

EXHIBIT 3

WETLANDS PROTECTION

National Wetlands Inventory Mapping

Hydric Soils Mapping

U.S. Army Corps of Engineers Correspondence



REPLY TO
ATTENTION OF

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

March 6, 2020

Regulatory Division
North Branch
LRH-2019-909-TUS-Morgan Run

**PRELIMINARY JURISDICTIONAL DETERMINATION
AND NO PERMIT REQUIRED**

Mr. Ron Winland
Rural Community Assistance Program
340 Walker Drive
Zanesville, Ohio 43701

Dear Mr. Winland:

I refer to the report titled *Wetland and Watercourse Delineation and Threatened and Endangered Species Evaluation Report*, received in the office on February 26, 2020 and submitted on your behalf by ASC Group, Inc., and the *West Lafayette Waterline Improvements Contract A – Extension* mapping received in this office on March 3, 2020. You have requested a preliminary jurisdictional determination (JD) for the West Lafayette Waterline Extension and Replacement Project area. Additionally, you have requested the United States Army Corps of Engineers (Corps) review your proposal for possible Department of the Army (DA) permit requirements. The proposed West Lafayette Waterline Extension and Replacement Project site is located in Lafayette and Tuscarawas Townships, in Coshocton County, Ohio. Your request has been assigned the following file number: LRH-2019-909-TUS-Morgan Run. Please reference this file number on all future correspondence related to the subject proposal.

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

Preliminary Jurisdictional Determination

Based upon a review of the information provided, this office has determined 0.01301 acre of two (2) emergent wetlands (Wetlands 1 and 2), 109 linear feet of five (5) ephemeral streams (Streams 2, 3, 5, 8, and 9), 21 linear feet of two (2) intermittent stream (Streams 1 and 7), and 53 linear feet of four (4) perennial streams (Streams 4, 6, 10, and 11) are located within the West Lafayette Waterline Extension and Replacement Project area. The aquatic resources identified above and on the enclosed preliminary JD form may be waters of the United States in accordance with the Regulatory Guidance Letter for JDs issued by the Corps on October 31, 2016

(Regulatory Guidance Letter No. 16-01). As indicated in the guidance, this preliminary JD is non-binding and cannot be appealed (33 CFR 331.2), and only provides a written indication that waters of the United States, including wetlands, may be present on-site.

You have declined to exercise the option to obtain an approved JD in this instance and at this time for the above aquatic resources. However, for the purposes of the determination of impacts, compensatory mitigation, and other resource protection measures for activities that require authorization from this office, the above aquatic resources will be evaluated as if they are waters of the United States.

Enclosed please find two (2) copies of the preliminary JD. If you agree with the findings of this preliminary JD and understand your options regarding the same, please sign and date one (1) copy of the preliminary JD form and return it to this office within 30 days of receipt of this letter. You should submit the signed copy to the following address:

United States Army Corps of Engineers
Huntington District
Attn: North Branch
502 Eighth Street
Huntington, West Virginia 25701

No Permit Required

Based on a review of the information provided, the West Lafayette Waterline Extension and Replacement Project will include the installation of approximately 42,839 linear feet of new waterline, gate valves and boxes, fire hydrants, and air release valve vaults. Construction of the West Lafayette Waterline Extension and Replacement Project area will not require authorization under the Clean Water Act because the proposed activities will avoid waters of the United States based on the preliminary JD dated March 6, 2020. We have determined your proposal will neither result in a discharge and/or fill material into waters of the United States nor involve work in, on, over or under a navigable water of the United States. Therefore, no DA permit is required from this office for the proposed activity. However, if this determination changes and it becomes necessary to perform work in, adjacent to, or under navigable waters, or to discharge dredged and/or fill material into waters or navigable waters of the United States, including wetlands, authorization from the Corps would be required.

This letter does not excuse you from the obligation to obtain any other Federal, state and/or local authorization, if required. You should not commenced work until you receive the required authorizations. In addition, this letter does not grant any property rights or exclusive privileges, or authorize any injury to the property or rights of others. If you contemplate any changes or additional activities from those described in the information received on February 26, 2020 and March 3, 2020, please submit them to this office for authorization review prior to construction.

We appreciate your concern for our nation's aquatic resources. If you have any questions concerning the above, please contact Ms. Kayla Adkins of the North Branch at 304-399-5850, by mail at the above address, or by email at kayla.n.adkins@usace.army.mil.

Sincerely,

Andrew

John Wendt

Digitally signed by
Andrew John Wendt
Date: 2020.03.06
13:14:14 -05'00'

Andrew J. Wendt
Regulatory Project Manager
North Branch

Enclosures

**Appendix 2 - PRELIMINARY JURISDICTIONAL DETERMINATION (PJD)
FORM**

BACKGROUND INFORMATION

A. REPORT COMPLETION DATE FOR PJD:

B. NAME AND ADDRESS OF PERSON REQUESTING PJD:

Mr. Ron Winland
Rural Community Assistance Program
340 Walker Drive
Zanesville, Ohio 43701

C. DISTRICT OFFICE, FILE NAME, AND NUMBER:

Huntington District, West Lafayette Water Line Extension Project, LRH-2019-909-TUS-Morgan Run

D. PROJECT LOCATION(S) AND BACKGROUND INFORMATION:

**(USE THE TABLE BELOW TO DOCUMENT MULTIPLE AQUATIC RESOURCES AND/OR
AQUATIC RESOURCES AT DIFFERENT SITES)**

State: [Ohio](#) County/parish/borough: [Coshocton](#) City: [Village of West Lafayette](#)
Center coordinates of site (lat/long in degree decimal format):
Lat.: [40.275896](#) Long.: [-81.789010](#)
Universal Transverse Mercator: (X) [432921.840623](#), (Y) [4458678.322026](#)
Name of nearest waterbody: [Morgan Run](#)

E. REVIEW PERFORMED FOR SITE EVALUATION (CHECK ALL THAT APPLY):

- ☒ Office (Desk) Determination. Date: [6 March 2020](#)
☐ Field Determination. Date:

**TABLE OF AQUATIC RESOURCES IN REVIEW AREA WHICH "MAY BE" SUBJECT TO
REGULATORY JURISDICTION.**

Site number	Latitude (decimal degrees)	Longitude (decimal degrees)	Estimated amount of aquatic resource in review area (acreage and linear feet, if applicable)	Type of aquatic resource (i.e., wetland vs. non- wetland waters)	Geographic authority to which the aquatic resource "may be" subject (i.e., Section 404 or Section 10/404)
Stream 1	40.27317	-81.81602	11 linear feet	Non-Wetland	Section 404
Stream 2	40.27114	-81.81075	10 linear feet	Non-Wetland	Section 404
Stream 3	40.27365	-81.80766	69 linear feet	Non-Wetland	Section 404
Stream 4	40.27615	-81.80700	11 linear feet	Non-Wetland	Section 404
Stream 5	40.27433	-81.79575	10 linear feet	Non-Wetland	Section 404
Stream 6-1	40.27373	-81.79579	11 linear feet	Non-Wetland	Section 404
Stream 6-2	40.27759	-81.79079	10 linear feet	Non-Wetland	Section 404
Stream 7	40.27247	-81.79582	10 linear feet	Non-Wetland	Section 404
Stream 8	40.27072	-81.79589	10 linear feet	Non-Wetland	Section 404
Stream 9	40.27007	-81.79592	10 linear feet	Non-Wetland	Section 404
Stream 10	40.27769	-81.78975	11 linear feet	Non-Wetland	Section 404
Stream 11	40.27808	-81.77746	10 linear feet	Non-Wetland	Section 404
Wetland 1	40.27705	-81.79566	0.00001 acre	Wetland	Section 404
Wetland 2	40.27242	-81.79580	0.013 acre	Wetland	Section 404

- 1) The Corps of Engineers believes that there may be jurisdictional aquatic resources in the review area, and the requestor of this PJD is hereby advised of his or her option to request and obtain an approved JD (AJD) for that review area based on an informed decision after having discussed the various types of JDs and their characteristics and circumstances when they may be appropriate.
- 2) In any circumstance where a permit applicant obtains an individual permit, or a Nationwide General Permit (NWP) or other general permit verification requiring "pre-construction notification" (PCN), or requests verification for a non-reporting NWP or other general permit, and the permit applicant has not requested an AJD for the activity, the permit applicant is hereby made aware that: (1) the permit applicant has elected to seek a permit authorization based on a PJD, which does not make an official determination of jurisdictional aquatic resources; (2) the applicant has the option to request an AJD before accepting the terms and conditions of the permit authorization, and that basing a permit authorization on an AJD could possibly result in less compensatory mitigation being required or different special conditions; (3) the applicant has the right to request an individual permit rather than accepting the terms and conditions of the NWP or other general permit authorization; (4) the applicant can accept a permit authorization and thereby agree to comply with all the terms and conditions of that permit, including whatever mitigation requirements the Corps has determined to be necessary; (5) undertaking any activity in reliance upon the subject permit authorization without requesting an AJD constitutes the applicant's acceptance of the use of the PJD; (6) accepting a permit authorization (e.g., signing a proffered individual permit) or undertaking any activity in reliance on any form of Corps permit authorization based on a PJD constitutes agreement that all aquatic resources in the review area affected in any way by that activity will be treated as jurisdictional, and waives any challenge to such jurisdiction in any administrative or judicial compliance or enforcement action, or in any administrative appeal or in any Federal court; and (7) whether the applicant elects to use either an AJD or a PJD, the JD will be processed as soon as practicable. Further, an AJD, a proffered individual permit (and all terms and conditions contained therein), or individual permit denial can be administratively appealed pursuant to 33 C.F.R. Part 331. If, during an administrative appeal, it becomes appropriate to make an official determination whether geographic jurisdiction exists over aquatic resources in the review area, or to provide an official delineation of jurisdictional aquatic resources in the review area, the Corps will provide an AJD to accomplish that result, as soon as is practicable. This PJD finds that there "*may be*" waters of the U.S. and/or that there "*may be*" navigable waters of the U.S. on the subject review area, and identifies all aquatic features in the review area that could be affected by the proposed activity, based on the following information:

SUPPORTING DATA. Data reviewed for PJD (check all that apply)

Checked items should be included in subject file. Appropriately reference sources below where indicated for all checked items: [Wetland and Watercourse Delineation and Threatened and Endangered Species Evaluation Report for the West Lafayette Waterline Extension and Replacement Project, Lafayette and Tuscarawas Townships, Coshocton County, Ohio completed by ASC Group, Inc. dated February 2020 \(JD, Feb 2020\)](#)

- ☒ Maps, plans, plots or plat submitted by or on behalf of the PJD requestor: [Figure 1 – Location Map and Figure 2 – Topographic Map \(JD, Feb 2020\)](#)
- ☒ Data sheets prepared/submitted by or on behalf of the PJD requestor.
- ☒ Office concurs with data sheets/delineation report. [Appendix C – Wetland Determination Data Forms and Appendix D – ORAM Forms \(JD, Feb 2020\)](#)
- ☐ Office does not concur with data sheets/delineation report. Rationale: _____
- ☐ Data sheets prepared by the Corps: _____
- ☐ Corps navigable waters' study: _____
- ☐ U.S. Geological Survey Hydrologic Atlas: _____
- ☐ USGS NHD data.
- ☒ USGS 8 and 12 digit HUC maps. [05040001 – Tuscarawas River, 050400011904– Morgan Run-Tuscarawas River](#)
- ☒ U.S. Geological Survey map(s). Cite scale & quad name: [1:24K Quad, OH-Coshocton](#)
- ☒ Natural Resources Conservation Service Soil Survey. Citation: [Figure 3 – Soil Map \(JD, Feb 2020\)](#)
- ☒ National wetlands inventory map(s). Cite name: [Figure 4 – NWI Map \(JD, Feb 2020\)](#)
- ☐ State/local wetland inventory map(s): _____
- ☐ FEMA/FIRM maps: _____
- ☐ 100-year Floodplain Elevation is: _____.(National Geodetic Vertical Datum of 1929)
- ☒ Photographs: ☒ Aerial (Name & Date): [Figure 5 – Aerial Map \(JD, Feb 2020\)](#)
or ☒ Other (Name & Date): [Appendix B – Project Study Area Photographs \(JD, Feb 2020\)](#)
- ☐ Previous determination(s). File no. and date of response letter: _____
- ☐ Other information (please specify): _____

IMPORTANT NOTE: The information recorded on this form has not necessarily been verified by the Corps and should not be relied upon for later jurisdictional determinations.

Kayla N. Adkins
Digitally signed by Kayla N. Adkins
Date: 2020.03.09 08:41:28 -04'00'

Signature and date of
Regulatory staff member
completing PJD

Signature and date of
person requesting PJD
(REQUIRED, unless obtaining
the signature is
impracticable)¹

¹ Districts may establish timeframes for requestor to return signed PJD forms. If the requestor does not respond within the established time frame, the district may presume concurrence and no additional follow up is necessary prior to finalizing an action.

From: "Adkins, Kayla N CIV USARMY CELRH (US)" <Kayla.N.Adkins@usace.army.mil>
To: "rlwinland@glcap.org" <rlwinland@glcap.org>
Date: 11/15/2019 10:04 AM
Subject: West Lafayette Water Line Extension Project (UNCLASSIFIED)

CLASSIFICATION: UNCLASSIFIED

Good morning!

I have been assigned the review of the subject project. Several pieces of additional information will be required in order to complete the requested "no permit required" evaluation.

Please submit coordinates for all stream crossings. Based on the map depicting the stream crossing photo locations, it appears several stream crossings were not identified or were maybe misidentified on the map. Once I receive the coordinates for each crossing, I will be able to identify which stream crossings were not depicted with photographs.

Additionally, per coordination completed with your office and Katie Samples of the Corps Regulatory Division on a different project which utilized directional bore techniques, a delineation for presence of wetlands should be completed at all bore launch and receiving areas in order to identify if the ground disturbance would impact wetlands.

The information submitted to this office indicates the water line would be installed via open trench and directional bore techniques. Please provide additional information on where each technique would be utilized. As mentioned above, in areas of ground disturbance wetlands must be evaluated for potential impacts. Once I receive the additional information on where the open trench method would be utilized and the location of the bore launch and receiving areas, I can indicate where the presence of wetlands should be evaluated.

Thanks!

Kayla N. Adkins
Regulatory Project Manager
North Branch
U.S. Army Corps of Engineers
Huntington District
502 8th Street
Huntington, WV 25701
304-399-5850
304-399-5085 (fax)
Kayla.N.Adkins@usace.army.mil

CLASSIFICATION: UNCLASSIFIED



A trade name of WSOS Community Action Commission



October 14, 2019

U.S. Army Corps of Engineers
Huntington Regulatory Division Office
502 8th Street
Huntington, WV 25701

**RE: West Lafayette Water Line Extension Project – City of Coshocton
Coshocton County, Ohio
Environmental Review – CDBG-RPIG**

Dear Reviewer:

The City of Coshocton is in the process of performing an environmental review pursuant to the National Environmental Policy Act for the Ohio Development Services Agency (ODSA) Community Development Block Grant Residential Public Infrastructure Grant Program, in order that it may assess the environmental impacts of the proposed West Lafayette Water Line Extension Project. For the location of project elements, see the attached project description, site photos, aerial and topo mapping, National Wetland Inventory (NWI), hydric soils and FIRMette mapping.

The proposed sanitary collection system will be placed within existing public road right of ways, village property and one (1) private easement.

The NWI Map does not appear to indicate the possible presence of designated wetlands within the project alignment. However, hydric soils existing within the alignment along Coshocton County Road 16.

There are stream crossings required for the proposed project along the County Road 16 alignment. However, no in-water work is proposed as part of the project as all stream crossings will be completed via horizontal direction drilling to avoid stream and riparian impacts. The floodplain of the Tuscarawas River exists in the immediate project area. However, construction activities are not anticipated to occur within the floodplain area.

To satisfy ODSA requirements for completion of the NEPA environmental review, we are requesting your agency to provide guidance with respect to potential permitting, jurisdictional determinations or provide a "No Department of Army Permit required". We would appreciate a response within 30 days. Please forward correspondence to my attention via email at

rlwinland@glcap.org or by mail at the address listed below. If you need further information or wish to discuss the project, please contact me at 740-891-3364.

Sincerely,

Ron Winland

Ron Winland
Senior Rural Development Specialist
Rural Community Assistance Program (RCAP)

Enclosures

PROJECT DESCRIPTION

WEST LAFAYETTE WATERLINE EXTENSION - CITY OF COSHOCTON

The project consists of extending the City of Coshocton water system to the Village of West Lafayette with water meeting Ohio Environmental Protection Agency requirements. The project would require the installation of a 12" diameter water supply line (22,100 feet) along Coshocton County Road 16 from the County Home in Coshocton to the existing West Lafayette water treatment plant. Due to the difference in elevation between Coshocton County Home pressure zone and West Lafayette water systems, a pressure reducing station would be required between the two water systems. A control valve will be located either at the existing West Lafayette water plant or in between Coshocton and West Lafayette to control the filling of the West Lafayette water storage tanks. The water line extension would also include the installation of approximately 73 Gate Valves and Boxes, 44 fire hydrants, and 5 air release valve vaults.

The project will utilize the existing metering and disinfection system at the West Lafayette water treatment plant for assuring proper chlorine levels in the West Lafayette's water system. Existing water meters on service lines in West Lafayette would also be replaced so that the water meters are compatible with Coshocton's meter reading system. The existing West Lafayette supply wells will be abandoned and the treatment facility decommissioned; while, the West Lafayette water distribution and storage system will remain in operation. Several areas in the existing West Lafayette water distribution system experience low water pressure and flows from apparently undersized water mains. As part of this project, approximately 13,000 LF feet of 8" diameter water line will be installed in the worse low pressure areas, which are located in the southeastern part of the Village.

The project is also likely to involve providing water to three areas along the route between Coshocton and West Lafayette. The areas are located just south of County Road 16 and include Township Road 162 (Area #1), Township Road 1203 (Area #2), and County Road 124 (Area #3). These areas are outside of West Lafayette but have dense rural residential development and some private wells have tested positive for coliform bacteria. Construction work in Area #1 would include the installation of 3,000 LF of 8" diameter water line, 9 gate valves and boxes, 6 fire hydrants and 7 water meters. Area #2 will include the installation of 1000 LF of 8" diameter pipeline, 2 fire hydrants and 3 gate valves and boxes. Area #3 will include the installation of 6,600 LF of 6" and 8" diameter pipeline, 24 gate valves and boxes, 13 fire hydrants and 33 water meters.

The City of Coshocton and Village of West Lafayette are located in central and eastern Coshocton County approximately 4 miles apart from each other. The two communities are directly connected by County Road 16. Elevations in Coshocton range from 750 feet above mean sea level to 1,100 feet above mean sea level. Elevations in West Lafayette range from 780 feet above mean sea level to 810 feet above mean sea level. The aforementioned Areas 1, 2 and 3 are situated in Lafayette Township, Coshocton County.

