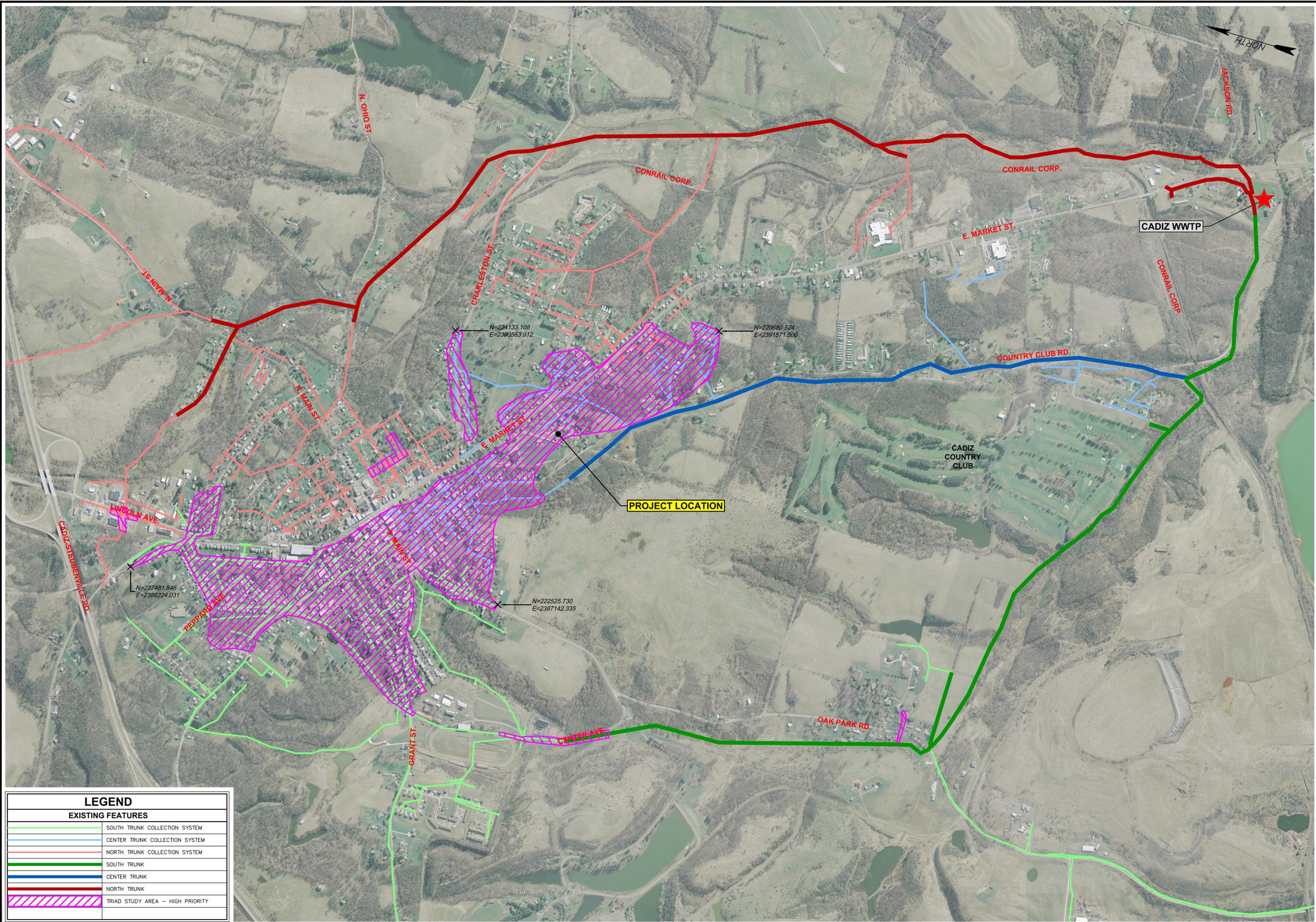


# **APPENDIX A**

## **EXHIBITS**

Plotted by: shira  
 filename: I:\pennsylvania\101618\south and center collection system improvements\cad\chals\project location-2.dwg



