

Environmental Review Record
Allen County Board of Commissioners
Village of Lafayette, Ohio
Water Line Extension Project (East Regional Water Line)
December 2020



Submitted by:
Great Lakes Community Action Partnership
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ENVIRONMENTAL ASSESSMENT WORKSHEET

Environmental Assessment Worksheet

Grantee	Allen County Commissioners
Grant Number	B-W-20-1AB-1
Activity Name	Village of Lafayette Water Line Extension (Allen Water District East Regional Water Line Project)
Activity Location	Village of Lafayette and Allen County, Ohio
<p>Activity Description:</p> <p>The Allen County Board of Commissioners has requested CDBG Residential Public Infrastructure funding for the installation of water lines within the Village of Harrod, and Village of Lafayette. The overall project involves extending an Allen Water District waterline from Westminster to provide water and fire service to the Villages of Lafayette and Harrod as well as Allen East Local Schools. The project would begin in Westminster at the existing Allen Water District 12-inch water line near Rudolph Foods and extend the 12-inch water line east on Katrina Road, south on Cardinal Drive, east on Faulkner Road, north on Johnston Road and east on Harrod Road to where it would provide service to the Village of Harrod. The 12-inch water line would then extend northwest along Napoleon Road to where it would provide service to the Village of Lafayette. It proposes to include a water storage tank that would serve the Villages of Lafayette and Harrod and possibly Westminster in the future. The proposed location of this tank is on the Allen East Local School property near Napoleon Road. The proposed project would operate on the existing City of Lima high-pressure zone (1,120-foot hydraulic grade line) and would not require a booster pump station. The tank would be served by the existing St. Johns Road booster pump station which has adequate capacity (over 3 million gallons per day) to serve Westminster, Lafayette and Harrod.</p> <p>Within the Village of Lafayette, the distribution system will consist of approximately 14,211 feet of 8-inch PVC waterline; 3,624 feet of 12-inch PVC waterline; hydrants, valves, etc. The Village of Lafayette is currently served by individual water wells. Well testing in the area confirms that all wells tested have elevated total dissolved solids (TDS) and several above the 500/gm/L secondary maximum contaminant level. One well near the wastewater treatment plant site tested positive for total coliform bacteria. One well tested exceeds the maximum contaminant level (MCL) for arsenic. According to the Ohio EPA, long-term arsenic exposure at low levels through drinking water can increase cancer risks and other negative health effects.</p>	

Determination:

- Finding of No Significant Impact (FONSI), whereby the Responsible Entity may proceed to Dissemination and publication of the FONSI, per regulations found at 24 CFR Section 58.43(a).
- Finding of Significant Impact, whereby the Responsible Entity must proceed to develop an Environmental Impact Statement (EIS) in compliance with 24 CFR Part 58, Subparts F or G.

Preparer Name: **Ron Winland**

Signature



Date: 12/27/2020

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:
<input checked="" type="checkbox"/> Other Relevant Correspondence and Notifications (if applicable) List: Ohio State Historic Preservation Office (SHPO) U.S. Fish & Wildlife Service (USFWS) Ohio Department of Natural Resources (ODNR) Natural Resource Conservation Service (NRCS) Army Corps of Engineers (CORPs)
<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: 12/29/2020
<input checked="" type="checkbox"/> Request for Release of Funds (RROF) Date: 1/19/2021
<input checked="" type="checkbox"/> Release of Funds (ROF) Date: 2/04/2021
<input type="checkbox"/> Additional Documentation Describe:



Statutory Checklist Instructions:

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

Statutory Checklist

Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
<p style="text-align: center;">Historic Preservation</p> <p>Resources: State Historic Preservation Office HUD Historic Preservation</p>	Yes	<p>An on-line search of the Ohio State Historic Preservation Office (SHPO) records indicates there are multiple historic properties and inventoried structures within a one mile radius of the project area. The proposed site is not located within an historic district and has been designed to be compatible with immediate surrounding structures.</p> <p>In accordance with Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR 800) the Ohio State Historic Preservation Office (SHPO) was consulted with on the proposed project. Pursuant to Section 106 of the National Historic Preservation Act of 1966, as amended, and associated regulations at 36 CFR Part 800, SHPO provided comments in correspondence dated March 7, 2019. The Ohio SHPO reported that there are numerous inventoried buildings and archaeological sites near the project area; however, given that all work will be conducted within existing road right-of-way the project should have no effect to historic properties. No further coordination with this office is necessary, unless there is a change in the project or archaeological deposits or are discovered, in which SHPO should be contacted as per 36 CFR 800.13.</p> <p>The HUD website (https://egis.hud.gov/tdat/) was consulted for listing of Native American Tribes with interest in Allen County, Ohio. Correspondence, including the 106 Project Summary form, was sent to the following Tribes seeking comments regarding the proposed project: Delaware Nation, Oklahoma, Eastern Shawnee Tribe of Oklahoma, Miami Tribe of Oklahoma, Seneca-Cayuga Nation, Wyandotte Nation, Little Traverse Bay Bands of Odawa Indians, and the Shawnee Tribe.</p>

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		<p>The Miami Tribe of Oklahoma responded with comments and offered no objection to the above-mentioned project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this site is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery.</p> <p>The Little Traverse Bay Bands of Odawa Indians Tribal Historic Preservation Office responded to our inquiry and offered a finding of “No known historic, traditional religious, and cultural significance properties that will be affected” with two conditions. First, should the SHPO finding differ, the Tribe reserves the right to reconsider this opinion. Second, in the event that human remains or archaeological materials are exposed as a result of project activities work must halt and the Tribe must be included in any consultation regarding treatment and disposition of the find prior to removal.</p> <p>See Exhibit 1 for Ohio State Historic Preservation Office Mapping, historic properties listings, OHPO and Tribal Correspondence.</p> <p>Mitigation: Any excavation by the contractor that uncovers human remains or archaeological deposits shall be immediately reported to the Allen County Commissioners, Ohio Development Services Agency, USDA-Rural Development, and Ohio SHPO, and project funding sources including the Ohio EPA and ODSA. Construction shall be immediately halted pending the notification process and further directions provided after consultation with SHPO and all Indian Tribes listed for Allen County, Ohio.</p>
<p align="center">Floodplain Management</p> <p>Resources: Floodplain Maps Floodplain Administrators HUD Floodplain Management</p>	<p align="center">Yes</p>	<p>In order to determine potential floodplain impacts, the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Maps (FIRM) were reviewed. The project areas are situated in FEMA map panel numbers 39003C0250E and 39003C0375E. The review of the FIRM maps revealed that a small section of the project will occur within a section of the 100 Year floodplain of the Little Hog Creek, in the northeastern portion of the Village of Lafayette. The water line alignment in</p>

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		<p>Lafayette will cross the 100-year floodplain. Total disturbed area within the floodplain for this alignment will be 0.15 acres. No fill will be placed inside the 100-year floodplain and all surface will be restored to equal or better condition after construction. Near the Village of Westminster, water alignment is in close proximity to the 100-year floodplain (Auglaize River) but will be on the north side of the roadway and not impact the 100-year floodplain in that area.</p> <p>A portion of the project construction zone is located within a 100-year floodplain; therefore, Executive Order 11988 and NFIP conditions are applicable. The eight-step decision making process was followed, including public notices and an examination of practicable alternatives. A review of the proposed activities was completed, and the determination was made that the project shall have minimal impact on the community's flood hazard area. Additionally, prior to construction, the project plans will meet any applicable, additional local or federal floodplain requirements set forth by the community's Floodplain Administrator.</p> <p>Exhibit 2 provides the FEMA Floodplain Mapping and a description of the Eight-step decision making process followed for the project.</p> <p>Mitigation:</p> <ul style="list-style-type: none"> • Construction within a floodplain areas will require compliance with all local floodplain management regulations and permits. See: (https://www.lacrpc.com/media/109551/Floodplain%20Regs--Allen%20County.pdf) • Prior to construction in a Floodplain, a Floodplain Permit must be submitted and approved by the Lima-Allen County Regional Planning Commission Floodplain Administrator. • Original land contours must be restored after completion of construction activities. • Directional bore construction techniques should be implemented on all stream crossings. • Impacted floodplain areas shall be seeded with native, non-invasive species following construction work.

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<p align="center">Wetland Protection</p> <p>Resources: NRCS Web Soil Survey National Wetlands Inventory Ohio EPA Division of Surface Water US Army Corps of Engineers Regulatory (Permits) HUD Wetlands Protection</p>	<p align="center">Yes</p>	<p>A review of the U.S. Fish and Wildlife National Wetland Inventory (NWI) Maps indicate the potential existence of designated wetlands in the project areas. The Natural Resources Conservation Service soil mapping for the project area indicates the hydric soils also exist within the proposed project area of the pipeline. Hydric soils may indicate the presence of wetlands. However, the majority of the project is located within roadways and upland road right of ways that do not contain wetlands. The proposed water storage tank site is an upland area and does not have hydric soils, wetlands or stream crossings.</p> <p>Construction of the water lines will occur within the right of way of streets and roads; and in some instances within the roadway. The storage tank will be located on property owned by the East Allen Local School District. The site does not include mapped hydric soils and the NWI maps do not indicate the presence of wetlands. Much of the road right of ways have likely been previously disturbed. Horizontal Directional Drilling is proposed for all stream crossings to avoid impacts on streams and nearby riparian vegetation.</p> <p>The U.S. Army Corps of Engineers (CORPS) Buffalo District Regulatory Office was consulted regarding the proposed project (Corps Application No. LRB-2019-00232). The Corps noted that the correspondence submitted, including information provided from the Preliminary Engineering Report indicates that the proposed work will be performed landward of the ordinary highwater mark of the tributaries located within the project area, and will not involve a discharge of dredged or fill material into any wetlands. Therefore, a Section 404 Clean Water Act (CWA) permit is not required for the project.</p> <p>However, should the proposed project entail a discharge to fill material into Waters of the United States (WOUS), the Buffalo District Office must be contacted regarding Department of Army permit requirements. In addition, the Corps noted that although a permit is not required, we request that proper measures be taken to prevent unintentional discharges from entering the waterway.</p> <p>See Exhibit 3 for Wetland Protection Correspondence and Mapping.</p>

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		<p>Mitigation:</p> <ul style="list-style-type: none"> • No in-Water work is to occur for the proposed project. • Proper measures shall be taken to prevent unintentional discharges from entering waterways. • Should the proposed project be modified to entail a discharge of dredged or fill material into a Waters of the United States, the owner must contract the U.S. Army Corps of Engineers Buffalo Regulatory District Office regarding Department of Army permit requirements • All stream channel pipeline crossings within the project area shall be horizontally directional bored in order to avoid impacts.
Coastal Zone Management	No	<p>Allen County and the project area are not located within a coastal zone. There will be no impact to this resource and the project is in compliance.</p> <p>See EXHIBIT 4 for Ohio Coastal Management Area Mapping.</p>
<p>Resources: Ohio Office of Coastal Management Ohio Coastal Atlas Map Viewer HUD Coastal Zone Management</p>		
Sole Source Aquifers	No	<p>The Allen County Sole Source Aquifer (SSA) exists in the western portion of Allen County. The project site is located in the eastern portion of Allen County, approximately 10 miles east of the Allen County SSA and involves the construction of a water line and a storage tank. As such, the project will not have an adverse impact or effect on the Allen County SSA. The project will provide local residents, business and school with a safe and sustainable source of drinking water.</p> <p>See EXHIBIT 5 for Sole Source Aquifer Mapping.</p>
<p>Resources: Ohio EPA Sole Source Aquifers in Ohio HUD Sole Source Aquifers</p>		
Endangered Species	Yes	<p>A U.S. Fish and Wildlife Service (USFSW) IPAC report was completed for the proposed project area and the U.S. Fish and Wildlife Service (USFWS) was contacted in relation to the findings of the IPAC. The IPAC report summarizes that the project lies within the range of the Indiana Bat (<i>Myotis sodalis</i>) and the Northern</p>
<p>Resources: US Fish & Wildlife Service Section 7 information</p>		

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Endangered Species in Ohio Ohio Natural Heritage Database HUD Endangered Species		<p>Long-eared Bat (<i>Myotis septentrionalis</i>), a threatened species. According to the IPAC report, there are no critical habitats within the project area.</p> <p>Comments were received from the USFSW regarding federally listed, proposed and candidate species. The USFSW notes that: Due to the project type, size, location, and the proposed implementation of seasonal tree cutting (clearing of trees ≥ 3 inches diameter at breast height between October 1 and March 31) to avoid impacts to the federally listed endangered Indiana bat (<i>Myotis sodalis</i>) and threatened northern long-eared bat (<i>Myotis septentrionalis</i>), we do not anticipate adverse effects to any 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 U.S. Fish and Wildlife Service (Service) should be initiated to assess any potential impacts.</p> <p>A Data Request was submitted to the Ohio Department of Natural Resources (ODNR) for information regarding threatened and endangered species. The ODNR Division of Wildlife (DOW) response notes that the entire state of Ohio is within the range of the Indiana bat (<i>Myotis sodalis</i>), a state endangered and federally endangered species, the northern long-eared bat (<i>Myotis septentrionalis</i>), a state endangered and federally threatened species, the little brown bat (<i>Myotis lucifugus</i>), a state endangered species, and the tricolored bat (<i>Perimyotis subflavus</i>), a state endangered species. During the spring and summer (April 1 through September 30), these species of bats predominately roost in trees behind loose, exfoliating bark, in crevices and cavities, or in the leaves. However, these species are also dependent on the forest structure surrounding roost trees. If trees are present within the project area, and trees must be cut, the DOW recommends cutting only occur from October 1 through March 31, conserving trees with loose, shaggy bark and/or crevices, holes, or cavities, as well as trees with DBH ≥ 20 if possible. If trees are present within the project area, and trees must be cut during the summer months, the DOW recommends a mist net survey or acoustic survey be conducted from June 1 through August 15, prior to any cutting. Mist net and acoustic surveys should be conducted in accordance with the most recent version of the "OHIO DIVISION OF WILDLIFE GUIDANCE FOR BAT SURVEYS AND TREE CLEARING". If state listed bats are documented, DOW recommends cutting only occur from October 1</p>

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		<p>through March 31, however, limited summer tree cutting may be acceptable after consultation with DOW.</p> <p>The DOW also recommends that a desktop habitat assessment, followed by a field assessment if needed, is conducted to determine if there are potential hibernaculum (a) present within the project area. Information about how to conduct habitat assessments can be found in the current USFWS “<i>Range-wide Indiana Bat Survey Guidelines</i>.” If a habitat assessment finds that potential hibernacula are present within 0.25 miles of the project area, the DOW should be contacted for project recommendations. If a potential or known hibernaculum is found, the DOW recommends a 0.25-mile tree cutting and subsurface disturbance buffer around the hibernaculum entrance, however, limited summer or winter tree cutting may be acceptable after consultation with DOW. If no tree cutting or subsurface impacts to a hibernaculum are proposed, this project is not likely to impact these species.</p> <p>The ODNR-DOW also reports that the project is within the range of the clubshell (<i>Pleurobema clava</i>), a state endangered and federally endangered mussel, the northern riffleshell (<i>Epioblasma torulosa rangiana</i>), a state endangered and federally endangered mussel, and the pondhorn (<i>Uniomerus tetralasmus</i>), a state threatened mussel. Due to the location, and that there is no in-water work proposed in a perennial stream of sufficient size, this project is not likely to impact these species.</p> <p>The project is within the range of the greater redhorse (<i>Moxostoma valenciennesi</i>), a state threatened fish. The DOW understands that impacts to perennial streams will be avoided through the implementation of horizontal directional drill, therefore, this project is not likely to impact this or other aquatic species.</p> <p>The project is within the range of the upland sandpiper (<i>Bartramia longicauda</i>), 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.</p>

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		<p>The ONDR reports that the Natural Heritage Database has the following records at or within a one-mile radius of the project area: the Creek heelsplitter (<i>Lasmigona compressa</i>), state species of concern; Purple lilliput (<i>Toxolasmus lividus</i>), state endangered; Pirate perch (<i>Aphredonderus sayanus</i>), state endangered; Least darter (<i>Etheostoma microperca</i>), state species of concern.</p> <p>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.</p> <p><i>The USFSW IPaC species report does not indicate the presence of critical habitat in the project area. The project area is predominately maintained road and street right of way that does include scattered areas with trees but no dense forest areas. A desktop habitat assessment was completed for the project area, and did not indicate the presence of potential hibernacula within a 0.25 miles of the project area. ONDR Interactive Mine and Karst Mapping for the project area did not indicate any mines or karst areas in eastern Allen County. In addition, the project will include implementation of seasonal tree cutting (clearing of trees ≥3 inches diameter at breast height between October 1 and March 31) to avoid impacts to the federally endangered Indiana bat, threatened northern long-eared bat; and the state endangered little brown bat and tri-colored bat. With implementation of this mitigation, we anticipate no effects to these bat species.</i></p> <p>See Exhibit 6 for threatened and endangered species source information and correspondence.</p> <p>Mitigation:</p> <ul style="list-style-type: none"> • Avoidance of tree removal or the implementation of seasonal tree cutting (clearing of trees ≥ 3 inches diameter at breast height (dbh) between October 1 and March 31) to avoid impacts to the federally listed endangered Indiana bat and threatened northern long-eared bat. • If trees are present within the project area, and trees must be cut during the summer months, the DOW recommends a mist net survey or acoustic survey be conducted from June 1 through August 15, prior to any cutting. Mist net and

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		<p>acoustic surveys should be conducted in accordance with the most recent version of the "OHIO DIVISION OF WILDLIFE GUIDANCE FOR BAT SURVEYS AND TREE CLEARING". If state listed bats are documented, DOW recommends cutting only occur from October 1 through March 31, however, limited summer tree cutting may be acceptable after consultation with DOW.</p> <ul style="list-style-type: none"> No in-water work is to occur as part of this project in order to avoid impacts to freshwater mussels, fish and other state and federal listed species.
<p align="center">Wild and Scenic Rivers</p> <p>Resources: ODNR Scenic Rivers HUD Wild and Scenic Rivers</p>	<p align="center">No</p>	<p>According to a review of the Ohio Wild and Scenic River Map, the project is not located near, nor will it impact a listed wild and scenic river.</p> <p>No mitigation is required.</p> <p>See Exhibit 7 for Wild and Scenic Rivers Map.</p>
<p align="center">Air Quality</p> <p>Resources: Ohio EPA Asbestos Program Ohio EPA Notification of Demolition and Renovation HUD Air Quality</p>	<p align="center">Yes</p>	<p>The U.S. Environmental Protection Agency (USEPA) has set National Ambient Air Quality Standards (NAAQS) for six principal pollutants, called criteria air pollutants. According to the Ohio EPA Division of Air Pollution Control website (https://epa.ohio.gov/dapc/general/naaqs), the entire state of Ohio is in attainment for particulate matter, nitrogen dioxide, lead and carbon monoxide; with only portions of the state designated nonattainment for ozone and sulfur dioxide. According to the OEPA Division of Air Pollution Control and the USEPA (https://www.epa.gov/green-book) the existing air quality in Allen County currently meets all NAAQS for the criteria air pollutants, with the exception of ozone.</p> <p>Ozone is not directly emitted to the atmosphere from sources. Ozone is a pollutant that is created photochemically in the lower atmosphere from the reaction of volatile organic compounds (VOCs) and nitrogen oxides in the presence of sunlight. The proposed project will not result in an increase of this pollutant, or otherwise affect Allen County's compliance designation for Ozone, or any other air quality standards.</p> <p>No permanent air emissions will be produced in the project area as a result of the proposed project. Short-term, minimal air quality impacts may occur during construction related to mobile equipment, vehicles, and dust created during trenching, excavation, and boring and grading activities. The air pollution</p>

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		<p>contributions by construction equipment will be similar to that of vehicles and trucks that regularly travel through the project area. Contractors will ensure fugitive dust is minimized during construction by applying water or environmentally benign dust suppressants, and use of best management practices and required. For these reasons, the project will not have significant short-term or long-term air quality impacts.</p> <p>Mitigation:</p> <ul style="list-style-type: none"> • All construction vehicles should be equipped with proper emissions control equipment. • Conduct periodic maintenance of equipment and machinery for proper tuning to minimize exhaust emissions and more. • Utilize best management practices and reasonably available dust control measures, as necessary, during construction to minimize dust generation. • No open-burning of construction material or other wastes.
<p align="center">Farmland Protection</p> <p>Resources: NRCS Farmland Protection Policy Act HUD Farmlands Protection</p>	<p align="center">No</p>	<p>There will be no impacts to farmland as all project elements are within the road right of way and urban areas that have been previously disturbed.</p> <p>The USDA Natural Resources Conservation Service (NRCS) was contacted regarding the proposed project. The NRCS advises no adverse impacts to prime, unique statewide or local important farmland, and that the project is not subject to the Farmland Protection Policy Act. That, work is taking place in right of way, underground and for water storage.</p> <p>See EXHIBIT 8 for Farmland Protection Correspondence.</p>

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<p align="center">Noise Abatement and Control</p> <p>Resources: HUD Noise Abatement and Control HUD Noise Guidebook HUD Day/Night Noise Level Electronic Assessment Tool HUD Sound Transmission Classification Assessment Tool ODOT Traffic Count Data Ohio Airport Information Airport Master Records and Reports PUCO/ORDC Railroad Information System Federal Railroad Administration Query by Location tool</p>	<p align="center">Yes</p>	<p>Noise levels in the planning area are typical for residential land use and estimated at 40-45 dba. Noise levels along state routes can reach 90 dBA due to increase trucking traffic. Noise associated with the project will be limited to that generated during construction. The noise associated with construction activities will be short in duration and only occur during daylight hours. Backhoes, front-end loaders, horizontal boring units and power tools are typical equipment that may be used during installation.</p> <p>Construction noise will be locally audible, but only slightly higher with respect to normal traffic and gas powered equipment used in the project area. Due to the daytime construction period and the short duration of elevated noise levels associated with the proposed construction, impacts from noise are expected to be minor and temporary. Upon completion of the project, no long-term noise impacts will occur as a result of the project.</p> <p>Mitigation:</p> <ul style="list-style-type: none"> • In order to control unnecessary noise and minimize noise to area residents, project construction should be limited to normal daylight working hours. • Construction equipment will be provided with intake silencers and mufflers, as required by safety standards, and maintained in good working order. • Where applicable, local noise ordinances requirements shall be followed as required.
<p align="center">Airport Clear Zones and Accident Potential Zones</p> <p>Resources: Ohio Airport Information HUD Airport Hazards Airport Master Records and Reports</p>	<p align="center">No</p>	<p>Attached is a map showing the location of the nearest airports to the project area. According to the map, the project is not located within 15,000 feet of a military airfield or within 2,500 feet of a civilian airfield. No mitigation is required.</p> <p>See Exhibit 9 for Airport Map.</p>
<p align="center">Explosive and Flammable Operations</p> <p>Resources: HUD Explosive and Flammable Facilities US EPA NEPAassist US EPA Envirofacts HUD Choosing an Environmentally Safe Site</p>	<p align="center">No</p>	<p>The proposed project does not involve the development, construction, rehabilitation, modernization or conversion of residential housing that will increase residential densities, or conversion (as defined by 24 CFR, Part 51, Subpart C).</p> <p>No mitigation is required.</p>