The installation of water lines will occur via open trenching and directional boring. The water line extension will be installed mostly within county, township and Village road rights-of-way, thus requiring no additional purchase of land. Permits from the county and township will be required for any installation within the road rights-of-way. An easement along the edge of a private property southwest of the West Lafayette water treatment plant will be required and a permit from the railroad will be required to cross the railroad. Replacement of distribution lines in the Village of West Lafayette will occur within the Village Right of Ways.

PROJECT DESCRIPTION
WEST LAFAYETTE WATERLINE EXTENSION - CITY OF COSHOCTON

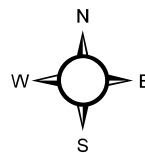
Coshocton and West Lafayette are drained by the Tuscarawas River. The floodplain of the Tuscarawas River is in close proximity to a portion of the project along County Road 16; however, based on the floodplain maps and elevations, the proposed waterline will not be in the floodplain.

Land use in the project area is primarily residential, agricultural, commercial and urban development. There are several stream and road crossings in the project area. Stream crossings will be accomplished via horizontal directional boring, while roads may be directional bored or open-cut depending on the road authority. With construction occurring primarily in road right of ways, impact to farm land is not expected. There are some trees along the water line extension alignment, however most of these areas are expected to be outside of the construction area, and significant tree removal or impacts is not anticipated. If trees are in the construction alignment, the area will be directional bored to avoid impacts.

West Lafayette - City of Coshocton
Water Line Extension

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

A horizontal number line with tick marks at 0, 1,500, 3,000, and 6,000 Feet.

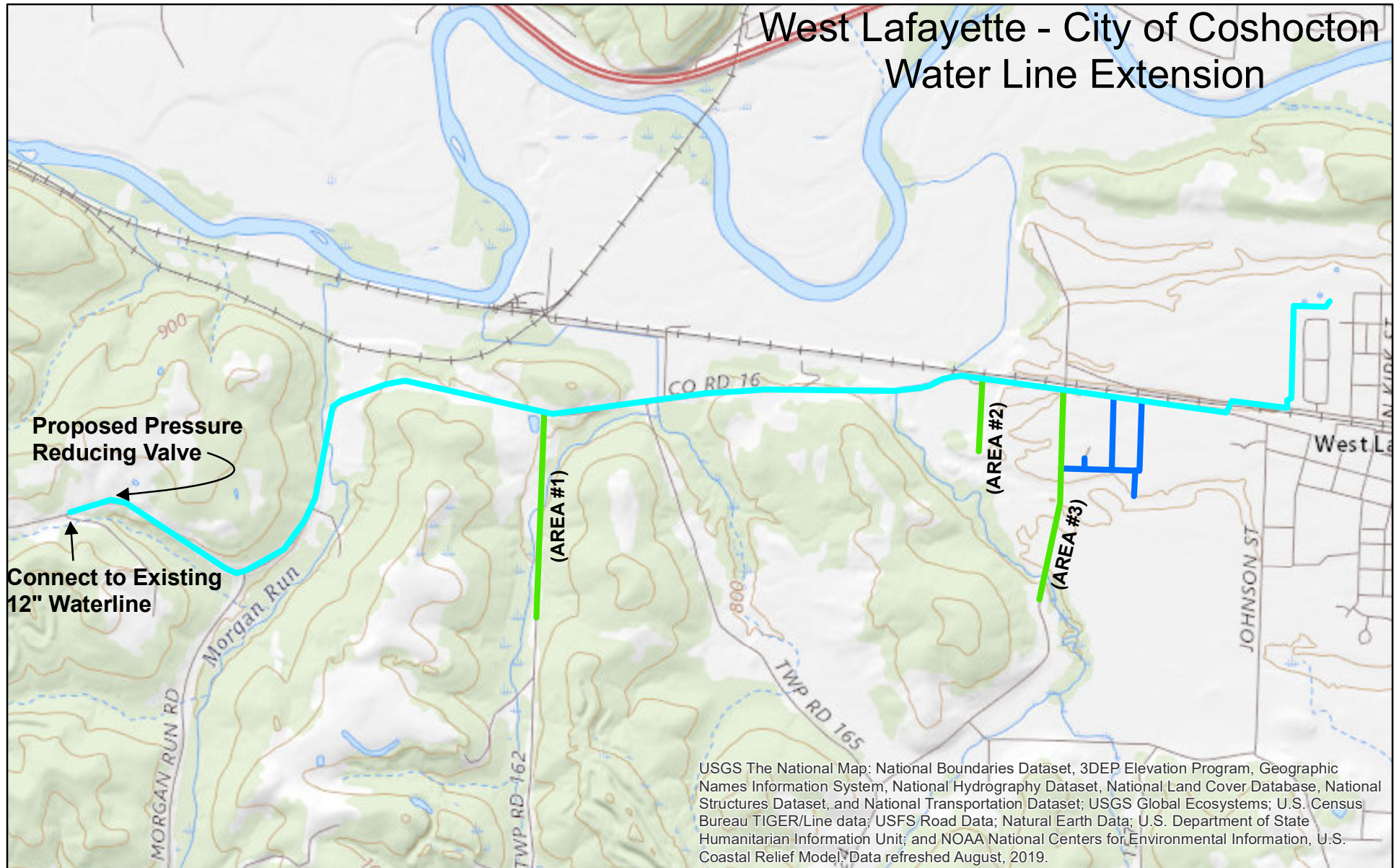


— 12" Waterline — 6" Waterline
— 8" Waterline — Waterline Replacement
● Water Wells To Be Abandoned
 Water Treatment Plant To Be Decommissioned

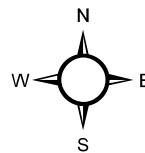


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West Lafayette - City of Coshocton Water Line Extension



0 1,250 2,500 5,000 Feet



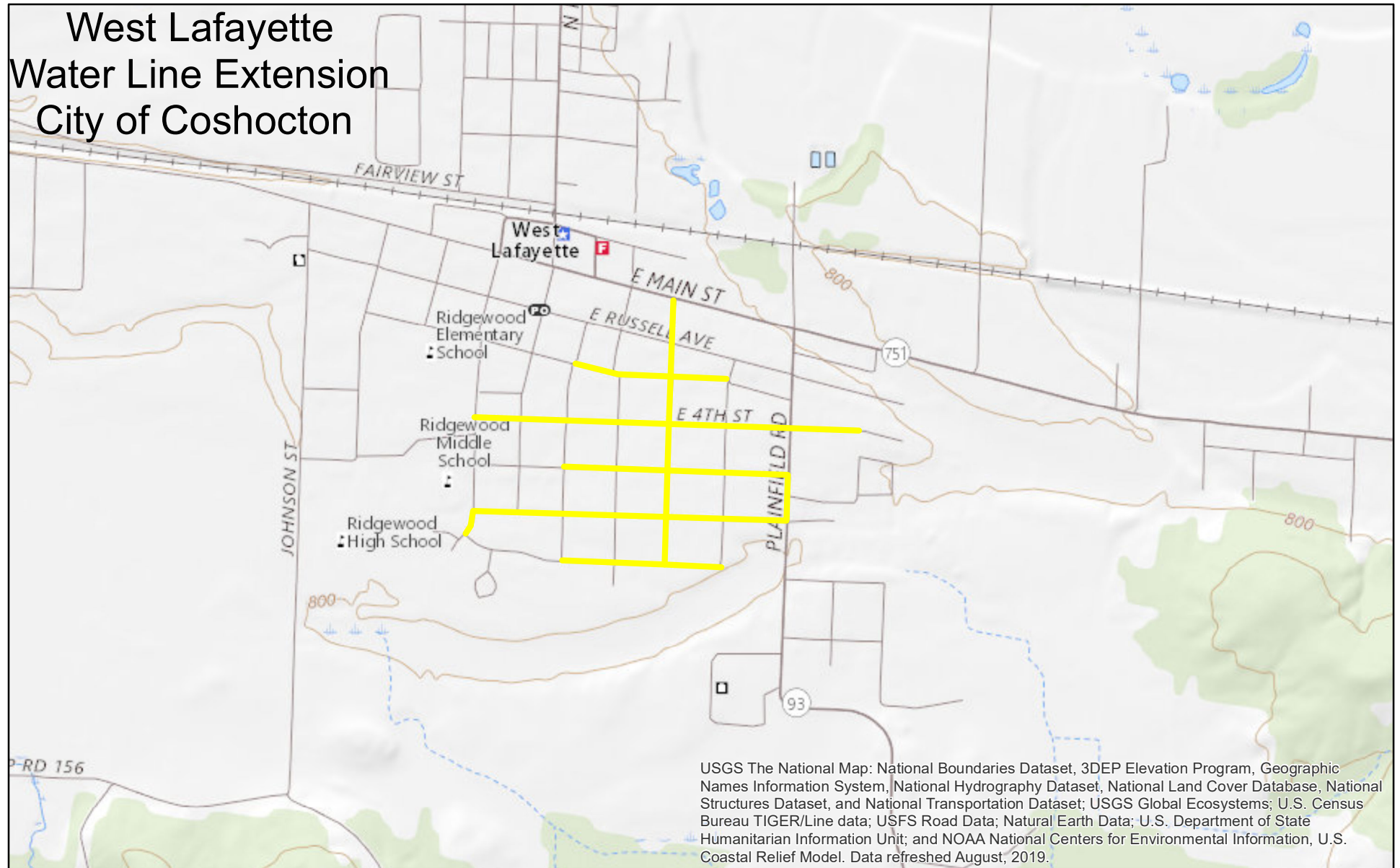
Proposed Waterlines

- 12" Waterline
- 8" Waterline
- 6" Waterline

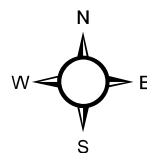


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Sources: Esri, ODOT, DeLorme, USGS, Intermap, Incentiv P Corp., NRCAN, Esri Japan, METI, OpenStreetMap, GIS User Community, GLCAP. Map Created 10/2/2019