**LEGEND**

**EXISTING FEATURES**

	SOUTH TRUNK COLLECTION SYSTEM
	CENTER TRUNK COLLECTION SYSTEM
	NORTH TRUNK COLLECTION SYSTEM
	SOUTH TRUNK
	CENTER TRUNK
	NORTH TRUNK
	TRIAD STUDY AREA - HIGH PRIORITY

**E.L. ROBINSON ENGINEERING**  
 5068 Washington Street, West  
 Charleston, West Virginia 25313  
 Phone: 304-776-7473  
 Fax: 304-776-6426  
 www.elrobinsoneengineering.com

PLANS PREPARED FOR:  
 VILLAGE OF CADIZ  
 HARRISON COUNTY, OHIO

PROJECT LOCATION

NO.	DATE	REVISION	BY

GRAPHIC SCALE  
 0 400' 800' 1600'

PROJECT NUMBER	1016188
DATE	12/28/2016
SHEET NUMBER	1

PROJECT LOCATION
------------------

**APPENDIX B**  
**AGENCY CORRESPONDENCE**



December 16, 2016

Steve Baker  
State Soil Scientist  
Natural Resource Conservation Service  
200 North High Street, Room 522  
Columbus, OH 43215

**Subject: Village of Cadiz  
South and Center Collection System Improvements**

Dear Mr. Baker:

The Village of Cadiz (Village) is in the process of performing an environmental review in order that it may assess the environmental impacts of making improvements to its existing wastewater collection system in Harrison County, Ohio. Enclosed is a topographic map that depicts the proposal's area of potential effect for all construction activities. A Farmland Classification Report / Map has been enclosed to facilitate review.

The improvements will be limited to the areas identified as High Priority as shown on the enclosed topographic map. The project will include approximately 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

Replacement lines will be installed, to the fullest extent feasible, in existing sewer and/or road rights-of-way. The lines will be installed between approximately 3 and 12 feet deep.

The Village requests information on the possible effects of the proposal on important farmland and any recommendations you have to minimize or avoid these effects. We also seek your assessment of the compatibility of the proposal with state and local government or any private programs and policies to protect important farmland.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact the undersigned.

Sincerely,

Jack E. Ramsey, P.E.  
Project Manager  
[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Enclosure

**FARMLAND CONVERSION IMPACT RATING  
FOR CORRIDOR TYPE PROJECTS**

<b>PART I (To be completed by Federal Agency)</b>		3. Date of Land Evaluation Request <b>12/16/16</b>	4. Sheet 1 of <b>1</b>
1. Name of Project <b>Cadiz South/Center Collection System Improvements</b>		5. Federal Agency Involved <b>USDA</b>	
2. Type of Project <b>Wastewater</b>		6. County and State <b>Harrison, OH</b>	
<b>PART II (To be completed by NRCS)</b>		1. Date Request Received by NRCS <b>12/16/16</b>	2. Person Completing Form <b>Steve Baker</b>
3. Does the corridor contain prime, unique statewide or local important farmland? (If no, the FPPA does not apply - Do not complete additional parts of this form.) YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>		4. Acres Irrigated   Average Farm Size	
5. Major Crop(s)	6. Farmable Land in Government Jurisdiction Acres: _____ %		7. Amount of Farmland As Defined in FPPA Acres: _____ %
8. Name Of Land Evaluation System Used	9. Name of Local Site Assessment System	10. Date Land Evaluation Returned by NRCS <b>1/5/17</b>	

<b>PART III (To be completed by Federal Agency)</b>	<b>Alternative Corridor For Segment _____</b>			
	Corridor A	Corridor B	Corridor C	Corridor D
A. Total Acres To Be Converted Directly				
B. Total Acres To Be Converted Indirectly, Or To Receive Services				
C. Total Acres In Corridor				