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Acceptable Separation Distance Calculator Acceptable Separation Distance Guidebook		
<p align="center">Site Contamination</p> <p>Resources: HUD Site Contamination US EPA NEPAassist US EPA Envirofacts Ohio Tank Tracking & Environmental Regulations HUD Choosing an Environmentally Safe Site</p>	<p align="center">No</p>	<p>A review of the Ohio Department of Commerce Bureau of Underground Storage Tanks on-line records search (http://www.com.ohio.gov/fire/) identified 230 underground storage tanks (diesel, gasoline, kerosene and aviation fuel) in Allen County. However, no underground storage tanks were identified for the proposed project area, or adjacent properties.</p> <p>The USEPA Resource Conservation and Recovery Act Information (RCRAInfo) database provides information on hazardous waste handlers. In general, all generators, transporters, treaters, storers and disposers of hazardous waste are required to provide information about their activities to state environmental agencies. These agencies, in turn, pass on the information to regional and national EPA offices. This regulation is governed by the Resource Conservation and Recovery Act (RCRA), as amended by the Hazardous and Solid Waste Amendments of 1984.</p> <p>According to USEPA NEPAassist and RCRAInfo websites there are three (3) RCRA sites identified within a 0.5 mile search radius of the project area located in eastern Allen County, Ohio. These facilities include C & H Transportation located along Napoleon Road, a waste transporter; Terra International Harrod Branch, a conditionally exempt small quantity generator; and Rudolf Food Company located along Bellefontaine Road in Westminister, a conditionally exempt small quantity generator. A review of the NEPAassist website does not show any Brownfields, Toxic Substances Control Act (TSCA), or Superfund sites within the project area and 0.5 mile radius. See Exhibit 3.13 for NEPAassist report and mapping.</p> <p>It is not anticipated that the proposed project will have hazardous materials, substances or wastes that may be released at, generated by or required for the construction of the proposed project, or that will have any adverse effect on the</p>

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Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5	Compliance Required?	Explanation and List of Compliance Documentation
		<p>environment or real estate transactions. The RCRA facilities identified within the 0.50 mile radius of the proposed project will not be impacted by the water line or storage tank construction. It is also not anticipated that the RCRA facilities will have an impact on the proposed project. A review of the USEPA Enforcement and Compliance History On-line site reports no violations for any of these RCRA sites during the past three years (https://www3.epa.gov/enviro/index.html).</p> <p>The HUD Site Contamination Guidance is attached and was reviewed. This project does not involve any residential construction and does not conflict with these regulations.</p> <p>See EXHIBIT 10 for NEPAAssist report, RCRAinfo review and BUSTR listings.</p> <p>Although no mitigation is required for any toxic, hazardous, or radioactive substance, the Grantee will still be asked to follow the Occupational Health and Safety Administration (OSHA) guidelines during construction. Contractors shall be notified regarding the presence of utilities near the project areas during the pre-construction meeting. Emergency numbers for the local power company, gas company, and other utilities shall be included in the Contractor's site health and safety plan.</p>
<p align="center">Environmental Justice</p> <p>Resources: HUD Environmental Justice US EPA Environmental Justice US EPA EJSCREEN</p>	<p align="center">No</p>	<p>The USEPA defines environmental justice as follows: "Fair treatment means no group of people, including racial, ethnic or socioeconomic groups should bear a disproportionate share of the negative environmental consequences resulting from industrial, municipal or commercial operations or the execution of federal, state, local and tribal programs and policies".</p> <p>The proposed project area is located in the Village of Lafayette, Allen County, Ohio. According to the U.S. Census Bureau, American Community Survey 2015-2019, the Village of Lafayette had a population of 427, with a median age of 32.5 years old. Approximately 13.6 percent of the Village population was 65 years or older and 2.6 percent was 5 years old or younger. The median household income for the period was \$55,000, with a poverty rate of 4.8 percent. The population by race for the Village was listed at White alone, 100 percent.</p>

Statutory Checklist

<p align="center">Statutes, Executive Orders, and Regulations listed at 24 CFR §58.5</p>	<p align="center">Compliance Required?</p>	<p align="center">Explanation and List of Compliance Documentation</p>
		<p>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 provide a beneficial impact to the area by providing a safe and sustainable water supply for consumption and fire protection. Temporary adverse impacts will be associated with construction activities including noise, dust, and erosion, disturbance to local roads, yards, and minor traffic disruptions. These impacts will be short-term in nature.</p> <p>The propose project will not have long-term adverse environmental consequences. The water lines will be installed below ground and a new pump station is not required. The 200,000 gallon water storage tank will be visible; however the proposed location is on property at the East Allen Schools, a site that is already committed to public infrastructure</p> <p>The proposed project will not generate hazardous wastes and has been developed to minimize environmental impacts. There were no significant adverse environmental socio-economic impacts identified as part of this environmental review and therefore no mitigation is required. Temporary and minor disturbances to noise, traffic and dust are anticipated effects of the project. Overall, the project is expected to maintain and improve the quality of life for residents by providing a higher quality drinking water, and adequate water supply and hydrants for fire protection.</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	No Impact Anticipated	The proposed project is located in Village of Lafayette and Allen County, Ohio. The project will be compatible with current land use in that the project area which is primarily committed to residential, commercial and agricultural uses. The project will result in no change of land use as the placement of the water lines will be underground and within existing road or street right of ways.
Soil Suitability / Slope / Erosion / Drainage / Storm Water Runoff	Requires Mitigation	<p>Allen County is part of the glaciated till plain section of the Central Lowland physiographic province of central Ohio. Allen County lies within the Central Ohio Clayey Till Plain. The Central Ohio Clayey Till Plain is described as a surface of clayey till with well-defined moraines with intervening flat-lying ground moraine and intermorainal lake basins.</p> <p>Soils in Allen County are dominated by Blount silt loams, Glynwood silt and clay loams, and Pewamo silty clay loams. Within the project area, these three soil types make up approximately 51.4 percent, 23.1 percent and 16.5 percent, respectively. Construction will occur in road and street right of ways that have been for the most part, previously disturbed during road construction and installation of other utilities.</p> <p>Erosion and sediment controls will be provided to minimize runoff to drainage ditches and local surface waters.</p> <p>See Exhibit 8 for soils mapping and report.</p>

Environmental Assessment Checklist

Land Development

Impact Category	Impact Code	Explanation and List of Source Documentation
		<p>Mitigation:</p> <p>Best management practices for erosion, drainage and storm water runoff will be required during construction. Erosion should be minimized to the maximum extent possible, by installing silt fencing or other erosion control techniques as needed.</p> <p>The project will be required to comply with the Ohio EPA regulations regarding storm water discharges associated with construction activity under the National Pollutant Discharge Elimination System (NPDES) program. A) The owner/contractor should apply for, obtain and pay for the NPDES Construction storm water permit; B) The Owner should retain copies of the permit issued by Ohio EPA; C) A Storm Water Pollution Prevention Plan (SWP3) must be prepared for the construction of the proposed project and associated construction activities. The owner/contractor 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 Ohio EPA general permit shall be maintained at the construction site at all times E) Provisions of the SWP3 should be incorporated into the plans and specifications for the proposed project construction.</p>
<p>Hazards and Nuisances Including Site Safety and Noise</p>	<p align="center">No Impact Anticipated</p>	<p>No adverse impacts involving hazards or nuisances, including site safety are anticipated. Although no mitigation is required for any toxic, hazardous or radioactive substance, the Grantee will still be asked to follow Occupational Health and Safety Administration (OHS) guidelines during construction activities to ensure worker and public safety. This will include personal protection equipment to be worn by all contractors; and work zone signs and barriers to notify and reduce public access.</p> <p>Contractors shall be notified regarding the presence of utilities near the project areas during the pre-construction meeting. Emergency numbers for the local power company, other utilities and emergency agencies shall be included in the Contractor's site health and safety plan.</p> <p>Noise will be controlled by using properly operating equipment and by utilization of construction equipment and vehicles during daylight hours only.</p>
<p>Energy Consumption</p>	<p align="center">No Impact Anticipated</p>	<p>The project will require consumption of energy for power tools and mobile power equipment used during construction, however, this activity will not significantly increase the energy demand in the area, as much of the equipment will be mobile or portable.</p> <p>It is not anticipated that adverse energy impacts will be associated with the project following construction.</p>

Environmental Assessment Checklist

Socioeconomic		
Impact Category	Impact Code	Explanation and List of Source Documentation
Employment and Income Patterns	No Impact Anticipated	Due to the nature of the project consisting of the installation of water mains and lines and a water storage tank, it is not anticipated that employment or income patterns will experience any changes or adverse impacts.
Demographic Character Changes, Displacement	No Impact Anticipated	The proposed project involves construction primarily within public road right of ways in the Village of Lafayette, township areas and Allen County. The residents and business will end up with a more reliable and better quality of drinking water upon completion of the project. As such, the project will not have impacts to demographics or result in any displacement.

Community Facilities and Services		
Impact Category	Impact Code	Explanation and List of Source Documentation
Educational and Cultural Facilities	No Impact Anticipated	No impacts to education or cultural facilities will occur as a result of the project. Schools and cultural facilities within the project area will have access to public water as a result of the project.
Commercial Facilities	No Impact Anticipated	No impact is anticipated to commercial facilities as result of this project. Commercial facilities in the project area will have access to the water supplied by this project.
Health Care and Social Services	No Impact Anticipated	The project is not expected to impact health care and social services. All health care providers and social services organizations in the project area will have access to water provided by this project.
Solid Waste Disposal / Recycling	No Impact Anticipated	The proposed project will not have adverse impacts related to solid waste disposal or recycling programs. Construction related debris will be required to be disposed of in accordance with state and local solid waste or construction and demolition debris disposal requirements.
Waste Water / Sanitary Sewers	No Impact Anticipated	The project will not have an adverse impact on wastewater or sanitary sewers in the area. All existing utility lines will be noted on construction drawings and minimal separation distances will be observed for installation of the water lines.

Environmental Assessment Checklist

Community Facilities and Services		
Impact Category	Impact Code	Explanation and List of Source Documentation
Water Supply	Potentially Beneficial	<p>Residents in the project area utilize private wells for their water supply. Ground water aquifers in the Lafayette vicinity have high sulfur and iron concentrations that make the water esthetically displeasing to residents of the area who use wells as a source of supply. These sulfur and iron concentrations in well water lead to a shorter life for plumbing fixtures and are burdensome to remove with well water treatment systems. Some wells also have elevated TDS and coliform levels. Following completion of the proposed projects, residents and business operations will have a safe and reliable source of drinking water.</p> <p>No adverse impacts to water supply in the project area are anticipated as a result of the proposed project.</p>
Public Safety – Police, Fire and Emergency Medical	Potentially Beneficial	<p>The project will not adversely impact public safety, police, fire and emergency medical services. The project will include a considerable number of new fire hydrants and provide adequate water supply for fire-fighting in the project areas which is potentially beneficial.</p>
Parks, Open Space and Recreation	No Impact Anticipated	<p>No adverse impacts to public, open space or recreation areas are anticipated. The project area is predominately road and street right of way.</p>
Transportation and Accessibility	Requires Mitigation	<p>The proposed project will have no long-term adverse impacts on transportation or accessibility. However, short term traffic delays and lane closures may occur near construction areas.</p> <p>Mitigation:</p> <ul style="list-style-type: none"> • All ODOT and OSHA traffic control regulations must be implemented during construction. • The owner is responsible for obtaining all ODOT, Allen County, Auglaize Township, Jackson Township and Village right of way permits. • If temporary street/road closures are required, detours must be properly identified and emergency responders notified. • Specifications for construction entrance, per the Rainwater and Land Development Manual (Rev 2014), and local requirements should be implemented as needed.

Environmental Assessment Checklist

Community Facilities and Services		
Impact Category	Impact Code	Explanation and List of Source Documentation
		<ul style="list-style-type: none"> • Paved areas that have accumulated sediment from construction should be cleaned daily, or as needed. • The contractor shall develop a traffic control plan prior to construction to ensure the safety of the public and contractors working on the project. • At least one lane of traffic must be maintained along the travel route to the construction site. • Access must be maintained for emergency vehicles at all times.

Natural Features		
Impact Category	Impact Code	Explanation and List of Source Documentation
Unique Natural Features, Water Resources	No Impact Anticipated	There are no known unique natural features or water resources that will be adversely impacted by the proposed project.
Vegetation and Wildlife	No Impact Anticipated	The proposed project is not anticipated to have impacts on any endangered, threatened or candidate species. The project site areas have been previously impacted by roadways, utilities, and residential construction. There is no in-water work proposed as part of the project. The use of native vegetation species will be required for all areas impacted and revegetated.
Other Factors	No Impact Anticipated	The project is not anticipated to produce any other adverse impacts. There are no direct or indirect cumulative impacts associated with the project.

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 Ohio Rural Community Assistance Program (RCAP) prepared the Environmental Review Record (ERR) including the environmental assessment, statutory checklist, public notice and Request of Release of Funds (RROF), on behalf of the Allen County Commissioners. Instructions were provided to the Allen County Commissioners Office regarding the ERR file, public notice and RROF upon on submittal of the ERR to the County.

The Combined Notice of Finding of No Significant Impact (FONSI) and Notice of Intent to Request Release of Funds (NOI/RROF) For Environmental Assessment followed the Temporary Format that became effective on March 23, 2020 and updated in November of 2020; due to the state of emergency concerning COVID-19. These notices allow the posting of environmental review records (ERRs) on the Grantees website as a temporary alternative. Grantees may post ERRs on their official websites and provide them to individuals upon request via email. The NOI/RROF may only be published when the Environmental Review Record (ERR) is complete and has been signed by the preparer.

- The FONSI and Notice of Intent to Request Release of Funds (NOI/RROF) will be published in the Lima News at least once. The notice must specify, at a minimum, a 15-calendar day period during which persons may evaluate and comment on the ERR. The first day the notice is published is considered day "0;" if the 15th day falls on a weekend or holiday, the period must be extended to the next business day. The record must be readily available for public inspection on the grantee's official website and/or a link to the ERR to the Ohio RCAP website on the first day of the comment period and must remain available until the Office of Community Development (OCD) issues a Project-Specific Release of Environmental Conditions (ROF). The grantee must also provide the ERR upon request electronically via email.
- No portion of the aggregated project may commence, and no funds may be committed, until OCD issues an ROF.
- Prior to submitting a Request for Release of Funds and Certification (RROF), the Responsible Entity must consider any comments received during the published local comment period and, if necessary, make final revisions to the ERR. The Responsible Entity's RROF may be only be signed by the certifying officer after due consideration of all comments.
- At least one business day after the last day of the local comment period, the Responsible Entity may email 1) a signed copy of the RROF; 2) a copy of the published FONSI and NOI/RROF (as it actually appeared in the newspaper); and, if applicable, 3) any other environmental Notices (e.g. Floodplain Management notices) published in association with the project(s), to OCD@development.ohio.gov.
- OCD observes a 15-day comment period beginning the date it receives a valid, executed RROF and associated FONSI and NOI/RROF.

Statement of Process and Status of Environmental Analysis

- OCD will issue an ROF after the 15-day comment period following the receipt of the RROF and successful resolution of any objections received. While the Temporary Format for a FONSI and NOI/RROF is in effect, OCD will not mail a hard copy of the ROF. Grantees may view and download ROF documents in OCEAN.

The Allen County Board of Commissioner is the Responsible Entity.

The Certifying Officer is Cory Noonan, President of the Board of Commissioners.

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.

Allen County is located in northwest Ohio approximately 21 miles east of the Ohio and Indiana border, 60 miles north of Dayton, Ohio and 70 miles northwest of Columbus, Ohio. Interstate highway 75 runs through the middle of Allen County.

The overall primary purpose of this project is to extend water service to eastern Allen County and provide service to the Villages of Lafayette and Harrod. Residents of these Villages are currently served by private wells. Water service would be provided to the Villages by the City of Lima Public Water System through the Allen Water District (AWD). The AWD has an agreement with the Allen County Board of Commissioners to serve water to all township areas within the County. The project area also includes sections of Auglaize and Jackson Townships. This Environmental Assessment was completed for the extension of the water line from Westminster to the Village of Lafayette and construction of waterlines within the Village.

Allen County is part of the glaciated till plain section of the Central Lowland physiographic province of central Ohio. Allen County lies within the Central Ohio Clayey Till Plain. The Central Ohio Clayey Till Plain is described as a surface of clayey till with well-defined moraines with intervening flat-lying ground moraine and intermorainal lake basins. Most of the bedrock in Allen County is either dolomite or limestone. Wells in the project area are generally located in a limestone aquifer. Bedrock depth generally ranges between 40 and 150 feet. Water, sand, gravel, limestone and agricultural land are significant natural resources of Allen County. Allen County currently has ten active limestone surface mines, although there are no mines or quarries near the project planning area alignments. Soils in Allen County and the project area are dominated by Blount silt loams, Glynwood silt and clay loams, and Pewamo silty clay loams.

The Village of Lafayette saw an increase in population in the 2010 US Census but had an estimated decrease in population by the year 2017. The project is expected to include 453 beneficiaries in the Village of Lafayette. There are currently no major industrial or commercial facilities requiring a large supply of water. The Village is approximately 5.5 miles north of Westminster where the 12-inch water supply will connect to an existing AWD district main. The ground elevation throughout Lafayette ranges between approximately 920 and 940 feet.

The Villages of Harrod and Lafayette have no public water supply and all residents have individual private water wells. The property owners in the Villages finance and maintain their own individual water wells and well water treatment systems. These well water treatment systems, which are typically designed to remove iron and sulfides, are difficult and costly to operate and maintain.

The proposed project will not only provide residents with a safe and reliable public water source, but would provide fire protection to the residents in the Villages of Lafayette and Harrod, but also approximately 1,200 students at the Allen East Local Schools that are located along the alignment, and other residents along the alignment.

Description of the Site and Environmental Context

A large, empty rectangular box with a black border, intended for the user to provide a description of the site and its environmental context.

Analysis of Alternatives

Instructions:

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

A Preliminary Engineering Report (PER) prepared by Prime AE of Columbus, Ohio (March 15, 2019), for the Allen Water District (AWD) examined three (3) 12-inch water line alignment alternatives that would receive municipal water from the Lima City Water System and provide water to the project areas. These three alternatives included 1) State Route 309 Alignment 2) Westminster North and Clum Road Alignment and 3) Westminster East and Harrod Road Alignment. Also considered, were two alternatives that do not include receiving municipal water from the Lima City PWS including 4) Lafayette Road and Village of Ada Water Treatment Plant (WTP), and 5) Construction of an AWD Water Treatment Plant in Eastern Allen County.

The AWD would also provide water service to the Allen East Local Schools located near the intersection of SR 309 (Harding Highway) with Napoleon Road. These schools have approximately 1,200 students and faculty, with an average daily water demand of approximately 9,000 gallons per day.

The replacement of the private water wells in the Villages was also initially considered as an alternative. However, based on the private water well tests results showing arsenic and other water quality problems in both Villages, the high cost of operation and maintenance of the wells, and support from the Allen County Public Health in moving forward with a centralized potable water distribution system; the private water well replacement alternative was dropped from further consideration. Thus, all alternatives have the advantage of eliminating 384 private wells in the Villages of Lafayette and Harrod.

All alternatives require the construction of a new water storage tank to provide and maintain adequate pressure and fire flows to Lafayette and Harrod. The proposed location for the tank has been selected and therefore the tank site is not further discussed in each alternative. Conflicts between existing utilities and the proposed water lines will be a concern for all alternatives evaluated. There are also known fiber optic cables, gas lines, and utility poles in the right-of-way of roadways that must be avoided by the proposed water line construction. There are sanitary sewer systems and partial storm sewer systems located in Harrod and Lafayette that need to be avoided.

Alternative 1 (State Route 309 Alignment) begins on SR 309 at an existing Allen Water District 12-inch water line and would extend a 12-inch water line east on SR 309 Road to Napoleon Road. The 12-inch water line would then extend north on Napoleon Road to the Village of Lafayette and south to the Village of Harrod. Alternative 1 would also include a 200,000-gallon standpipe that would serve the Villages of Lafayette and Harrod. Alternative 1 would operate on the existing City of Lima high-pressure zone (1,120-foot hydraulic grade line) and would require a new booster pump station located near the entrance of the Ohio State University branch campus entrance on SR 309.

Alternative 1 will require the installation of 51,270 lf of 12-inch PVC or HDPE water line. The majority of the 12-inch water line will be in the right-of-way of SR 309 and Napoleon Road. Alternative 1 will also require the installation of 28,110 lf of 8-inch PVC or HDPE water line in the Villages of Harrod and Lafayette. The majority of this 8-inch water line will be installed in the public right-of-way along Village streets. The majority of water lines will be installed via open-cut, while HDD and jack and bore methods will be utilized for road/stream and railway crossings, respectively.

Analysis of Alternatives

Alternative 1 would serve 340 equivalent water users within the corporate limits of Lafayette and Harrod. This Alternative also includes the possibility of serving an additional 44 equivalent water users from the Allen East Local Schools. There are 122 residences, 13 businesses and one church along the alignment on SR 309 and Napoleon Road that could possibly tie in to the proposed 12-inch water line.

Alternative 1 would require the acquisition of a permanent easement for a booster pump station site. The booster pump station site would be in or adjacent to the right-of-way of State Route 309, across the street from the entrance to the Ohio State University Lima Campus. The right-of-way of SR 309 ranges in width from 80 to 120 feet east of Thayer Road and 60-85 feet west of Thayer Road. This is the largest right-of-way available for the alternative alignments and will provide flexibility in avoiding roadside utilities and easements. We do not anticipate that easements for water lines along roadways will be required for Alternative 1.

Work in the Alternative 1 roadway right-of-way is not expected to be in close proximity to floodplains. However, high groundwater may occur at a few locations along the Alternative 1 alignment due to stream crossings. Water table depths shown on well logs range from 6 to 66 feet below ground surface along the alignment with an average depth of 38 feet. Bedrock depth along the Alternative 1 alignment is not a construction concern since existing well log data show a bedrock depth of ranging from 31-97 feet. This alternative has a total of 17 stream crossings which will require Horizontal Directional Boring to avoid stream impacts and increasing construction costs.