West Lafayette Water Line Extension City of Coshocton



0 750 1,500 3,000 Feet

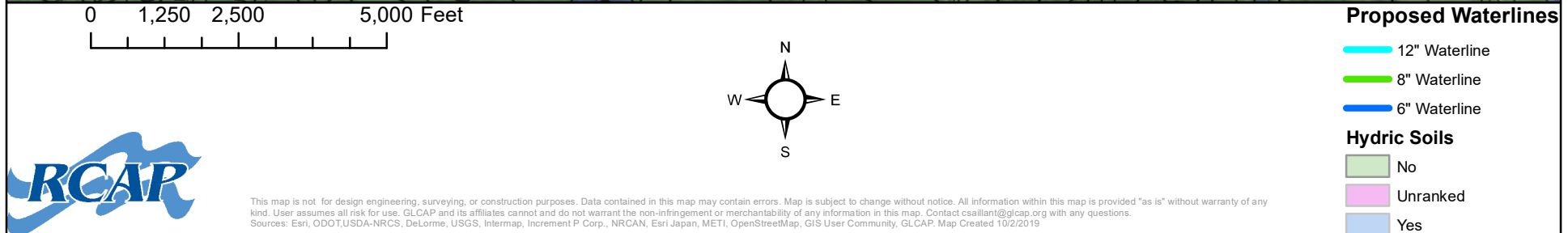
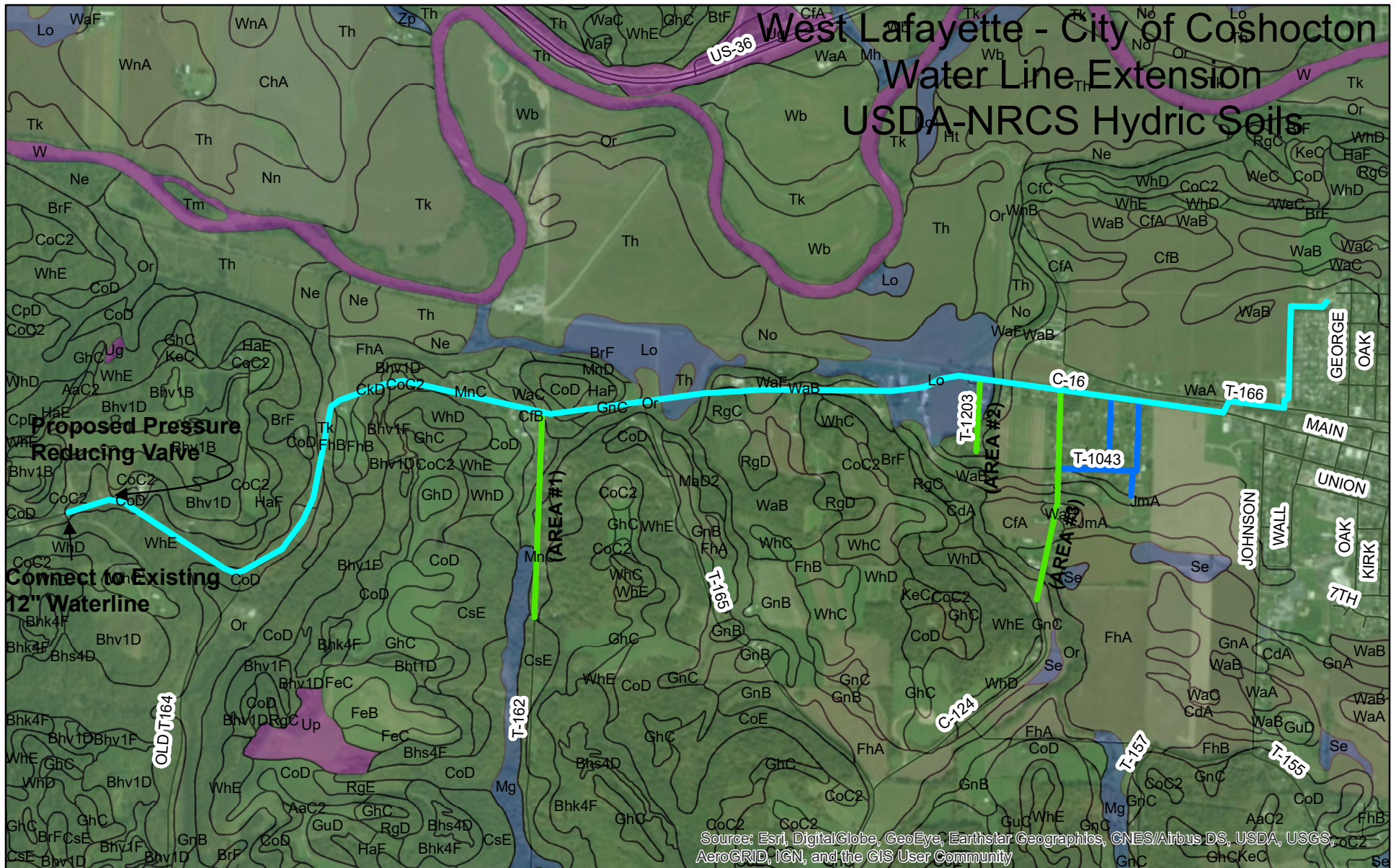


Proposed Waterlines

Waterline Replacement



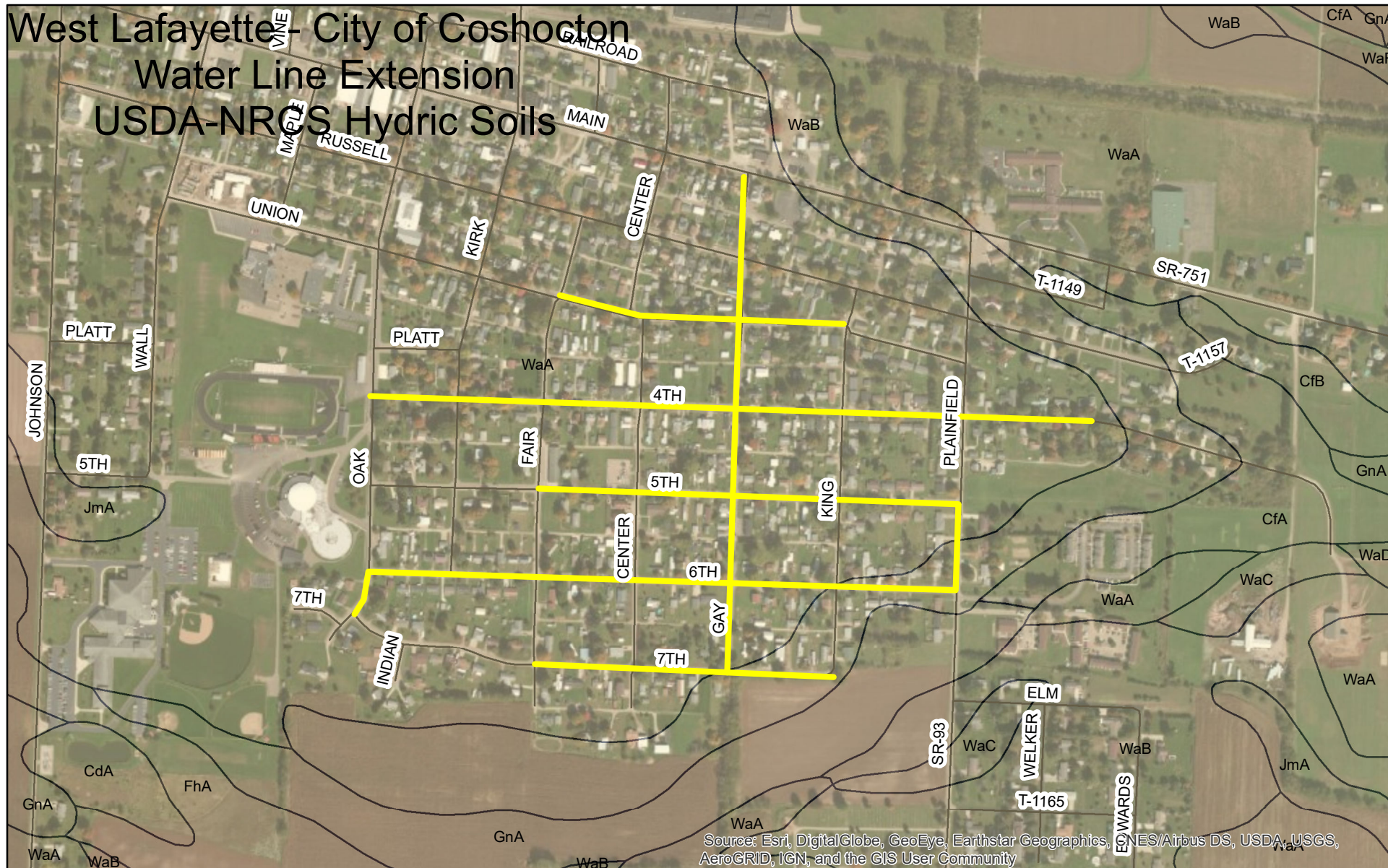
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Sources: Esri, ODOT, DeLorme, USGS, Intermap, Increment P Corp., NRCAN, Esri Japan, METI, OpenStreetMap, GIS User Community, GLCAP. Map Created 10/2/2019



