

AMENDMENTS TO AREAWIDE WATER QUALITY PLAN,  
MAHONING AND TRUMBULL COUNTIES, OHIO

Eastgate Regional Council of Governments

Documents Certified  
pursuant to Section 208 of the Clean Water Act

STATE OF OHIO

Ohio Environmental Protection Agency  
Division of Surface Water

2006

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List of Section 208 Plan Materials for Certification - Final 2006

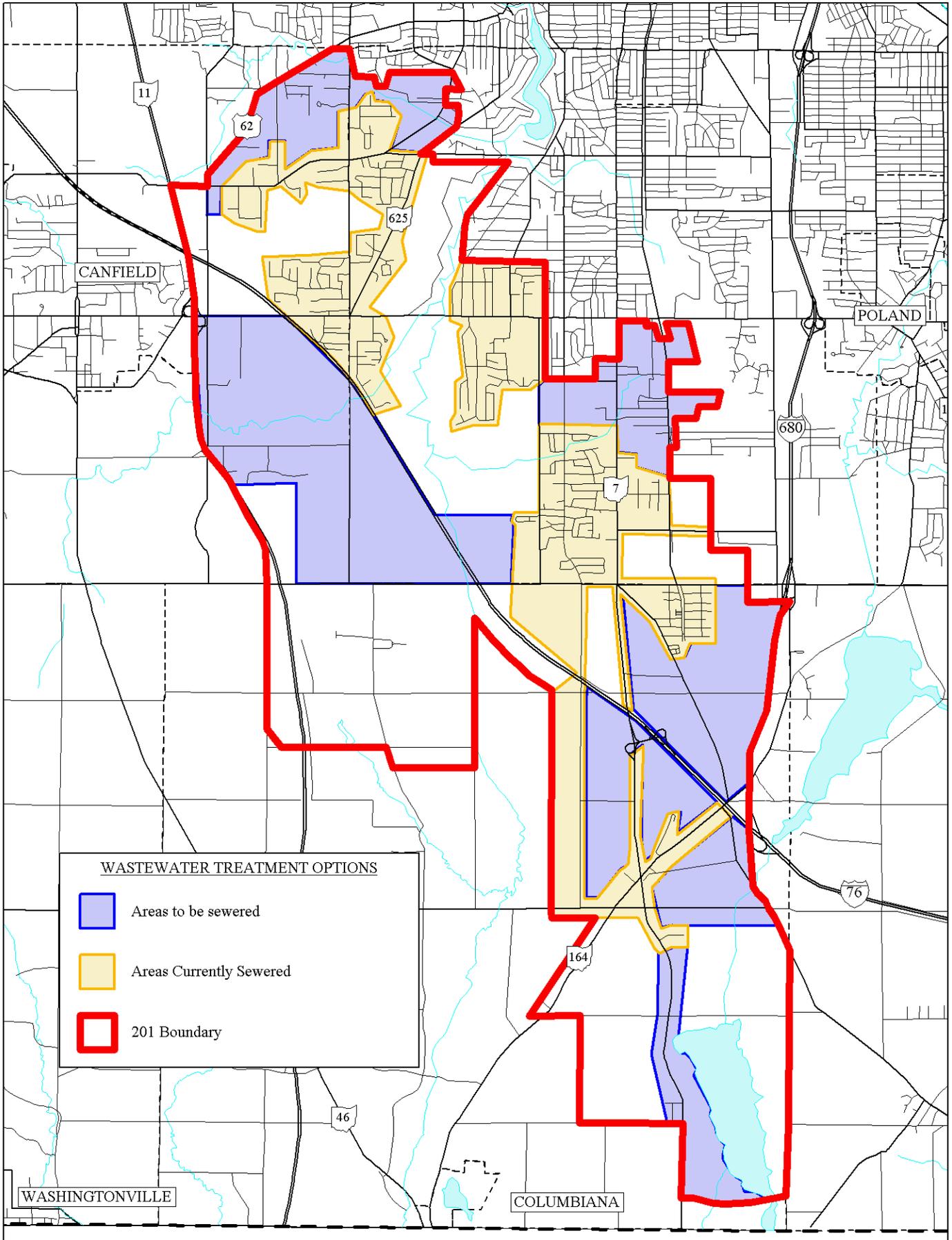
The regional or areawide planning agency listed below has prepared and adopted, pursuant to their bylaws, the Section 208 plan updates described below. Ohio EPA is charged with reviewing these materials to ensure the following:

- ▶ the documents are consistent with basin plans;
- ▶ the documents (original plan and updates) cover the required planning elements; and
- ▶ the documents (plans) are consistent with one another.

Ohio EPA staff concluded the above criteria are satisfied. The following documents have been certified by the State of Ohio as an update to the Areawide Waste Treatment Management Plans prepared pursuant to Section 208 of the Clean Water Act and the State's Water Quality Management Plan maintained pursuant to Section 303 of the Clean Water Act.

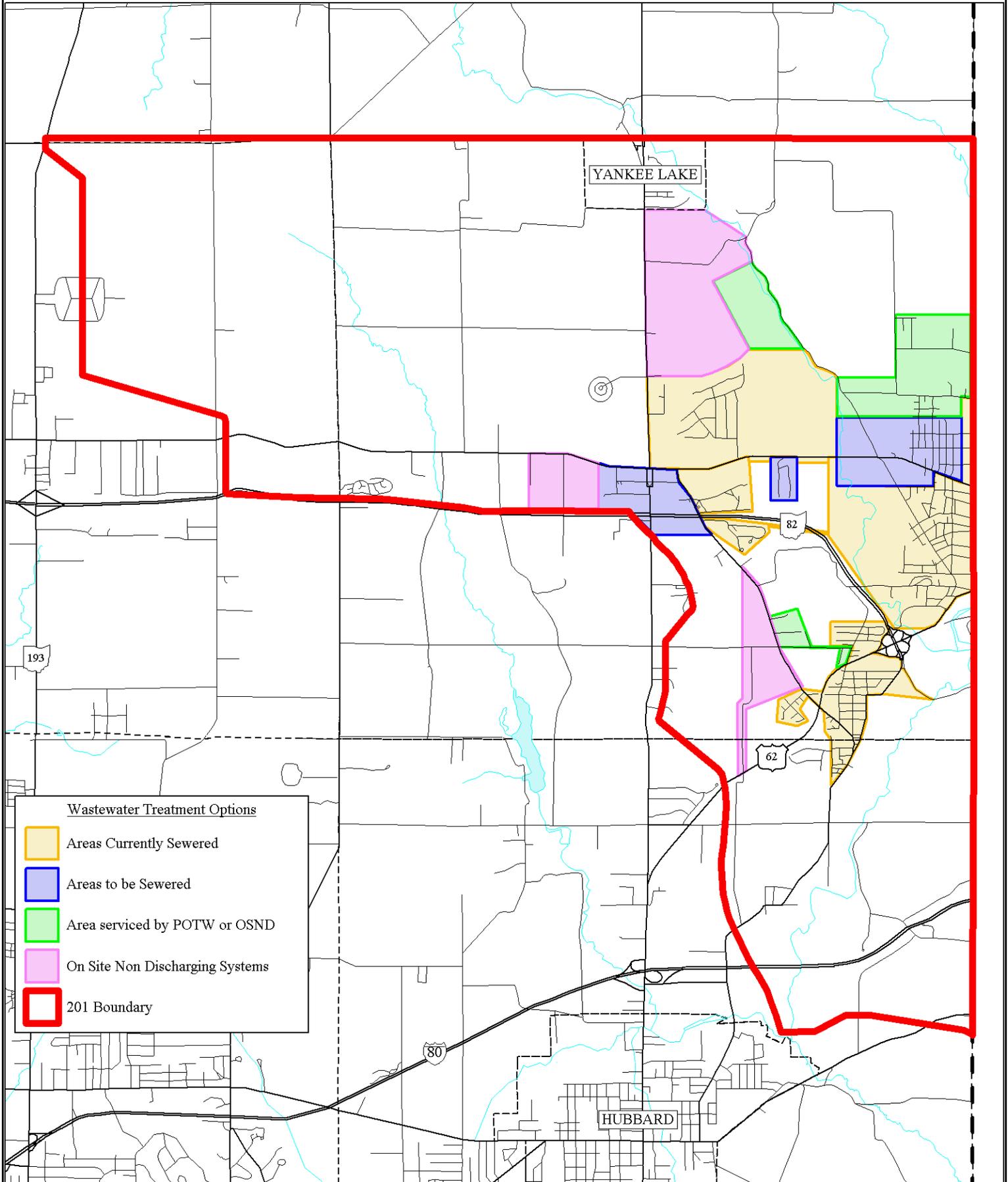
Item or Document	Description	Supplemental Materials on File
<b>Eastgate Regional Council of Governments (ERCOG)</b>		
updated 201 Facility Planning Area (FPA) Maps (for 19 FPAs); Wastewater prescriptions for Mahoning and Trumbull Counties; and FPA amendment process (includes the listing of primary and secondary designated management agencies)	Revision of designated management agency status and facility planning area boundaries in Mahoning and Trumbull Counties involving these <i>FPAs</i> and sewer service in these local communities: <ul style="list-style-type: none"> <li>▶ <i>Alliance</i> (FPA in NEFCO's 208 plan; City of Sebring &amp; Smith Twp)</li> <li>▶ <i>Boardman</i> (Boardman, Canfield &amp; Beaver Twps)</li> <li>▶ <i>Brookfield</i> (Brookfield &amp; Hubbard Twps)</li> <li>▶ <i>Campbell</i> (City of Campbell)</li> <li>▶ <i>Craig Beach</i> (Village of Craig Beach, Milton Twp)</li> <li>▶ <i>Damascus</i> (Goshen Twp &amp; Butler Twp, Columbiana Co)</li> <li>▶ <i>Diehl Lake</i> (Ellsworth Twp)</li> <li>▶ <i>New Middletown</i> (Village of New Middletown &amp; Springfield Twp)</li> <li>▶ <i>Girard</i> (City of Girard, Weathersfield &amp; Liberty Twps)</li> <li>▶ <i>Hubbard</i> ( City of Hubbard &amp; Hubbard Twp)</li> <li>▶ <i>Kinsman</i> (Kinsman Twp)</li> <li>▶ <i>Lowellville</i> (Village of Lowellville)</li> <li>▶ <i>Meander</i> (City of Canfield, Austintown, Canfield, Jackson &amp; Weathersfield Twps)</li> <li>▶ <i>Mosquito Creek</i> (Cities of Warren, Niles &amp; Cortland, Howland, Mecca, Bazetta and Vienna Twps)</li> <li>▶ <i>Newton Falls</i> (City of Newton Falls, Newton &amp; Braceville Twp)</li> <li>▶ <i>Niles</i> (City of Niles, Village of McDonald, Weathersfield &amp; Howland Twps)</li> <li>▶ <i>Petersburg</i> (Springfield Twp)</li> <li>▶ <i>Struthers</i> (City of Struthers, Village of Poland, Boardman, Poland, Springfield and Beaver Twps)</li> <li>▶ <i>Warren</i> (City of Warren, Village of Lordstown, Champion, Warren and Howland Twps)</li> <li>▶ <i>Youngstown</i> (City of Youngstown, Boardman, Austintown, Canfield and Liberty Twps)</li> </ul>	<ol style="list-style-type: none"> <li>1. Letter requesting certification of amendments (11/04/05)</li> <li>2. General Policy Board (GPB) resolution # 024-2001</li> <li>3. GPB resolution # 058-2001</li> <li>4. GPB resolution # 046-2003</li> <li>5. GPB resolution # 033-2004</li> </ol>