Alternative 1 would require additional costs for the construction of a new booster pump station and also has the second highest water line material use. Alternatives 2 and 3 would not require a new booster station since they both rely on the existing St. Johns Road booster pump station, which is expected to be more energy efficient.

Alternative 2 (Westminster North and Clum Road Alignment) would begin in Westminster at the existing Allen Water District 12-inch water line and would extend that 12-inch line north on Brentlinger Road until extending east on Clum Road to Napoleon Road. The 12-inch water line would then extend north on Napoleon Road to the Village of Lafayette and south on Napoleon Road to the Village of Harrod. Alternative 2 would also include a 200,000-gallon standpipe that would serve the Villages of Lafayette and Harrod, and possibly Westminster in the future. Alternative 2 would operate on the existing City of Lima high-pressure zone (1,120-foot hydraulic grade line) and would not require a booster pump station. This proposed tank would be served by the existing St. Johns Road booster pump station which has adequate capacity (over 3 million gallons per day) to serve Westminster, Lafayette and Harrod.

Alternative 2 will require the installation of 46,460 lf of 12-inch PVC or HDPE water line. The majority of the 12-inch water line will be in the right-of-way of Brentlinger Road, Clum Road and Napoleon Road. Alternative 2 will also require the installation of 28,110 lf of 8-inch PVC or HDPE water line in the Villages of Harrod and Lafayette. The majority of this 8-inch water line will be installed in the public right-of-way along Village streets. The majority of water lines will be installed via open-cut, while HDD and jack and bore methods will be utilized for road/stream and railway crossings, respectively.

Alternative 2 would serve 340 equivalent water users within the corporate limits of Lafayette and Harrod. This Alternative also includes the possibility of serving an additional 44 equivalent water users from the Allen East Local Schools. There are 102 private homes and 3 other potential customers along the alignment that could possibly tie in to the proposed 12-inch water line.

The rights-of-way of Brentlinger Road and Clum Road are generally 60 feet wide and 40-60 feet wide, respectively. However, the right-of-way along Clum Road from Brentlinger to Hullbarger Road is 40 feet wide by approximately 5,300 lineal feet long. These 5,300 lineal feet of water line are likely to require temporary construction easements to construct unless the water line is constructed in the roadway. Permanent easements are not expected to be required since the water line could be located in the right-

Analysis of Alternatives

of-way or pavement. In some cases, construction in the roadway may be required in order to avoid utilities and poles in the right-of-way. The Alternative 2 alignment along Brentlinger and Clum Roads has the lowest number of observed utilities and utility poles in the right-of-way. Therefore, Alternative 2 is expected to have the lowest number of utility conflicts.

Work in the Alternative 2 roadway right-of-way is not expected to be in close proximity to floodplains. High groundwater is not expected to be encountered in this upland area along Brentlinger and Clum Roads since it ranges in depth from 12 to 79 feet as shown in well logs along the alignment. Bedrock depth along the Alternative 2 alignment is not a construction concern since existing well log data show an average depth to bedrock of 104 feet. Alternative 2 has the smallest number of stream crossings compared to the other alternatives with a total of five crossings. Directional drilling will be performed to avoid impacts on the streams and eliminate permitting delays. Alternative 2 will also involve some construction near mature trees in the right-of-way; though trees will be avoided when possible.

Alternative 2 would not require a new booster station since it will use the existing St. Johns Road booster pump station; which is expected to be more energy efficient. Alternative 2 would also involve a significant decrease in water line material use over the requirements of Alternatives 1 and 4, respectively. Installing Alternative 2 water lines would also significantly reduce the volume of excavated material hauled off site and the quantity of surface restoration required. However, Alternative 2 would require more water line than Alternative 3.

Alternative 3 (Westminster East and Harrod Road Alignment) would begin in Westminster at the existing Allen Water District 12-inch water line near Rudolph Foods. Alternative 3 would extend this 12-inch water line east on Katrina Road, south on Carey Street, east on Faulkner Road, north on Johnston Road and east on Harrod Road to where it would provide service to the Village of Harrod. The 12-inch water line would extend north along Napoleon Road where it would provide service to the Village of Lafayette. Alternative 3 would include a water storage tank that would serve the Villages of Lafayette and Harrod, and possibly Westminster in the future. Alternative 3 would operate on the existing City of Lima high-pressure zone (1,120-foot hydraulic grade line) and would not require a booster pump station. This tank would be served by the existing St. Johns Road booster pump station which has adequate capacity (over 3 million gallons per day) to serve Westminster, Lafayette and Harrod.

This alternative will require the installation of 45,090 lf of 12-inch PVC or HDPE water line. The majority of the 12-inch water line will be in the right-of-way. Alternative 3 will also require the installation of 26,835 lf of 8-inch PVC or HDPE water line in the Villages of Harrod and Lafayette. The majority of this 8-inch water line will be installed in the public right-of-way along Village streets. The majority of water lines will be installed via open-cut, while HDD and jack and bore methods will be utilized for road/stream and railway crossings, respectively.

Alternative 3 would serve 340 equivalent water users within the corporate limits of Lafayette and Harrod. This Alternative also includes the possibility of serving an additional 44 equivalent water users from the Allen East Local Schools. There are approximately 140 private homes and 7 other potential customers along the alignment that could also possibly tie in to the proposed 12-inch water line.

The rights-of-way along Faulkner Road, Johnston Road, and Harrod Road are generally 60 feet wide. The right-of-way along Katrina Road and Carey Street in Westminster are approximately 50 feet wide and 65 feet wide, respectively. It appears that the water line will require construction in the pavement on Katrina Road. Therefore, temporary and permanent easements are not expected to be required for Alternative 3 since the water line could be located in the right-of-way or pavement. There are sanitary sewer systems and partial storm sewer systems located in Harrod, Lafayette and Westminster that need to be avoided. In some cases, construction in the roadway may be required in order to avoid utilities and poles in the right-of-way.

Work in the Alternative 3 Westminster roadway right-of-way area is expected to be in close proximity to floodplains. High groundwater may be encountered in this area which would require trench dewatering

Analysis of Alternatives

during water line construction. Water wells in the Westminster area show a water table at a depth of 2-16 feet and an average depth of 11 feet. Water wells in the vicinity of the alignment show a water table at a depth of 10-58 feet. Bedrock depth along the water line alignment is not a construction concern since existing well log data show an average depth of 47 feet. There are seven (7) stream crossings proposed under this alternative, and all crossings will be accomplished via HDD. Mature trees exist in some right away areas and in some case will be impacted.

Alternative 3 would not require a new booster station since it will use the existing St. Johns Road booster pump station, which is expected to be more energy efficient and require less raw materials for construction. Alternative 3 has the lowest overall 8-inch and 12-inch water line material usage of all alternatives, without construction of a WTP. Installing Alternative 3 water lines would significantly reduce the volume of excavated material hauled off site and the quantity of surface restoration required. Alternative 3 is a more cost-effective option than the Alternative 1 alignment due to approximately 6,180 lineal feet less of 12-inch pipe required, shorter HDD distances, and no new booster pump station required. Alternative 3 is also a more cost-effective option than the Alternative 2 alignment due to approximately 1,370 lineal feet less of 12-inch pipe required for this alignment.

Alternative 4 (Lafayette Road and Village of Ada WTP) would begin in the Village of Ada (Hardin County) at an existing Ada 12-inch water line at the intersection of Lima Ada and Klingler Roads near the western boundary of the Village of Ada. Alternative 4 would extend the 12-inch water line from Ada west on Lima Ada Road, continue west on Lafayette Road through the Village of Lafayette. The 12-inch water line would also continue south along Napoleon Road to the Village of Harrod. Alternative 4 would include a water storage tank located between Lafayette and Harrod. Alternative 4 would operate on the existing Village of Ada pressure zone (1,118-foot hydraulic grade line) and a booster pump station would not be required.

Alternative 4 will require the installation of 54,370 lf of 12-inch PVC or HDPE water line. The majority of the 12-inch water line will be in the right-of-way. Alternative 4 will also require the installation of 27,350 lf of 8-inch PVC or HDPE water line in the Villages of Harrod and Lafayette. The majority of this 8-inch water line will be installed in the public right-of-way along Village streets.

Alternative 4 would serve 340 equivalent water users within the corporate limits of Lafayette and Harrod. This Alternative also includes the possibility of serving an additional 44 equivalent water users from the Allen East Local Schools. There are also approximately 81 private homes (in Allen County) and 3 other potential customers along the alignment that could possibly tie in to the proposed 12-inch water line. The Village of Ada's WTP has an average daily demand of 0.46 MGD, a maximum daily demand of 0.68 MGD and a treatment capacity of 1.0 MGD. The 20-year projection of water demand from the East Regional Water Line project would be 0.18 MGD, assuming 1% population growth over the next 20 years.

The rights-of-way along Lafayette Road between Ada and Lafayette and along Napoleon Road are both approximately 60 feet wide. Therefore, temporary and permanent easements are not expected to be required for this option. There are sanitary sewer systems and partial storm sewer systems located in Harrod and Lafayette that need to be avoided. This option has 13 stream crossings including four on Napoleon Road and nine on Lafayette Road between Lafayette and Ada. HDD will be performed to avoid impacts on the streams and nearby riparian vegetation. The 12-inch alignment crosses the 100-year flood zone twice on Lafayette Road.

Alternative 4 has higher construction and OM&R costs than the Alternatives 1-3 alignments discussed previously. This is primarily due to the quantities of pipe required to build Alternative 4.

Alternative 5 (Construction of AWD WTP in Eastern Allen County) involves the construction of a new WTP to be owned and operated by the AWD. The preliminary site of this WTP would be in western Lafayette and would require constructing a new WTP building, a new clearwell, access drives, site work, and extending utilities to this site. This construction work is expected to disturb about two acres of the proposed 5-acre site.

This alternative would include a 12-inch water line extending along Napoleon Road from the WTP in Lafayette through the Village of Harrod. Alternative 5 would also include a 200,000-gallon water storage

Analysis of Alternatives

tank that would serve the Villages of Lafayette and Harrod. Alternative 5 would require the installation of 24,600 lf of 12-inch PVC or HDPE water line. The majority of the 12-inch water line will be in the right-of-way. Alternative 5 will require the installation of 24,600 lf of 12-inch PVC or HDPE water line. The majority of the 12-inch water line will be in the right-of-way. Alternative 5 will also require the installation of 28,110 lf of 8-inch PVC or HDPE water line in the Villages of Harrod and Lafayette. The majority of this 8-inch water line will be installed in the public right-of-way along Village streets. The majority of line would be installed via open cut, with HDD and jack and bore used for stream, road and railway crossings.

Alternative 5 would serve 340 equivalent water users within the corporate limits of Lafayette and Harrod. This alternative also includes the possibility of serving an additional 44 equivalent water users from the Allen East Local Schools. There are approximately 50 private homes and 3 other potential customers along the alignment that could possibly tie in to the proposed 12-inch water line as well.

Alternative 5 is the least cost-effective option due to the required construction and operation of a new WTP. This alternative presents higher construction costs than options previously discussed and the WTP would require an ongoing commitment of operation and maintenance, labor, power, and chemicals required for a small water treatment plant. This would not be as cost effective or sustainable as connecting into an existing City of Lima or Village of Ada WTP.

The PER conducted a present worth (Life Cycle) analysis to compare the five alternatives in terms of project costs, annual operation and maintenance (O&M) and replacement (OM&R) costs. Operation and maintenance costs includes salaries, benefits, electricity, etc. Present worth costs were based on a planning period of 20 years for the project. The published federal discount rate at the time this report was written was 3.0%. Results of the analysis are below:

Alternative Number	Project Description	Project Cost	Annual OM&R	Present Worth	Rank
1	State Route 309 Alignment	\$10,170,793	\$19,337	\$10,454,486	3
2	Westminster North and Clum Road Alignment	\$9,191,109	\$14,928	\$9,409,215	2
3	Westminster East and Harrod Road Alignment	\$8,992,383	\$14,728	\$9,207,513	1
4	Lafayette Road Alignment and Village of Ada WTP Supply	\$10,502,024	\$14,878	\$10,719,385	4
5	Construction of AWD WTP in Eastern Allen County	\$12,348,254	\$270,861	\$42,052,575	5

Based on the present worth analysis, **Alternative 3 (Westminster East and Harrod Road Alignment)** is the preferred alternative. All the alternatives would provide fire protection to Allen East Local Schools and the Villages of Lafayette and Harrod, providing significant benefit to 340 homes in the Villages and the 1,200 students and faculty that attend the schools. In addition, Fire hydrants would also be located along the 12-inch water lines in eastern Allen County and provide fire protection to the homeowners living adjacent to the alignments. The Alternative 1, 2, 3, and 4 alignments have 135, 105, 147, and 84 homes and businesses adjacent to the 12-inch water line, respectively. Therefore, Alternatives 3 would also benefit the most residents currently living in the area by providing fire protection. Alternative 3 has

Analysis of Alternatives

the lowest overall water line material use without the construction of a new WTP and is the most sustainable project in terms of material usage.

No Action Alternative

For this Alternative, a 12-inch transmission line and a new water distribution system for the Villages of Lafayette and Harrod would not be constructed and residents in the two Villages would continue to rely on their individual private water wells. Therefore, the Villages would continue to have no reliable source of fire protection for their homes and commercial buildings. Groundwater quality issues, which include arsenic, iron, total coliform bacteria and total dissolved solids, would remain the same and each home and business would continue to operate and maintain their own chemical treatment system.

No sustainability improvements associated with water conservation, energy efficiency and simplicity of operation would be realized under the No Action Alternative. There would be no reductions in water consumption and no reductions in water well energy use associated with the No Action Alternative. Approximately 384 private wells would continue to exist and would continue to require energy for pumping. Chemical treatment of groundwater would also continue to be needed for each well. There would be no known environmental impacts from the no action alternative, nor new construction or land acquisition requirements.

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.

The Lafayette Water Line Extension Project will have only minimal, short-term environmental impacts. No significant short-term or long-term adverse environmental concerns were identified as related to wetlands, floodplains, historic properties, wildlife habitat and threatened and endangered species, air quality, noise, farmland, socioeconomics, and other natural and cultural resources.

THE FOLLOWING DESCRIBES MITIGATION MEASURES TO ELIMINATE, MINIMIZE ADVERSE ENVIRONMENTAL IMPACTS:**HISTORIC PRESERVATION:**

- Any excavation by the contractor that uncovers human remains or archaeological deposits shall be immediately reported to the Allen County Commissioners, Ohio Development Services Agency, USDA-Rural Development, and Ohio SHPO, and project funding sources including the Ohio EPA and ODSA. Construction shall be immediately halted pending the notification process and further directions provided after consultation with SHPO and all Indian Tribes listed for Allen County, Ohio.

FLOODPLAIN MANAGEMENT:

- Construction within a floodplain areas will require compliance with all local floodplain management regulations and permits.
:(<https://www.lacrpc.com/media/109551/Floodplain%20Regs--Allen%20County.pdf>)
- Prior to construction in a Floodplain, a Floodplain Permit must be submitted and approved by the Lima-Allen County Regional Planning Commission Floodplain Administrator.
- Original land contours must be restored after completion of construction activities.
- Directional bore construction techniques should be implemented on all stream crossings.
- Impacted floodplain areas shall be seeded with native, non-invasive species following construction work.

WETLANDS PROTECTION:

- No in-Water work is to occur for the proposed project.
- Proper measures shall be taken to prevent unintentional discharges from entering waterways.
- Should the proposed project be modified to entail a discharge of dredged or fill material into a Waters of the United States, the owner must contract the U.S. Army Corps of Engineers Buffalo Regulatory District Office regarding Department of Army permit requirements.
- All stream channel pipeline crossings within the project area shall be horizontally directional bored in order to avoid impacts to stream channels and riparian areas.

Analysis of Impacts and Mitigation Actions

ENDANGERED SPECIES:

- Avoidance of tree removal or the implementation of seasonal tree cutting (clearing of trees ≥ 3 inches diameter at breast height (dbh) between October 1 and March 31) to avoid impacts to the federally listed endangered Indiana bat and threatened northern long-eared bat.
- If trees are present within the project area, and trees must be cut during the summer months, the DOW recommends a mist net survey or acoustic survey be conducted from June 1 through August 15, prior to any cutting. Mist net and acoustic surveys should be conducted in accordance with the most recent version of the "*OHIO DIVISION OF WILDLIFE GUIDANCE FOR BAT SURVEYS AND TREE CLEARING*". If state listed bats are documented, DOW recommends cutting only occur from October 1 through March 31, however, limited summer tree cutting may be acceptable after consultation with DOW.
- No in-water work is to occur as part of this project in order to avoid impacts to freshwater mussels, fish and other state and federal listed species.

The USFWS and ODNR also 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, especially on slopes. All disturbed areas should be mulched and revegetated with native plant species.

AIR QUALITY MITIGATION:

- All construction vehicles should be equipped with proper emissions control equipment.
- Conduct periodic maintenance of equipment and machinery for proper tuning to minimize exhaust emissions and more.
- Utilize best management practices and reasonably available dust control measures, as necessary, during construction to minimize dust generation.
- No open-burning of construction material or other wastes.

NOISE MITIGATION:

- Construction activities will be limited to daytime hours, or where applicable, local noise ordinances requirements shall be followed as required.
- Construction equipment will be provided with intake silencers and mufflers, as required by safety standards.

TRANSPORTATION MITIGATION:

- All ODOT and OSHA traffic control regulations must be implemented during construction.
- The owner is responsible for obtaining all ODOT, Allen County, Auglaize Township, Jackson Township and Village right of permits.
- If temporary street/road closures are required, detours must be properly identified and emergency responders notified.
- Specifications for construction entrance, per the Rainwater and Land Development Manual (Rev 2014), and local requirements should be implemented as needed.
- Paved areas that have accumulated sediment from construction should be cleaned daily, or as needed.
- The contractor shall develop a traffic control plan prior to construction to ensure the safety of the public and contractors working on the project.
- At least one lane of traffic must be maintained along the travel route to the construction site.
- Access must be maintained for emergency vehicles at all times.

EROSION CONTROL / STORMWATER RUNOFF MITIGATION:

- The use of best management practices for erosion, drainage and stormwater runoff will be required during construction.
- Erosion should be minimized to the maximum extent possible, by use of silt fence or other erosion control techniques as required.
- Construction areas will be mulched and seeded with native species following construction activities
- The project will be required to comply with Ohio EPA Division of Surface Water regulations regarding storm water discharges associated with construction activity under the National Pollutant Discharge Elimination System (NPDES) program: A) the owner/contractor should apply for, obtain and pay for the NPDES Construction stormwater permit; B) the owner should retain copies of the permit as issued by Ohio EPA; C) a Stormwater Pollution Prevention Plan (SWP3) must be prepared for the construction of the proposed project and associated construction activities. The owner/contractor will submit a Notice of Intent (NOI) to the Ohio EPA to ensure coverage under the NDPEs general permit that is authorized by the Ohio EPA for construction activities; D) the SWP3, the NOI, and Ohio EPA NPDES general permit shall be maintained at the construction site at all times; E) Provisions of the SWP3 should be incorporated into the plans and specifications for the proposed project construction.

SITE CONTAMINATION:

While no mitigation is required for any toxic, hazardous or radioactive substance, the Grantee will still be asked to follow Occupational Health and Safety Administration (OSHA) guidelines during construction to ensure worker and public safety. This will include the use of personal protection equipment by contractors, along with warning signs and barriers to limit public access. Contractors shall be notified regarding the presence of utilities near the project areas during the pre-construction meeting, and as work progresses. Emergency numbers for the local electric, gas, phone, cable, water and sewer utilities shall be included in the Contractor's site health and safety plan.

In addition, during construction activities, appropriate safeguards should be in place to ensure that groundwater and soils are protected from contamination. Such precautions would include notifying contractors and subcontractors as to the importance of not endangering groundwater, securing adequate precautions for fueling/servicing construction equipment and developing contingency plans to handle any release of petroleum products or hazardous materials.

Monitoring and Enforcement Procedures

Instructions:

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

The Contract documents must contain a listing of all mitigation measures and the Contractor will be made aware of the measures required to be implemented during construction.

Upon completion of the project, the Contractor shall submit a written statement or certification asserting that no asbestos containing materials were used in any portion of the construction.