<b>PART IV (To be completed by NRCS) Land Evaluation Information</b>				
A. Total Acres Prime And Unique Farmland				
B. Total Acres Statewide And Local Important Farmland				
C. Percentage Of Farmland in County Or Local Govt. Unit To Be Converted				
D. Percentage Of Farmland in Govt. Jurisdiction With Same Or Higher Relative Value				

**PART V (To be completed by NRCS) Land Evaluation Information Criterion Relative value of Farmland to Be Serviced or Converted (Scale of 0 - 100 Points)**

<b>PART VI (To be completed by Federal Agency) Corridor Assessment Criteria (These criteria are explained in 7 CFR 658.5(c))</b>	Maximum Points				
1. Area in Nonurban Use	15				
2. Perimeter in Nonurban Use	10				
3. Percent Of Corridor Being Farmed	20				
4. Protection Provided By State And Local Government	20				
5. Size of Present Farm Unit Compared To Average	10				
6. Creation Of Nonfarmable Farmland	25				
7. Availability Of Farm Support Services	5				
8. On-Farm Investments	20				
9. Effects Of Conversion On Farm Support Services	25				
10. Compatibility With Existing Agricultural Use	10				
<b>TOTAL CORRIDOR ASSESSMENT POINTS</b>	<b>160</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

<b>PART VII (To be completed by Federal Agency)</b>					
Relative Value Of Farmland (From Part V)	100	0	0	0	0
Total Corridor Assessment (From Part VI above or a local site assessment)	160	0	0	0	0
<b>TOTAL POINTS (Total of above 2 lines)</b>	<b>260</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>

1. Corridor Selected:	2. Total Acres of Farmlands to be Converted by Project:	3. Date Of Selection:	4. Was A Local Site Assessment Used?  YES <input type="checkbox"/> NO <input type="checkbox"/>
-----------------------	---	-----------------------	--

5. Reason For Selection:  
**NRCS Note: Work occurring in ROW and areas committed to urban development. Not subject to FPPA**

Signature of Person Completing this Part: Jack E. Ramsey | DATE 1/5/17

**NOTE: Complete a form for each segment with more than one Alternate Corridor**



December 16, 2016

Ohio Department of Natural Resources  
2045 Morse Road  
Columbus, OH 43229

**Subject: Village of Cadiz  
South and Center Collection System Improvements**

To Whom It May Concern:

The Village of Cadiz (Village) is in the process of performing an environmental review in order that it may assess the environmental impacts of making improvements to its existing wastewater collection system in Harrison County, Ohio. Enclosed is a topographic map that depicts the proposal's area of potential effect for all construction activities.

The improvements will be limited to the areas identified as High Priority as shown on the enclosed topographic map. The project will include approximately 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

Replacement lines will be installed, to the fullest extent feasible, in existing sewer and/or road rights-of-way. The lines will be installed between approximately 3 and 12 feet deep.

Please advise us of any present concerns you may have related to possible effects of the project listed above on floodplains as well as any permitting requirements or concerns.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact the undersigned.

Sincerely,

Jack E. Ramsey, P.E.  
Project Manager  
[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Enclosure



# Ohio Department of Natural Resources

JOHN R. KASICH, GOVERNOR

JAMES ZEHRINGER, DIRECTOR

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

February 10, 2017

Jack Ramsey  
EL Robinson Engineering  
5088 Washington St. West  
Charleston, West Virginia 25313

**Re:** 17-005; Village of Cadiz - South and Center Collection System Improvements

**Project:** The proposed project involves the installation of 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

**Location:** The proposed project is located in Cadiz Township, Belmont County, Ohio.

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

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

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

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

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

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

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

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

The project is within the range of the black bear (*Ursus americanus*), a state endangered species. Due to the mobility of this species, this project is not likely to impact this species.

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

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

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

<http://water.ohiodnr.gov/water-use-planning/floodplain-management#PUB>

ODNR appreciates the opportunity to provide these comments. Please contact John Kessler at (614) 265-6621 if you have questions about these comments or need additional information.