# BOARDMAN 201 Facility Planning Area



# BROOKFIELD

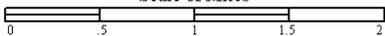
## 201 Facility Planning Area



**Wastewater Treatment Options**

- Areas Currently Sewered
- Areas to be Sewered
- Area serviced by POTW or OSND
- On Site Non Discharging Systems
- 201 Boundary

Scale of Miles

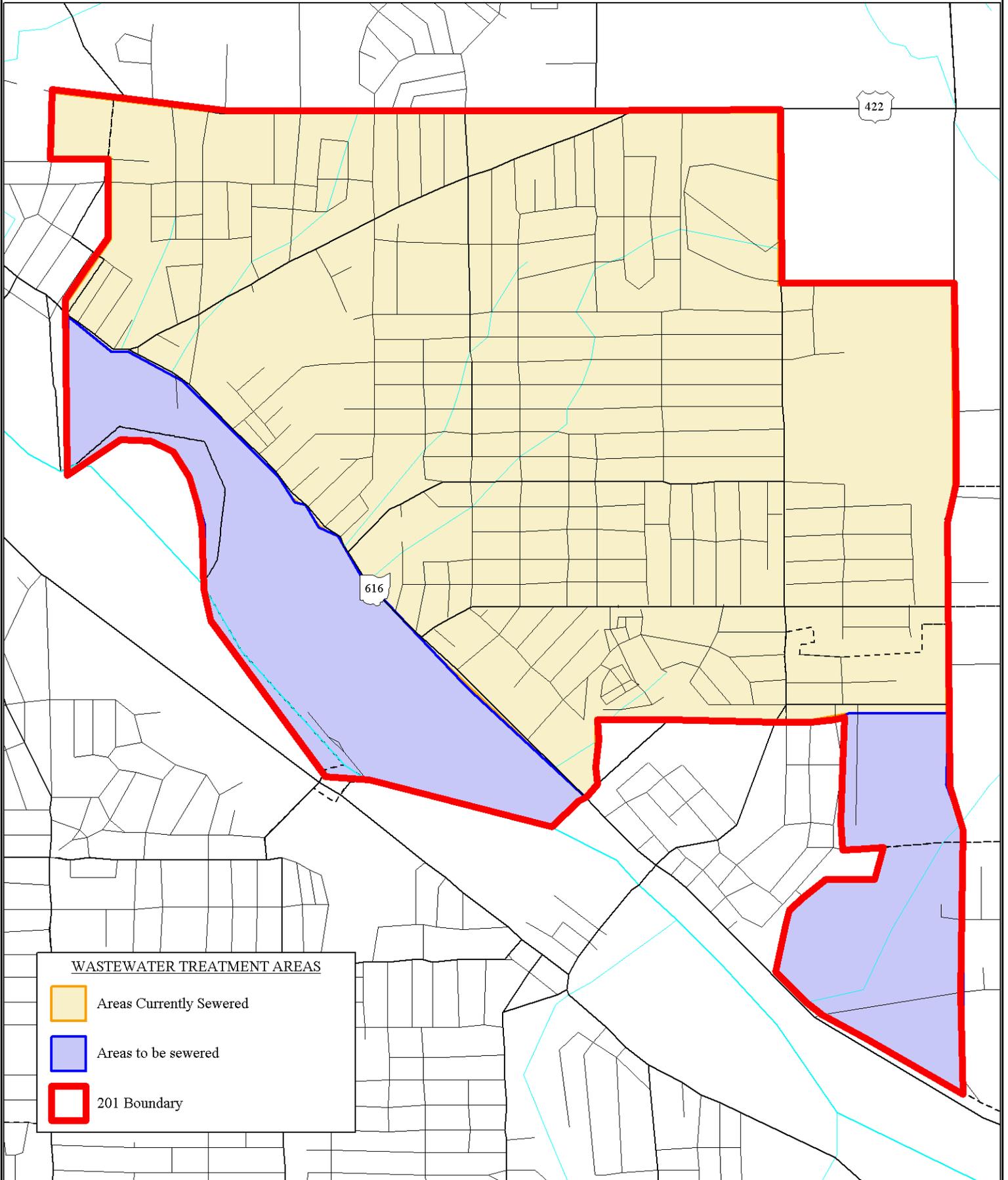


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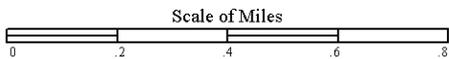
# CAMPBELL

## 201 Facility Planning Area



**WASTEWATER TREATMENT AREAS**

-  Areas Currently Sewered
-  Areas to be sewered
-  201 Boundary

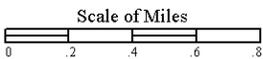
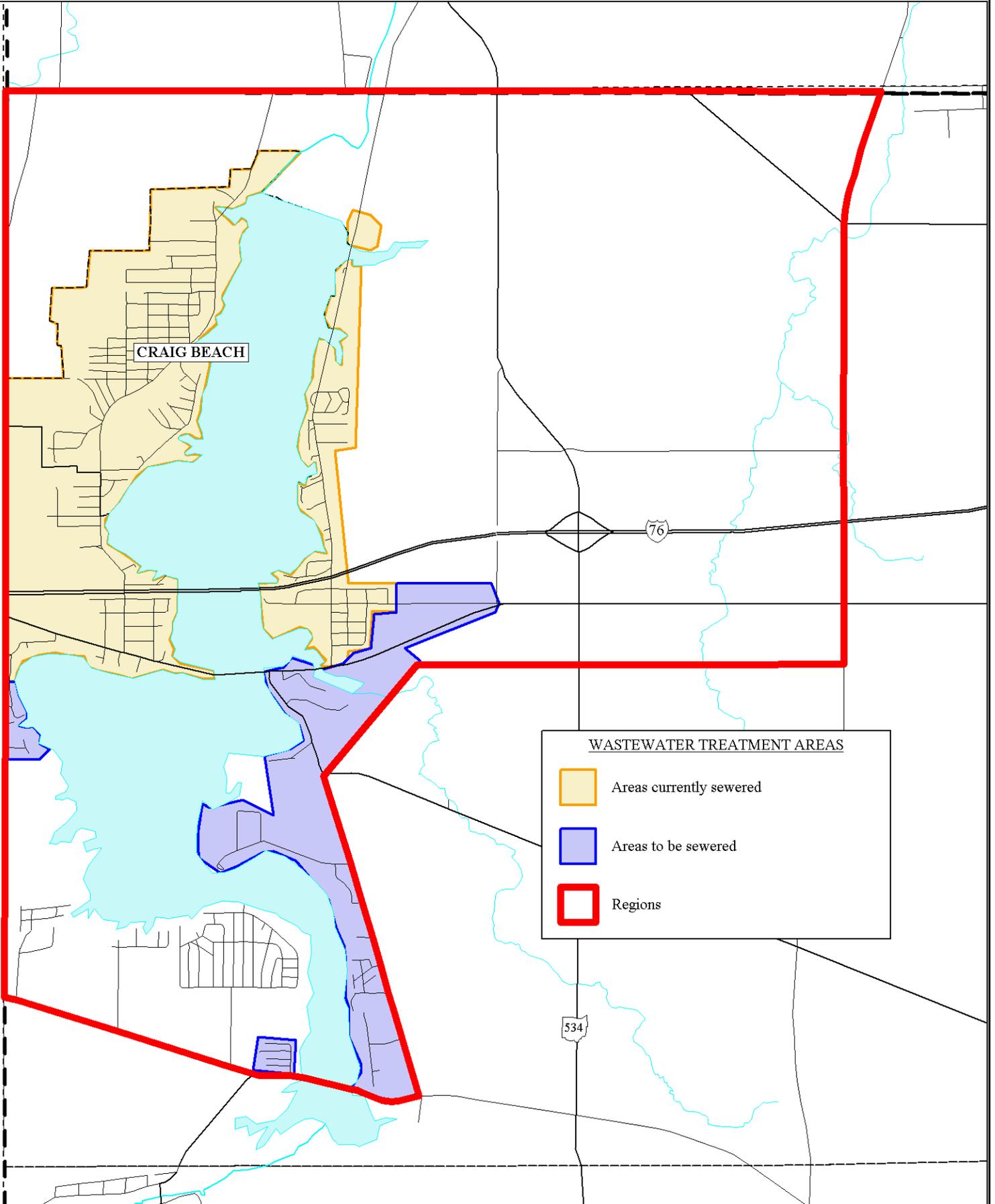


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# CRAIG BEACH

## 201 Facility Planning Area



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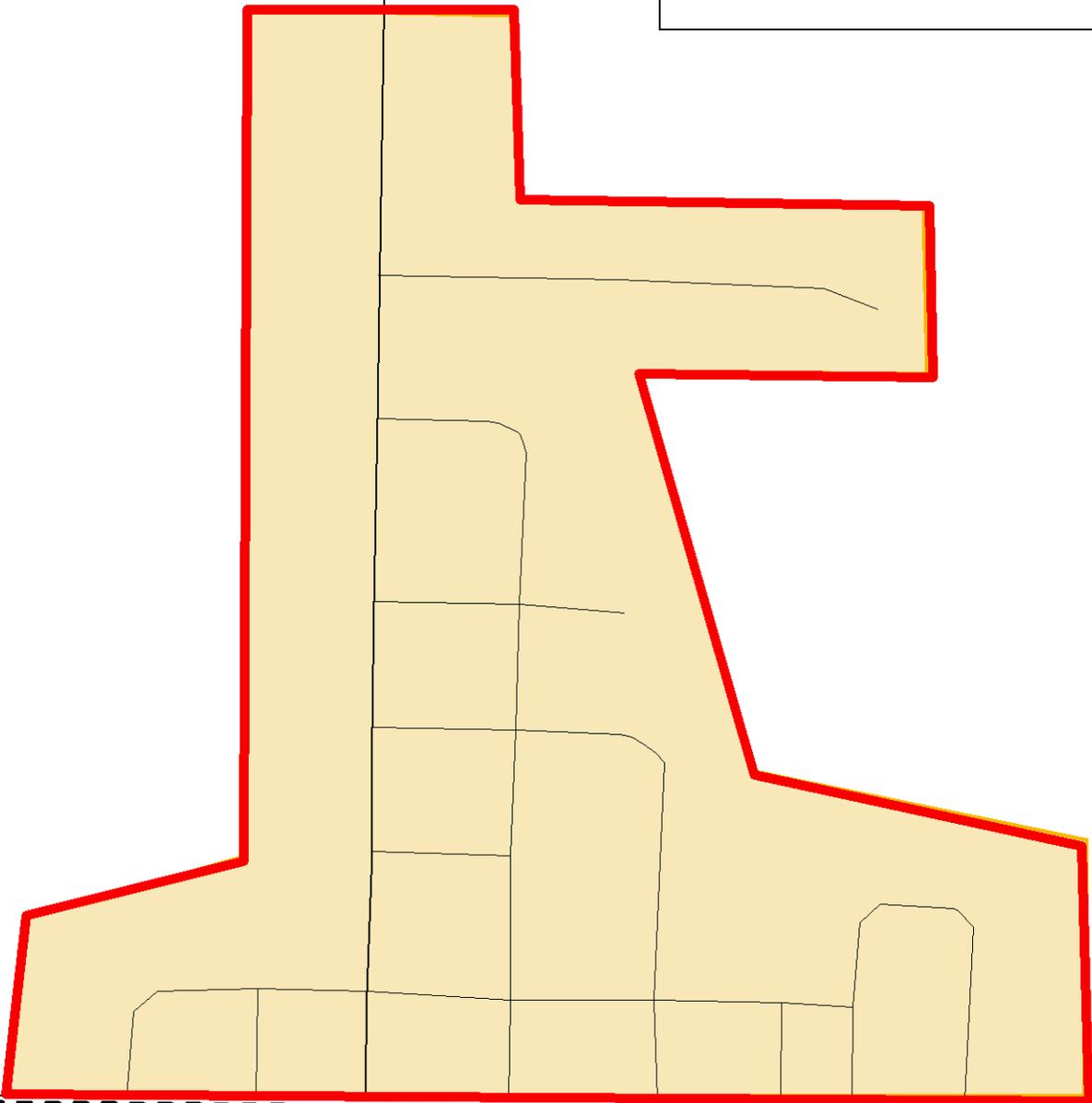
# DAMASCUS