List of Sources, Agencies, and Persons Consulted

U.S. Fish & Wildlife Service (Columbus, OH)
Ohio Department of Natural Resources (Ms. Sarah Tebbe, Columbus)
U.S. Army Corps of Engineers– Buffalo Regulatory District
Natural Resources Conservation Service (Jeff Glanville, Columbus Ohio State Office)
Ohio State Historic Preservation Office (SHPO)
U.S. Environmental Protection Agency NEPAassist (https://www.epa.gov/nepa/nepassist)
Ohio Department of Commerce - Ohio Bureau of Underground Storage Tanks (BUSTR) Website (https://www.com.ohio.gov/fire/BUSTRResources)
FEMA Flood Map Service Center (https://msc.fema.gov)
William Boggs, PE, PRIME AE
U.S. Environmental Protection Agency EnviroFACTS Website (https://enviro.epa.gov/)
Ohio EPA-Division of Air Pollution Control (https://www.epa.state.oh.us/dapc/general/naaqs)
Kimberly Stiles, Allen Water District
Preliminary Engineering Report (Prime AE Job No 2OH01WD-17257-02 dated 3/15/19)
USFWS IPaC Environmental Conservation Online System (https://ecos.fws.gov/ipac/)
ODNR Coastal Management Interactive Map Viewer (http://coastal.ohiodnr.gov/mapviewers http://coastal.ohiodnr.gov/mapviewer)
Ohio SHPO on-line mapping system (https://www.ohiohistory.org/preserve/state-historic-preservation-office/mapping)
ODNR Coastal Management Map Viewer (http://www.coastal.ohiodnr.gov/mapviewer)
USFWS Coastal Barrier Resources System (https://www.fsw.gov/cbra/maps/index/html).
Hud.gov (https://egis.hud.gov/tadat/Query.aspx?state=Ohio)
U.S. Census data (https://www.census.gov/)
Wild and Scenic Rivers (https://www.rivers.gov/map.php)
ODNR Division of Geological Survey Karst Interactive Map (https://gis.ohiodnr.gov/website/dgs/karst_interactivemap/)

List of Sources, Agencies, and Persons Consulted

ODNR Division of Mineral Resources Mines of Ohio Mapping
<https://gis.ohiodnr.gov/MapView/?config=OhioMines>

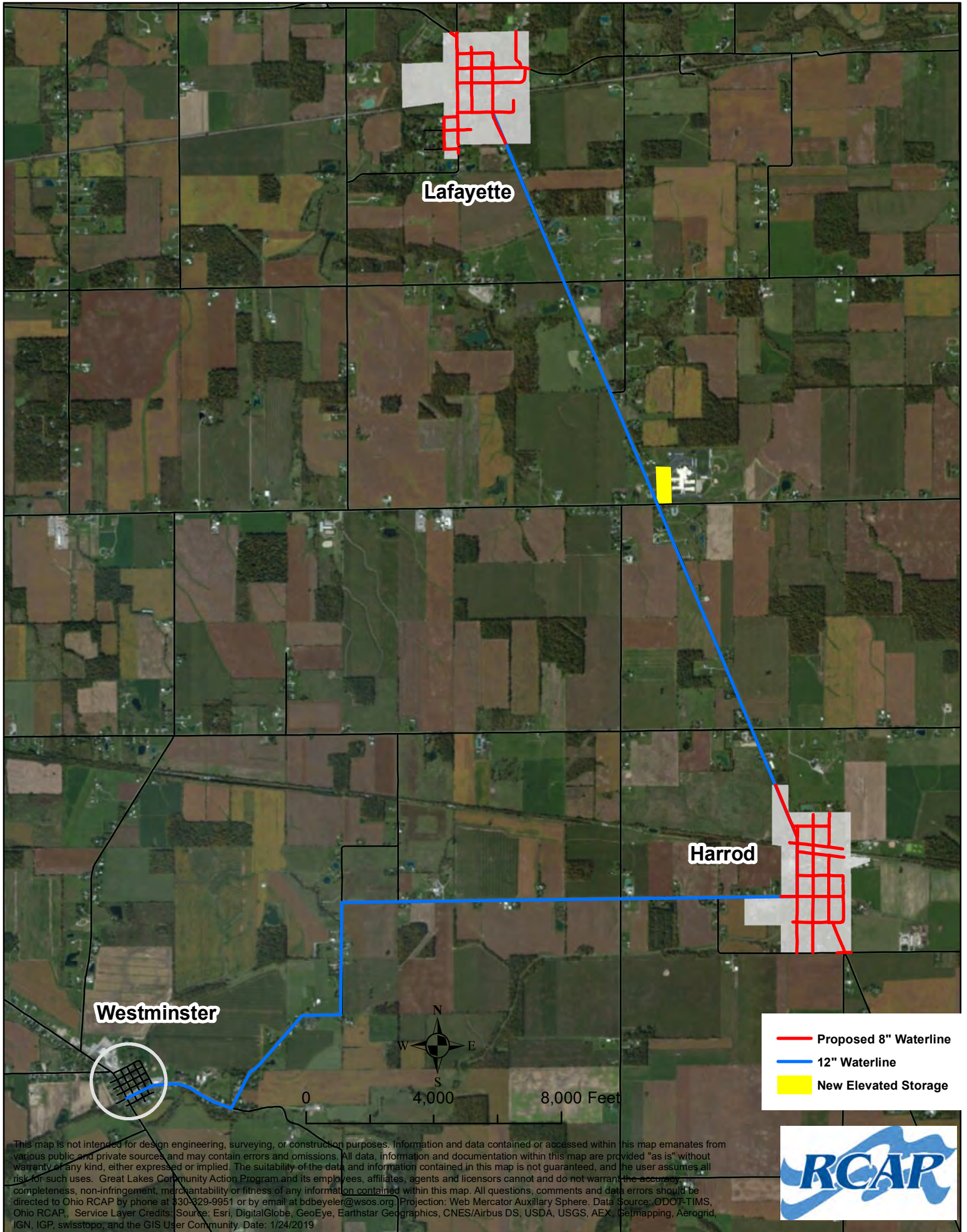


Participants in the Review

Name	Title	Organization
Ron Winland	Sr. Rural Development Specialist	Ohio RCAP
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SITE LOCATION MAPS

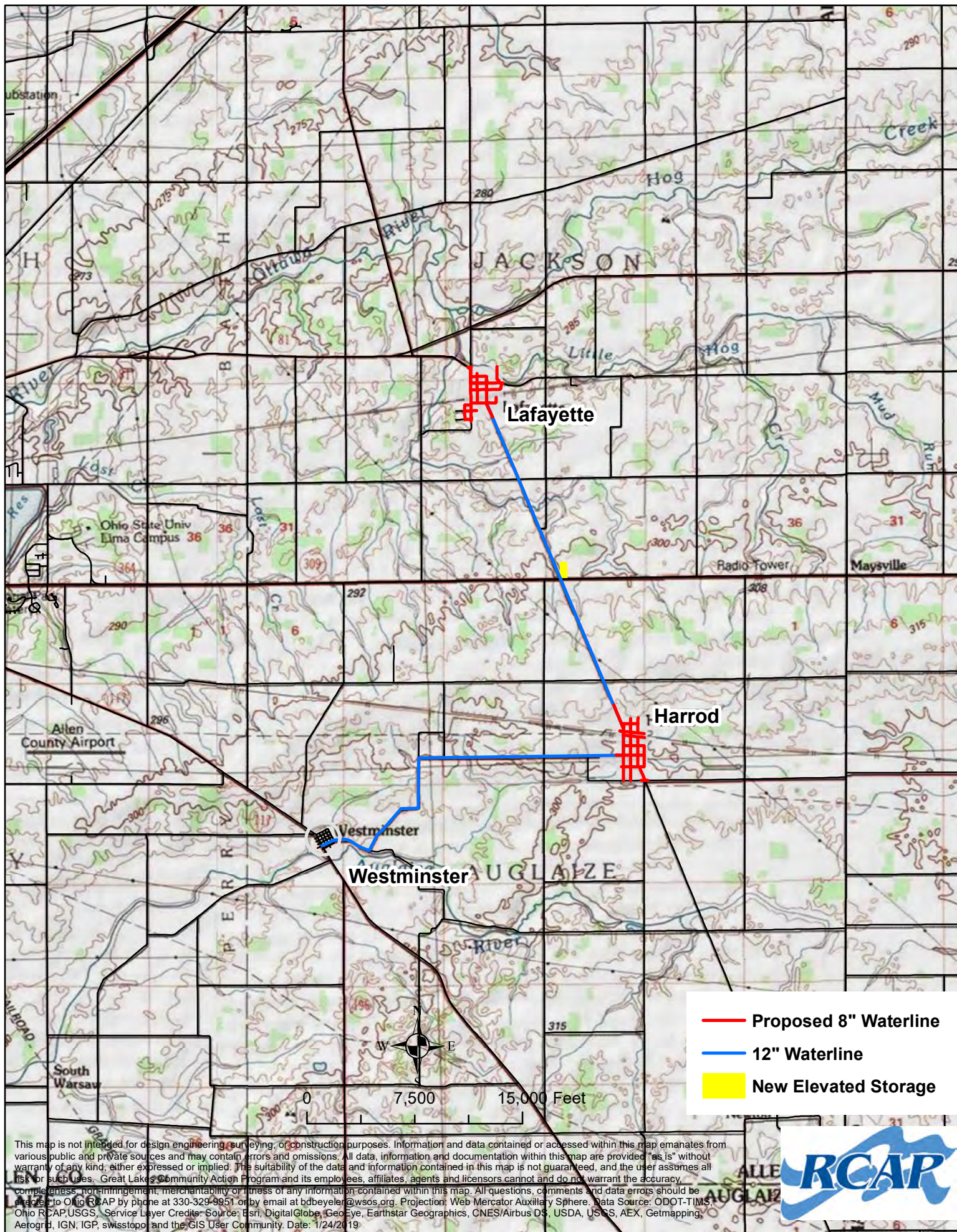
Proposed Allen County Water - Westminster to Lafayette



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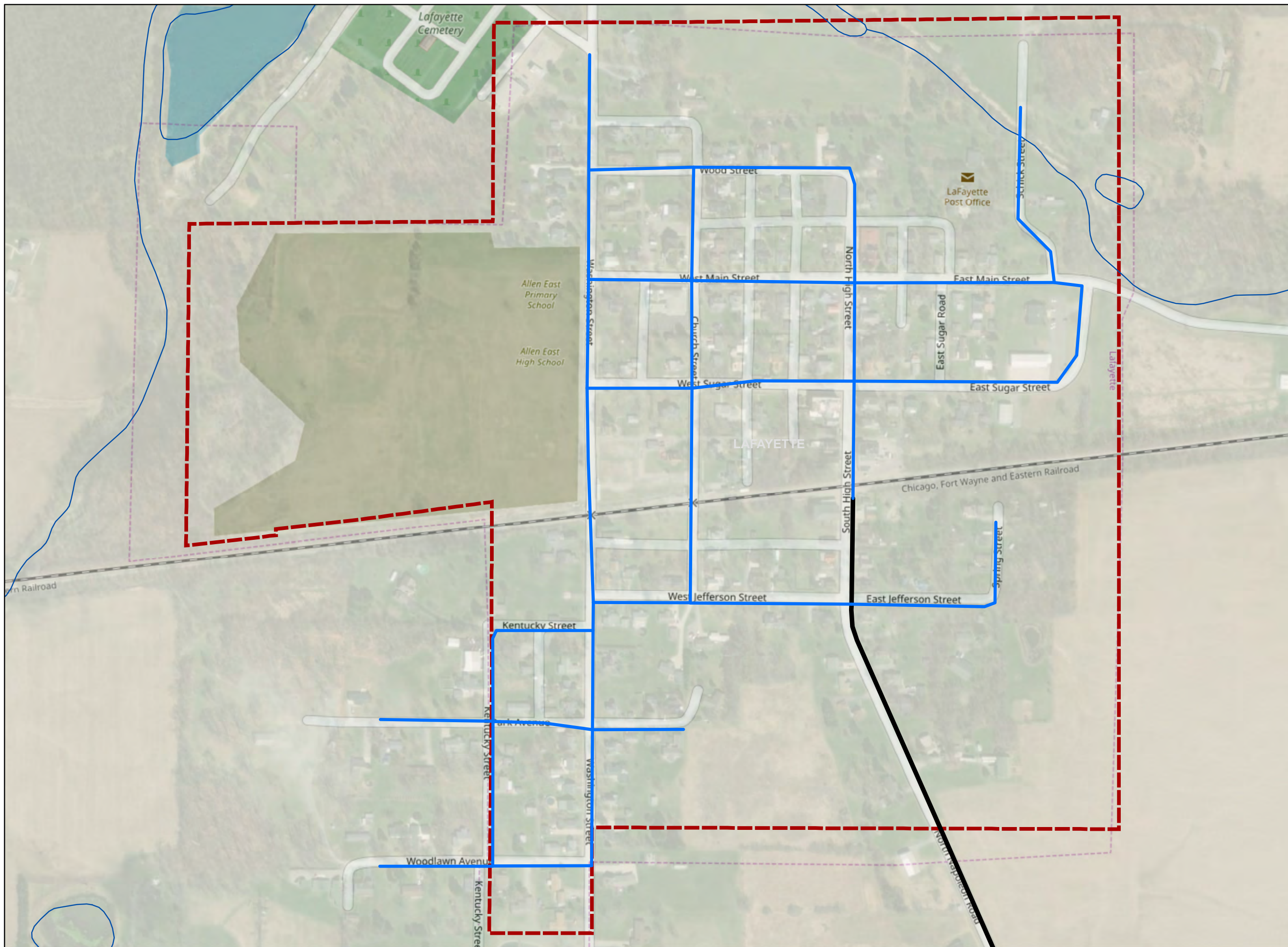


Proposed Allen County Water - Westminster to Lafayette



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Legend





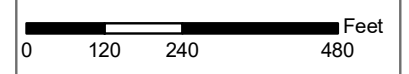
-  Streams & Rivers
-  Corporate Limits
- Proposed Water Line**
-  8 inches
-  12 inches

Figure 4-6
Proposed Village of Lafayette
Water Distribution System
Alternative 3
Westminster East and Harrod
Road Alignment
East Regional Water Line Project
Preliminary Engineering Report
Allen Water District



**PHOTOGRAPHS
OF PROJECT AREA
&
FIELD NOTES CHECKLIST**

Waterline: Lafayette to Westminster

Pictures for 12" Water Main

A: S. High Street (N. Napoleon Road) (Lafayette)

1. West Jefferson Street and S. High Street (N. Napoleon Rd.) looking North towards RR tracks



2. West Jefferson Street and S. High Street (N. Napoleon Rd.) looking Southeast



3. N. Napoleon Rd. and High Street Road (Reservoir Rd.) looking Northwest



4. N. Napoleon Rd. and High Street Road (Reservoir Rd.) looking Southeast



5. N. Napoleon Rd. and Phillips Rd. looking Northwest



6. N. Napoleon Rd. and Phillips Rd. looking Southeast



7. S. Napoleon Rd. and Harding Highway (SR 309) looking Northwest



8. S. Napoleon Rd. and Harding Highway (SR 309) looking Northeast at Allen East Schools



9.

10. S. Napoleon Rd. and Harding Highway (SR 309) looking Southeast



11. S. Napoleon Rd. and Clum Road looking Northwest



12. S. Napoleon Rd. and Clum Road looking Southeast



13. Napoleon Rd. and N. Walnut Street looking Northwest



B: Napoleon Road and N. Walnut Street (Harrod)

1. Napoleon Rd. and N. Walnut Street looking South



2. S. Walnut Street and Harrod Road looking North



3. S. Walnut Street and Harrod Road looking West



4. Harrod Road and Motter Road looking East



5. Harrod Road and Motter Road looking West



6. Harrod Road and Phillips Road looking East



7. Harrod Road and Phillips Road looking West



8. Harrod Road and Johnston Road looking East



C: Johnston Road/Harrod Westminster Road and Harrod Road (Westminster)

1. Johnston Road/Harrod Westminster Road and Harrod Road looking South



2. Harrod Westminster Road looking North towards Harrod Road



3. Harrod Westminster Road looking West at bend in road



4. Harrod Westminster Road and Faulkner Road looking Northeast



5. Harrod Westminster Road and Faulkner Road looking West



6. Faulkner Road and Cardinal Drive looking East



7. Faulkner Road and Cardinal Drive looking West



8. Faulkner Road and SR 117 (Bellefontaine Road) looking East



Additional Waterline Pictures

Lafayette 8" Lines

1. Napoleon and Washington Street looking South



2. Washington and Wood looking East



3. Washington and West Main Looking East



4. Washington and West Sugar looking East



5. Washington and West Jefferson Looking East



6. Washington and West Jefferson Looking South



7. Washington and Kentucky looking West



8. Kentucky Street looking South



9. Kentucky and Park Avenue looking East



10. Kentucky and Park Avenue looking East



11. West Jefferson and Church Street looking North



12. East Jefferson and Spring Street looking North



13. South High and Railroad tracks looking North



14. West Sugar and South High looking East



15. East Main and East Sugar looking South



16. East Main and Schick Street looking North



17. East Main and Schick Street looking West

Additional Waterline Pictures

Harrod 8" Waterline

1. Napoleon and West 1st Street looking East



2. Napoleon and West 2nd Street looking East



3. Napoleon and West 3rd Street looking East



4. Napoleon and West 4th Street looking East



5. Napoleon and West 5th Street looking East



6. Napoleon and West 5th Street looking South



7. Napoleon and West 6th Street looking East



8. West 6th Street and South Main Street looking South



9. West 6th Street and South Main Street looking North



10. East 6th Street and South Oak Street looking North



11. East 6th Street and South East Street looking North



12. East 4th Street and North Oak Street looking North



13. West 4th Street and North Main Street looking North



14. North Main Street and Eat 1st Street looking South



15. North Main Street and East 1st Street looking North



16. East 1st Street and North Oak Street looking North



17. East 1st Street and North Oak Street looking South

**OHCP Environmental Review Record
Field Notes Checklist**

6/99

This checklist is to be completed during the field visit to the project site and is to be attached to the environmental review record (ERR). It will constitute full documentation for some factors in the ERR, and partial documentation for other factors. Some factors on the Checklist require other kinds of documentation (e.g. contacts and correspondence with the State Historic Preservation Office, interviews and correspondence with fire and police, schools, etc.), so those factors are not included in this checklist.

Aggregate all activities that comprise the project (fund with HOME, ESG, CDBG, or any other funds. Provide answers to all questions that can be observed during the field visit. Use spaces provided for any supplemental information and/or for recording any recommended mitigation measures. Use additional sheets if necessary, but key additional information to the relevant questions.

Several different types of maps will be useful on the field visit, such as project plan or plat map, location map showing major features and facilities in the vicinity, USGS topographical map, zoning map, and land use map. Many of the conditions observed can and should be recorded directly on the project plan. Distances to major features and facilities (e.g., schools and fire stations) and a description of the surrounding area are examples. The plan can then be referenced as "source/documentation" on the EA form.

Section 1: General Project Information

Grant Agreement Number(s): B-W-20-1AB-1 (Allen County – Lafayette)

Single year or Multi-Year: Single

General or Tier Review: Environmental Assessment

Project Name: Village of Lafayette and Village of Harrod Water Line Extension Projects (East Regional Water Line)

Activity Name(s) and Grant Agreement Attachment A Number: Allen County B-W-20-1AB-1;

Lafayette Water Line

Harrod Water Line

Location (Street Address, City, Township, County): Villages of Lafayette and Harrod

Brief Description of Aggregated Project: The project involves extending an existing Allen Water District 12 inch Water Main from near Westminster to the Villages of Harrod and Lafayette. Within each Village water distribution system along with fire hydrants will be installed to provide all residents with access to public water.

1. Project is in a location described as : Central City Suburban Infill Urban Development
 In a Developing Rural Area In an Undeveloped Area small village - Rural Setting
2. Project is served by: Paved Access Public Water Public Sanitary Sewer Public Storm Sewers
 Gas Electric Other Utilities (Specify) _____

- 3. Is the project an addition to existing development? Yes No
- 4. Are there existing buildings on the site? Yes No
- 5. Is the site covered with trees and non-agricultural vegetation? Yes No Road R.O.W
- 6. Is the site presently being farmed? Yes No

Section 2: Noise

- 7. Is the project within 1,000 feet of a major road/highway/freeway? Yes No
- 8. Is the project within 3,000 feet of a railroad? Yes No
- 9. Is the project within 15 miles of a military airfield? Yes No
- 10. Is the project within 5 miles of a civil airport? Yes No

If yes was answered to any question 7 - 10, then a noise assessment must be conducted. For airports, use adopted Day/Night Noise Level (DNL) Contours. For projects environments that exceed HUD noise standards, mitigation measures must be conducted.

PROJECT INVOLVES U/G WATER LINE INSTALLATION - NO NOISE FOLLOWING CONSTRUCTION

Section 3: Floodplain/Wetlands/Coastal Zones

- 11. Are there drainage, streams, rivers, or coastlines on or near the site? Yes No
- 12. Is the project or access in the floodplain? Yes No 8-STEP PROCESS FOLLOWER
(If the project is in the floodplain compliance will require following the 8 step process.)
- 12. Are there ponds, marshes, bogs, or evidence of jurisdictional wetlands on or near the site? Yes No
- 13. Are there soils or vegetation characteristic of wetlands on or near the site? Yes No

Section 4: Hazards

- 14. Are industrial facilities handling explosive or fire-prone material such as liquid propane, gasoline, or other storage tanks visible from the project site? Yes No
If yes, check for compliance with 24 CFR Part 51 C, using HUD Hazards Guidebook

15. Is the project within 3,000 feet from the end of a runway at a civil airport? Yes No _____
 If yes, check for compliance requirements at 24 CFR Part 51.
16. Is the project within 2 1/2 miles from the end of a runway at a military airfield? Yes No _____
 If yes, check for compliance requirements at 24 CFR Part 51.
17. Is the project near dump or landfill site? Yes No _____
18. Is the project near an industry disposing of chemicals or hazardous wastes? Yes No _____

Section 5: Compatibility with Surrounding Development

19. Is the project compatible with surrounding area in terms of:

	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>
Land Use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Texture, Materials	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Height, Bulk, Mass	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Building Type (Low/high Rise)	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Building Density	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Building Arrangement	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Population Density	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Light/shadow and Ventilation	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Setback	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Landscaping	<input type="checkbox"/>	<input type="checkbox"/>

20. Will the project be unduly influenced by:

	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>		Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
Building Obsolescence	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Transition of Land Uses	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vacant Buildings	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Transition in Density	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Building Deterioration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Non-conforming Conversions	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Postponed Maintenance	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Incompatible Land Uses	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Obsolete Public Facilities	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Inadequate off-street Parking	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Buildings Crowding Land	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Section 6: Site Accessibility, Parks and Recreation, Commercial/Retail, Transportation

- 21. Is the project accessible to employment, shopping, and services? Yes No
- 22. Are parks and play spaces available on site or near by? Yes No
- 23. Are commercial/retail shopping centers nearby? Yes No
- 24. Is public transportation service available? Yes No

Section 7: Physical Site Suitability

- 25. Slopes are: Not applicable Steep Moderate Slight
- 26. Is there evidence of slope erosion? Yes No
(Such as extensive gullies/small ravines? Bowed retaining walls? Washing away of top-soil and grasses? Tree movement? Fire scars?)
- 27. Is there evidence of unstable slope conditions? Yes No
(Such as trees perpendicular to slope? Vertical cracks at top of slope? Tilted utility poles? Hummocky-undulations on mid to lower slopes?)
- 28. Is there evidence of ground subsidence on the site? Yes No

Section 8: Soil Suitability and Erodibility

- 29. Soils are: Loose, Fine Grained Silts Gravel/sands Clay (Hard/dry) Non-expansive
 Moderately Expansive Highly Expansive Mix of (Check Appropriate Boxes) *SILT LOAMS*
- 30. Are there visual indications of filled ground? Yes No
(Materials loosely piled on ground? Loose vegetation? Earth has graded appearance or topography appears unnatural in grade as related to the vicinity?)
- 31. Are there active rills and gullies on site? Yes No
- 32. Is there off-site drainage to site? Yes No

Section 9: Natural Hazards

33. Will the project be affected by:

- | | | | | | |
|--------------------------|--------------------------|-------------------------------------|------------------|--------------------------|-------------------------------------|
| | Yes | No | | Yes | No |
| Faults, Fractures | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Fire Hazards | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Cliffs, Bluffs, Crevices | <input type="checkbox"/> | <input checked="" type="checkbox"/> | Wind/sand Storms | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Slope-failures from Rains	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Poisonous Plants, Insects, Animals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Unprotected Water Bodies	<input type="checkbox"/>	<input checked="" type="checkbox"/>			
Hazardous Terrain Features	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Section 10: Man-made Hazards and Nuisances

34. Will the project be affected by:

	Yes	No		Yes	No
Hazardous Street Conditions	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rail Crossing Hazards	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Dangerous Intersections	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Hazards in Vacant Lots	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inadequate Street Lighting	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Chemical Tank-car Terminals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sanitary Landfills or Mining Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Trucking Terminals	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Industrial Operations	<input type="checkbox"/>	<input type="checkbox"/>	Other Hazardous Chemical Storage	<input type="checkbox"/>	<input checked="" type="checkbox"/>
High Pressure Gas Transmission Lines	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Overhead Transmission Lines	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Hazardous Cargo Transportation Routes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Oil and Gas Wells	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Through Traffic Problems	<input checked="" type="checkbox"/>	<input type="checkbox"/>	ASTM Phase I Identified Hazards	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inadequate Screened Drainage Catchment Structures	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Children's Play Area Located near High Volume Traffic Ways	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Inadequate Separation of Pedestrian And Vehicle Traffic	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unscreened Quarries or Other Excavations	<input type="checkbox"/>	<input checked="" type="checkbox"/>

35. Will the project be affected by:

	Yes	No		Yes	No
Gas, Smoke, Fumes	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Unightly Land Uses	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Odors	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Front-lawn Parking	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Vibration	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Abandoned Vehicles	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Glare from Parking Areas	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Rodent and Vermin Problem	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Billboard Encroachment	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Industrial Nuisances	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Vacant/boarded up Buildings

Other _____

Section 11: Air Quality

36. Are there air pollution generators nearby which would adversely affect the site?

	Yes	No		Yes	No
Heavy industry	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Large parking facilities(1,000+)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Incinerators	<input type="checkbox"/>	<input checked="" type="checkbox"/>	≥ Six lanes of traffic	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Power generating plants	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Indoor black mold	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Oil refineries	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Lead	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Asbestos	<input type="checkbox"/>	<input checked="" type="checkbox"/>			

Section 12: Unique Natural Features and Areas

37. Is the project near natural features such as bluffs and cliffs? Yes No

38. Is the project near public or private scenic rivers or areas? Yes No

39. Are there natural resources visible on the site or in the vicinity? Yes No

Section 13: Additional Documentation

EXHIBIT 1

HISTORIC PRESERVATION

SECTION 106 REVIEW

OHIO STATE HISTORIC PRESERVATION 106 COORDINATION

TRIBAL 106 COORDINATION



In reply refer to:
2019-ALL-43988

March 7, 2019

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program
P.O. Box 590
Fremont, OH 43420

RE: Section 106 Review- Water Expansion from Westminster to Lafayette, Allen County

Dear Cindy Brookes:

This letter is in response to your correspondence, received February 11, 2019, regarding the proposed water expansion project in Allen County. 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.

