills for each one dollar of valuation, which amounts to \$0.30 for each one hundred dollars of valuation, for continuing period of time.. The polls for the election will open at 6:30 a.m. and remain open until 7:30 p.m. on election day.

By order of the Board of Elections, of Jefferson County, Ohio,  
**MATT PARISE, Chair**  
**DIANE M. GRIBBLE**

Director  
4-27; 5-4, 2019 Adv.

**NOTICE OF ELECTION ON TAX LEVY IN EXCESS OF THE TEN MILL LIMITATION**

Notice is hereby given that in pursuance of a Resolution of the Board of Trustees of the Township of Wells, Ohio passed on the 8th day of January, 2019, there will be submitted to a vote of the people at the Special Election to be held at the regular places of voting on Tuesday, the 7th day of May, 2019, the question of levying a tax, in excess of the ten mill limitation, for the benefit of Wells Township for the purpose of general construction, reconstruction, resurfacing and repair of streets, roads and bridges. Tax being an additional tax of 3 mills at a rate not exceeding 3 mills for each one dollar of valuation, which amounts to \$0.30 for each one hundred dollars of valuation, for continuing period of time.. The polls for the election will open at 6:30 a.m. and remain open until 7:30 p.m. on election day.

By order of the Board of Elections, of Jefferson County, Ohio,  
**MATT PARISE, Chair**

DIANE M. GRIBBLE  
Director  
4-27; 5-4, 2019 Adv

**PUBLIC NOTICE LABELLE VIEW, PLEASANT HEIGHTS & DOWNTOWN AREAS RESIDENTS AND BUSINESSES**

Per Section 3, Shelly Sands is required to employ local residents while paving streets in the above area. Shelly Sands is signatory with Labors Local #80, Operating Engineers Local #18, Laborers Local #1149, and Operating Engineers Local #132. If you are seeking employment and you are a local resident or business please contact the applicable office.

4-27, 2019 A

**PUBLIC NOTICE**

The Sybil B. Berkman Foundation hereby ser-  
notice that the annual  
report is available for  
inspection during reg-  
business hours by any  
tizen who requests  
within 180 days after  
date at 850 Poplar St  
Pittsburgh, Pennsylv  
15220, 412-922-5-  
The principal manag-  
said foundation is  
P. Berkman.

4-27, 2019

**PROFESSIONAL SERVICE**

*With a Personal Touch*



**FEATURE BUSINESS**

**ROOFING**

**World Class Roofing**

**Donna's Detail**

**Rogers Roofing**

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ADNo: 182837 Customer Number: L01353  
Customer Name: VILLAGE OF JEWETT Company:  
Address: P.O. BOX 192 ATTN: LINDA AGER  
City/St/Zip: JEWETT ,OH 43986  
Phone: (740) 946-1471 Solicitor: 24  
Category: 80 Class: 598 Rate: OL-0 Start: 4-27-2019 Stop: 4-27-2019  
Lines: 92 Inches: 8.94 Words: 301

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Credit Card: Expire:  
Order Number:  
Cost: 105.80 Extra Charges: 2.00 Adjustments: .00  
Payments: .00 Discount: .00  
Balance: 107.80  
-----

**NOTICE AND EXPLANATION OF A PROPOSED ACTION IN A 100-YEAR FLOOD-PLAIN**

April 27, 2019  
To: All Interested Agencies, Groups, and Individuals:

The Village of Jewett has conducted an evaluation as required by Executive Order 11988 in accordance with HUD regulations at 24 CFR 55.20 to determine the potential affect that its activity in the floodplain will have on the environment. The project being considered is the

**Project Name:**  
Village of Jewett Water System Replacement Project

**Activity Name:**  
Water System Replacement Project

**Type of HUD Assistance:**  
CDBG Residential Public Infrastructure Grant Program

**Location of the Activity:**  
Village of Jewett, Harrison County, Ohio

**Description:**  
The project will involve the replacement of the Village of Jewett's water system to address numerous water line breaks in the aging water system.