John Kessler

ODNR Office of Real Estate  
2045 Morse Road, Building E-2  
Columbus, Ohio 43229-6693  
John.Kessler@dnr.state.oh.us



December 16, 2016

Tyler J. Bintrim  
Regulatory Project Manager  
U.S. Army Corps of Engineers - Pittsburgh District  
Federal Building, 20th Floor  
1000 Liberty Avenue  
Pittsburgh, PA 15222

**Subject: Village of Cadiz  
South and Center Collection System Improvements**

Dear Mr. Bintrim:

The Village of Cadiz (Village) is in the process of performing an environmental review in order that it may assess the environmental impacts of making improvements to its existing wastewater collection system in Harrison County, Ohio. Enclosed is a topographic map that depicts the proposal's area of potential effect for all construction activities. A Soils Report / Map and Wetlands Inventory Maps are included to facilitate review.

The improvements will be limited to the areas identified as High Priority as shown on the enclosed topographic map. The project will include approximately 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

Replacement lines will be installed, to the fullest extent feasible, in existing sewer and/or road rights-of-way. The lines will be installed between approximately 3 and 12 feet deep.

Please advise us of any present concerns you may have related to possible effects of the project listed above on wetlands and water quality to the surrounding environment as well as any permitting requirements or concerns.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact the undersigned.

Sincerely,

Jack E. Ramsey, P.E.  
Project Manager  
[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Enclosure

**From:** [Bintrim, Tyler J CIV USARMY CELRP \(US\)](#)  
**To:** [Jack Ramsey](#)  
**Subject:** Re: [EXTERNAL] RE: 2012-1243 Cadiz South and Center Collection System Improvements  
**Date:** Tuesday, January 10, 2017 6:14:28 AM

---

I got a letter from you indicating the alignment of the South and Center Collection systems seeking our input. I can't tell from a location map, NWI, and soils map exactly where wetlands are so I'm asking for a delineation. Fill in streams and wetlands will require a permit.

Thanks,  
Ty

Sent from my BlackBerry 10 smartphone on the Verizon Wireless 4G LTE network.

Original Message  
From: Jack Ramsey  
Sent: Monday, January 9, 2017 4:45 PM  
To: Bintrim, Tyler J CIV USARMY CELRP (US)  
Subject: [EXTERNAL] RE: 2012-1243 Cadiz South and Center Collection System Improvements

I am not for sure what you mean?

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

From: Bintrim, Tyler J CIV USARMY CELRP (US) [<mailto:tyler.j.bintrim@usace.army.mil>]  
Sent: Monday, January 09, 2017 9:39 AM  
To: Jack Ramsey <[JRamsey@elrobinson.com](mailto:JRamsey@elrobinson.com)>  
Subject: 2012-1243 Cadiz South and Center Collection System Improvements

Jack,

I am in receipt of your December 16, 2016, letter and mapping regarding the Cadiz South and Center Collection System Improvements. As in the past any impacts to streams or wetlands involving fill would require a Nationwide Permit 12. Please delineate the project area and submit assuming you have impacts to aquatic resources.

Thank you,

Tyler J. Bintrim  
Regulatory Project Manager  
U.S. Army Corps of Engineers Pittsburgh District Federal Building, 20th Floor  
1000 Liberty Avenue  
Pittsburgh, PA 15222

Blocked[www.lrp.usace.army.mil](http://www.lrp.usace.army.mil)

P: 412-395-7115



5088 Washington St. West  
Charleston, WV 25313

December 16, 2016

Rachel Taulbee  
OEPA  
2195 Front Street  
Logan, OH 431380

**Subject: Village of Cadiz  
South and Center Collection System Improvements**

Dear Ms. Taulbee:

The Village of Cadiz (Village) is in the process of performing an environmental review in order that it may assess the environmental impacts of making improvements to its existing wastewater collection system in Harrison County, Ohio. Enclosed is a topographic map that depicts the proposal's area of potential effect for all construction activities. A Soils Report / Map and Wetlands Inventory Maps are included to facilitate review.

The improvements will be limited to the areas identified as High Priority as shown on the enclosed topographic map. The project will include approximately 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

Replacement lines will be installed, to the fullest extent feasible, in existing sewer and/or road rights-of-way. The lines will be installed between approximately 3 and 12 feet deep.