The project includes the installation of approximately 40,730 linear feet of 12 inch waterline, 100 linear feet of 8 inch waterline, and a 200,000 gallon water tower. There are numerous inventoried buildings and archaeological sites near your project area; however, given that all work will be conducted within existing road right-of-way the project should have no effect to historic properties. No further coordination with this office is necessary, unless there is a change in the project or archaeological deposits or are discovered, in which case you should contact us.

If you have any questions, please contact me at tgrooms@ohiohistory.org. Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "Thomas Grooms".

Thomas Grooms, Archaeology Transportation Reviews Manager
State Historic Preservation Office

Serial No. 1077525



"Improving the quality of life in rural communities"

February 6, 2019

Ohio Historic Preservation Office
Attn: Mark Epstein
800 E. 17th Avenue
Columbus, OH 43211

RE: Water Expansion from Westminster to Lafayette, Allen Water District, Allen County, OH

Dear Mr. Epstein:

The Allen Water District, Ohio, are in the process of performing an environmental review pursuant to the National Environmental Policy Act for the USDA, Rural Utilities Service in order that it may assess the environmental impacts of the construction to install Water Expansion from Westminster to Lafayette, Allen Water District, Allen County, Ohio.

Enclosed is a Section 106 Review-Project Summary Form with attached U.S. Geological map(s) that depict the proposal's area of potential effect for all construction activities, photos and a description of the work involved.

Allen Water District request the assistance of your office in identifying historic properties that are listed or eligible for listing on the National Register of Historic Places and that may be affected by the project. Please provide any recommendations you may have to mitigate or avoid these impacts, to properties that may be affected.

We would appreciate a response within 30 days. If you need further information or wish to discuss the project please contact me at 419-332-2078 or cabrookes@glcap.org (please note the change).

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)



Tribal Directory Assessment Information



Contact Information for Tribes with Interests in Allen County, Ohio

Tribal Name				County Name			
- Delaware Nation, Oklahoma				Allen			
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Deborah Dotson	President	PO Box 825 Anadarko, OK 73005	(405) 247- 2448	(405) 247- 9393		ddotson@del awarenation.c om	www.delawar enation.com
Kimberly Penrod	Director of Cultural Resources & Section 106	PO Box 825 Anadarko, OK 73005	(405) 247- 8903	(405) 247- 9393		kpenrod@del awarenation.c om	www.delawar enation.com
- Eastern Shawnee Tribe of Oklahoma				Allen			
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Robin Dushane	THPO	PO Box 350 Seneca, MO 64865	(918) 666- 2435			RDushane@ estoo.net	www.estoo- nsn.gov
Glenna Wallace	Chief	PO Box 350 Seneca, MO 64865	(918) 666- 2435	(888) 971- 3905		chief@estoo. net	www.estoo- nsn.gov
- Little Traverse Bay Bands of Odawa Indians, Michigan				Allen			
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Wesley Andrews	THPO	7500 Odawa Circle Harbor Springs, MI 49740	(231) 670- 0713	(231) 242- 1416		wandrews@lt bbodawa- nsn.gov	www.ltbboda wa-nsn.gov
Regina Gasco-Bentley	Chairperson	7500 Odawa Circle Harbor Springs, MI 49740	(231) 242- 1401	(231) 242- 1411		chairman@ltb bodawa- nsn.gov	www.ltbboda wa-nsn.gov
- Miami Tribe of Oklahoma				Allen			

Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Douglas Lankford	Chief	PO Box 1326 Miami, OK 74355	(918) 542-1445	(918) 542-7260		dlinkford@miamination.com	http://www.miamination.com
Diane Hunter	THPO	PO Box 1326 Miami, OK 74355	(918) 542-1445	(918) 542-7260		dhunter@miamination.com	http://www.miamination.com
- Seneca-Cayuga Nation			Allen				
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
William Tarrant	THPO	PO Box 45322 Grove, OK 74345	(918) 787-5452 Ext. 342	(918) 787-9440		wtarrant@sctribe.com	http://www.sctribe.com/
William Fisher	Chief	PO Box 453220 Grove, OK 74345-3220	(918) 787-5452	(918) 542-5521		wfisher@sctribe.com	http://www.sctribe.com/
- Shawnee Tribe			Allen				
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Ron Sparkman	Chairman	29 South Highway 69A Miami, OK 74355	(918) 542-2441	(918) 542-2922		shawneetribe@Shawnee-Tribe.com	http://www.shawnee-tribe.com/
- Wyandotte Nation			Allen				
Contact Name	Title	Mailing Address	Work Phone	Fax Number	Cell Phone	Email Address	URL
Billy Friend	Chief	64700 E. Highway 60 Wyandotte, OK 74370	(918) 678-2297	(918) 678-2944		teads@wyandotte-nation.org	http://www.wyandotte-nation.org/
Sherri Clemons	THPO	64700 East Highway 60 Wyandotte, OK 74370	(918) 678-2297, ext. 244	(918) 678-2944		sclemons@wyandotte-nation.org	http://www.wyandotte-nation.org/

1 - 7 of 7 results

« < 1 > » 10 ▾



"Improving the quality of life in rural communities"

February 7, 2019

Delaware Nation, Oklahoma
Kimberly Penrod, Director of Cultural Resources & Section 106
P O Box 825
Anadarko, OK 73005

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, Ohio

Dear Ms. Penrod:

The Rural Utilities Service (RUS) is reaching out to the Delaware Nation, Oklahoma to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by the Delaware Nation, Oklahoma.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the Water Expansion from Westminster to Lafayette, project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

The APE for the referenced project consists of areas within Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio, as shown on the enclosed map. Additionally, the APE does not include any federal and/or tribal lands as defined pursuant to 36 CFR § 800.16(x).

RUS is notifying you about the referenced project because of the possible interest of the Delaware Nation, Oklahoma in Auglaize and Jackson Township and the Villages of Harrod and Lafayette, Allen County. Should the Delaware Nation, Oklahoma elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.

Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic

P O Box 590 • Fremont, OH 43420 • Phone 419.332.2078 • Fax 419.334.5125 • cabrookes@glcap.org • www.glracap.org

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properties which might be affected by the referenced project. RUS will respect the confidentiality of the information which you provide to the fullest extent possible.

Please submit your response, electronically within 30 days of your receipt of this initiation. RUS will proceed to the next step in the Section 106 review if you fail to provide a timely response. Should you have any questions or require additional information you may contact me at cabrookes@glcap.org or at 419.332.2078.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Project Description
Project Location Map
Site Photos



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February 7, 2019

Eastern Shawnee Tribe of Oklahoma
Brett Barnes, THPO
70500 E 128 RD
Wyandotte, OK 74370

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, Ohio

Dear Mr. Barnes:

The Rural Utilities Service (RUS) is reaching out to the Eastern Shawnee Tribe of Oklahoma to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by the Eastern Shawnee Tribe of Oklahoma.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the Water Expansion from Westminster to Lafayette, project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

The APE for the referenced project consists of areas within Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio, as shown on the enclosed map. Additionally, the APE does not include any federal and/or tribal lands as defined pursuant to 36 CFR § 800.16(x).

RUS is notifying you about the referenced project because of the possible interest of the Eastern Shawnee Tribe of Oklahoma in Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio. Should the Eastern Shawnee Tribe of Oklahoma elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.



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Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic properties which might be affected by the referenced project. RUS will respect the confidentiality of the information which you provide to the fullest extent possible.

Please submit your response, electronically within 30 days of your receipt of this initiation. RUS will proceed to the next step in the Section 106 review if you fail to provide a timely response. Should you have any questions or require additional information you may contact me at cabrookes@glcap.org or at 419.332.2078.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Project Description
Project Location Map
Site Photos

*Little Traverse Bay Bands of Odawa Indians
Tribal Historic Preservation & NAGPRA Office
7500 Odawa Circle
Harbor Springs, MI 49740*

Date: 2-27-19

Ohio RCAP
Great Lakes Community Action Partnership
127 S. Front Street
P. O. Box 590
Fremont, Ohio 43420

Re: **USDA Rural Development, Water Expansion from Westminster to Lafayette Allen Water District, Allen County, OH**

Aanii (Hello),

Under the authority of Section 106 of the National Historic Preservation Act of 1966, as amended, we have reviewed the above cited undertaking at the location noted above. Based on the information you provided in the notice of undertaking for the project it appears there will be “no effect on historic properties”. Therefore, the Little Traverse Bay Bands of Odawa Indians Tribal Historic Preservation Office is pleased to offer a finding of “**No known historic, traditional religious, and cultural significance properties that will be affected**” with two conditions. First, should the SHPO finding differ, the Tribe reserves the right to reconsider this opinion. Second, in the event that human remains or archaeological materials are exposed as a result of project activities work must halt and the Tribe must be included in any consultation regarding treatment and disposition of the find prior to removal.

This letter evidences the **Allen Water District USDA Rural Development (RUS)** compliance with 36 CFR 800.2(c)(2)(ii) “Consultation on historic properties of significance to Indian tribes and Native Hawaiian organizations” and the fulfillment of the **Allen Water District USDA Rural Development (RUS)** responsibility to notify THPO/SHPO, as a consulting party in Section 106 process.” **If the scope of work changes in any way, or if artifacts or bones are discovered, please notify SHPO/THPO office immediately.**

Your interest in protecting Ohio’s cultural and historic properties is appreciated. If you have any questions, please contact me at 231-242-1408 or by email at mwiatrolik@ltbbodawa-nsn.gov.

Miigwech (Thank you) for the opportunity to review and comment, and for your cooperation.

Melissa Wiatrolik
LTBB Deputy Tribal Historic Preservation Officer
NAGPRA/MACPRA Officer
231-242-1408



"Improving the quality of life in rural communities"

February 7, 2019

Little Traverse Bay Bands of Odawa Indians, Michigan
Wesley Andrews, THPO
7500 Odawa Circle
Harbor Springs, MI 49740

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, OH

Dear Mr. Andrews:

The Rural Utilities Service (RUS) is reaching out to the Little Traverse Bay Bands of Odawa Indians, Michigan to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by Little Traverse Bay Bands of Odawa Indians, Michigan.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the Water Expansion from Westminster to Lafayette, project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

The APE for the referenced project consists of portions of Auglaize and Jackson Townships & the Villages of Harrod and Lafayette, Allen County, Ohio, as shown on the enclosed map. Additionally, the APE does not include any federal and/or tribal lands as defined pursuant to 36 CFR § 800.16(x).

RUS is notifying you about the referenced project because of the possible interest of the Little Traverse Bay Bands of Odawa Indians, Michigan in Auglaize and Jackson Township & Villages of Harrod and Lafayette, Allen County, Ohio. Should the Little Traverse Bay Bands of Odawa Indians, Michigan elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.



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Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic properties which might be affected by the referenced project. RUS will respect the confidentiality of the information which you provide to the fullest extent possible.

Please submit your response, electronically within 30 days of your receipt of this initiation. RUS will proceed to the next step in the Section 106 review if you fail to provide a timely response. Should you have any questions or require additional information you may contact me at cabrookes@glcap.org or at 419.332.2078.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Project Description
Project Location Map
Site Photos



Miami Tribe of Oklahoma

3410 P St. NW, Miami, OK 74354 • P.O. Box 1326, Miami, OK 74355
Ph: (918) 541-1300 • Fax: (918) 542-7260
www.miamination.com



February 25, 2019

Cindy Brookes
Sr. Rural Development Specialist
Ohio RCAP
Great Lakes Community Action Partnership
127 S. Front Street
P. O. Box 590
Fremont, Ohio 43420

Re: Water Expansion from Westminster to Lafayette Allen Water District – Comments of the Miami Tribe of Oklahoma

Dear Ms. Brookes:

Aya, kikwehsitoole – I show you respect. My name is Diane Hunter, and I am the Tribal Historic Preservation Officer for the Federally Recognized Miami Tribe of Oklahoma. In this capacity, I am the Miami Tribe's point of contact for all Section 106 issues.

The Miami Tribe offers no objection to the above-mentioned project at this time, as we are not currently aware of existing documentation directly linking a specific Miami cultural or historic site to the project site. However, as this site is within the aboriginal homelands of the Miami Tribe, if any human remains or Native American cultural items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) or archaeological evidence is discovered during any phase of this project, the Miami Tribe requests immediate consultation with the entity of jurisdiction for the location of discovery. In such a case, please contact me at 918-541-8966 or by email at dhunter@miamination.com to initiate consultation.

The Miami Tribe accepts the invitation to serve as a consulting party to the proposed project. In my capacity as Tribal Historic Preservation Officer I am the point of contact for consultation.

Respectfully,

Diane Hunter
Tribal Historic Preservation Officer



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February 7, 2019

Miami Tribe of Oklahoma
Diane Hunter, THPO
P O Box 1326
Miami, OK 74355

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, Ohio

Dear Ms. Hunter:

The Rural Utilities Service (RUS) is reaching out to the Miami Tribe of Oklahoma to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by Miami Tribe of Oklahoma.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the , project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

The APE for the referenced project consists of portions of Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio, as shown on the enclosed map. Additionally, the APE does not include any federal and/or tribal lands as defined pursuant to 36 CFR § 800.16(x).

RUS is notifying you about the referenced project because of the possible interest of the Miami Tribe of Oklahoma in Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Allen County, Ohio. Should the Miami Tribe of Oklahoma elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.

Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic

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properties which might be affected by the referenced project. RUS will respect the confidentiality of the information which you provide to the fullest extent possible.

Please submit your response, electronically within 30 days of your receipt of this initiation. RUS will proceed to the next step in the Section 106 review if you fail to provide a timely response. Should you have any questions or require additional information you may contact me at cabrookes@glcap.org or at 419.332.2078.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Project Description
Project Location Map
Site Photos



"Improving the quality of life in rural communities"

February 7, 2019

Seneca-Cayuga Nation
William Tarrant, THPO
P O Box 45322
Grove, OK 74345

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, Ohio

Dear Mr. Tarrant:

The Rural Utilities Service (RUS) is reaching out to the Seneca-Cayuga Nation to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by Seneca-Cayuga Nation.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the Water Expansion from Westminster to Lafayette, project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

The APE for the referenced project consists of portions of Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio, as shown on the enclosed map. Additionally, the APE does not include any federal and/or tribal lands as defined pursuant to 36 CFR § 800.16(x).

RUS is notifying you about the referenced project because of the possible interest of the Seneca-Cayuga Nation in Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio. Should the Seneca-Cayuga Nation elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.

Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic

P O Box 590 • Fremont, OH 43420 • Phone 419.332.2078 • Fax 419.334.5125 • cabrookes@glcap.org • www.glrcap.org



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properties which might be affected by the referenced project. RUS will respect the confidentiality of the information which you provide to the fullest extent possible.

Please submit your response, electronically within 30 days of your receipt of this initiation. RUS will proceed to the next step in the Section 106 review if you fail to provide a timely response. Should you have any questions or require additional information you may contact me at cabrookes@glcap.org or at 419.332.2078.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Project Description
Project Location Map
Site Photos



"Improving the quality of life in rural communities"

February 7, 2019

Wyandotte Nation
Sherri Clemons, THPO
64700 East Highway 60
Wyandotte, OK 74370

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, Ohio

Dear Ms. Clemons:

The Rural Utilities Service (RUS) is reaching out to the Wyandotte Nation to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by Wyandotte Nation.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the Water Expansion from Westminster to Lafayette, project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

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RUS is notifying you about the referenced project because of the possible interest of the Wyandotte Nation in Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio. Should the Wyandotte Nation elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.

Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic

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properties which might be affected by the referenced project. RUS will respect the confidentiality of the information which you provide to the fullest extent possible.

Please submit your response, electronically within 30 days of your receipt of this initiation. RUS will proceed to the next step in the Section 106 review if you fail to provide a timely response. Should you have any questions or require additional information you may contact me at cabrookes@glcap.org or at 419.332.2078.

Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures: Project Description
Project Location Map
Site Photos



"Improving the quality of life in rural communities"

February 7, 2019

Shawnee Tribe
Ron Sparkman, Chair
29 South Highway 69A
Miami, OK 74355

RE: USDA Rural Development
Staff THPO Section 106 Initiation
Water Expansion from Westminster to Lafayette
Allen Water District, Allen County, Ohio

Dear Mr. Sparkman:

The Rural Utilities Service (RUS) is reaching out to the Shawnee Tribe to ensure we have input from all tribes known to have an interest in the Water Expansion from Westminster to Lafayette project, which occurs on lands controlled by Shawnee Tribe.

The Allen Water District plans to seek financial assistance from the USDA Rural Development (RUS) under its Water and Waste Disposal Program for the Project.

See attached for the project description.

If RUS elects to fund the Water Expansion from Westminster to Lafayette, project construction work, it will become an undertaking subject to review under Section 106 of the National Historic Preservation Act, 54 U.S.C. 306108 and its implementing regulations, 36 CFR Part 800.

RUS defines the area of potential effect (APE), as an area that includes all Project construction and excavation activity required to construct, modify, improve or maintain any facilities; any rights-of-way or easement areas necessary for construction, operation and maintenance of the Project; all areas used for excavation of borrow material and habitat creation; all construction staging areas, access routes, utilities, spoil areas, and stockpiling areas; and at least a one-half mile radius for the indirect APE for towers and other above ground resources that will cause a visual or otherwise indirect impact to historic districts or properties.

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RUS is notifying you about the referenced project because of the possible interest of the Shawnee Tribe in Auglaize and Jackson Townships and the Villages of Harrod and Lafayette, Allen County, Ohio. Should the Shawnee Tribe elect to participate in Section 106 review of the referenced project, please notify RUS (through the Rural Community Assistance Program) electronically within 30 days of your receipt of this initiation.

Please include with your affirmative response, a description of any specific historic properties or important tribal resources in the APE and your recommendations about the level of effort needed to identify additional historic

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Sincerely,

A handwritten signature in cursive script that reads "Cindy Brookes".

Cindy Brookes
Sr. Rural Development Specialist
Rural Community Assistance Program (RCAP)

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**OHIO HISTORIC PRESERVATION OFFICE:
RESOURCE PROTECTION & REVIEW
Section 106 Review- Project Summary Form**

SECTION I. GENERAL PROJECT INFORMATION

This information is: **NEW PROJECT SUBMITTAL**

- a. Project Name: **Water Expansion from Westminster to Lafayette**
- b. Project Address or Vicinity: From **Westminster** from near **Rudolph Foods** east on **Katrina Road** then south on **Cardinal Drive** then east on **Faulkner Rd.** to **Johnston Rd.** north then west on **Harrod Rd.** to the **Village of Harrod** and then north along **Napoleon Road** to the **Village of Lafayette**. Standpipe along **Napoleon Rd.** on the **Allen East Local School** property just north of **Harding Highway (S.R. 309)**.
- c. City/Township: **Auglaize and Jackson Township**
County: **Allen**
- d. Federal Agency and Contact Person: **USDA/Rural Development**
Scott Shaneyfelt, SEC
614/255-2414
- e. Type of Federal Assistance. **USDA Rural Utilities Services**
- f. State Agency and Contact Person: **NA**
- g. Type of State Assistance: **NA**
- h. Is this project being submitted solely under ORC 149.53? **No**
- i. Consultant and/or Applicant Contact Person: **Cindy Brookes**
Ohio RCAP
419/332.2078
- j. Consultant and/or Applicant Project Reference Number: **NA**

- k. Public Involvement- **The Allen Water Board hold monthly meeting open to the public and has regularly discussed this project. Additionally, the Village of Harrod held a town hall meeting on Monday, February 26, 2018 and a public meeting again on July 19, 2018 about this project. The overall response from the public was positive and residents were receptive to moving forward. Additional public meetings in both the Villages of Lafayette and Harrod are expected to occur in March 2019.**

l. Other consulting parties: **NA**

SECTION II. PROJECT DESCRIPTION AND AREA OF POTENTIAL EFFECTS (APE)

Project Location

- a. USGS Quad Map Name: **Harrod (Westminster and Harrod) and Beaverdam (Lafayette)**
- b. Township/City/Village Name: **Auglaize and Jackson Township, Allen County**

DOES THIS PROJECT INVOLVE ANY GROUND-DISTURBING ACTIVITY? Yes

- c. General description of width, length and depth of proposed ground disturbing activity:

See Attached Detailed Project Description

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

The proposed site is within a residential hamlet of Westminster in Sugar Creek Township, Allen County and work will occur within the road or street right of ways and across private property to connect to household or business to the water service. The 12" main will follow the road right of way along Faulkner Road to Johnston Road to Harrod Road to Napoleon Road. Water lines will be installed within the Village of Harrod and the Village of Lafayette within the street right-of-ways and on private property to connect the households and businesses to water service.