## 201 Facility Planning Area

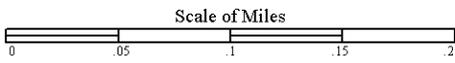
534

WASTEWATER TREATMENT OPTIONS

-  Areas currently sewered
-  201 Boundary



62



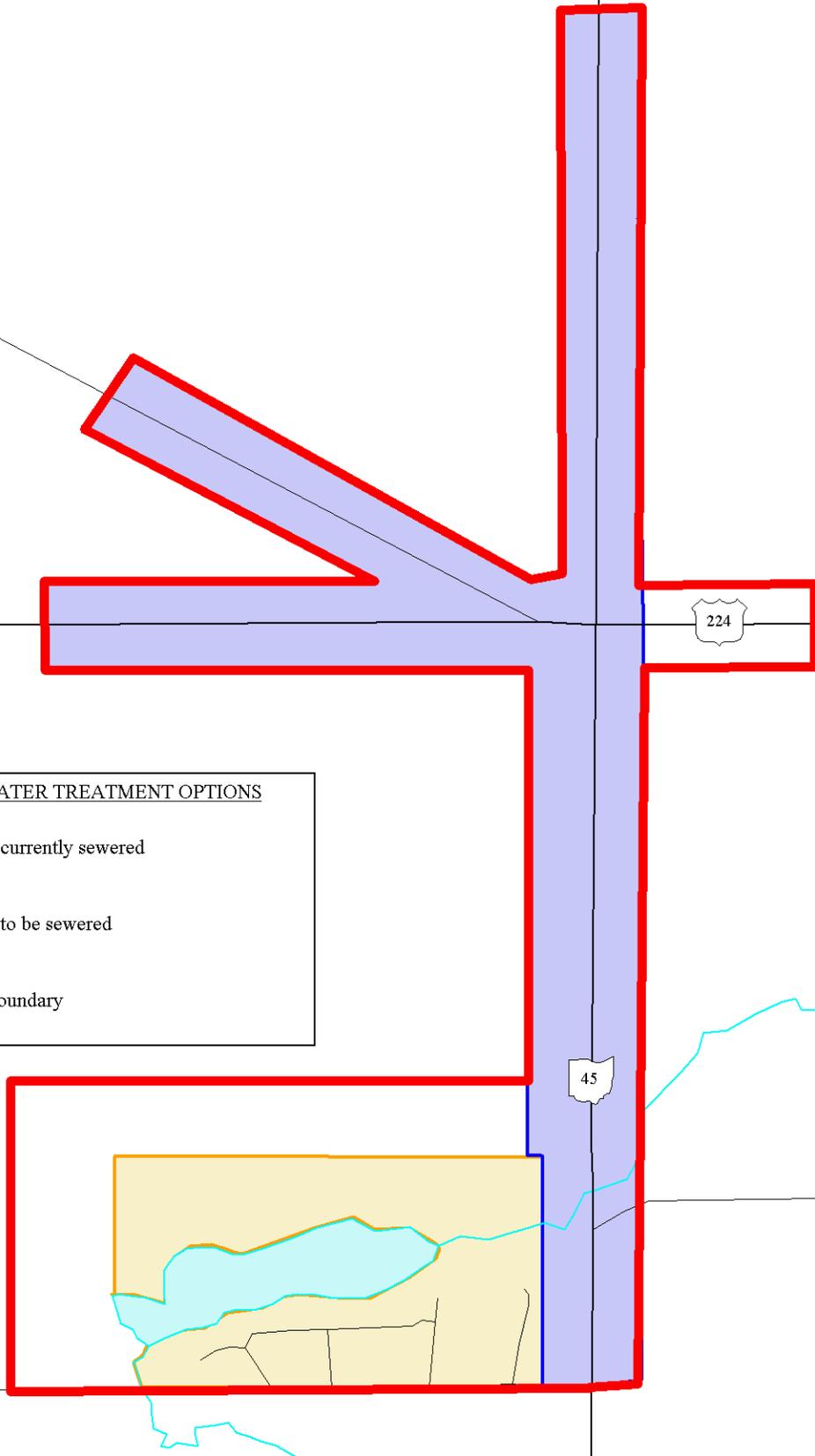
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# DIEHL LAKE 201 Facility Planning Area

**WASTEWATER TREATMENT OPTIONS**

-  Areas currently sewered
-  Areas to be sewered
-  201 Boundary

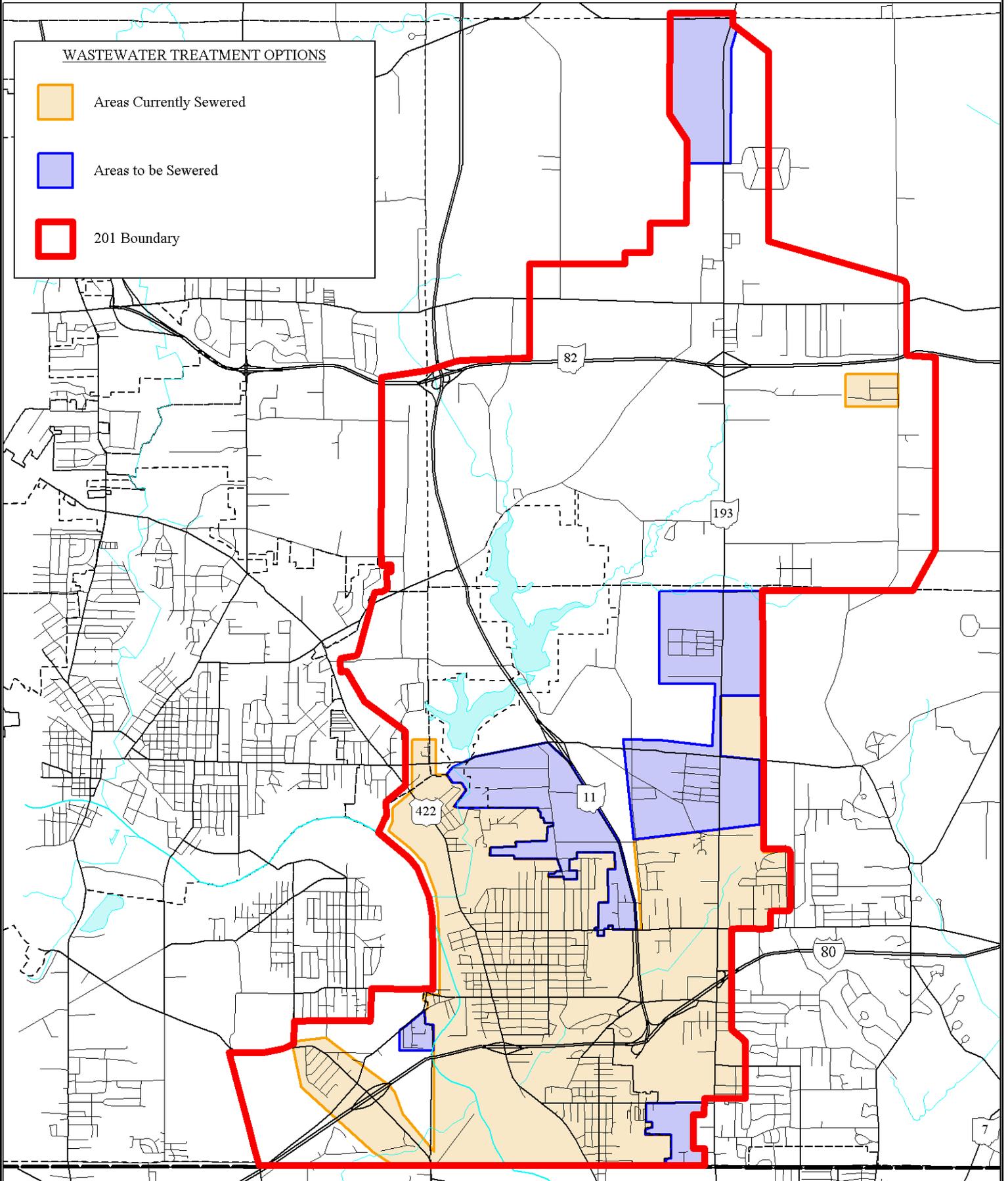


# GIRARD

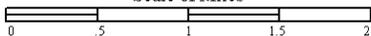
## 201 Facility Planning Area

### WASTEWATER TREATMENT OPTIONS

-  Areas Currently Sewered
-  Areas to be Sewered
-  201 Boundary



Scale of Miles

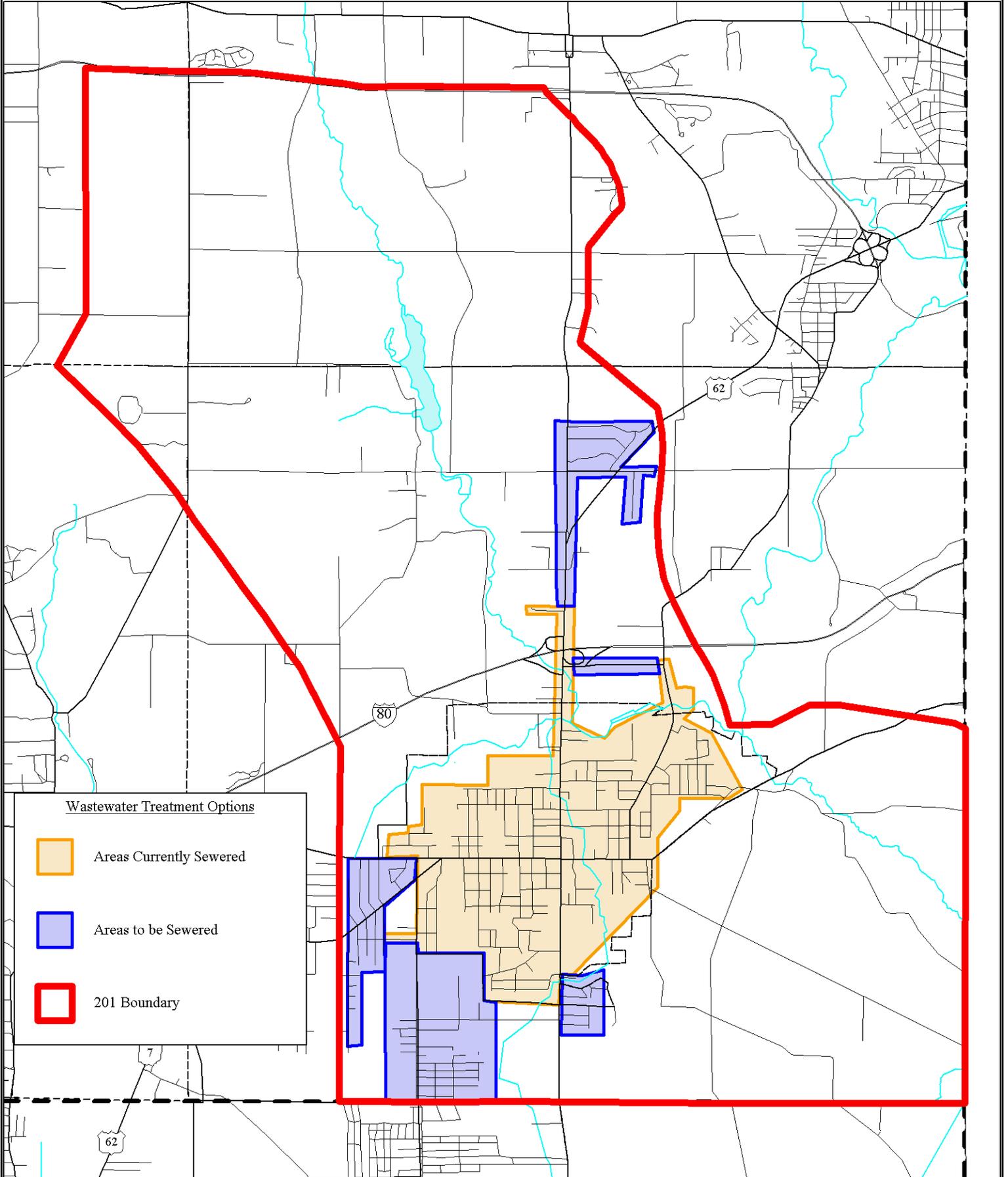


Prepared By:

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# HUBBARD

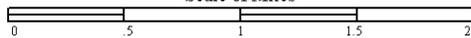
## 201 Facility Planning Area



### Wastewater Treatment Options

-  Areas Currently Sewered
-  Areas to be Sewered
-  201 Boundary

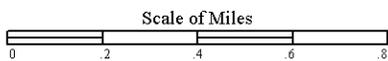
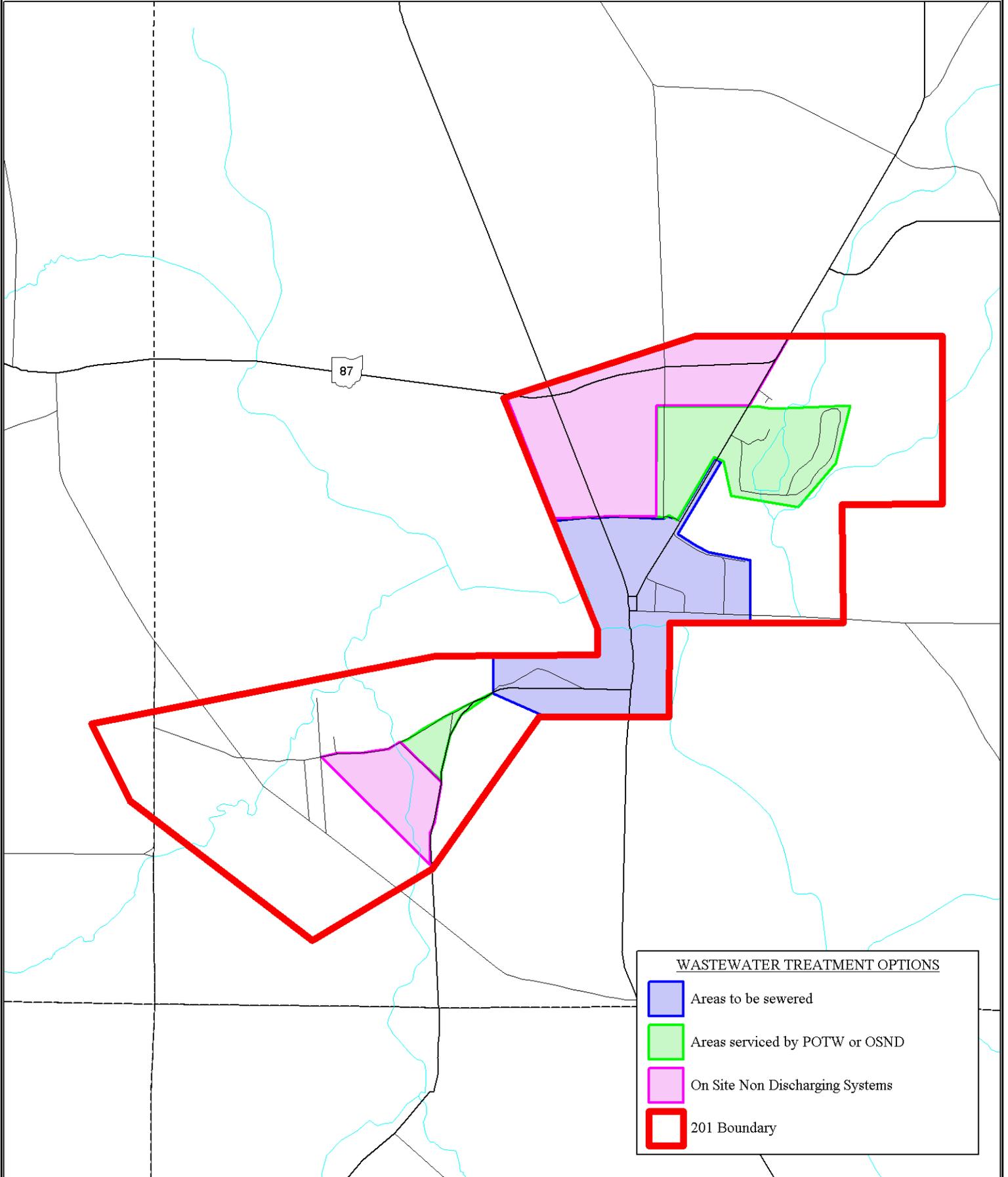
Scale of Miles



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# KINSMAN 201 Facility Planning Area