The project includes the construction of 24,000 linear feet of 6-inch water lines, 3,180 linear feet of 8-inch water lines, 3,000 linear feet of ¾-inch service lines, five 8-inch gate valves, thirty-five 6-inch gate valves, and 20 fire hydrants in the Village of Jewett.

The Village of Jewett has determined that approval of the project will have no significant impact on the environment for the following reasons:

1. A flood hazard area development permit has been issued for this project.
2. The waterline will be directionally bored under the stream crossings to minimize disturbance to the floodplain.

Any interested person, agency, or group wishing

to comment on the project  
may submit written com-  
ments for consideration to  
the **Village of Jewett** at  
**110 West Main Street,**  
**Jewett, Ohio** by **5:00**  
**p.m.** on **May 4, 2019**  
which is at least 7 days  
after the publication of this  
notice.

Dwight Busby, Mayor  
110 West Main Street  
Jewett, Ohio 43986

Other agencies involved  
with this evaluation in-  
clude:

Ohio Mid-Eastern Govern-  
ments Association (OME-  
GA)

Harrison County  
Engineers Office

4-27, 2019 Adv.

# **ATTACHMENT O**

**COMBINED NOTICE  
PUBLISHED MAY 6, 2019**

**NOTICE TO PUBLIC OF A  
FINDING OF NO SIGNIFICANT IMPACT ON THE ENVIRONMENT (FONSI)  
COMBINED NOTICE**

May 6, 2019

Village of Jewett  
110 West Main Street  
Jewett, Ohio 43986

To All Interested Persons, Agencies, and Groups:

The Village of Jewett proposes to request that the State of Ohio release Federal funds under Section 104 (g) of Title I of the Housing and Community Development Act of 1974, as amended; Section 288 of Title II of the Cranston Gonzales National Affordable Housing Act (NAHA), as amended; and/or Title IV of the Stewart B. McKinney Homeless Assistance Act, as amended; to be used for the following project:

Village of Jewett Waterline Replacement Project  
State of Ohio CDBG Residential Public Infrastructure Program  
Project to Prevent Waterline Breaks, Provide Potable Water  
Single-Year Project  
Village of Jewett, Harrison County, Ohio  
Project Cost: \$3,650,000

The Village of Jewett has determined that the project will have no significant impact on the environment. Therefore, an Environmental Impact Statement under the National Environmental Policy Act of 1969, as amended is not required.

The Village of Jewett has prepared an Environmental Review Record (ERR) for the project listed above. The ERR documents the environmental review of the project. The ERR is on file and available for the public's examination and copying, upon request, between the hours of 7:00 a.m. and 3:00 p.m., Monday through Friday (except holidays) at the Village Water Plant, 411 East High Street in Jewett, or at the Ohio Mid-Eastern Governments Association, 326 Highland Avenue (lower level) in Cambridge, between the hours of 8:00 a.m. and 5:00 pm, or by calling Mayor Dwight Busby at 740-381-1810 to schedule an appointment.

No further environmental review of the project will be conducted prior to the request for release of Federal funds.

The Village of Jewett plans to undertake the project described above with the Federal funds cited above. Any interested person, agency, or group wishing to comment on the project or disagreeing with this Finding of No Significant Impact decision may submit written comments for consideration to the Village of Jewett at the above listed address by 5:00 p. m. on May 21, 2019, which is at least 15 days after the publication of this combined notice. A notice regarding the responsible entity's intent to request the release of funds is listed immediately below.

**NOTICE OF INTENT TO REQUEST RELEASE OF FUNDS (NOI/RROF)**

To All Interested Persons, Agencies, and Groups:

On or about, but not before, May 22, 2019, the Village of Jewett will submit a request to the State of Ohio for the release of Federal funds under Section 104 (g) of Title I of the Housing and Community Development Act of 1974, as amended; Section 288 of Title II of the Cranston Gonzales National Affordable Housing Act (NAHA), as amended; and/or Title IV of the Stewart B. McKinney Homeless Assistance Act, as amended; to be used for the project listed above.