- e. Narrative description of current land use and conditions:

The 12" Main will be installed with the Right-of-Way of the roads listed above to deliver water to the Villages of Harrod and Lafayette. Within the Villages the lines will be installed within the street and/or street right-of-way of the Villages. The areas within the Villages have previously been disturbed during street, curb and sidewalk construction.

f. Does the landowner know of any archaeological resources found on the property?

There are 22 Archeological sites within the 1 mile radius of the proposed project area. Twenty-one (21) sites are within the Harrod Quad Map area and one site (1) within the Beaverdam Quad Map area.

g. Provide a local map indicating the location of the project site: **Attached**

h. Provide a detailed written description of the project.

See Attached Description

i. Area of Potential Effect: **Map is attached (Exhibit A)**

j. Written description of the APE: **The water line will be extended from just beyond Rudolph Foods east on Katrina Road in Westminster to Cardinal Drive south then east on Faulkner Road, north on Johnston Road and west on Harrod Road to the Village of Harrod. It will then head northwest on Napoleon Road past the Allen East Local Schools on to the Village of Lafayette.**

SECTION III. IDENTIFICATION OF HISTORIC PROPERTIES

a. Background Research- **An OHPO On-Line Records Search was conducted. Site visit was conducted. Photos obtained of project area.**

b. Field Survey- **See attached site photos of project area.**

c. Eligibility Evaluation- **NA**

d. Historic Properties Present in the APE: **An on-line records search indicates forty-two (42) Historic Structures within a one mile radius of the project area. (See attached documentation)**

e. Reporting Options: **OHPO On-Line Records Search and Site Visit.**

SECTION IV. SUPPORTING DOCUMENTATION

a. Provide photos of the entire project site: **Attached**

b. Provide current photos of all buildings/structures/sites: **Attached**

c. Project plans, specifications, site drawings and any other media presentation that conveys detailed information about your project and its potential to affect historic properties. **Attached**

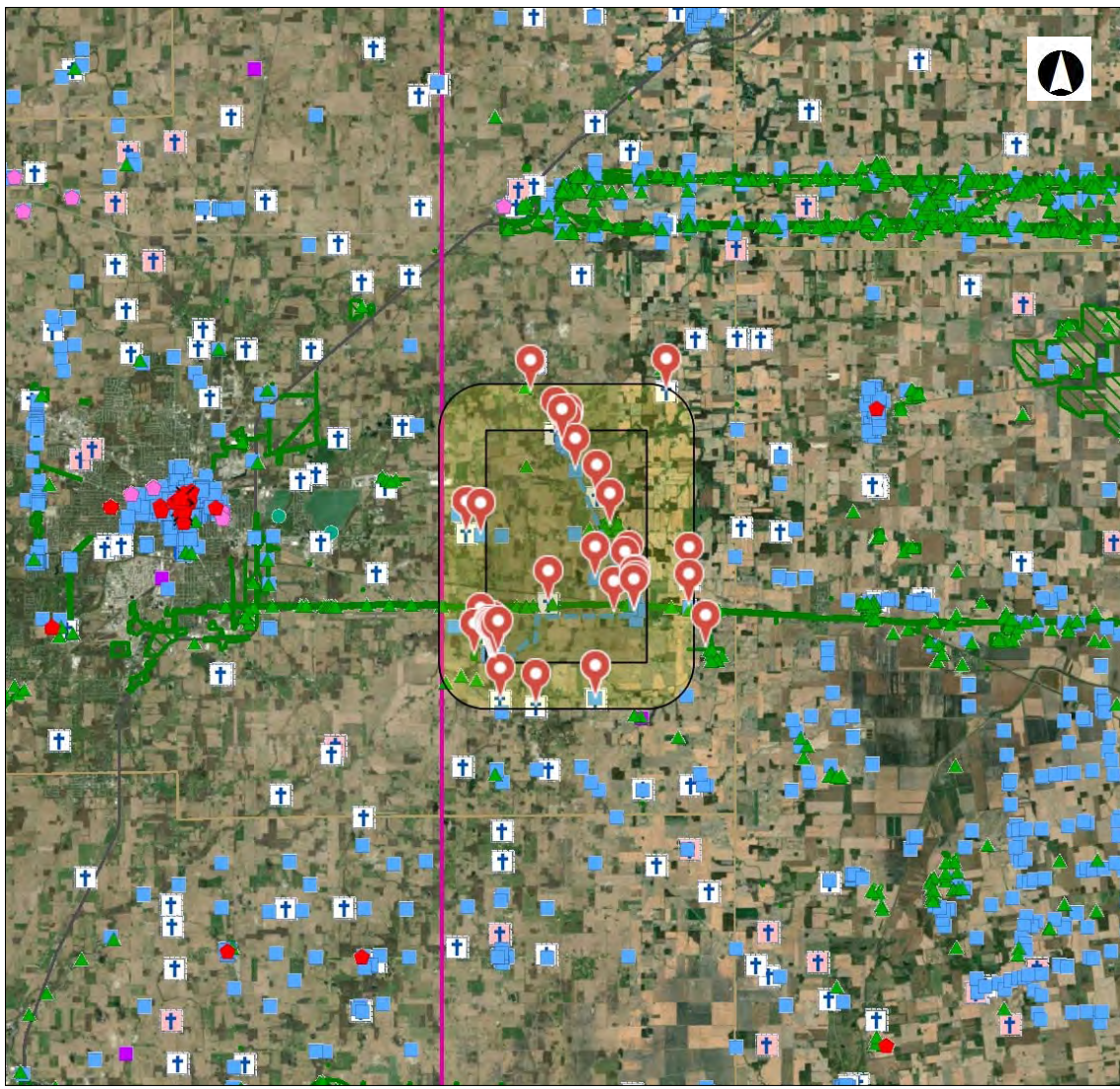
d. Copies or summaries of any comments provided by consulting parties or the public: **None**

SECTION V. DETERMINATION OF EFFECT

No historic properties will be affected based on [36 CFR § 800.4(d)(1)].
Please explain how you made this determination:

A determination has been made that the proposed project will not have an adverse effect on historic properties. The proposed project elements will occur on previously disturbed areas within road right-of-ways and previously disturbed land on individual private properties, no visual structural changes will be required. The immediate project area is a mixture residential and small business.

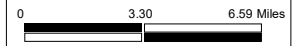
Should there be archeological items encountered, all work should cease and the Ohio Historical Preservation Office be immediately consulted.



Legend

NR Listings

- Listed
- National Historic Landmark
- ✕ Delisted
- NR Determinations of Eligibi
- ▲ Archaeological Sites
- Historic Structures
- Historic Bridges
- Historic Tax Credit Projects
- OGS Cemeteries
- + Confident
- + Not Confident
- Dams
- UTM Zone Split
- NR Boundaries
- OAI Site Boundaries
- Phase1
- Phase2



1: 261,099

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This map is a user generated static output from an Internet mapping site and is for general reference only. Data layers that appear on this map may or may not be accurate, current, or otherwise reliable. THIS MAP IS NOT TO BE USED FOR NAVIGATION.

Datum: [Datum]
 Projection: WGS_1984_Web_Mercator_Auxiliary_Sphere



geometry	OAI	NUMB	SITE NAME	QUAD	NAM	UTM	ZONE	UTM	EASTI	UTM	NORT	AFFILIATIO	UNKNOWN
X: -934411	AL0030		Harrod			17	251755	4513071	Prehistoric	Yes			
X: -934329	AL0145		Harrod			17	252376	4513148	Prehistoric	Yes			
X: -934296	AL0146		Harrod			17	252619	4512973	Historic	No			
X: -934294	AL0147		Harrod			17	252640	4513050	Prehistoric	Yes			
X: -934276	AL0148		Harrod			17	252772	4513031	Prehistoric	Yes			
X: -934336	AL0149		Harrod			17	252327	4513314	Historic	No			
X: -934342	AL0150		Harrod			17	252279	4513081	Prehistoric	No			
X: -934283	AL0151		Harrod			17	252730	4513220	Prehistoric	Yes			
X: -934698	AL0031		Beaverdam			17	249648	4515303	Prehistoric	Yes			
X: -935067	AL0226		Harrod			17	246598	4507974	Prehistoric	NO			
X: -934922	AL0227		Harrod			17	247701	4508034	Prehistoric	YES			
X: -934996	AL0230		Harrod			17	247145	4508174	Prehistoric	NO			
X: -935082	AL0213		Harrod			17	246572	4510597	Prehistoric	YES			
X: -934580	AL0220		Harrod			17	250382	4510533	Prehistoric	YES			
X: -934244	AL0221		Harrod			17	252935	4510407	Prehistoric	YES			
X: -934038	AL0222		Harrod			17	254495	4510287	Prehistoric	YES			
X: -934742	AL0215		Harrod			17	249151	4510503	Prehistoric	NO			
X: -934703	AL0216		Harrod			17	249445	4510520	Prehistoric	YES			
X: -933957	AL0223		Harrod			17	255106	4510199	Prehistoric	NO			
X: -934953	AL0214		Harrod			17	247545	4510540	Prehistoric	YES			
X: -934696	AL0218		Harrod			17	249500	4510495	Prehistoric	YES			
X: -934668	AL0219		Harrod			17	249712	4510514	Prehistoric	YES			
X: -934699	AL0217		Harrod			17	249474	4510467	Prehistoric	NO			

PALEOLITH UNKNOWN EARLY ARCH MIDDLE ARCH LATE ARCH UNKNOWN EARLY WOOD MIDDLE WOOD LATE WOOD

No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No
No	No	No	No	Yes	No	No	No	No
No	No	No	No	No	No	No	No	No
No	No	No	No	No	No	No	No	No
NO	NO	YES	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	YES	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	YES	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	YES	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
NO	NO	NO	NO	NO	NO	NO	NO	NO
YES	NO	NO	NO	NO	NO	NO	NO	NO

LATE PREHI	PROTOHIST	OTHER TEN	HISTORIC A	SETTING	CAMP	VILLAGE	HAMLET	HABITATIO
No	No			Open Site	No	No	No	No
No	No			Open Site	No	No	No	No
No	No		Non-Aborig	Open Site	No	No	No	No
No	No			Open Site	No	No	No	No
No	No			Open Site	No	No	No	No
No	No		Non-Aborig	Open Site	No	No	No	No
No	No			Open Site	No	No	No	No
No	No		Non-Aborig	Open Site	No	No	No	No
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO			Open	NO	NO	NO	NO
NO	NO	Late Paleoindian		Open	NO	NO	NO	NO

CEMETERY	BURIAL	PETROGLYF	TYPE UNKN	OTHE COUNTY	SITE AREA
No	No	No	Yes	Allen	
No	No	No	Yes	Allen	1
No	No	No	No	Allen	2900
No	No	No	Yes	Allen	1
No	No	No	Yes	Allen	870
No	No	No	No	Allen	580
No	No	No	Yes	Allen	1160
No	No	No	Yes	Allen	1
No	No	No	Yes	Allen	1800
NO	NO	NO	YES	Allen	1
NO	NO	NO	NO	Allen	1
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	115
NO	NO	NO	YES	Allen	15
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	15
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	1
NO	NO	NO	YES	Allen	1

geometry	OHI NUMB	UTM ZONE	UTM EASTI	UTM NORT	PRESENT N	OTHER NA	ADDRESS	PLACE NAM
X: -934867	ALL002731	17	248151	4508932	Terry Road	Methodist	6623 Bellef	Westminste
X: -934857	ALL002741	17	248217	4508800	Charles Billings		6677 Bellef	Westminste
X: -934862	ALL002751	17	248183	4508778	Zimmerma JM	Walcott	6682 Bellef	Westminste
X: -934855	ALL002761	17	248236	4508771	Creps & Loy	Grocery	6705 Bellef	Westminste
X: -934863	ALL002771	17	248177	4508790	Gladys Hari JM	Walcott	6674 Bellef	Westminste
X: -934859	ALL002781	17	248208	4508818	JD Dingle	dine House	6667 Bellef	Westminste
X: -934864	ALL002791	17	248168	4508808	TJ Silone Jr		6654 Bellef	Westminste
X: -934865	ALL002801	17	248156	4508829	Johnson Hc	Aston Hous	6658 Bellef	Westminste
X: -934867	ALL002811	17	248147	4508845	Rod Heffne	Bowyer Ho	6650 Bellef	Westminste
X: -934860	ALL002821	17	248198	4508838	Ray Speakn	JN Smith	6659 Bellef	Westminste
X: -934854	ALL002831	17	248244	4508755	William Hill	John Steve	6711 Bellef	Westminste
X: -934851	ALL002841	17	248264	4508773		Wool Weig	6640 Faulk	Westminste
X: -934847	ALL002851	17	248298	4508789	United Methodist	Chur	6666 Faulk	Westminste
X: -934839	ALL002861	17	248350	4508727	Alma Stevenson	House	3360 Carey	Westminste
X: -934826	ALL002871	17	248460	4508890	Christian Cl	Crep's Chur	6845 Faulk	Westminste
X: -934249	ALL002881	17	252914	4511113	Shady Maply	Acres	1815 Napo	Harrod
X: -934202	ALL002891	17	253254	4510493	Melvin M Miller	House	220 N Mair	Harrod
X: -934207	ALL002901	17	253213	4510454	Maxie Pres Dr	Johnson	100 2nd St	Harrod
X: -934208	ALL002911	17	253201	4510193	Walter Gar	Harrod Stal	100 S Main	Harrod
X: -934201	ALL002921	17	253251	4510269	Paul Winegardner	Hou	120 N Mair	Harrod
X: -934209	ALL002931	17	253190	4510162	Harrod Mu	United Bre	120 S Main	Harrod
X: -934508	ALL004321	17	251114	4515983	Lafayette B	Jackson To	SEC Sugar	S Lafayette (c
X: -934513	ALL004331	17	251075	4515980	Carol's Craf	IOOF Lodge	SWC Sugar	Lafayette (c
X: -934533	ALL004341	17	250925	4515975	James W & William	W	203 W Sug	Lafayette (c
X: -934508	ALL004351	17	251115	4516093	US Post Off	J Urich Resi	116 N High	Lafayette (c
X: -934513	ALL004361	17	251070	4515871	Hacks Auct	Lafayette M	120 S High	Lafayette (c
X: -934475	ALL004371	17	251332	4515067	Loren Alth	Lemuel Eve	815 N Nap	Jackson (Tc
X: -934536	ALL004381	17	250906	4516083	Lafayette C	Lafayette C	201 W Mai	Lafayette (c
X: -934384	ALL004691	17	251760	4507238	Auglaize United	Brethe Faulkner	Rc Auglaize	(Tc
X: -934385	ALL004711	17	251889	4511324	District No 5	School	1455 Philli	Auglaize (Tc
X: -933959	ALL004731	17	255091	4510278	Whitaker H	Williams W	2291 Lawr	Auglaize (Tc
X: -934906	ALL004741	17	247992	4512960	Kevin McCl	Amos Hefn	6420 Hardi	Auglaize (Tc
X: -934902	ALL004751	17	248016	4512961	Merl McCl	GL Snyder I	6440 Hardi	Auglaize (Tc
X: -934810	ALL004761	17	248714	4512928	Auglaize Fr	Auglaize	24 7036 Gardi	Auglaize (Tc
X: -934480	ALL004771	17	251219	4512911	Luther & P	Mark Gurtc	8440 Hardi	Auglaize (Tc
X: -934966	ALL004781	17	247427	4509875	Homer Lott	Fetter Hou	4301 Bellef	Auglaize (Tc
X: -934201	ALL002941	17	253238	4509895	Harrod United	Church	273 S Main	Harrod
X: -934186	ALL002951	17	253369	4510229	Harrod United	Method	100 N Oak	Harrod
X: -934224	ALL002961	17	253076	4510251	Winegardn	Old Metho	101 N Walr	Harrod
X: -934659	ALL007081	17	249700	4508128	Furrow Pro	William Brc	7676 Faulk	Auglaize (Tc
X: -935008	ALL007111	17	247238	4513718	Davis Resid	Isaac Hefne	250 S Cool	Jackson (Tc
X: -935028	ALL007121	17	246955	4509851	Smith Barn	William Faz	5855 Bellef	Perry (Tow

ARCHITECT	ARCHITECT	HISTORIC U	HISTORIC U	ACTIVITY 1	DATE 1	COUNTY
er				Original Co	1860	Allen
Vernacular		Hotel/Inn/Motel		Original Co	1870	Allen
er				Original Co	1890	Allen
er				Original Co	1880	Allen
er						Allen
Vernacular		Residential Domestic		Original Co	1880	Allen
Vernacular		Residential Domestic		Original Co	1880	Allen
Vernacular		Residential Domestic		Original Co	1880	Allen
Vernacular		Multiple Dwelling		Original Co	1870	Allen
Vernacular		Residential Domestic		Original Co	1860	Allen
Vernacular		Residential Domestic		Original Co	1900	Allen
Italianate	Dominant Style			Original Co	1880	Allen
er					1899	Allen
er				Original Co	1875	Allen
er						Allen
Italianate	High Style	Residential Domestic			1880	Allen
Vernacular	Dominant	Residential Domestic	Original Co		1890	Allen
Vernacular	Dominant	Single Dwelling	Original Co		1890	Allen
Neo-Classic	Dominant	Financial Institution	Original Co		1906	Allen
Vernacular	Dominant	Single Dwelling	Original Co		1900	Allen
Gothic Revi	Element Pr	Church/Religious Struc	Original Co		1880	Allen
High Victor	High Style	Village/Twp/City Hall	Original Co		1899	Allen
Italianate	Dominant	Fraternal/P Meeting H	Original Co		1901	Allen
orporate and RR name	Single Dwelling		Original Co		1877	Allen
Greek Revi	Dominant	Residential Domestic	Original Co		1860	Allen
orporate and RR name	Club		Original Co		1900	Allen
Italianate	High Style		Original Co		1875	Allen
orporate and RR name	Church/Religious Struc		Original Co		1902	Allen
Gothic Revi	Dominant Style		Original Co		1880	Allen
Vernacular	Dominant	One Room Schoolhous	Original Co		1897	Allen
Italianate	High Style	Residential Barn	Original Co		1884	Allen
Italianate	High Style	Residential Agricultura	Original Co		1880	Allen
Italianate	High Style	Residential Domestic	Original Co		1876	Allen
Vernacular	Dominant	Grange Hal School	Original Co		1880	Allen
Italianate	High Style	Residential Domestic	Original Co		1880	Allen
Italianate	High Style	Residential Barn	Original Co		1863	Allen
Greek Revi	Dominant	Church/Religious Struc	Original Co		1905	Allen
Greek Revi	Dominant	Church/Religious Structure			1914	Allen
Vernacular	Dominant	Church/Religious Struc	Original Co		1900	Allen
Greek Revi	Element	Single Dwelling	Original/M	ca. 1850		Allen
Greek Revi	Dominant	Single Dwe Carriage Hc	Original/M		1855	Allen
No academ	None	Barn	Single Dwe	Original/M	ca. 1880	Allen

geometry	OGSID	CEMETERY	CITY/TOWN	COUNTY	LOCATION	TOWNSHIP	SECTION	LOCATION :
X: -933959	144	RIDGE	Auglaize	Allen	Southeast c	T4S:R8E	S12	
X: -934232	141	HARROD	Auglaize	Allen	North side	T4S:R8E	S3	
X: -934816	147	SMITH	Auglaize	Allen	West side c	T4S:R8E	S19	
X: -934970	164	BETHLEHEN	Jackson	Allen	North side	T3S:R8E	S31	
X: -934598	142	HULLIBARG	Auglaize	Allen	East side of	T4S:R8E	S9	
X: -934566	170	LAFAYETTE	Jackson	Allen	At northwe	T3S:R8E	S21	
X: -934383	139	AUGLAIZE	Auglaize	Allen	On east sid	T4S:R8E	S22	
X: -934378	168	FISHER	Jackson	Allen	On east sid	T3S:R8E	S34	
X: -934851	148	WESTMINS	Auglaize	Allen	At Katrina	T4S:R8E	S18	

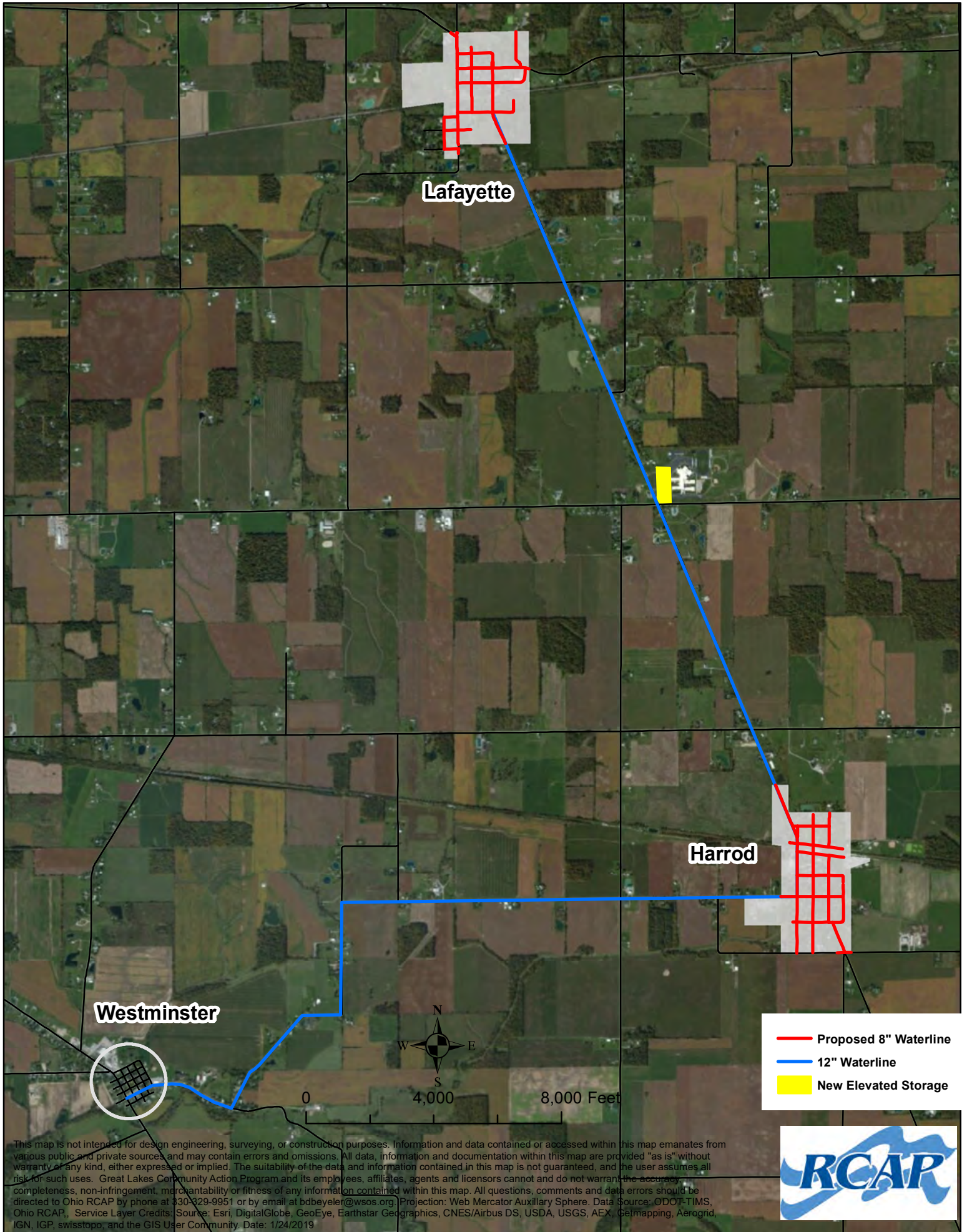
NUMBER O COMMENT UTM ZONE UTM EASTI UTM NORT Location Confidence