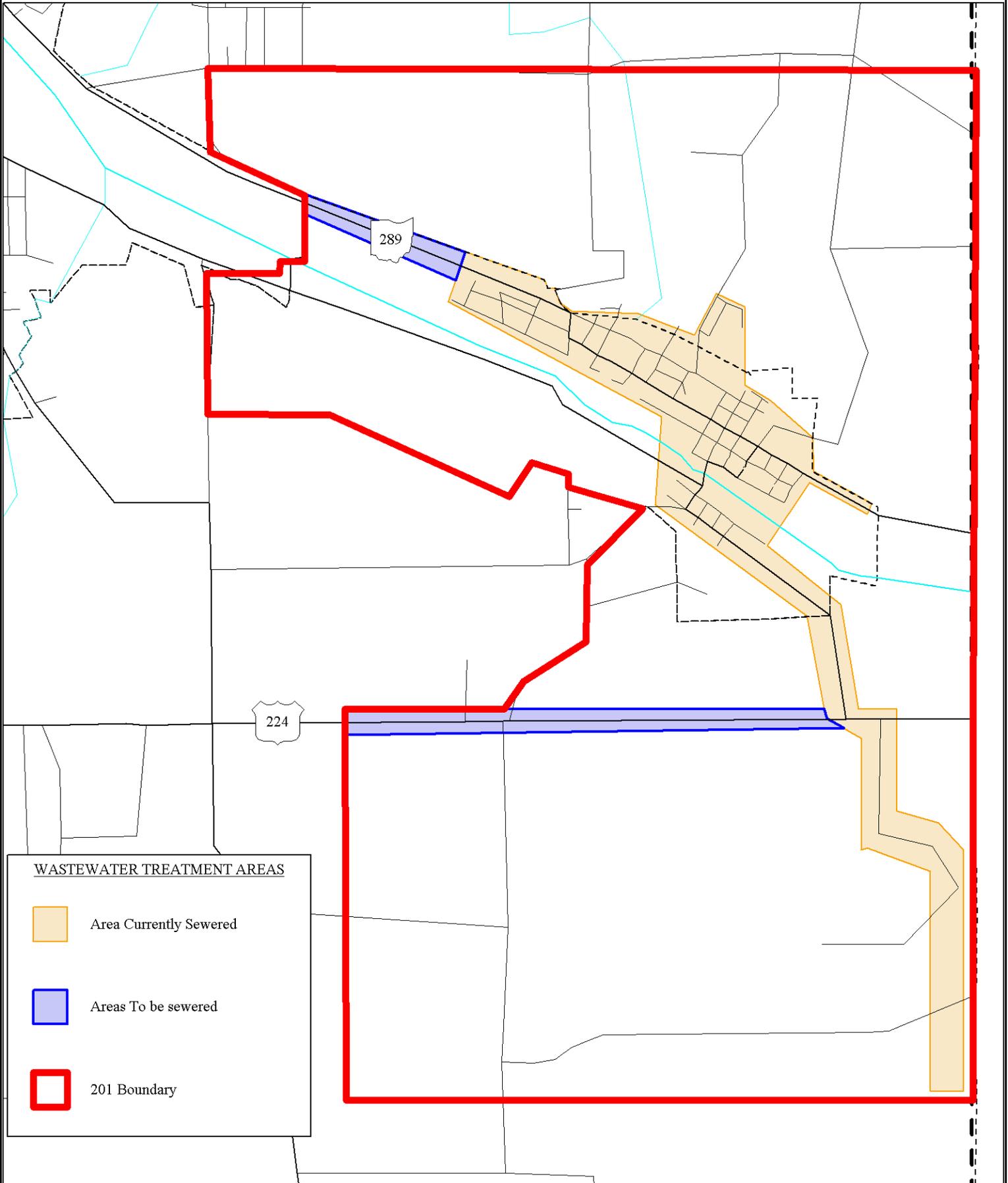


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# LOWELLVILLE

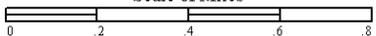
## 201 Facility Planning Area



### WASTEWATER TREATMENT AREAS

-  Area Currently Sewered
-  Areas To be sewered
-  201 Boundary

Scale of Miles



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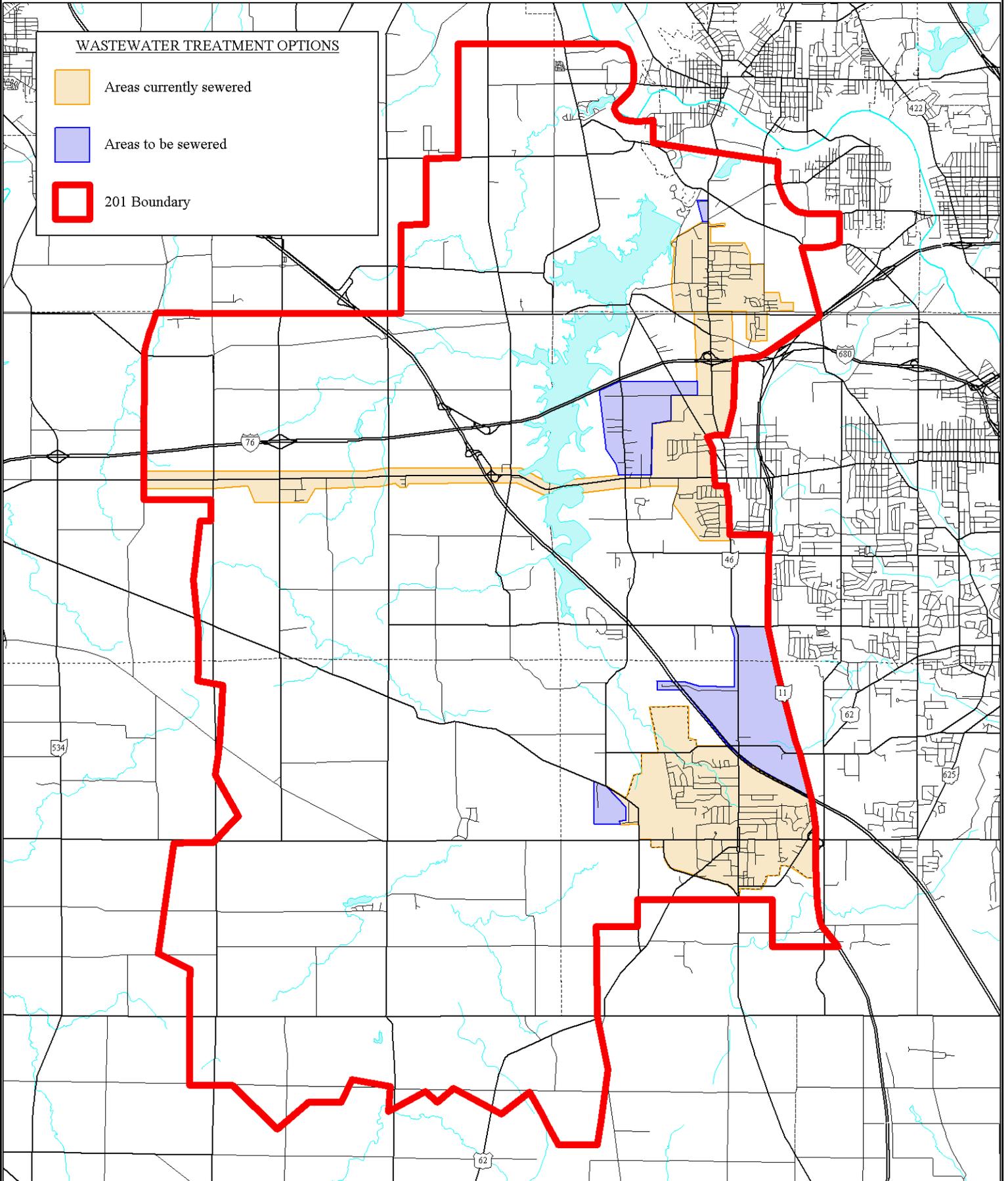
EASTGATE REGIONAL COUNCIL OF GOVERNMENTS

# MEANDER

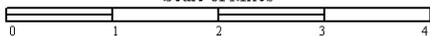
## 201 Facility Planning Area

### WASTEWATER TREATMENT OPTIONS

-  Areas currently sewered
-  Areas to be sewered
-  201 Boundary



Scale of Miles

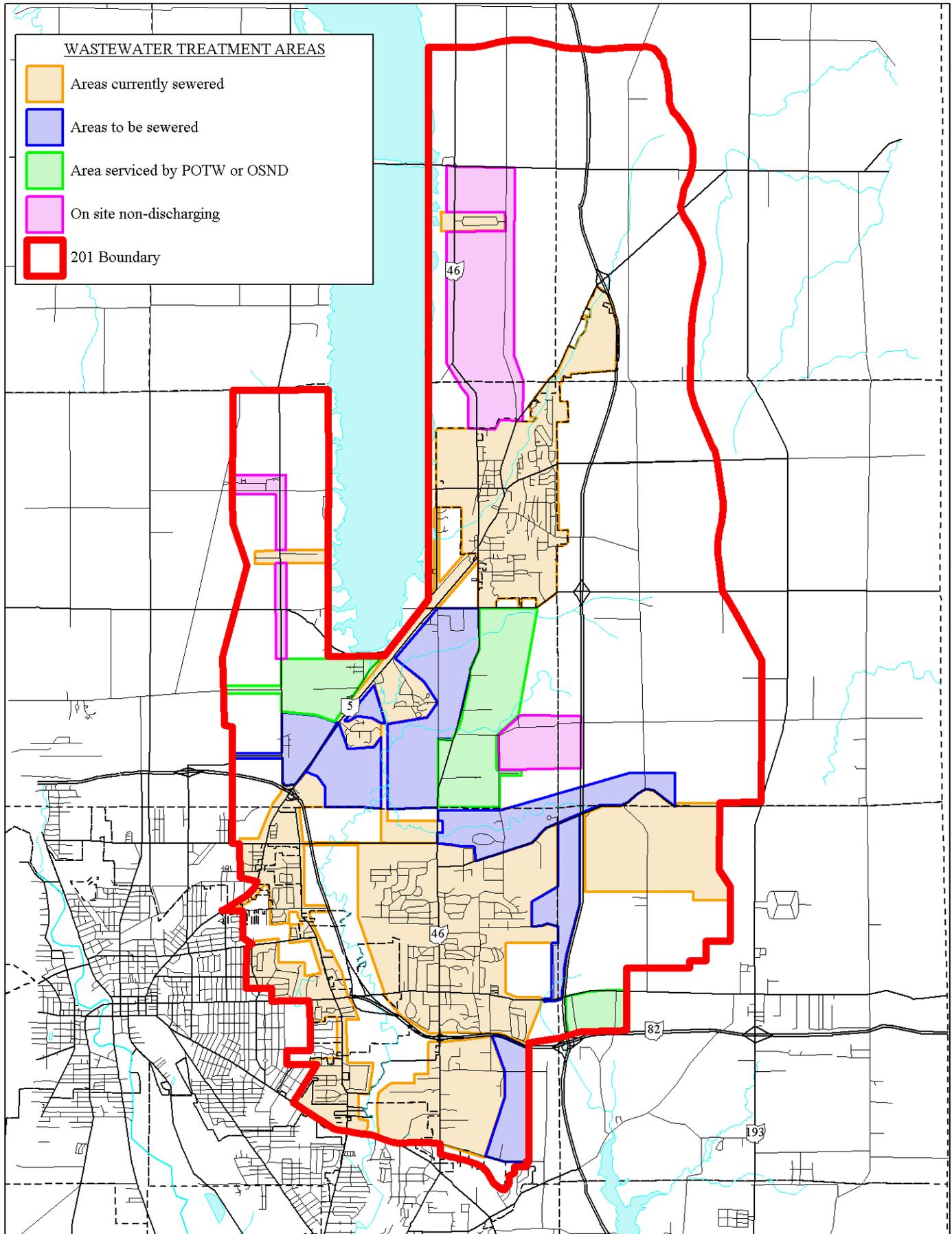


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# MOSQUITO

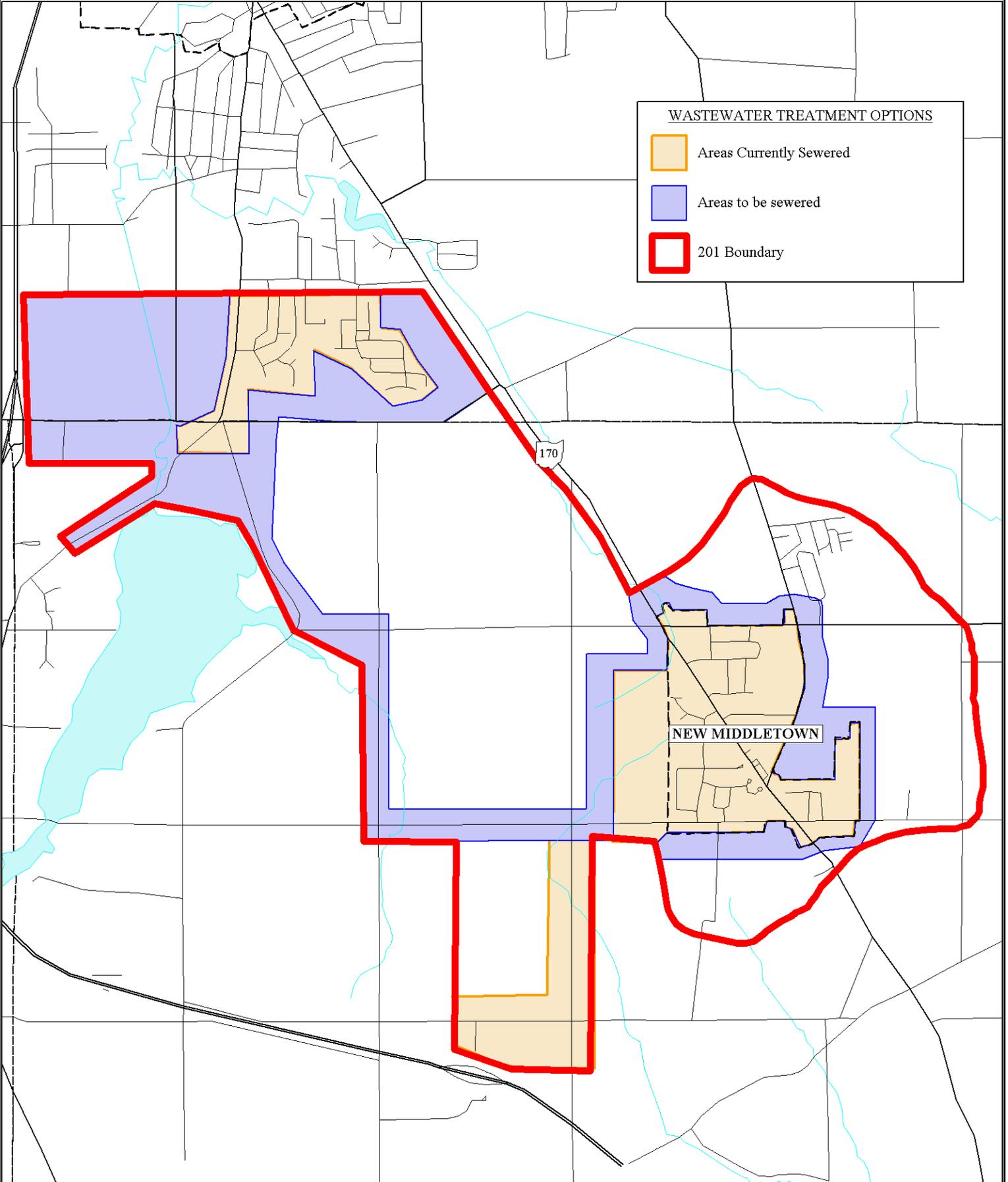
## 201 Facility Planning Area



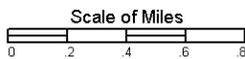
# NEW MIDDLETOWN 201 Facility Planning Area