West Lafayette - City of Coshocton

Water Line Extension

USDA-NRCS Hydric Soils



Proposed Waterlines

— Waterline Replacement

Hydric Soils

No



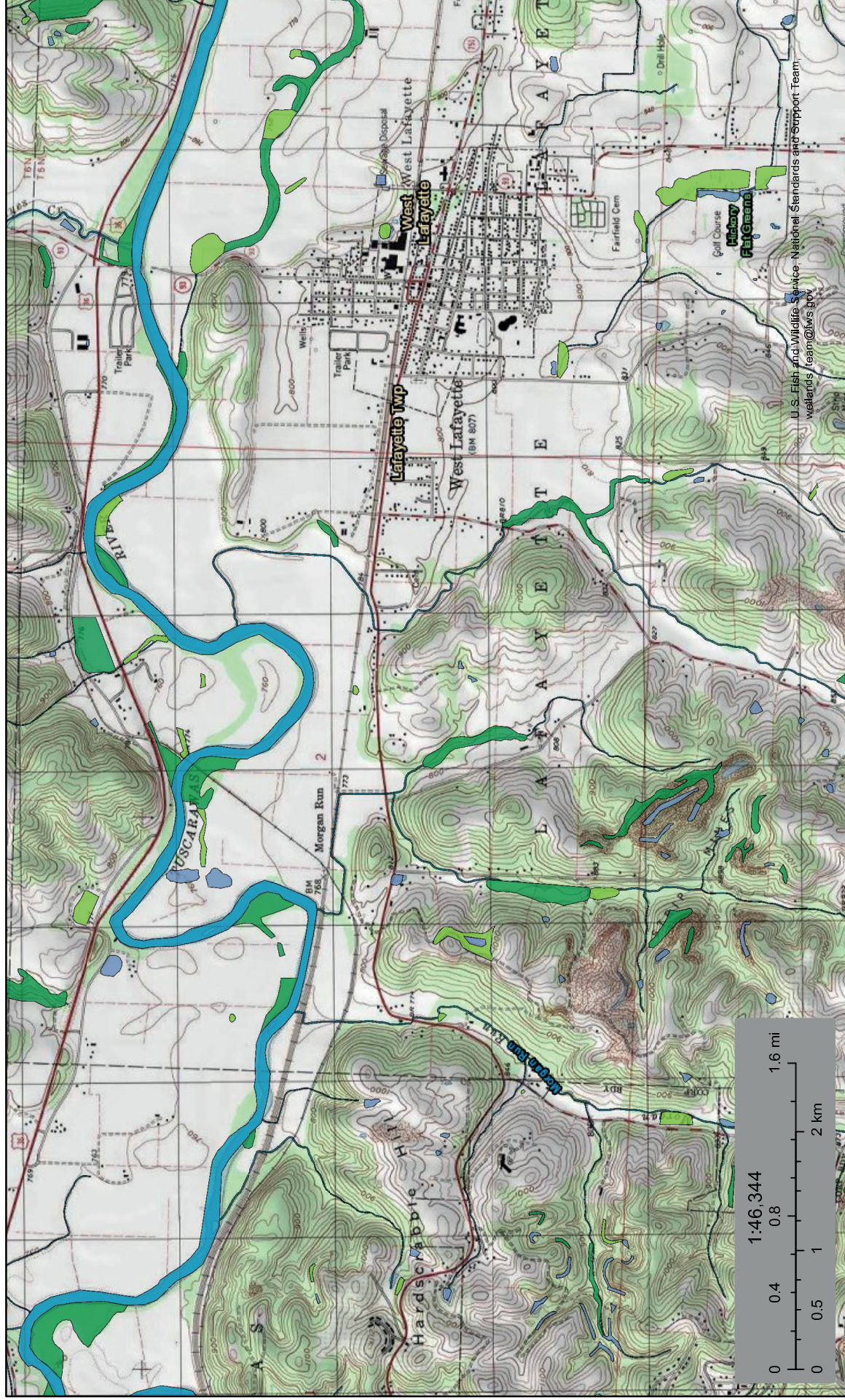
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Sources: Esri, ODOT, USDA-NRCS, DeLorme, USGS, Intermap, Increment P Corp., NRCAN, Esri Japan, METI, OpenStreetMap, GIS User Community, GLCAP. Map Created 10/2/2019