Please advise us of any present concerns you may have related to possible effects of the project listed above on wetlands and water quality to the surrounding environment as well as any permitting requirements or concerns.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact the undersigned.

Sincerely,

Jack E. Ramsey, P.E.  
Project Manager  
[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Enclosure



John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Craig W. Butler, Director

December 21, 2016

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

**Subject: Village of Cadiz, South and Central Collection System Improvements**

Dear Mr. Ramsey:

This letter is in reference to your letter dated December 16, 2016 requesting consultation with the Division of Surface Water regarding your project to construct 50,680 linear feet (lf) of gravity sewer pipe, 700 lf of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances located near the Village of Cadiz in Harrison County.

Based upon information provided within your request, it appears that your project will result in the placement of fill material into waters of the state. Ohio EPA understands the appropriate CWA Section 404 permitting through the United States Army Corps of Engineers is currently being pursued. Please ensure all necessary permits are obtained prior to the placement of fill into waters of the state.

In the event earth disturbing activities are greater than one acre, coverage under Ohio EPA's "General Storm Water Permit Associated with Construction Activities" is required. Information regarding the permit, application, and guidance documents can be found at <http://www.epa.ohio.gov/dsw/storm/index.aspx#108452493-construction-activities>.

If you have any questions, please contact me at 740-380-5433 or via email at [rachel.taulbee@epa.ohio.gov](mailto:rachel.taulbee@epa.ohio.gov).

Sincerely,

A handwritten signature in blue ink that reads "Rachel Taulbee".

Rachel Taulbee  
Environmental Supervisor  
401/Water Quality Section  
Division of Surface Water

RT/dh

ec: Emily Poling, DSW, SEDO



December 16, 2016

Ohio Historic Preservation Office  
Ohio History Center  
800 East 17<sup>th</sup> Avenue  
Columbus, OH 43211

**Subject: Village of Cadiz  
South and Center Collection System Improvements**

To Whom It May Concern:

The Village of Cadiz (Village) is in the process of performing an environmental review in order that it may assess the environmental impacts of making improvements to its existing wastewater collection system in Harrison County, Ohio. Enclosed is a topographic map that depicts the proposal's area of potential effect for all construction activities.

The improvements will be limited to the areas identified as High Priority as shown on the enclosed topographic map. The project will include approximately 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

Replacement lines will be installed, to the fullest extent feasible, in existing sewer and/or road rights-of-way. The lines will be installed between approximately 3 and 12 feet deep.

The Village requests the assistance of your office in identifying known archaeological sites and historic properties that are listed in the 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 any further information or wish to discuss the project, please contact the undersigned.

Sincerely,

Jack E. Ramsey, P.E.  
Project Manager  
[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Enclosure



In reply refer to  
2016-HAS-37381-1

January 10, 2017

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

Dear Mr. Ramsey:

RE: South and Center Collection System Improvements, Cadiz, Harrison County, Ohio

This is in response to your transmittal, received on December 19, 2016, concerning the proposed project. The comments of the State Historic Preservation Office are submitted in accordance with the provisions of Section 106 of the National Historic Preservation Act of 1966, as amended.

The project involves replacement of wastewater collection lines in large portion of Cadiz, Harrison County, Ohio. A check of our records shows that the project area has not been surveyed. Given the presence of sites on similar topography, we recommend that a preliminary archaeological survey be conducted to identify sites in this area.

A survey will include a review of records and documents and a field investigation, generally excavation of small subsurface test units or if the ground surface is visible, surface collection. Frequently, enough information is obtained from the survey that the archaeologists can make recommendations on the National Register eligibility of historic properties or recommend further investigation.

Additionally, any buildings that appear to be over 50 years old in the area of Potential Effect (APE) should be documented and evaluated for National Register eligibility.

If you need a list of consultants, please call me at (614) 298-2000 or check our website at [www.ohiohistory.org/resource/histpres/services](http://www.ohiohistory.org/resource/histpres/services). Thank you for your cooperation.