**WASTEWATER TREATMENT OPTIONS**

-  Areas Currently Sewered
-  Areas to be sewered
-  201 Boundary



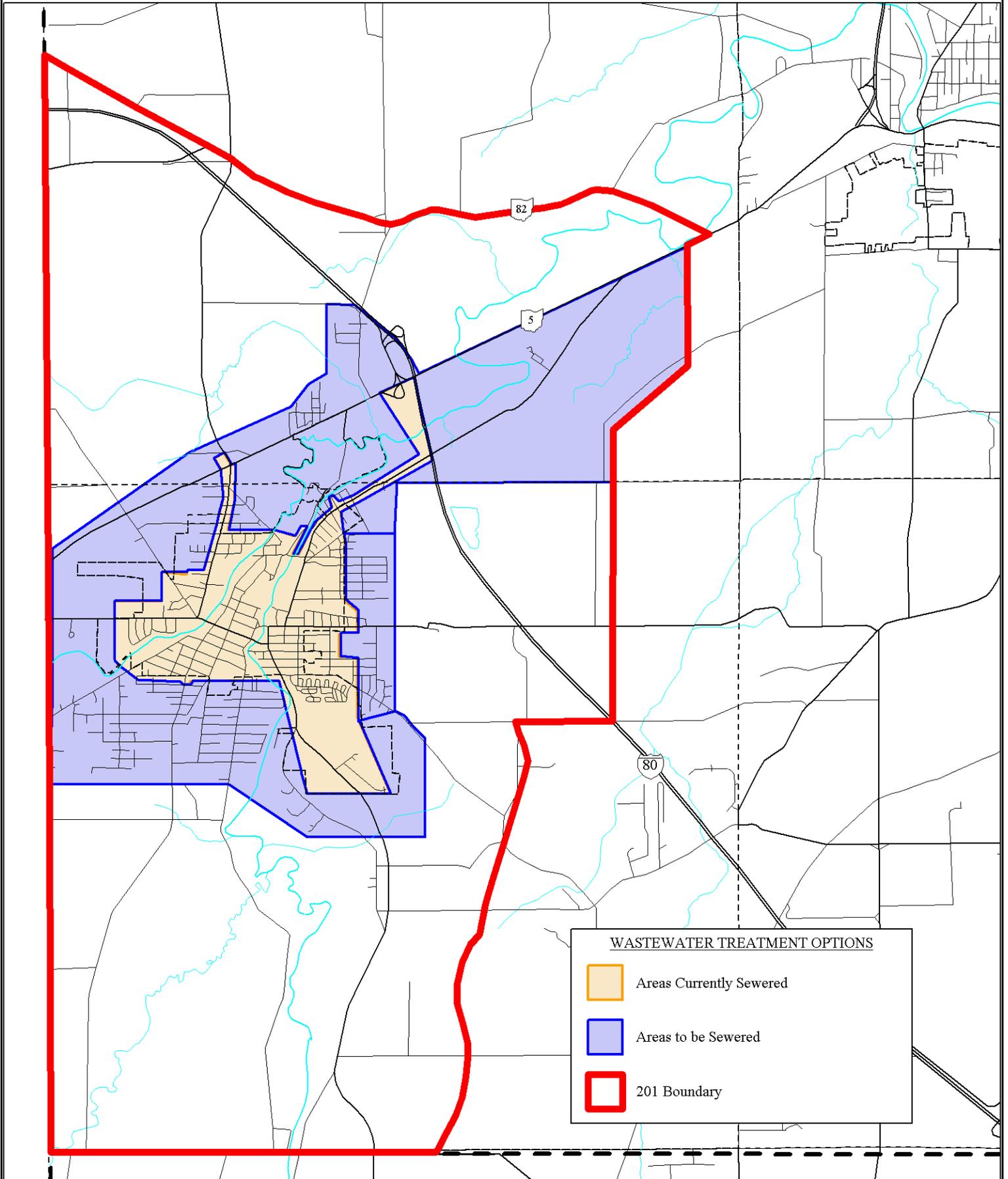
NEW MIDDLETOWN



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# NEWTON FALLS 201 Facility Planning Area



Scale of Miles

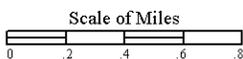
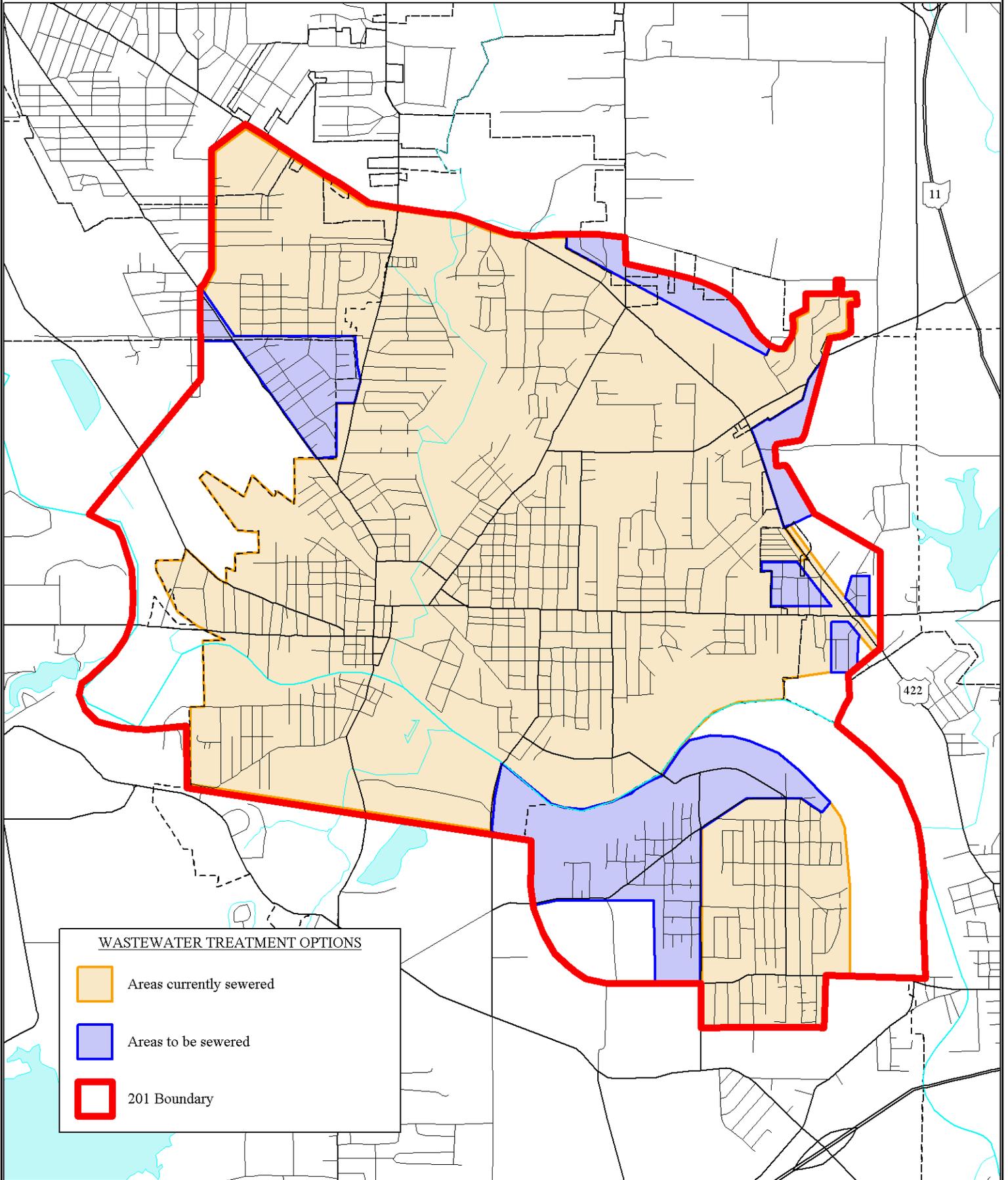


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# NILES

## 201 Facility Planning Area

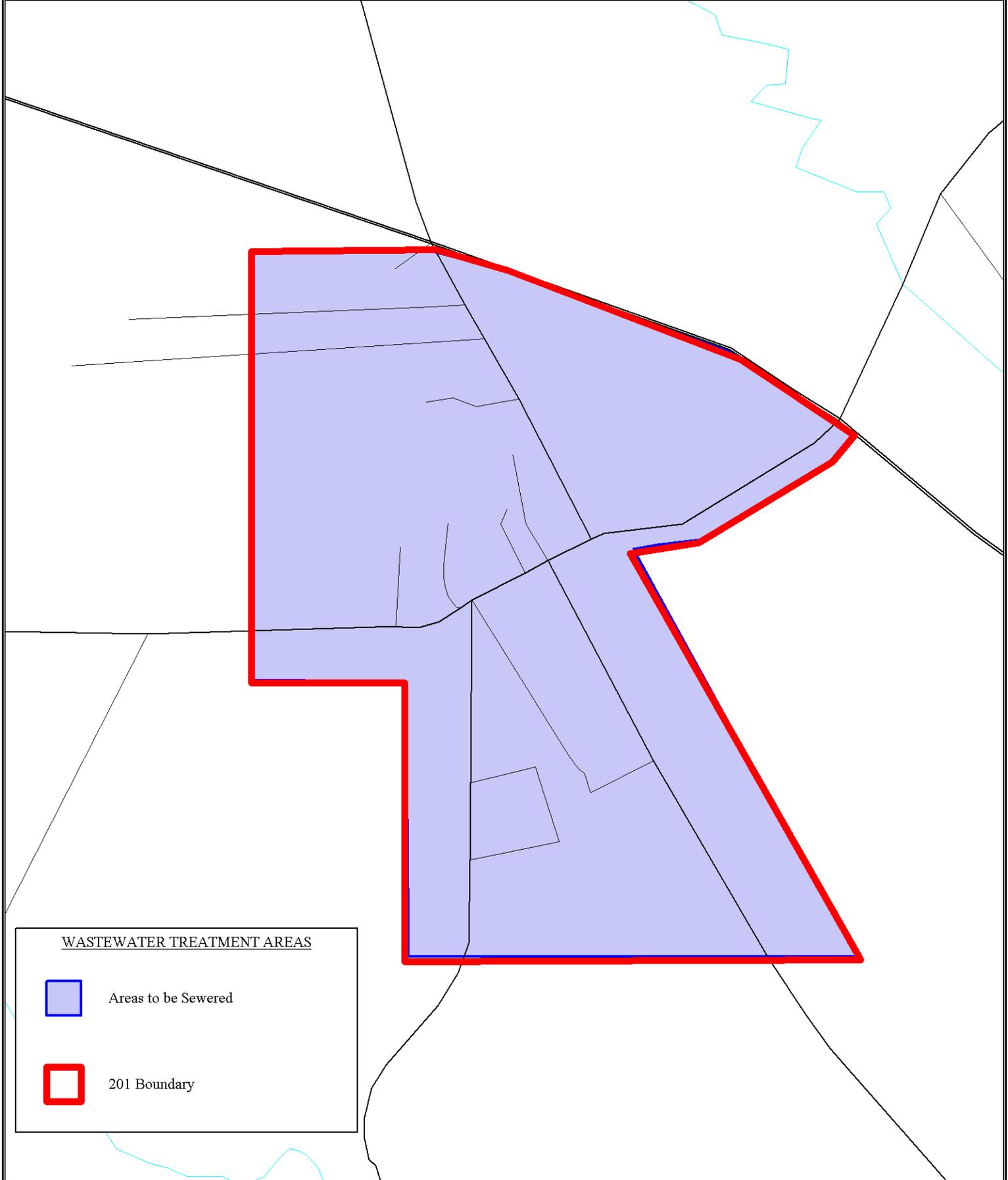


Prepared By:

EASTGATE REGIONAL COUNCIL OF GOVERNMENTS

# PETERSBURG

## 201 Facility Planning Area



### WASTEWATER TREATMENT AREAS

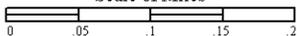


Areas to be Sewered



201 Boundary

Scale of Miles

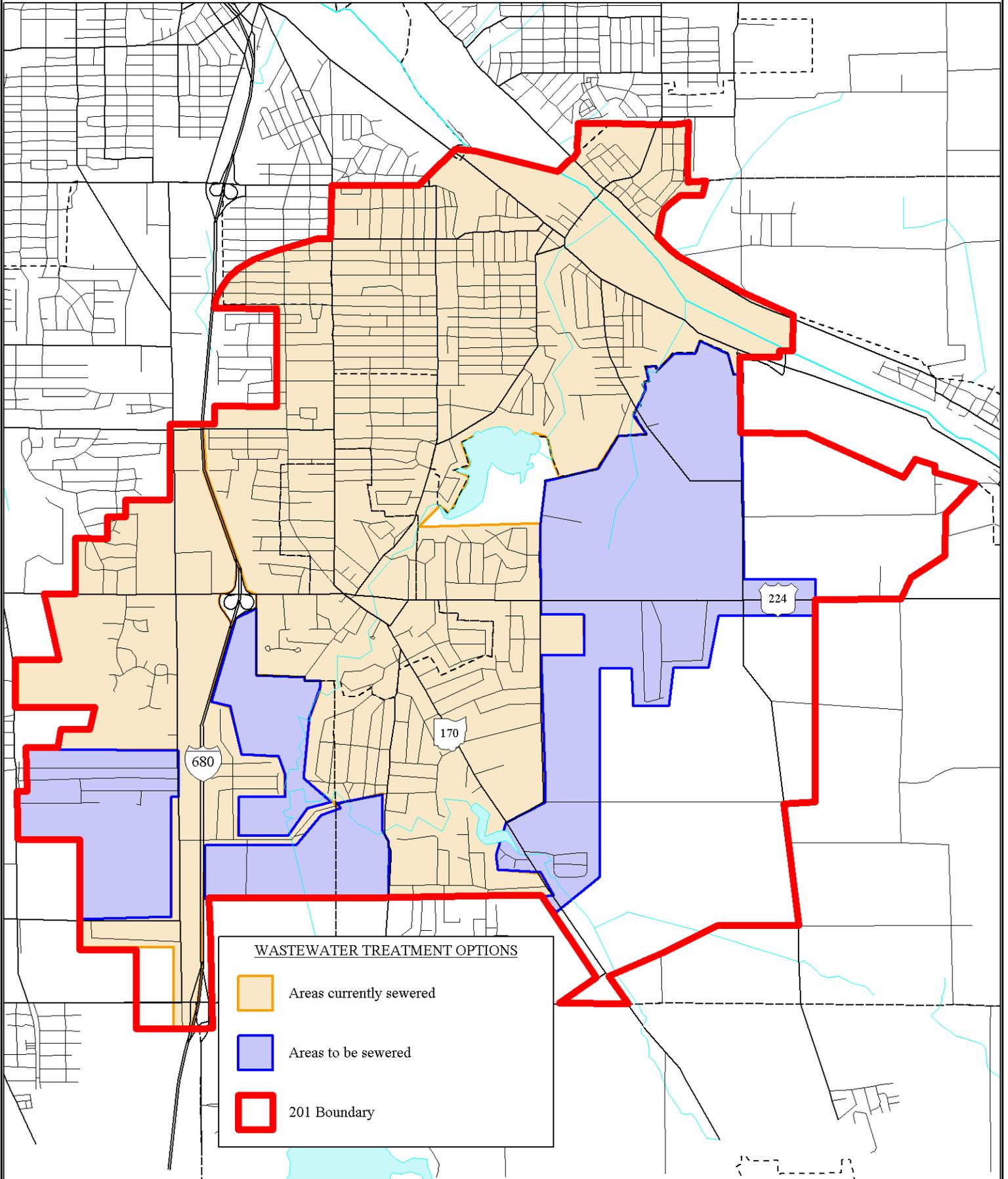


Prepared By:

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# STRUTHERS

## 201 Facility Planning Area

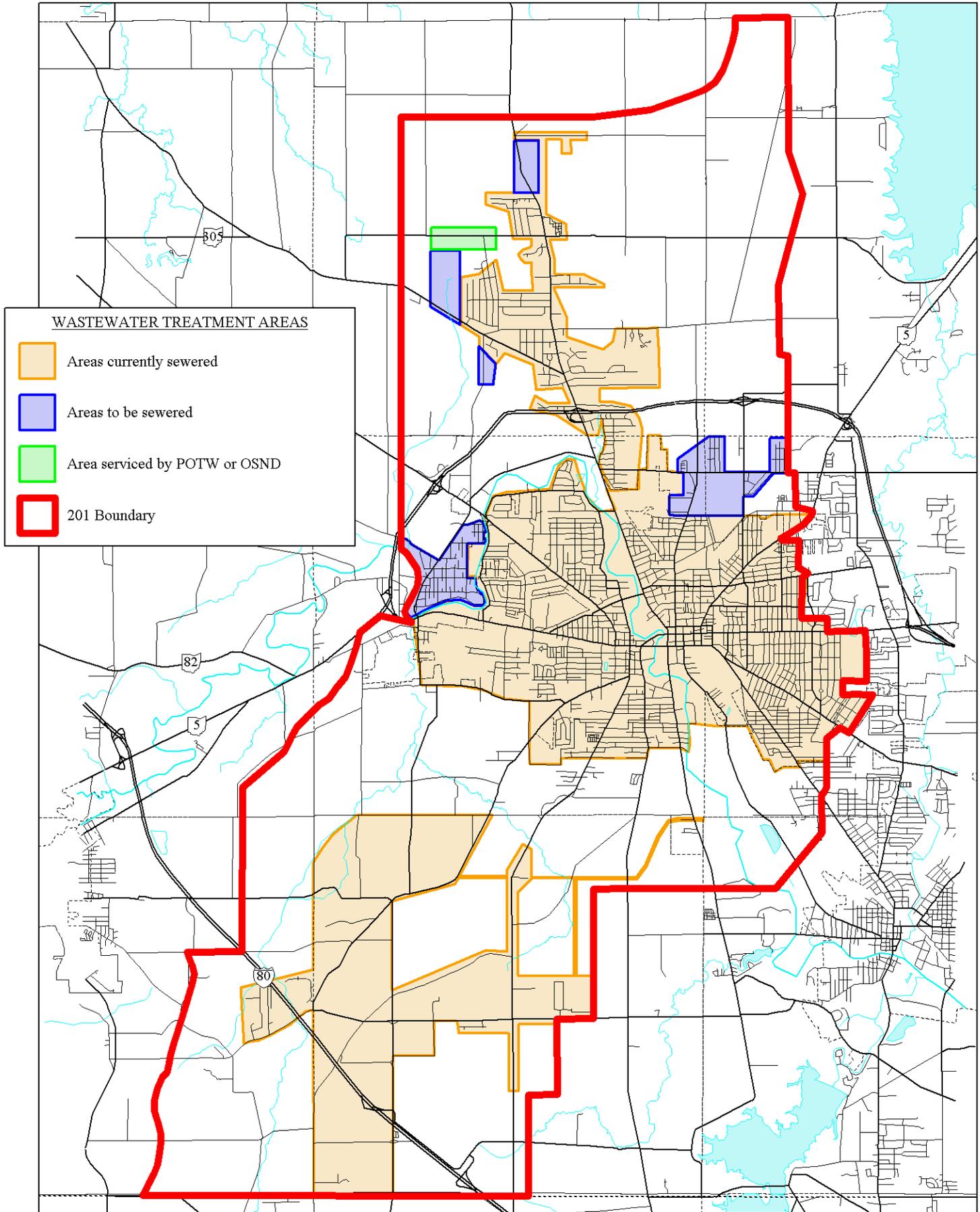


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# WARREN

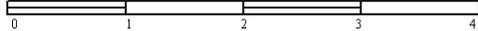
## 201 Facility Planning Area



### WASTEWATER TREATMENT AREAS

-  Areas currently sewered
-  Areas to be sewered
-  Area serviced by POTW or OSND
-  201 Boundary

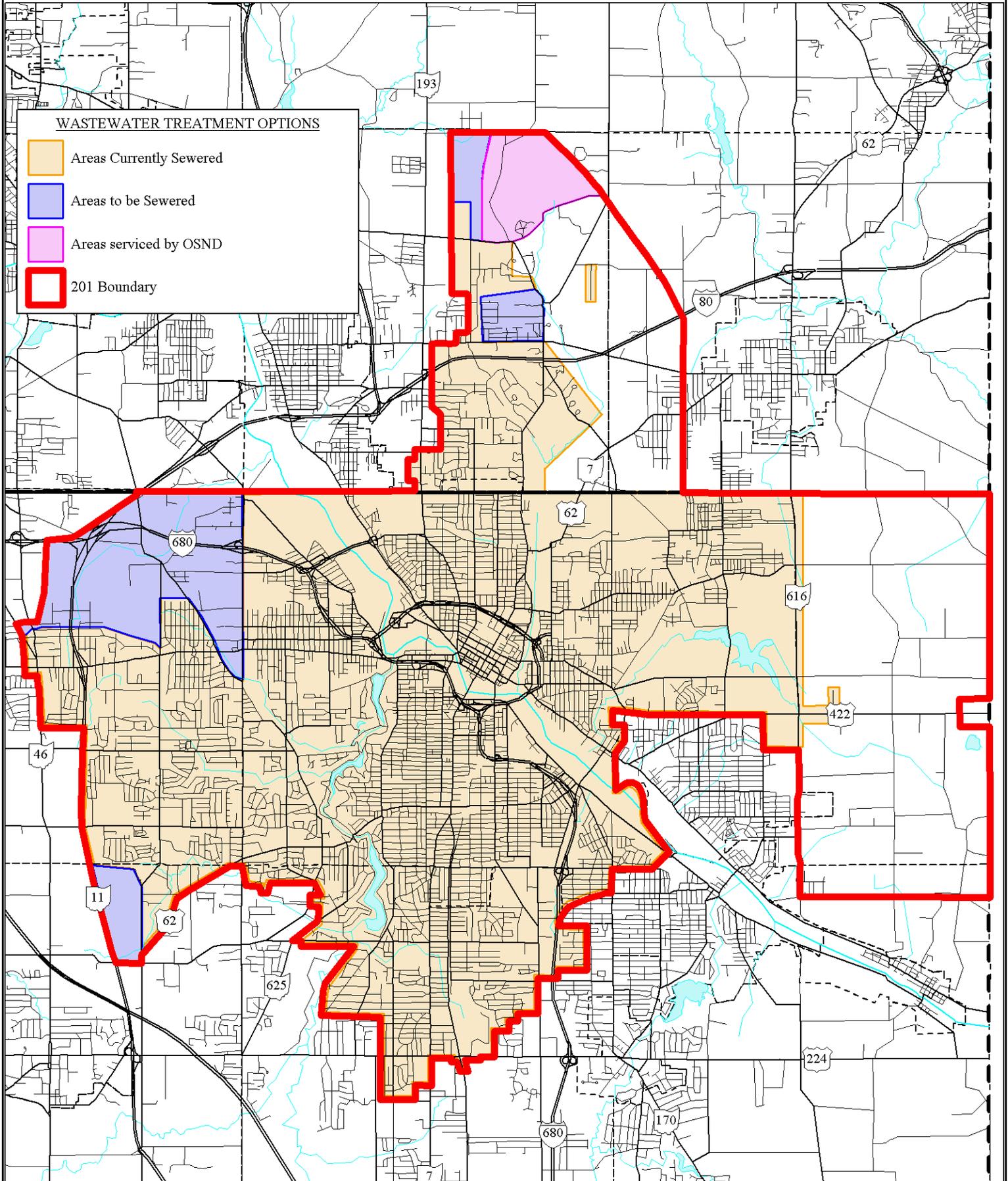
Scale of Miles



Prepared By:

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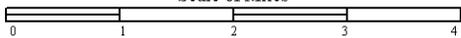
# YOUNGSTOWN 201 Facility Planning Area



## WASTEWATER TREATMENT OPTIONS

- Areas Currently Sewered
- Areas to be Sewered
- Areas serviced by OSND
- 201 Boundary

Scale of Miles



Prepared By:

EASTGATE REGIONAL COUNCIL OF GOVERNMENTS

## **Mahoning County Wastewater Treatment Planning Prescriptions and Options**

### Areas currently sewered - YELLOW

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement.