17		255120	4511193	Yes
17		253050	4511316	Yes
17		248478	4507259	Yes
17		247502	4513035	Yes
17		250246	4510546	Yes
17		250684	4516367	Yes
17		251767	4507219	Yes
17		252040	4514130	Yes
17		248272	4509063	Yes

geometry	NADB	LOG	OHPOID	ACRES	AREAS	COUNTY	PHASE	ADDREF
Geocortex.	14771	981842		42.2182		1 AL		1 0
Geocortex.	16663	100054		59.9998		1 AL		1
Geocortex.	17013	1005313		0.232705		1 AL		1
Geocortex.	17910	1021459	3508	0.231862		1 AL		1
Geocortex.	18353	1032036		5.64829		1 AL		1
Geocortex.	19798	1056976	30518	0.2		1 AL		1
Geocortex.	20184	1063327	35074	2277.2		1 AL		1

TITLE	AUTHOR1	AUTHOR2	SENTFROM	YEARS	DRAWERS
Phase I Culi	Wilson, Jan	Christophe	BHE Enviro	2000	Allen
Phase I Culi	Brown, Joel		EMH&T, Inc	2005	Allen
Phase I Culi	Keener, Craig S.		Professiona	2006	Allen
Lafayette N	Meyer, Elaine		EMH&T, Inc	2008	Allen
Phase I Culi	Haywood, Norman A.		Haywood A	2010	Allen
Phase I Arc	Meyer, Elai	Joel Brown	EMH&T, Inc	2015	Allen
Phase I Culi	Wellspring, et al		AECOM	2016	Allen

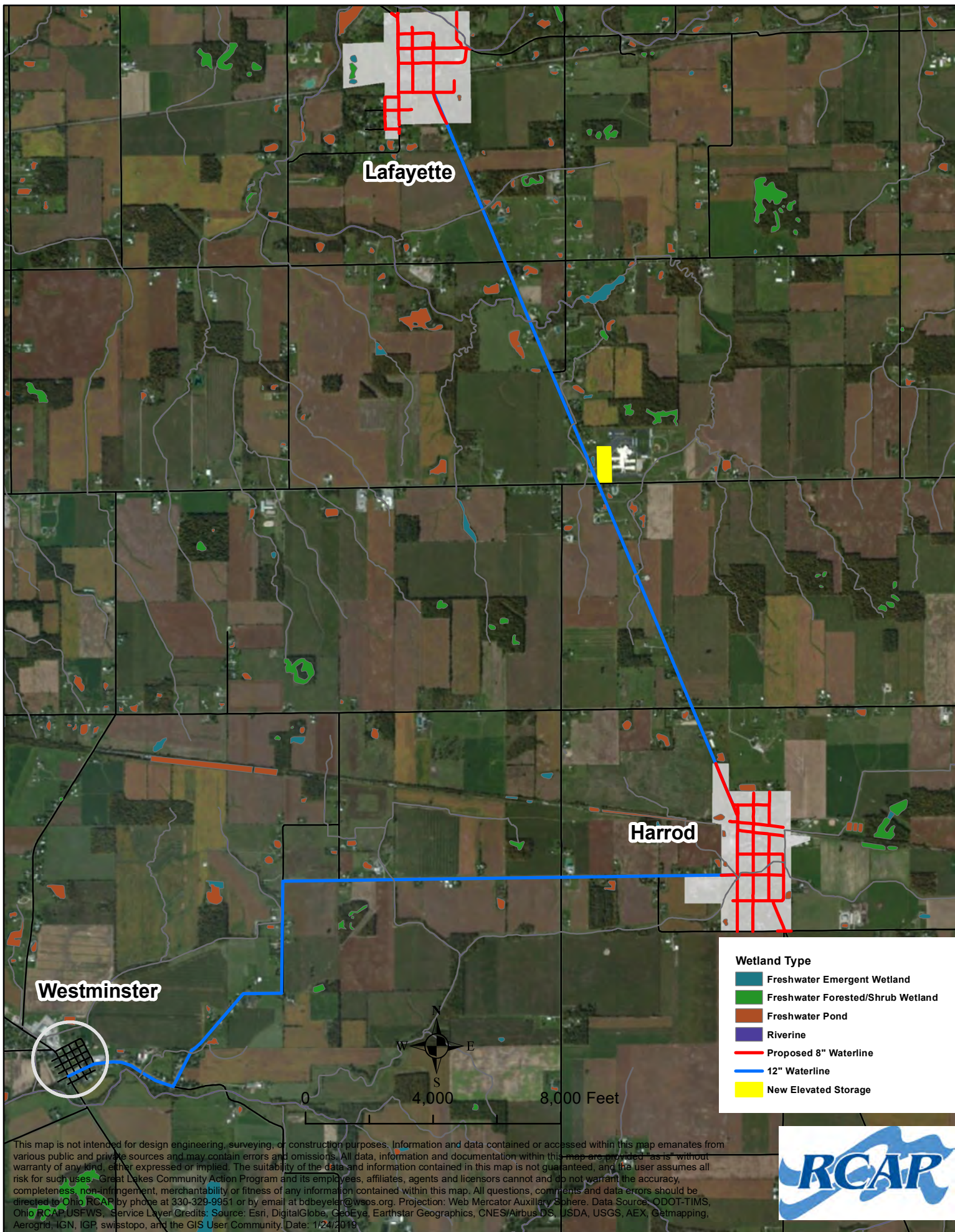
Proposed Allen County Water - Westminster to Lafayette










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Proposed Allen County Water - Westminster to Lafayette: USFWS Wetlands

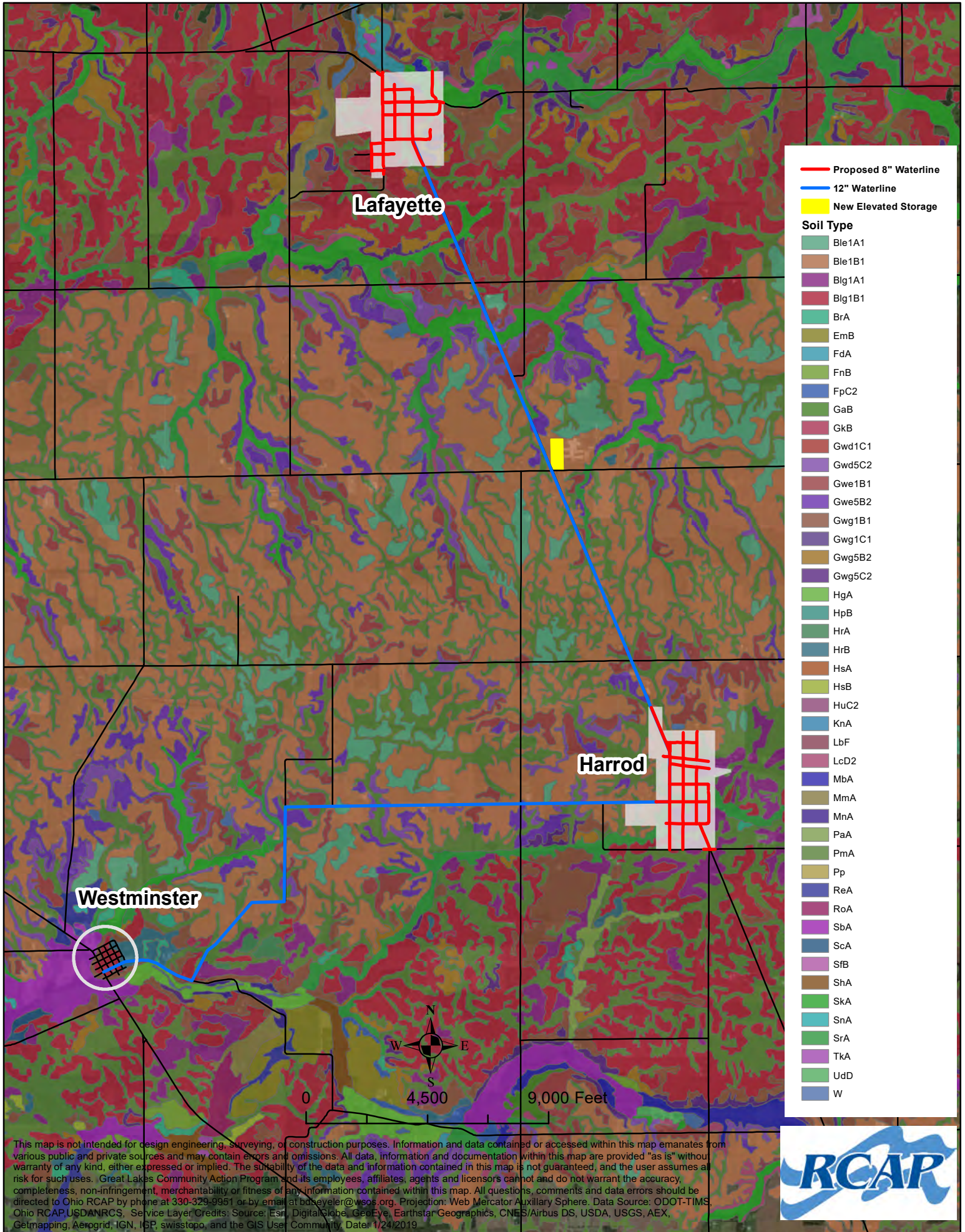


Wetland Type	
	Freshwater Emergent Wetland
	Freshwater Forested/Shrub Wetland
	Freshwater Pond
	Riverine
	Proposed 8" Waterline
	12" Waterline
	New Elevated Storage

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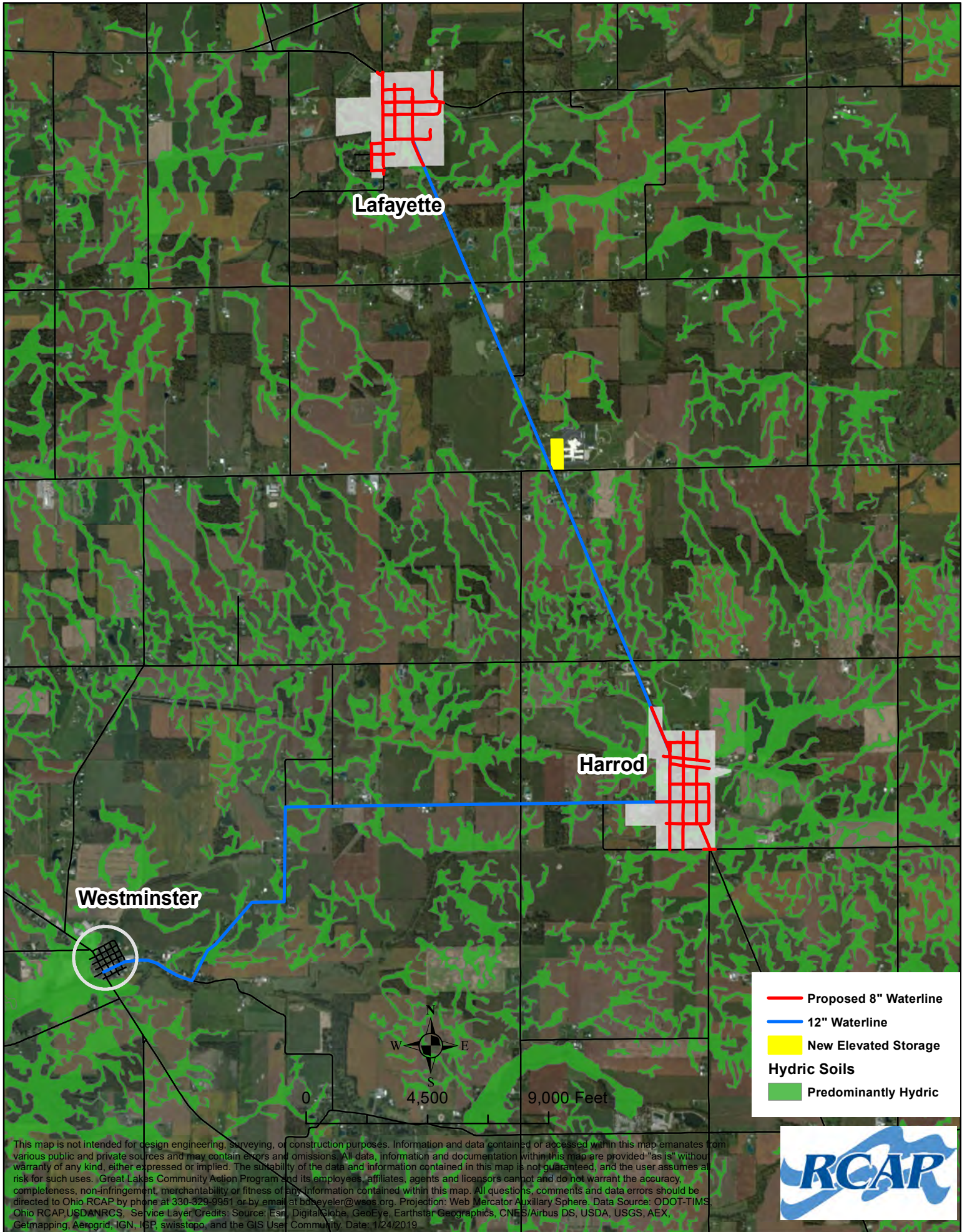
Proposed Allen County Water - Westminster to Lafayette: USDA-NRCS Soils



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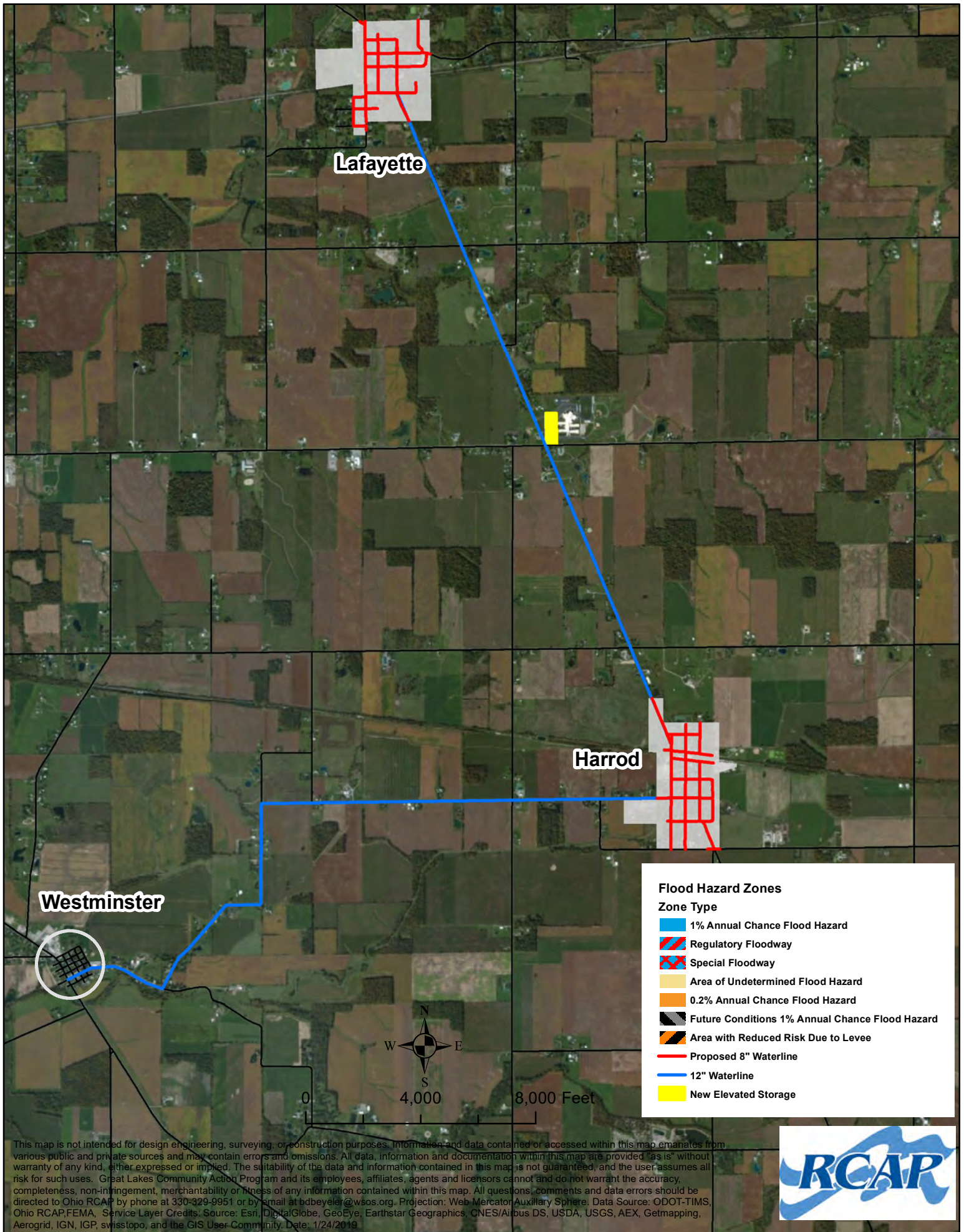
Proposed Allen County Water - Westminster to Lafayette: USDA-NRCS Hydric Soils



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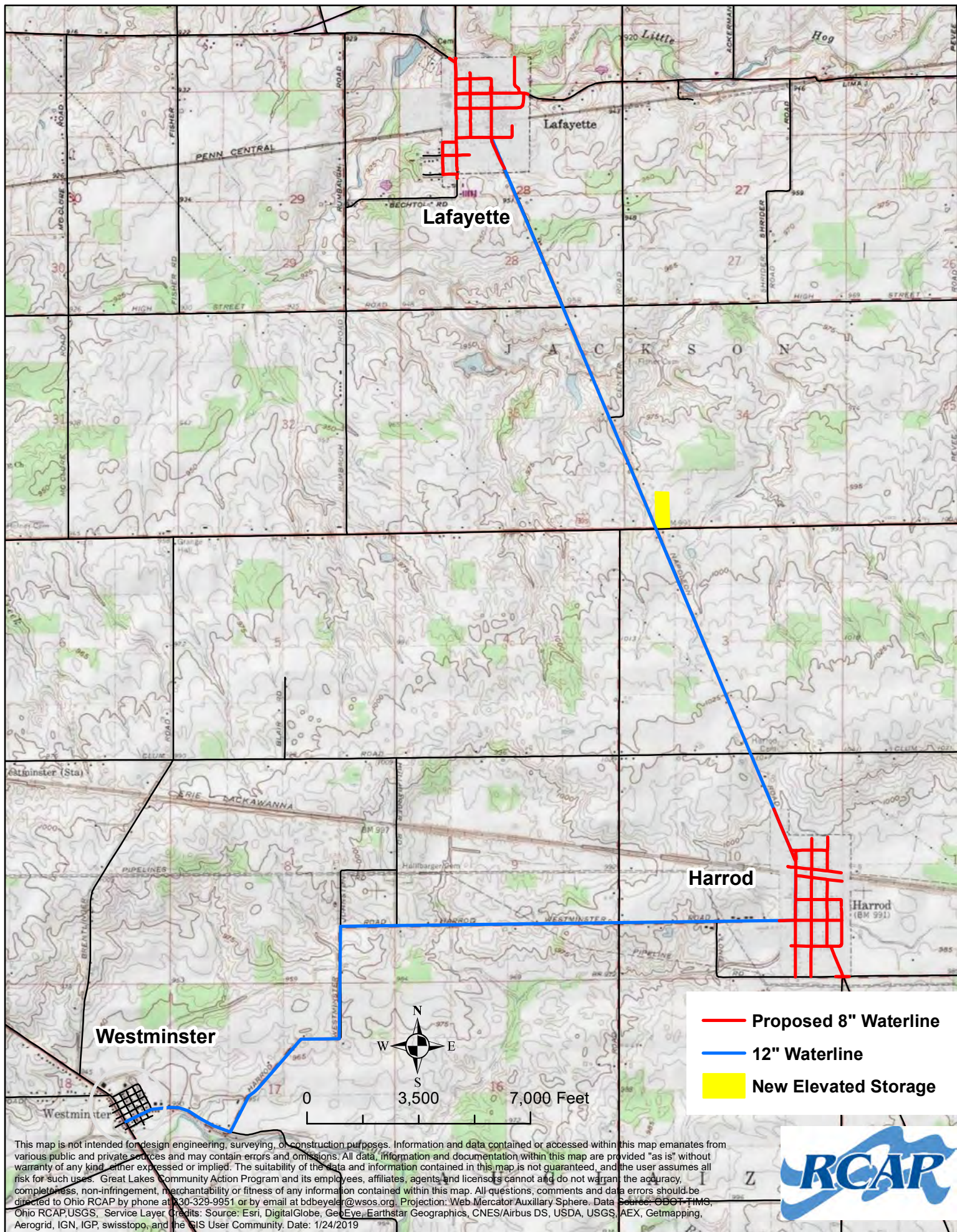
Proposed Allen County Water - Westminster to Lafayette: FEMA Floodplains