U.S. Fish and Wildlife Service

National Wetlands Inventory

West Lafayette Water Line Extension



October 14, 2019

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

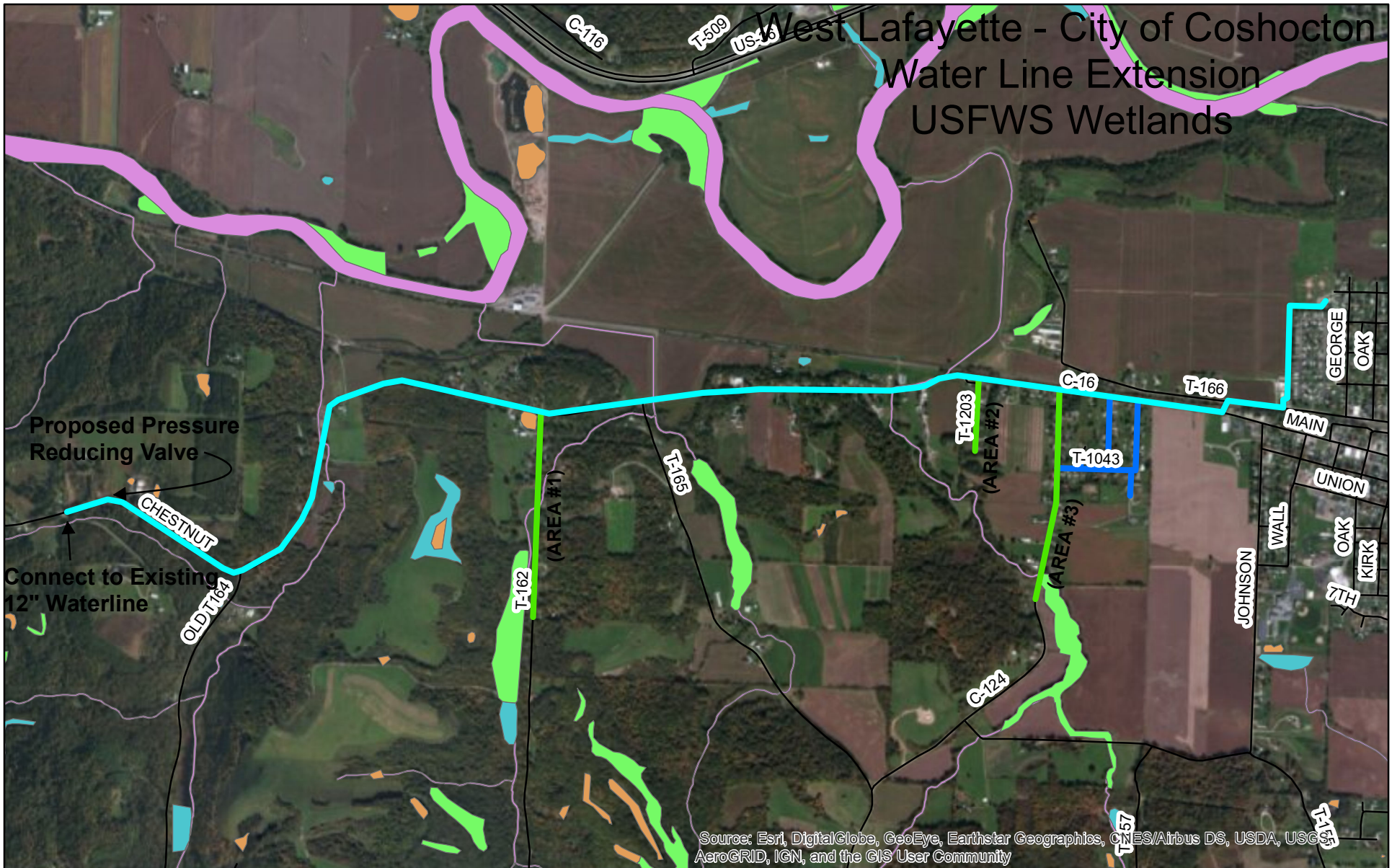
Freshwater Pond

Lake

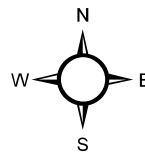
Other

Riverine

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



0 1,250 2,500 5,000 Feet



Proposed Waterlines

- 12" Waterline
- 8" Waterline
- 6" Waterline

Wetland Type

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Riverine

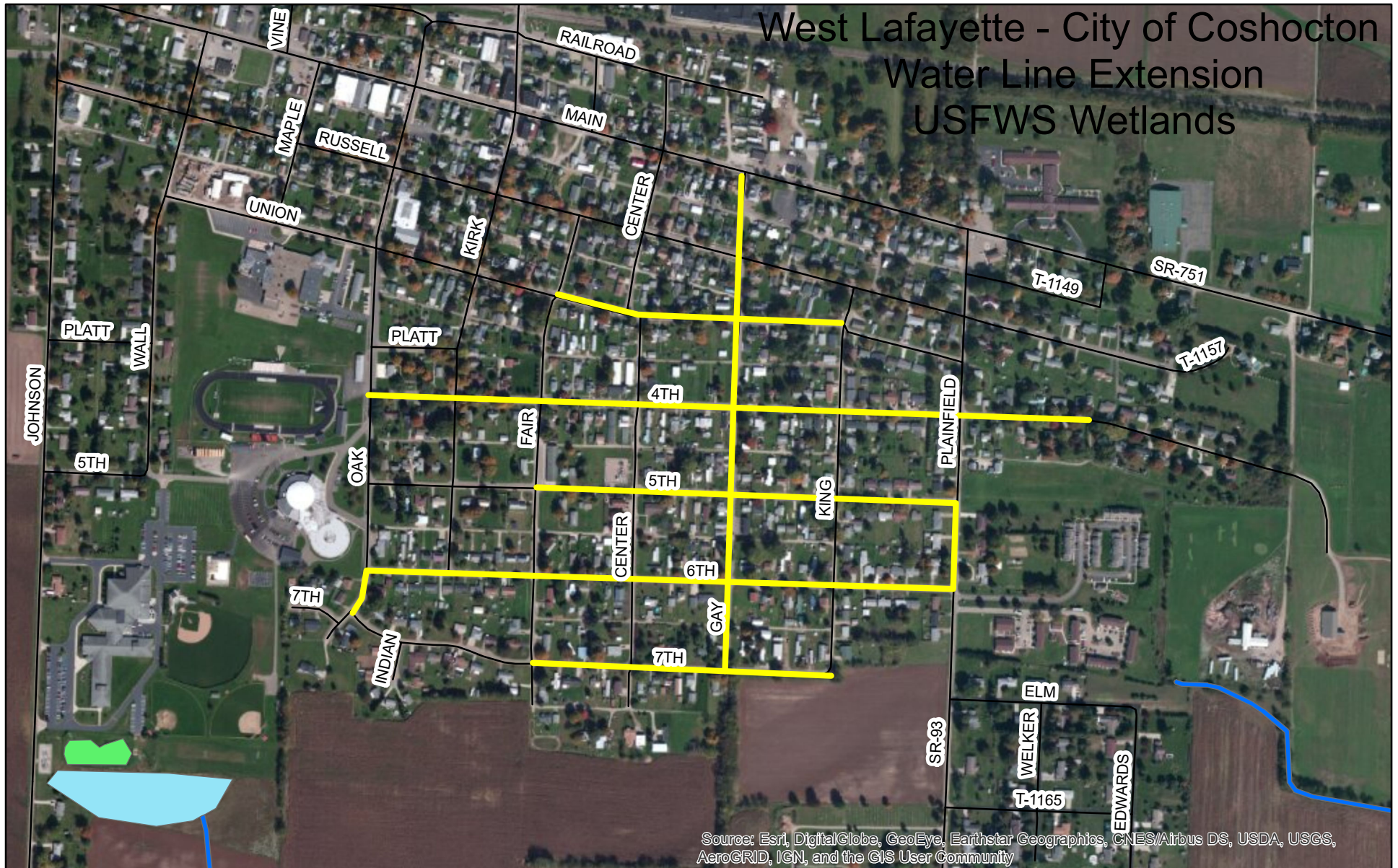


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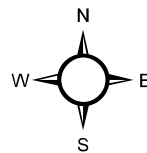
West Lafayette - City of Coshocton

Water Line Extension

USFWS Wetlands



0 350 700 1,400 Feet



Proposed Waterlines

— Waterline Replacement

Wetland Type

— Freshwater Emergent Wetland

— Freshwater Pond

— Riverine



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Sources: Esri, ODOT, USFWS, DeLorme, USGS, Intermap, Increment P Corp., NRCAN, Esri Japan, METI, OpenStreetMap, GIS User Community, GLCAP. Map Created 10/2/2019

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 0.01 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 4976 (FIPSZONE 3401). The **horizontal datum** was NAD83. Differences in datum, spheroid, projection or state plane zones used in the production of FIRMs for adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

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

NGS Information Services
NOAA, N/NGS12
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 multiple sources. Base map files were provided in digital format by the Ohio Department of Transportation, United States Geologic Survey, Coshocton County GIS Department, National Geodetic Survey, and the State of Ohio Office of Information Technology. Ohio Geographically Referenced Information Program. Additional information was photogrammetrically compiled at a scale of 1:12,000 from aerial photography dated 2006.

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

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

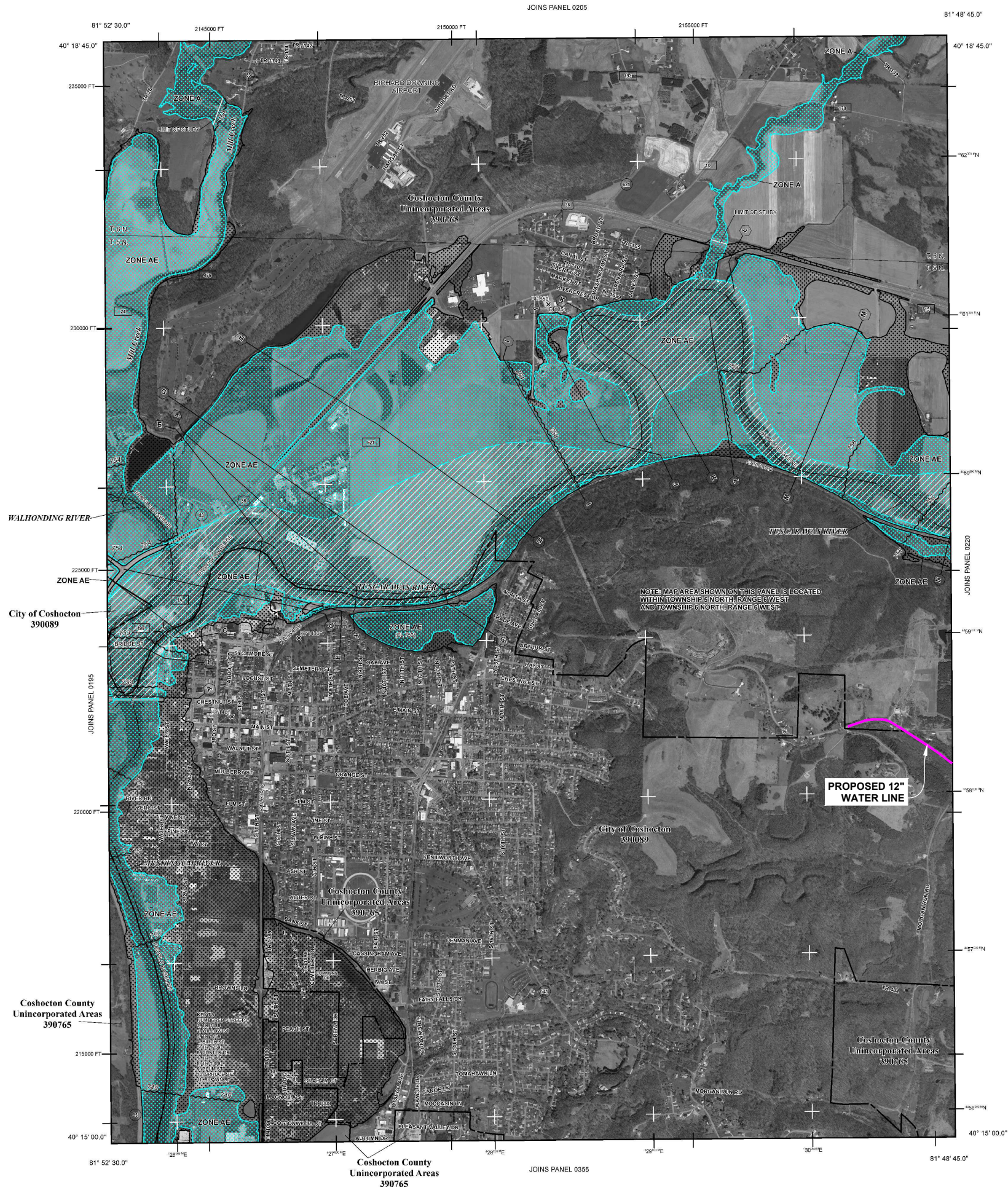
Please refer to the separately printed **Map Index** for an overview map of the county showing the layout of map panels; community map repository addresses; and a Listing of Communities table containing National Flood Insurance Program dates for each community as well as a listing of the panels on which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

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

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

The **Profile Baseline** 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.

Figure 1: A schematic diagram of a 10x10 grid of panels. The grid is composed of 100 square panels. Some panels are shaded with diagonal lines, indicating they are not printed. The shaded panels are located at (row, column) coordinates: (1, 8), (1, 9), (2, 7), (2, 8), (2, 9), (3, 6), (3, 7), (3, 8), (3, 9), (4, 5), (4, 6), (4, 7), (4, 8), (4, 9), (5, 4), (5, 5), (5, 6), (5, 7), (5, 8), (5, 9), (6, 3), (6, 4), (6, 5), (6, 6), (6, 7), (6, 8), (6, 9), (7, 2), (7, 3), (7, 4), (7, 5), (7, 6), (7, 7), (7, 8), (7, 9), (8, 1), (8, 2), (8, 3), (8, 4), (8, 5), (8, 6), (8, 7), (8, 8), (8, 9), (9, 1), (9, 2), (9, 3), (9, 4), (9, 5), (9, 6), (9, 7), (9, 8), (9, 9), and (10, 1), (10, 2), (10, 3), (10, 4), (10, 5), (10, 6), (10, 7), (10, 8), (10, 9). The unshaded panels are located at: (1, 1), (1, 2), (1, 3), (1, 4), (1, 5), (1, 6), (1, 7), (1, 10), (2, 1), (2, 2), (2, 3), (2, 4), (2, 5), (2, 6), (2, 10), (3, 1), (3, 2), (3, 3), (3, 4), (3, 5), (3, 10), (4, 1), (4, 2), (4, 3), (4, 4), (4, 10), (5, 1), (5, 2), (5, 3), (5, 10), (6, 1), (6, 2), (6, 3), (6, 10), (7, 1), (7, 2), (7, 3), (7, 10), (8, 1), (8, 2), (8, 3), (8, 10), (9, 1), (9, 2), (9, 3), (9, 10), and (10, 1), (10, 2), (10, 3), (10, 10). The diagram includes a legend at the bottom left showing a shaded square labeled 'Panel Not Printed'.



SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100-year flood), also known as the base flood, is the flood that has a 1% chance of being equalled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard may include Zones A, AE, AH, 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 Elevation determined.

ZONE AE
Base Flood Elevations determined.

ZONE AH
Flood depths of 1 to 3 feet (usually areas of ponding); Base Flood Elevation 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
Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently deauthorized. Zone AR indicates that the former flood control system is being restored to provide protection from the 1% annual chance flood or greater flood.

ZONE A99
Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevation determined.

ZONE V
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevation determined.

ZONE VE
Coastal flood zone with velocity hazard (wave action); Base Flood Elevation determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of encroachment so that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X
Areas determined to be outside of the 0.2% annual chance floodplain.

ZONE D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

1% annual chance floodplain boundary
0.2% annual chance floodplain boundary
Floodway boundary
Zone D boundary
CBRS and OPA boundary
Boundary dividing Special Flood Hazard Areas of different Base Flood Elevation, flood depths or flood velocities.
Base Flood Elevation line and value; elevation in feet*
Base Flood Elevation value where uniform in feet; elevation in feet*

(EL 10)

*Reference to the North American Vertical Datum of 1988

Crass section line
Transsect line
Bridges
Culvert
Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere
1000-meter Uniform Transverse Mercator grid values; zone 17
5000-foot grid ticks: Ohio State Plane North Coordinate System; 4976 zone (FIPS258-3401) Lambert Conformal Conic projection
North mark (See explanation in Notes to Users section of the FIRM pamph)
River/ Mile
KAD015 X
M 1.1

MAP REPOSITORY
Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP
March 2, 2010


EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

For history map revision history prior to countywide mapping, refer to the Community Map History map 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.

MAP SCALE 1" = 1000'

500 1000 2000
300 0 300 600
FET
METERS

<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);"> NATIONAL FLOOD INSURANCE PROGRAM </div> <div> PANEL 0215C </div> </div>				
<h1 style="margin: 0;">FIRM</h1> <h2 style="margin: 0;">FLOOD INSURANCE RATE MAP</h2> <h3 style="margin: 0;">COSHOCTON COUNTY, OHIO</h3> <h3 style="margin: 0;">AND INCORPORATED AREAS</h3>				
PANEL 215 OF 405				
(SEE MAP INDEX FOR FIRM PANEL LAYOUT)				
<u>CONTAINS:</u>				
<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>	
COSHOCTON, CITY OF	330068	0215	C	
COSHOCTON COUNTY	390786	0215	C	
<p>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.</p> <div style="text-align: center; margin-top: 20px;">  </div> <div style="text-align: center; margin-top: 20px;"> MAP NUMBER 39031C0215C EFFECTIVE DATE MARCH 2, 2010 </div>				
Federal Emergency Management Agency				

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.

Coastal Base Flood Elevations shown on this map apply only landward of 0.01 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.

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.

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:

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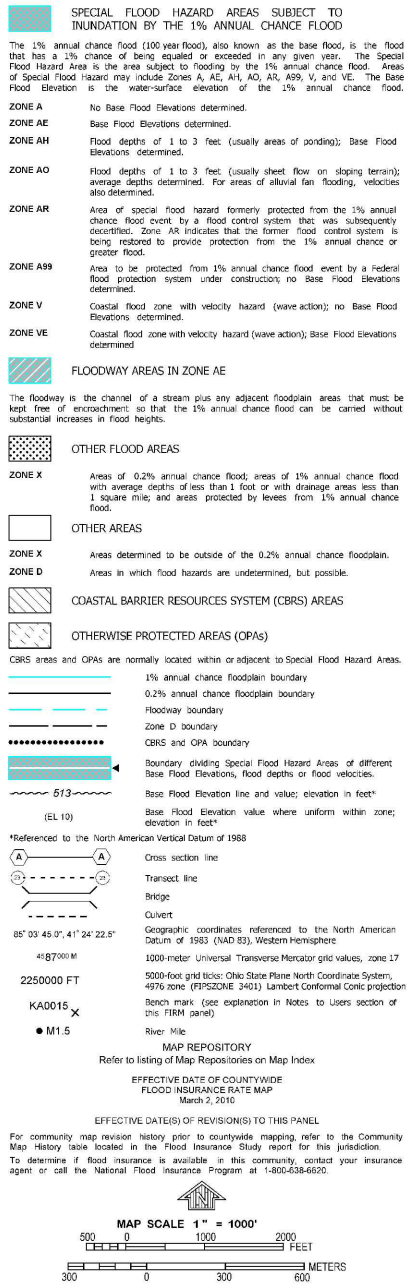
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Figure 1



SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual chance flood (100 year flood), also known as the base flood, is the flood that has a 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is the area subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard may include Zones A, AE, AH, AO, AH, 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
Area of special flood hazard formerly protected from the 1% annual chance flood event by a flood control system that was subsequently certified. Zone AR indicates that the former flood control system has been restored to provide protection from the 1% annual chance or greater flood.

ZONE A99
Area to be protected from 1% annual chance flood event by a Federal flood protection system under construction; no Base Flood Elevations determined.

ZONE V
Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE
Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be kept free of obstruction, that the 1% annual chance flood can be carried without substantial increases in flood heights.

OTHER FLOOD AREAS

ZONE X
Areas of 0.2% annual chance flood; areas of 1% annual chance flood with average depths of less than 1 foot or with drainage areas less than 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE X
Areas determined to be outside of the 0.2% annual chance floodplain.

ZONE D
Areas in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

- 1% annual chance floodplain boundary
- 0.2% annual chance floodplain boundary
- Floodway boundary
- Zone D boundary
- CBRS and OPA boundary
- Boundary dividing Special Flood Hazard areas of different Base Flood Elevations, flood depths or flood velocities.
- Base Flood Elevation line and value; elevation in feet*
- Base Flood Elevation value where uniform within zone; elevation in feet*

*Referenced to the North American Vertical Datum of 1988

(EL 10)

85° 09' 45.0", 41° 24' 22.5"

±87900' M

2250000 FT

KAD015

M 1:5

MAP REPOSITORY

Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYPEWIDE FLOOD INSURANCE RATE MAP

March 2, 2016

NO EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL


For community map revision category (P) 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.

MAP SCALE 1" = 1000'