The Village of Jewett certifies to the State of Ohio that Dwight Busby, in his capacity as Mayor, consents to accept the jurisdiction of Federal courts if an action is brought to enforce responsibilities in relation to the environmental review process and that these responsibilities have been satisfied.

The legal effect of the certification is that upon its approval, the Village of Jewett may use the Federal funds, and the State of Ohio will have satisfied its responsibilities under the National Environmental Policy Act of 1969, as amended.

The State of Ohio will accept an objection to its approval of the release of funds and acceptance of the certification only if it is on one of the following grounds: (a) the certification was not, in fact, executed by the responsible entity's Certifying Officer; (b) the responsible entity has failed to make one of the two findings pursuant to Section 58.40 or to make the written determination required by section 58.35, 58.47, or 58.53 for the project, as applicable; c) the responsible entity has omitted one or more of the steps set forth at subpart E of 24 CFR Part 58 for the preparation, publication, and completion of an Environmental Assessment; d) the responsible entity has omitted one or more of the steps set forth at subparts F and G of 24 CFR Part 58 for the conduct, preparation, publication, and completion of an Environmental Impact Statement; e) the recipient has committed funds or incurred costs not authorized by 24 CFR Part 58 before release of funds and approval of the environmental certification by the State; or f) another federal agency, acting pursuant to 40 CFR Part 1504, has submitted a written finding that the project is unsatisfactory from the standpoint of environmental quality.

Written objections must meet the conditions and procedures set forth in subpart H of 24 CFR Part 58, and be addressed to: State of Ohio Development Services Agency; Office of Community Development; Environmental Officer; P. O. Box 1001; Columbus, Ohio 43216-1001.

Objections to the Release of Funds on bases other than those stated above will not be considered by the State of Ohio. No objections received after June 12, 2019 (which is 15 days after it is anticipated that the State will receive a request for release of funds) will be considered by the State of Ohio.

The address of the certifying officer is:

Dwight Busby, Mayor  
Village of Jewett  
110 West Main Street, Jewett, Ohio 43986

# **ATTACHMENT P**

## **REQUEST FOR RELEASE OF FUNDS AND CERTIFICATION FORM**

**State of Ohio Development Services Agency  
Office of Community Development**

**REQUEST FOR RELEASE OF FUNDS (RROF) AND CERTIFICATION  
FOR FEDERALLY FUNDED STATE PROJECTS**

Pursuant to Section 104 (g) of Title I, Housing and Community Development Act of 1974, as amended; Section 288 of the Cranston Gonzales National Affordable Housing Act (NAHA), as amended; and/or Title IV of the Stewart B. McKinney Homeless Assistance Act, as amended.

**Part 1: General Information**

<p>1. CEO Name, Responsible Entity name, and Mailing Address:</p> <p>Mayor Dwight Busby Village of Jewett 110 West Main Street Jewett, Ohio 43986</p> <p>Phone: (740) 946-1471</p> <p>Fax: (740) 946-4026</p>	<p>2. Administering Agent name and Address:</p> <p>Ohio Mid-Eastern Governments Association 326 Highland Avenue, Suite B Cambridge, Ohio 43725</p> <p>Phone: (740) 439-4471</p> <p>Fax: (740) 439-7783</p>	<p>Mail Form To:</p> <p>Ohio Development Services Agency Office of Community Development Environmental Specialist P. O. Box 1001 Columbus, Ohio 43216-1001</p> <p>Phone: (614) 466-2285</p>
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**Part 2: Listing Of Projects Requested For Release Of Funds**

List the Activity, Project, and Grant below for which you are requesting the release of funds and removal of environmental grant conditions governing the use of the federal assistance.