Sincerely,

A handwritten signature in black ink that reads "Nathan J. Young".

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



December 16, 2016

US Fish and Wildlife Service  
4625 Morse Road, Suite 104  
Columbus, OH 43230

**Subject: Village of Cadiz  
South and Center Collection System Improvements**

To Whom It May Concern:

The Village of Cadiz (Village) is in the process of performing an environmental review in order that it may assess the environmental impacts of making improvements to its existing wastewater collection system in Harrison County, Ohio. Enclosed is a topographic map that depicts the proposal's area of potential effect for all construction activities.

The improvements will be limited to the areas identified as High Priority as shown on the enclosed topographic map. The project will include approximately 50,680 linear feet of gravity sewer pipe, 700 linear feet of gravity sewer pipe rehabilitation, 83 manholes, 186 vertical feet of manhole rehabilitation and all necessary appurtenances.

Replacement lines will be installed, to the fullest extent feasible, in existing sewer and/or road rights-of-way. The lines will be installed between approximately 3 and 12 feet deep.

The proposal should not represent a "major construction activity" as defined in 50 CFR 402.02. We request a list of any Federally-listed or proposed threatened or endangered species and designated or proposed critical habitat that may be present in the project area. In addition, please advise us of any present concerns you may have related to possible effects of the project listed above on such species or critical habitat, as well as any other wildlife concerns.

We would appreciate a response within 30 days. If you need any further information or wish to discuss the project, please contact the undersigned.

Sincerely,

Jack E. Ramsey, P.E.  
Project Manager  
[jramsey@elrobinson.com](mailto:jramsey@elrobinson.com)

Enclosure

Jack Ramsey

---

**From:** susan\_zimmermann@fws.gov on behalf of Ohio, FW3 <ohio@fws.gov>  
**Sent:** Wednesday, December 21, 2016 11:03 AM  
**To:** Jack Ramsey  
**Cc:** nathan.reardon@dnr.state.oh.us; kate.parsons@dnr.state.oh.us  
**Subject:** Village of Cadiz - South & Center Collection System, Harrison County OH



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



TAILS# 03E15000-2017-TA-0429

Dear Mr. Ramsey,

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

The U.S. Fish and Wildlife Service (Service) recommends that proposed developments avoid and minimize water quality impacts and impacts to high quality fish and wildlife habitat (e.g., forests, streams, wetlands). Additionally, natural buffers around streams and wetlands should be preserved to enhance beneficial functions. If streams or wetlands will be impacted, the Corps of Engineers should be contacted to determine whether a Clean Water Act section 404 permit is required. Best management practices should be used to minimize erosion, especially on slopes. All disturbed areas should be mulched and revegetated with native plant species. Prevention of non-native, invasive plant establishment is critical in maintaining high quality habitats.

**FEDERALLY LISTED SPECIES COMMENTS:** All projects in the State of Ohio lie within the range of the federally endangered **Indiana bat** (*Myotis sodalis*) and the federally threatened **northern long-eared bat** (*Myotis septentrionalis*). In Ohio, presence of the Indiana bat and northern long-eared bat is assumed wherever suitable habitat occurs unless a presence/absence survey has been performed to document absence. Suitable summer habitat for Indiana bats and northern long-eared bats consists of a wide variety of forested/wooded habitats where they roost, forage, and travel and may also include some adjacent and interspersed non-forested habitats such as emergent wetlands and adjacent edges of agricultural fields, old fields and pastures. This includes forests and woodlots containing potential roosts (i.e., live trees and/or snags  $\geq 3$  inches

diameter at breast height (dbh) that have any exfoliating bark, cracks, crevices, hollows and/or cavities), as well as linear features such as fencerows, riparian forests, and other wooded corridors. These wooded areas may be dense or loose aggregates of trees with variable amounts of canopy closure. Individual trees may be considered suitable habitat when they exhibit the characteristics of a potential roost tree and are located within 1,000 feet (305 meters) of other forested/wooded habitat. Northern long-eared bats have also been observed roosting in human-made structures, such as buildings, barns, bridges, and bat houses; therefore, these structures should also be considered potential summer habitat. In the winter, Indiana bats and northern long-eared bats hibernate in caves and abandoned mines.