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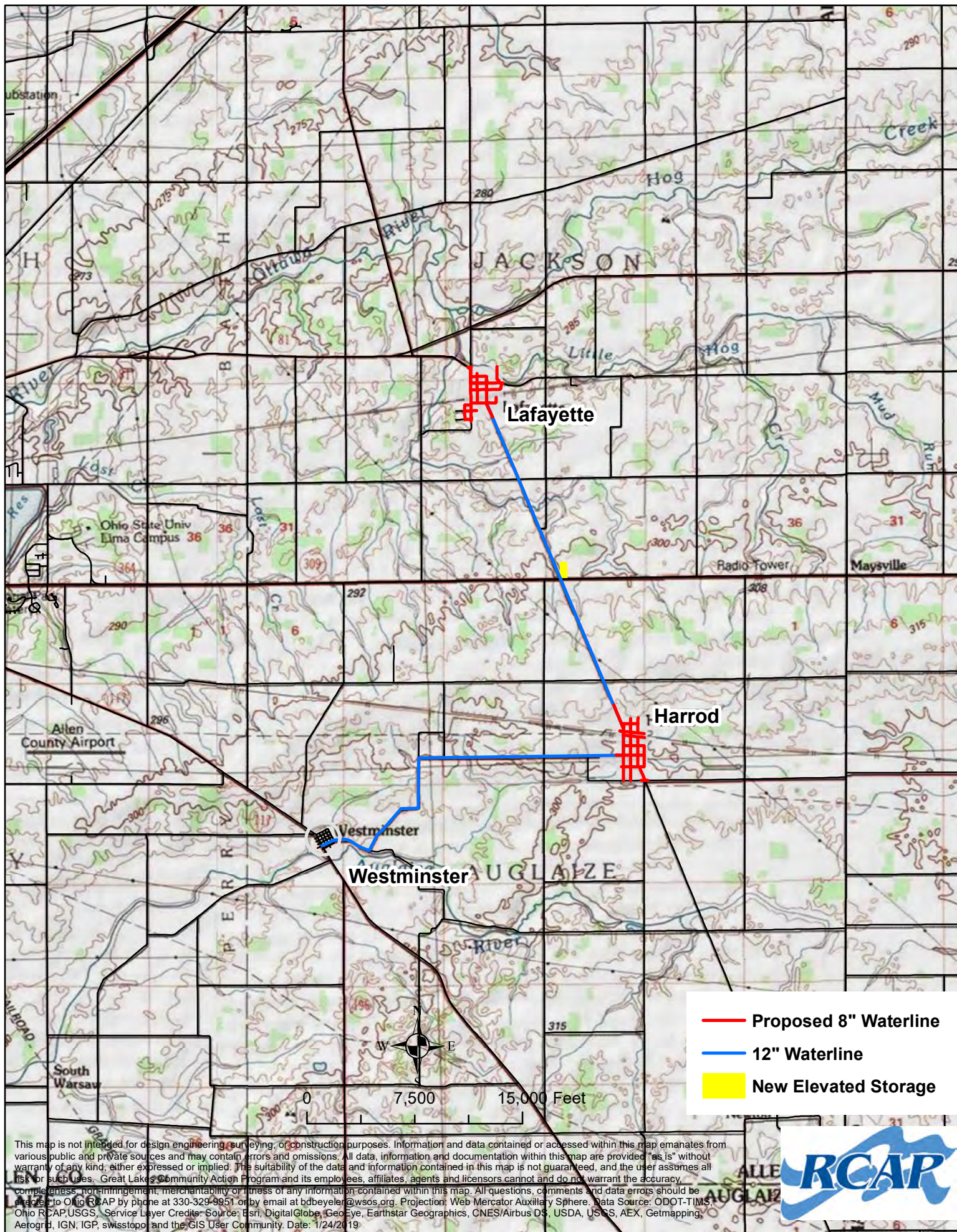
Proposed Allen County Water - Westminster to Lafayette



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Proposed Allen County Water - Westminster to Lafayette



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PROJECT DESCRIPTION

The Allen Water District is proposing a Waterline Expansion from Westminster to provide water and fire service to the Villages of Lafayette and Harrod as well as Allen East Local Schools. The project would begin in Westminster at the existing Allen Water District 12-inch water line near Rudolph Foods and extend the 12-inch water line east on Katrina Road, south on Cardinal Drive, east on Faulkner Road, north on Johnston Road and west on Harrod Road to where it would provide service to the Village of Harrod. The 12-inch water line would then extend northwest along Napoleon Road to where it would provide service to the Village of Lafayette. It proposes to include a water storage tank that would serve the Villages of Lafayette and Harrod and possibly Westminster in the future. The proposed location of this tank is on the Allen East Local School property near Napoleon Road. The proposed project would operate on the existing City of Lima high-pressure zone (1,120-foot hydraulic grade line) and would not require a booster pump station. The tank would be served by the existing St. Johns Road booster pump station which has adequate capacity (over 3 million gallons per day) to serve Westminster, Lafayette and Harrod.

The proposed project would serve 384 equivalent water users within the corporate limits of Lafayette and Harrod and the Allen East Local Schools. This total includes 44 equivalent water users from the Allen East Local Schools. The proposed water distribution system from Harrod and Lafayette would consist of 8-inch and 12-inch water lines installed by open cut, HDD, and jack and bore methods.

There are approximately 124 private homes and 7 other potential customers along the alignment that could possibly tie in to the proposed 12-inch water line if there was interest from the respective owners. A church and fire department along the alignment in Westminster; a church and used appliance store are along the alignment on Harrod Road; a veterinary clinic is along Napoleon Road north of Harrod; and an auto sales store and a restaurant are near the intersection of Napoleon Road and State Route 309.

The project proposed would consist of approximately 40,275 linear feet of 12-inch PVS, 50 linear feet of 12-inch PVC waterline installed by Jack and Bore under the railroad (1 crossing), 100 linear feet of 8-inch water line installed by Jack and Bore under the railroad (2 crossings), 505 linear feet of 12-inch HDPE water line installed by Horizontal Directional Drilling (HDD) under streams, The project will include a 200,000 gallon Standpipe proposed to be constructed south of the Village of Lafayette on the Allen East Local School property along Napoleon Road and north of State Route 309.

Within the Village of Harrod and Lafayette the following is proposed, 14,110 linear feet and 14,250 linear feet, respectfully, of 8-inch PVC or HDPE waterlines installed by open cut and HDD.

Also proposed is the inclusion of one hundred forty-one (141) hydrants, twenty-four (24) 12-inch valves and one hundred twenty-three (123) 8-inch valves.

EXHIBIT 2

FLOODPLAIN MANAGEMENT

**8-STEP DECISION MAKING PROCESS FOR PROJECTS IN THE FLOODPLAIN
Compliance with Executive Order 11988 (Floodplain Management)**

**LAFAYETTE WATER LINE EXTENSION PROJECT
(Allen East Regional Waterline)
Village of Lafayette, Allen County, Ohio**

Step 1 – Determination

A portion of the Water Line Extension project construction zone within the Village of Lafayette is located within a floodplain. The area is within the Federal Emergency Management (FEMA) Flood Insurance Rate Map Panel No. 39003C02550E.

Step 2 – Early Public Review

On November 27, 2020, a public notice with a 15-day comment period was published in the Lima News, a copy of which is attached.

Step 3 – Alternatives

Five alternatives were considered for the project including 1) State Route 309 Alignment 2) Westminster North and Clum Road Alignment and 3) Westminster East and Harrod Road Alignment. Also considered, were two alternatives that do not include receiving municipal water from the Lima City PWS including 4) Lafayette Road and Village of Ada Water Treatment Plant (WTP) , and 5) Construction of an AWD Water Treatment Plant in Eastern Allen County.

However, all five alternatives would require work in the 100-year floodplain in the Village of Lafayette. The chosen alternative pipeline alignment was the more cost effective option than the other alternatives due to less 12-inch pipe installation, shorter HDD distances, no new water treatment system construction, and no new booster pump station required.

To relocate the water line outside of the floodplain would not be feasible due to the length of water line extension around the area that would be required. Reducing the scope of the project to avoid work inside the floodplain would result in the distribution system not meeting all residential areas.

Under a no-action alternative, the Village of Lafayette would continue to have no reliable source of fire protection for their homes and commercial buildings. Groundwater quality issues, which include arsenic, iron, total coliform bacteria and total dissolved solids, would remain the same and each home and business would continue to operate and maintain their own chemical treatment system.

Step 4 – Impacts of Proposed Actions

The proposed project will not have long-term negative impacts to the environment and floodplain as all water lines will be placed underground. Following installation all impacted areas will be restored back to pre-project or better condition. All impacted areas will be seeded with native, non-invasive species. There will be no floodplain conversion or impact to flood flow following completion of the project. Since the water lines will be buried, the project will not lead to any significant increase in impermeable cover and shall have no negative impacts on the floodplain. The project will benefit the health, safety and welfare of residents of the project area.

Step 5 – Design or Modify the Proposed Action

The proposed project will incur only minimal or no impact on the floodplain area. Prior to work in the floodplain, a floodplain development permit will be obtained and conditions of the permit followed to minimize negative impacts. In addition, best management practices will be followed to protect natural features that serve to maintain infiltration. The project will not cause any significant increases in impermeable cover, and shall not have negative impacts as the water lines

8-STEP DECISION MAKING PROCESS FOR PROJECTS IN THE FLOODPLAIN Compliance with Executive Order 11988 (Floodplain Management)

will all be subsurface. The Little Hog Creek water line crossing will be horizontally directional drilled to protect the stream channel and riparian area. Following construction in the floodplain, all impacted areas will be seeded with native, non-invasive species.

Step 6 – Reevaluate the Alternatives

The proposed project alignment was selected in order to make public water and fire protection available to all residents in the Village of Lafayette project area. All project alternatives evaluated would result in similar impact to the floodplain. Revising the alignment to be outside of the floodplain is not feasible, and reducing the scope or taking no action would result in some or all residents continuing to rely on often inadequate private supplies and have no reliable source of water for fire protection.

Step 7 – Notice of Proposed Activity in a 100-Year Floodplain

On December 29, 2020 a public notice with a 7-day comment period was placed in the Lima News. A copy of the public notice is attached

Step 8 – Implement Action

The action will be implemented when all applicable notices have been published and comments received and responded to as needed. The Engineering contractor, and Allen County will take an active role in monitoring the construction process to ensure no unnecessary impacts to floodplains occur.

National Flood Hazard Layer FIRMette

83°57'9"W 40°45'50"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS

- Without Base Flood Elevation (BFE)
Zone A, V, A99
- With BFE or Depth
Zone AE, AO, AH, VE, AR
- Regulatory Floodway

0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile
Zone X

Future Conditions 1% Annual Chance Flood Hazard
Zone X

Area with Reduced Flood Risk due to Levee. See Notes.
Zone X

Area with Flood Risk due to Levee
Zone D

OTHER AREAS OF FLOOD HAZARD

OTHER AREAS

- NO SCREEN
- Area of Minimal Flood Hazard
Zone X
- Effective LOMRs
- Area of Undetermined Flood Hazard
Zone D

GENERAL STRUCTURES

- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

Cross Sections with 1% Annual Chance Water Surface Elevation

- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study

OTHER FEATURES

- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS

- Digital Data Available
- No Digital Data Available
- Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards.

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **11/13/2020 at 3:28 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

USGS The National Map: Orthoimagery. Data refreshed October, 2020.



83°56'31"W 40°45'23"N



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' 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 (FIPS zone 3401). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM 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, NNGS12
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 digital orthophotography provided by the Ohio Statewide Imagery Program. This information was created from photography dated 2006.

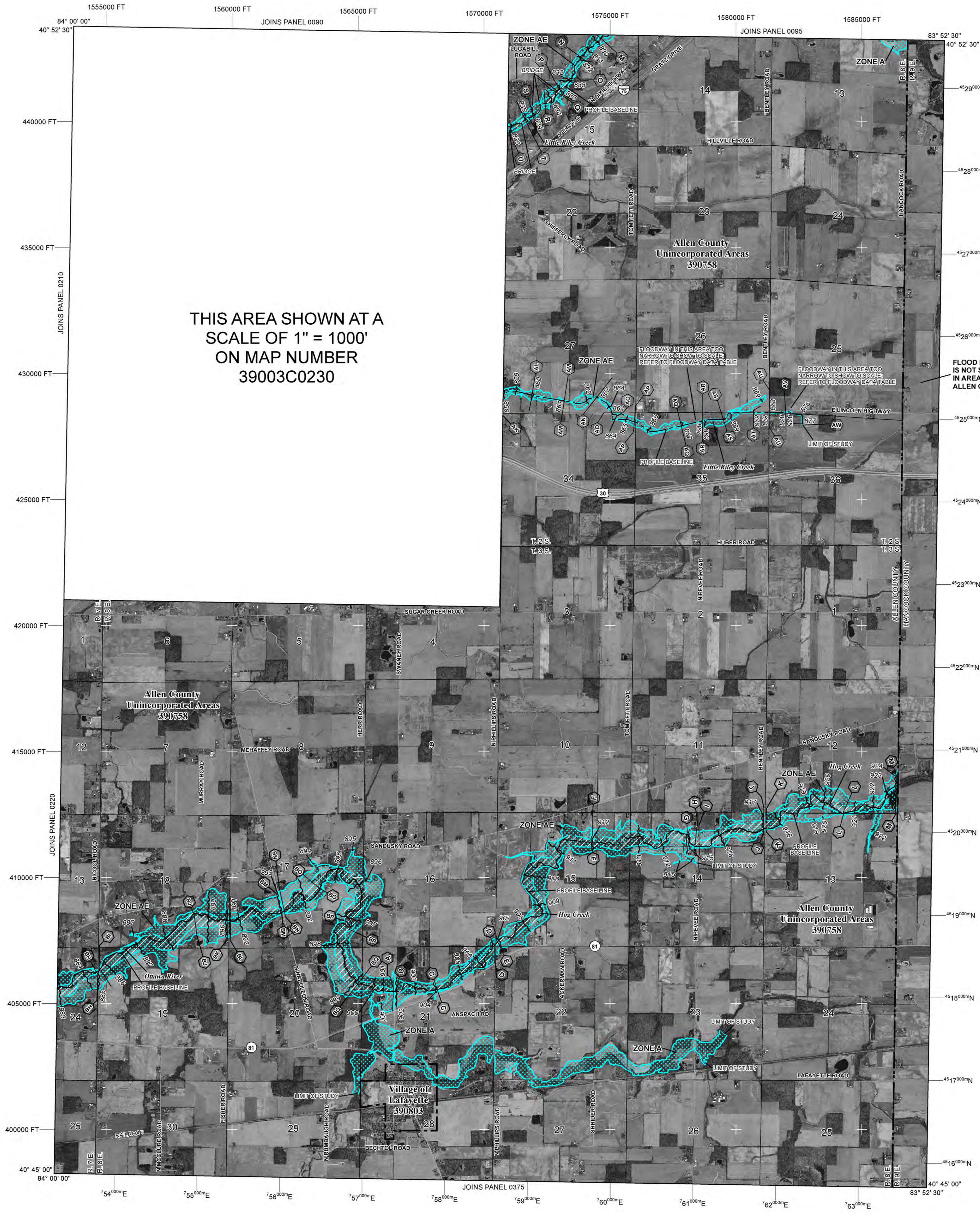
The **profile baselines** depicted on this map represent the hydraulic modeling baselines that match the flood profiles in the FIS report. As a result of improved topographic data, the **profile baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

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.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/nfp>.



LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) 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 include Zones A, AE, AH, AO, AR, A99, V, and VE. The Base Flood Elevation is the water-surface elevation of the 1% annual chance flood.

- ZONE AE** No Base Flood Elevations determined.
- ZONE AH** Base Flood Elevations determined.
- ZONE AO** Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevations determined.
- ZONE AR** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE A99** Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance or greater flood.
- ZONE V** Area to be protected from 1% annual chance flood by a Federal flood protection system under construction; no Base Flood Elevations determined.
- ZONE VE** Coastal flood zone with velocity hazard (wave action); no 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 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 Area Zones and 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 zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

- ○ Cross section line
- ○ Transect line
- ○ Culvert
- ○ Bridge

45° 02' 08", 93° 02' 12"
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere

3100000 FT
5000-foot ticks: Ohio State Plane North Zone (FIPS Zone 3401), Lambert Conformal Conic projection

DX5510 X
Bench mark (see explanation in Notes to Users section of this FIRM panel)

M1.5
River Mile

MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
May 2, 2013

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
May 4, 2015 - to change Special Flood Hazard Areas and to add Base Flood Elevations.

For community map revision history prior to countywide mapping, refer to the Community Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your insurance agent or call the National Flood Insurance Program at 1-800-638-6620.

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0250E

FIRM FLOOD INSURANCE RATE MAP ALLEN COUNTY, OHIO AND INCORPORATED AREAS

PANEL 250 OF 375
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALLEN COUNTY	390758	0250	E
LAFAYETTE VILLAGE OF	390803	0250	E

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 39003C0250E
MAP REVISED MAY 4, 2015

Federal Emergency Management Agency

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 0.0' 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 (FIPS zone 3401). The **horizontal datum** was NAD 83, GRS 1980 spheroid. Differences in datum, spheroid, projection or UTM 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, NNGS12
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 digital orthophotography provided by the Ohio Statewide Imagery Program. This information was created from photography dated 2006.

The **profile baselines** 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 baseline**, in some cases, may deviate significantly from the channel centerline or appear outside the SFHA.

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.

For information on available products associated with this FIRM visit the **Map Service Center (MSC)** website at <http://msc.fema.gov>. Available products may include previously issued Letters of Map Change, a Flood Insurance Study Report, and/or digital versions of this map. Many of these products can be ordered or obtained directly from the MSC website.

If you have **questions about this map**, how to order products, or the National Flood Insurance Program in general, please call the **FEMA Map Information eXchange (FMIX)** at 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov/business/nfp>.

LEGEND

SPECIAL FLOOD HAZARD AREAS (SFHAs) 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 include Zones A, AE, AH, AO, 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 AO** Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
- ZONE AR** Special Flood Hazard Areas formerly protected from the 1% annual chance flood by a flood control system that was subsequently destroyed. 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 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.
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COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

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- 0.2% Annual Chance Floodplain Boundary
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- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

- Cross section line
- Transect line
- Culvert
- Bridge

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83) Western Hemisphere
5000-foot ticks: Ohio State Plane North Zone (FIPS Zone 3401), Lambert Conformal Conic projection
Bench mark (see explanation in Notes to Users section of this FIRM panel)
M1.5
River Mile

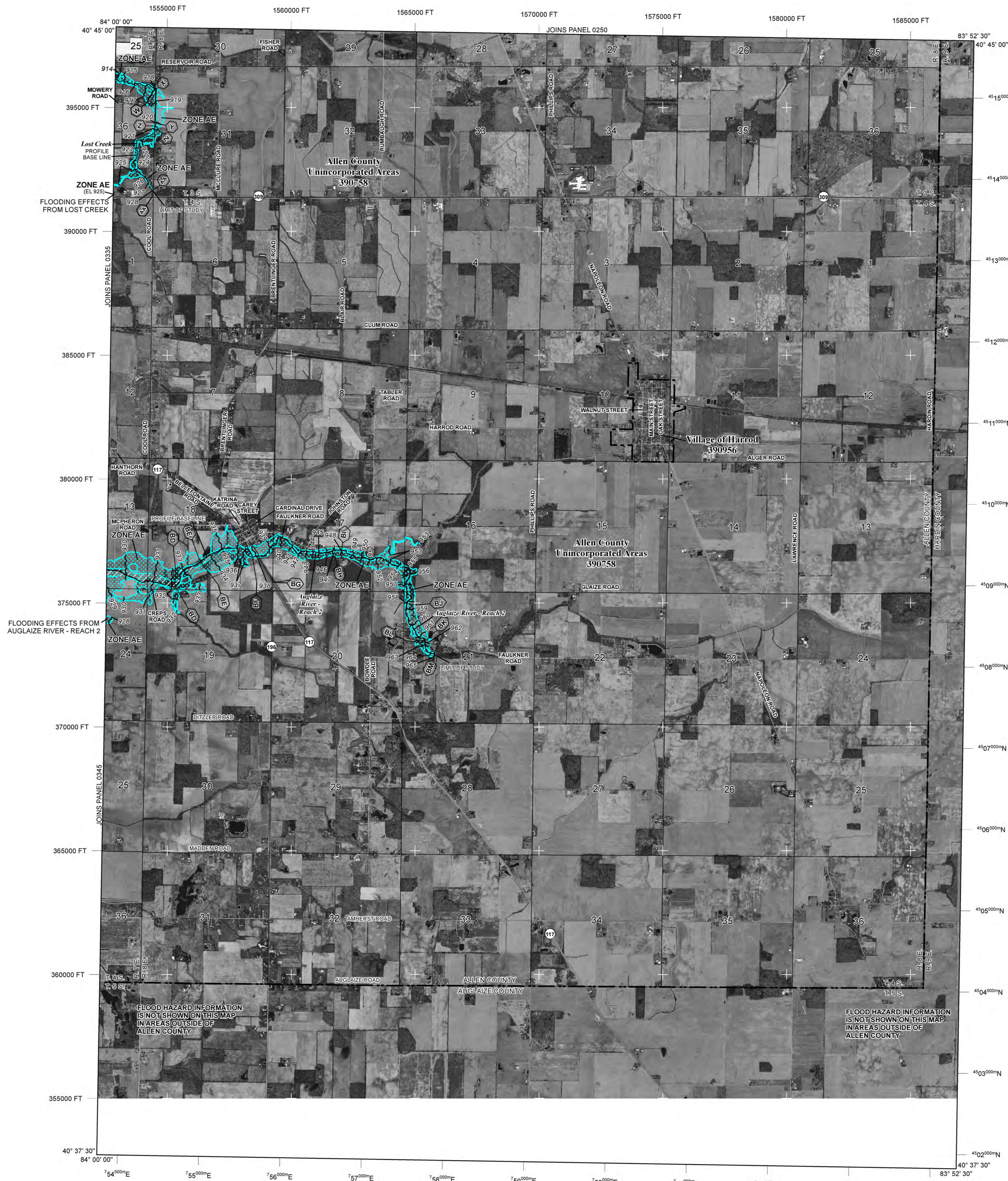
MAP REPOSITORIES
Refer to Map Repositories list on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
May 2, 2013

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL
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MAP SCALE 1" = 2000'
1000 0 2000 4000 FEET
600 0 600 1200 METERS



FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF ALLEN COUNTY

FLOOD HAZARD INFORMATION IS NOT SHOWN ON THIS MAP IN AREAS OUTSIDE OF ALLEN COUNTY

NATIONAL FLOOD INSURANCE PROGRAM

PANEL 0375E

FIRM
FLOOD INSURANCE RATE MAP
ALLEN COUNTY, OHIO
AND INCORPORATED AREAS

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

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
ALLEN COUNTY	390758	0375	E
HARROD, VILLAGE OF	390956	0375	E

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
39003C0375E
MAP REVISED
MAY 4, 2015

Federal Emergency Management Agency