Grant Agreement No.	Name of Project and Activity <i>(as listed in Grant Agreement's Attachment A)</i>	Activity No.	List the Amount of Federal Funds Budgeted for Each Activity	List the Activity Location, as Designated in the Grant Agreement	Describe the Entire (Aggregated) Project	Level of Environmental Finding:  <b>CE</b> (Categorical Exclusion) <b>EA</b> (Environmental Assessment)
C-W-18-2NS-1	Waterline Replacement	1	\$500,000	Village of Jewett	Replacement of 24,000 lf. of 6" waterline and 3,180 lf. of 8" waterline, 3,000 lf. of ¾" service lines, 5 8" gate valves, 35 6" gate valves & 25 fire hydrants	<b>EA</b>



### Part 3: CEO Environmental Certification

With reference to the Projects identified on the reverse side of this form, I, the undersigned chief executive officer and certifying officer of the responsible entity, CERTIFY THAT: (Note: Items 4 and 5 below require additional action.)

1. The responsible entity has fully carried out its responsibilities for environmental review, decision-making, and action pertaining to the projects listed herein.
2. The responsible entity has complied with the National Environmental Policy Act of 1969, as amended, and the environmental procedures, permit requirements, and statutory obligations of the laws cited in 24 CFR 58.5, 24 CFR 58.6, and applicable State and local laws.
3. After considering the type and degree of environmental effects identified by the environmental reviews completed for the proposed projects described herein, I have found that the proposal **(CHECK ONE)** · DID  DID NOT require the preparation and dissemination of an ENVIRONMENTAL IMPACT STATEMENT.
4. The responsible entity has, prior to submitting this request for the release of funds and certification, published, in the manner prescribed by 24 CFR 58.43, a notice to the public in accordance with 24 CFR 58.70 and as evidenced by the attached copy. **STAPLE COPIES OF NEWSPAPER NOTICES HERE (e.g. NOI/RROF, Combined Notice, Floodplain/Wetland Notices)**
5. The dates for all statutory and regulatory time periods for review, comment, or other action are in compliance with the procedures and requirements of 24 CFR Part 58. The following provides a summary of critical dates:

Categorically Excluded Projects (CE)	Publication Date	Last Date of Local Comment Period	Date Certification Signed and Submitted	Estimated Last Date of State Objection Period	Type of Other Notices And Date Published

Environmental Assessment Projects (EA)	Publication Date	Last Date of Local Comment Period	Date Certification Signed and Submitted	Estimated Last Date of State Objection Period	Type of Other Notices And Date Published
	May 6, 2019	May 21, 2019	May 22, 2019	June 12, 2019	Early Floodplain Notice 4-11-19 Notice of Explanation 4-27-19

6. I am authorized to and do consent to assume the status of Federal official under the National Environmental Policy Act of 1969, as amended, and each provision of law designated in the 24 CFR 58.5 list of NEPA-related authorities insofar as the provisions of these laws apply to the State's responsibilities for environmental review, decision-making, and action that have been assumed by the responsible entity.
8. By so consenting, I have assumed the responsibilities for the conduct of environmental review, decision-making, and action regarding environmental issues, preparation and circulation of a draft, final, and supplemental environmental impact statements, and legal or cooperating agency responsibilities for preparation of such statements on behalf of state or federal agencies, including HUD and the State of Ohio, when these agencies consent to such assumptions.
9. I am authorized to and do accept, on behalf of the responsible entity and personally, the jurisdiction of the federal courts for the enforcement of all these responsibilities, in my capacity as certifying officer of the responsible entity.

Type or Print Name of CEO	Signature	Title	Date
Dwight Busby		Mayor	May 22, 2019

**WARNING:** Section 1001 of Title 18 of the United States Code and the Criminal Procedure shall apply to this certification. Title 18 provides, among other things, that whoever knowingly makes or uses a document or writing containing any false, fictitious, or fraudulent statement or entry, in any manner within the jurisdiction of any department or agency of the United States, shall be fined not more than \$10,000 or imprisoned not more than 5 years or both.

# ATTACHMENT Q

RELEASE OF FUNDS LETTER FROM ODSA