Should the proposed site contain trees  $\geq 3$  inches dbh, we recommend that trees be saved wherever possible. If any caves or abandoned mines may be disturbed, further coordination with this office is requested to determine if fall or spring portal surveys are warranted. If no caves or abandoned mines are present and trees  $\geq 3$  inches dbh cannot be avoided, we recommend that removal of any trees  $\geq 3$  inches dbh only occur between October 1 and March 31. Seasonal clearing is being recommended to avoid adverse effects to Indiana bats and northern long-eared bats. While incidental take of northern long-eared bats from most tree clearing is exempted by a 4(d) rule (see <http://www.fws.gov/midwest/angered/mammals/nleb/index.html>), incidental take of Indiana bats is still prohibited without a project-specific exemption. Thus, seasonal clearing is recommended where Indiana bats are assumed present.

If implementation of this seasonal tree cutting recommendation is not possible, summer surveys may be conducted to document the presence or probable absence of Indiana bats within the project area during the summer. If a summer survey documents probable absence of Indiana bats, the 4(d) rule for the northern long-eared bat could be applied. Surveys must be conducted by an approved surveyor and be designed and conducted in coordination with the Endangered Species Coordinator for this office. Surveyors must have a valid federal permit. Please note that summer surveys may only be conducted between June 1 and August 15.

If there is a federal nexus for the project (e.g., federal funding provided, federal permits required to construct), no tree clearing should occur on any portion of the project area until consultation under section 7 of the ESA, between the Service and the federal action agency, is completed. We recommend that the federal action agency submit a determination of effects to this office, relative to the Indiana bat and northern long-eared bat, for our review and concurrence.

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

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

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

Sincerely,

A handwritten signature in blue ink, appearing to read "Dan Everson". The signature is fluid and cursive, with the first name "Dan" being more prominent.

Dan Everson  
Field Office Supervisor

cc: Nathan Reardon, ODNR-DOW

Kate Parsons, ODNR-DOW

**APPENDIX C**  
**MAILING LIST**

**Section 594 Village of Cadiz  
South and Center  
Wastewater Collection System Improvements Project  
Harrison County, Ohio  
Draft Environmental Assessment Mailing List**

**Federal Agencies and Officials**

The Honorable Sherrod Brown  
United States Senate  
200 North High St.  
Room 614  
Columbus, OH 43215

The Honorable Rob Portman  
United States Senate  
37 West Broad Street  
Room 300  
Columbus, OH 43215

The Honorable Bob Gibbs  
United States House of Representatives  
110 Central Plaza South  
Canton, OH 44702

Mr. Steve Baker  
USDA Natural Resources Conservation  
Service  
200 North High Street, Room 522,  
Columbus, OH 43215

US EPA Region 5  
Ralph Metcalfe Federal Building  
77 West Jackson Blvd.  
Chicago, IL 60604-3590

Mr. Jeromy Applegate  
United States Fish and Wildlife Services  
4625 Morse Road, Suite 104  
Columbus, OH 43230

**State Agencies and Officials**

The Honorable Mike DeWine  
Governor of Ohio  
Riffe Center, 77th Floor  
77 South High Street  
Columbus, OH 43215-6117

Mr. John Kessler  
Ohio Division of Natural Resources  
2045 Morse Road, Building E-2  
Columbus, OH 43229

Ms. Amanda Terrell  
State Historic Preservation Office  
Ohio History Center  
800 E. 17th Ave.  
Columbus, OH 43211

Mr. Jeffery Boyles  
Ohio Environmental Protection Agency  
P.O. Box 1049  
Columbus, OH 43216-1049

**County Agencies and Officials**

Puskarich Public Library  
200 E Market St  
Cadiz, OH 43907

Harrison County Engineer  
100 West Market Street  
Cadiz, Ohio 43907