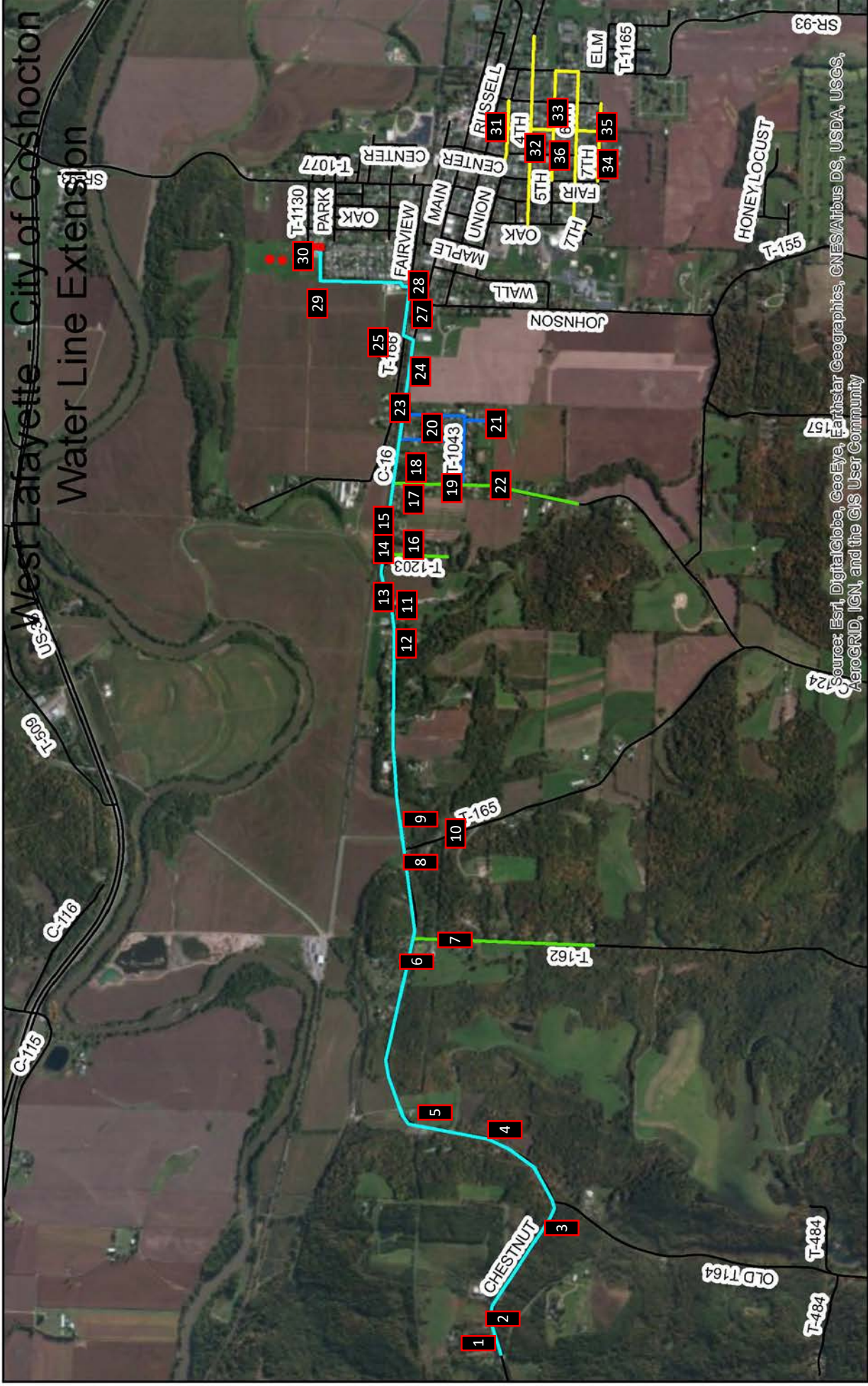
500 1000 2000 FEET

300 0 300 600 METERS

<div style="writing-mode: vertical-rl; transform: rotate(180deg);"> NATIONAL FLOOD INSURANCE PROGRAM </div>	PANEL 0220C			
	FIRM			
	FLOOD INSURANCE RATE MAP			
	COSHOCTON COUNTY, OHIO			
	AND INCORPORATED AREAS			
	PANEL 220 OF 405			
	(SEE MAP INDEX FOR FIRM PANEL LAYOUT)			
	<u>CONTAINS</u>			
	<u>COMMUNITY</u>	<u>NUMBER</u>	<u>PANEL</u>	<u>SUFFIX</u>
	COSHOCTON, CITY OF	330068	0220	C
COSHOCTON COUNTY	390765	0220	C	
WEST LAFFETTE, VILLAGE OF	390814	0220	C	
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 39031C0220C		
EFFECTIVE DATE MARCH 2, 2010		Federal Emergency Management Agency		

Photographs
of the
West Lafayette Water Line Extension
City of Coshocton, Ohio

~~Lafayette - City of Coshocton
Water Line Extension~~



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Proposed Waterlines

- 12" Waterline — 6" Waterline
8" Waterline — Waterline Replacement
● Water Wells To Be Abandoned
■ Water Treatment Plant To Be Decommissioned

10 Photo Location



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1. County Road 16 (looking W) near starting point of pipeline extension.



2. County Road 16 (looking east).



3. County Road 16 looking West.



4. County Road 16 looking East



5. County Road 16 looking East at Morgan Run stream.



6. County Road 16 looking West.



7. Area 1, Township Road 162 (looking South).



8. County Road 16, looking West



9. County Road 16 (looking East) along Pipeline Alignment.



10. Stream Channel at Township Road 165 (looking South)



11. Unnamed tributary looking South.



12. County Road 16 looking West along Pipeline Alignment.



13. County Rd 16, looking E along water line alignment.



14. County Rd 16, looking West along water line alignment.



15. County Rd 16, looking E along water line alignment.



16. Area #2, looking South along water line alignment.



17. County Rd 16, looking W along alignment.



18. County Rd 16, looking E along water line alignment.



19. Area 3 looking S.



20 Area 3 looking S.



21. Area #3 looking W.



22. Area #3, looking South.



23. Cty Rd 16 at Area #3, looking E along alignment.



24. Cty Rd 16, looking E at West Lafayette Corporation Limits.



25. Looking S from Township Rd #166 at Railroad boring area.



26. Township Rd 166 at looking East at Railroad Boring area.



27. Township Rd 166, looking E along water line alignment.



28. Looking N along private driveway easement alignment.



29. Final approach to Water Treatment Plant, looking E.



30. West Lafayette Water Treatment Plant.



31. W. Lafayette Low Pressure Area, Gay and Union Street.



32. W. Lafayette Low Pressure Area, looking S along Gay St.



33. W. Lafayette Low Pressure Area, looking S along Gay St.



34. W. Lafayette Low Pressure area, looking W along 7th Street.



35. W. Lafayette Low Pressure Area, Gay and 7th St, looking N.



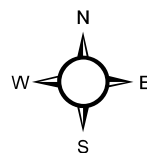
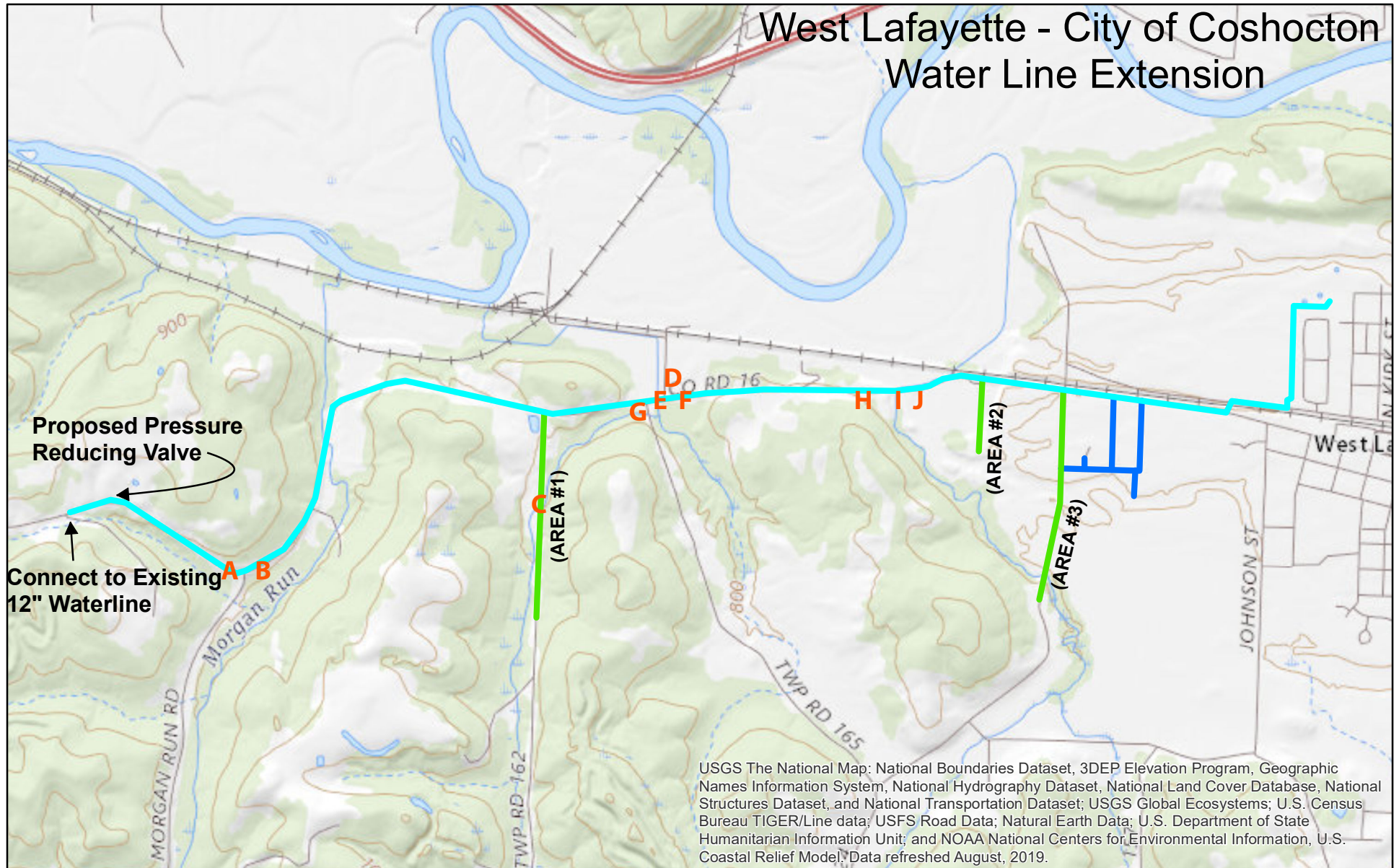
36. W. Lafayette Low Pressure Area, looking W along 6th St.

Additional Photos

Stream Crossing Areas

West Lafayette Water Line Extension Project

West Lafayette - City of Coshocton Water Line Extension



A = STREAM CROSSING PHOTO

Proposed Waterlines

- 12" Waterline
- 8" Waterline
- 6" Waterline



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Sources: Esri, ODOT, DeLorme, USGS, Intermap, Increment P Corp., NRCAN, Esri Japan, METI, OpenStreetMap, GIS User Community, GLCAP. Map Created 10/2/2019

PHOTO "A"

Morgan Run Looking E along
County Rd 16 Alignment



PHOTO "B"



Morgan Run Looking W along County Rd 16 Alignment

Photo "C"



Unnamed Trib along T-162 Looking W

PHOTO "D"



Unnamed tributary at TWP Rd 165 looking S.

PHOTO "E"



Unnamed Trib along County Rd 16 and Twp Rd 165, looking S from headwall.

PHOTO F



Looking E along County Rd 16 alignment, from Trib at Twp Rd 165 and County Rd 16.

PHOTO "G"



Looking W along County Rd 16 Alignment, from Trib at Twp Rd 165 and County Rd 16

PHOTO "H"

Unnamed Tributary near Rd T-1203 and County Rd 16
Looking West Along County Rd 16 Alignment



PHOTO "I"



Unnamed Tributary Looking S, Near Road T-1203 and County Rd 16

PHOTO "J"

Unnamed Trib Near Rd T-1203 and County Rd 16
Looking West Along Rd 16 Alignment