All new development and construction in the yellow areas of this facility planning area located within one half of a mile of an existing sewer system will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW); or a feasibility study will be required that provides a statement from a licensed professional engineer stating that said connection will not be cost effective nor will it improve the quality of the water of the receiving stream.

Existing non-residential private treatment systems, which cease to operate properly, shall be abandoned and connection made to the existing sanitary sewer system. HSDS more than five (5) years old or if they are less than five (5) old and the HSDS has failed must be abandoned when sewers are available and access to the sewer is within 200 feet.

### Areas programmed for sewers within the next 20 years - BLUE

These are areas projected to receive sewers but are not yet sewered. Projected wastewater flow from these areas has been accounted for within the system and includes the following options.

All new wastewater generated by new (major) residential subdivisions, commercial, industrial, and institutional development located within one half of a miles of an existing sanitary sewer system will be required to connect to an existing publicly-owned treatment works; or a feasibility study will be required that provides a statement from a licensed professional engineer stating that said connection will not be cost effective nor will it have a negative impact to the quality of the water of the receiving stream.

Existing HSDS more than five (5) years old or if they are less than five (5) years old and the HSDS has failed must be abandoned when sewers become available and access is within 200 feet. New HSDS shall be permitted until sewers become available where upon the HSDS of more than five (5) years old or if they are less and the HSDS has failed must be abandoned if access is within 200 feet.

### Areas For Which No Sewering Plans Exist - WHITE

These areas are located beyond one half of a mile of an existing sanitary sewer system and will follow “Best Science” criteria for wastewater treatment options as deemed appropriate and approved by the Mahoning County Board of Health, Mahoning County Sanitary Engineer’s Department and the Ohio Environmental Protection Agency.

## **Trumbull County Wastewater Treatment Planning Prescriptions and Options**

### Areas currently sewered - YELLOW

These areas are currently served with sanitary sewers that have been constructed and are currently in operation. However, there may be undeveloped tracts of land and vacant lots subject to improvement.

All new development and construction in the yellow areas of this facility planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW).

Existing non-residential private treatment systems, which cease to operate properly, shall be abandoned and connection made to existing sanitary sewer system. However, there may be single-family homes that are being served by household sewage disposal systems (HSDS) within this area. HSDS more than five (5) years old or if they are less than five years old and the HSDS has failed must be abandoned when sewer are available and access to the sewer is within 200 feet.

### Areas programmed for sewers within the next 20 years - BLUE

These are areas projected to receive sewers but are not yet sewered. Projected wastewater flow from these areas has been accounted for within the system and includes the following options.

All new wastewater generated by new (major) residential subdivisions, commercial, industrial, and institutional development will be required to connect to an existing publicly-owned treatment works

Existing HSDS more than five (5) years old or if they are less than five (5) years old and the HSDS has failed must be abandoned when sewers become available and access is within 200 feet. New HSDS shall be permitted until sewers become available where upon the HSDS of more than five (5) years old or if they are less and the HSDS has failed must be abandoned if access is within 200 feet.

### Areas that will be served by a POTW or by on-site non-discharging systems - GREEN

All new commercial, industrial, institutional, and (major) residential developments within this category, shall be required to connect to the existing sanitary sewer system for the removal, treatment, and discharge of sanitary wastewater from each new facility within the new development, fully observing all regulations of governing agencies. The developer shall be required to extend new sanitary sewers from the proposed development to the existing sanitary sewer system that is served by an existing POTW.

Areas in which existing (developed) commercial, industrial, and residential properties within this

category shall be required to connect to the sanitary sewer, as it becomes available, for removal of sanitary wastewater to be treated at an existing POTW. However, in cases where it is not possible to connect to a sanitary sewer system, on site sewage systems shall be considered appropriate for new and existing commercial, industrial, institutional, and minor residential developments and for new single family houses that are not part of any existing subdivision until sewer lines become available. The basis for ascertaining if a connection to a sewer system is required will be determined on a case by case basis, fully observing all regulations of governing agencies.

Existing HSDS more than five (5) years old or if they are less than five (5) years old and the HSDS has failed must be abandoned when sewers become available and access is within 200 feet. New HSDS shall be permitted until sewers become available where upon the HSDS of more than five (5) years old or if they are less and the HSDS has failed must be abandoned if access is within 200 feet.

#### Areas that will be served by on-site non-discharging systems - PINK

These are areas in which new development is expected to be “large-lot” low density, with non-discharging household systems as the primary method for treatment of wastewater.

Proposed development requirements mandate that all new HSDS remain on-lot. If any new high density development or subdivision is proposed with a communal control collection and treatment system other than on-lot non-discharging HSDS, the proposed system must receive written approval from the Trumbull County Planning Commission, Trumbull County Board of Health, Trumbull County Sanitary Engineer’s Department, and the Ohio Environmental Protection Agency and have been proven as safe, reliable, and effective. A performance bond and written guarantee shall be required from the designer, the developer, and the individual owner and any homeowners’ association involved in the subdivision.

#### Areas For Which No Sewering Plans Exist - WHITE

These areas will follow “Best Science” criteria for wastewater treatment options as deemed appropriate and approved by the Trumbull County Planning Commission, the Trumbull County Board of Health, the Trumbull County Sanitary Engineer’s Department and the Ohio Environmental Protection Agency.

## **Facility Planning Area Amendment Process, and Process for Local Approval and State Certification**

### **Designated Management Agency (DMA) - Defined:**

Typically, for each Facilities Planning Area (FPA), a single government entity is designated as the Primary Designated Management Agency, and as such, possesses the right to plan for wastewater conveyance and treatment within their designated facility planning area boundaries. Most commonly, the Primary DMA is the county or municipality that owns and operates the central wastewater treatment plant. Secondary DMA's are those entities that have forged sewer agreements with another DMA to use the services of their treatment facility or where there exists a 6119/9188 township. Often times there are more than one Secondary DMA within a single FPA.

According to Section 208 of the Clean Water Act, a DMA must have the capacity to:

- carry out appropriate portions of the Areawide Water Quality Management Plan;
- manage effectively waste treatment works and related facilities serving such an area in conformance with the Plan and effectively manage POTW and related point and nonpoint source facilities and practices in conformance with the Plan;
- directly, or by contract, to design and construct new works, and operate and maintain new and existing works as required by the Plan;
- accept and utilize grants, or other funds from any source, for waste treatment management purposes;
- raise revenue, including the assessment of waste treatment charges
- incur short and long term indebtedness;
- assure in the implementation of an Areawide Water Quality Management Plan that each participating community pays its proportionate share of treatment costs.
- refuse to receive any wastes from any municipality or subdivision thereof, which does not comply with any provision of the Plan
- accept industrial wastes for treatment.

The Primary and Secondary DMA's for each facility planning area are identified in Table 1 titled "*Designated Management Agencies for wastewater management planning for Mahoning and Trumbull Counties.*" Mahoning and Trumbull Counties are the wastewater planning agencies for the unincorporated areas of their respective county whether located inside or outside of an FPA. Both Primary and Secondary DMA's are authorized to propose modifications to the 208 Plan within the boundaries covered by their perspective Sewer District.

## **Application Packet**

The Designated Management Agency (DMA) proposing a 201 modification will submit the following items in its proposed 201 modification application to the Eastgate Regional Council of Governments. Modifications that must adhere to this amendment process include, changes to an existing FPA boundary, changes to the waste water prescriptions, or the establishment of a new FPA under the authority of an existing DMA.

- a. A brief statement of why the 201 needs to be updated;
- b. A description of the existing 201 FPA boundary including a map;
- c. A description of existing wastewater prescriptions;
- d. A map of proposed 201 changes (if color maps are used then include 25 color copies for distribution at Eastgate's TAC meeting)
- e. Any updated wastewater treatment planning prescriptions;
- f. Any associated correspondence including comment letters.

## **Process for Review**

- a. The DMA requesting the 201 modification must submit the proposed 201 modification by certified mail to the DMA that has primacy over the area in question (if other than the requesting DMA), to Eastgate, and to all local governments affected by the proposed 201 modification.
- b. The DMA requesting the 201 modification shall request comments letters from the primary DMA, and any local governments within the proposed 201 FPA affected by the modification.
- c. The DMA (if other than the requesting DMA), and the local governments will have a maximum of 45 days upon receipt of the certified mail to respond to the DMA requesting the modification.
- d. The DMA requesting the 201 modification will submit the proposed 201 modification application packet with any comment letters to Eastgate for review at least two weeks prior to Eastgate's next regularly scheduled Technical Advisory Committee (TAC) and Citizens Advisory Board (CAB) meetings in order to allow Eastgate to conduct a 201/208 consistency review.

### **Eastgate Staff 201/208 Consistency Review**

Eastgate staff will conduct a 201/208 Consistency Review of the proposed 201 modification, based on the following criteria and make a recommendation to the TAC and CAB:

- Is the proposed 201 FPA boundary consistent with those boundaries established by Eastgate's General Policy Board approved resolution #024-2001 passed April 24, 2001?
- Is the selected treatment alternative(s) consistent with Eastgate's General Policy Board approved resolution # 058-2001 passed January 28, 2001?
- The staff will then prepare a recommendation on the proposed modification based on this criteria.

### **Eastgate TAC, CAB, and General Policy Board (GPB) Review.**

- a. Eastgate staff will present the proposed 201 modification along with Eastgate's consistency review to Eastgate's TAC and CAB. (It is recommended that the DMA requesting the 201 update be present at the TAC and CAB meetings to answer any questions that the TAC or CAB may have).
- b. The TAC and CAB will conduct a review of the proposal and forward, through the Eastgate staff, their recommendation to the GPB.
- c. Eastgate will present the consistency review results and the TAC and CAB recommendations to the GPB.
- d. The GPB will make a determination on the proposed modification and the staff will notify the applicant of the recommendation.
- e. The GPB approved 201 amendments will be forwarded to the Ohio EPA - NEDO for inclusion in the 208 Areawide Water Quality Management Plan for Mahoning and Trumbull Counties. Upon receipt of the documentation of GPB approved 201 amendments, the Ohio EPA will begin immediately to use the amended plan to review all new applications for Permit-to-Install and National Pollution Discharge Elimination System (NPDES) permits for consistency prior to processing.
- f. The GPB approved 201 amendments will be incorporated into Eastgate's 208 Water Quality Management Plan including mapping and wastewater treatment prescriptions.

TABLE 1: Designated Management Agencies (DMA) for wastewater management planning

Facilities Planning Area (FPA)	Primary Designated Management Agency (DMA)		Secondary Designated Management Agency(s)	Area(s) Serviced (p = portion)	Design Capacity (mgd)	Average Daily Flow (mgd)	Receiving Waterway (watershed)
	Owner/Operator	Wastewater Destination					
Youngstown	City of Youngstown	Youngstown POTW	Mahoning County Trumbull County	City of Youngstown, Boardman Twp. (p), Austintown Twp. (p), Canfield Twp. (p), Liberty Twp. (p) in Trumbull County	35	31.4	Mahoning River
Struthers	City of Struthers	Struthers POTW	Mahoning County	City of Struthers, Boardman Twp. (p), Poland Twp. (p), Poland Village (p), Springfield Twp. (p), Beaver Twp. (p).	6	4.2	Mahoning River
Campbell	MCSE	Campbell POTW		City of Campbell	1.9	1.2	Mahoning River
Lowellville	Village of Lowellville	Lowellville POTW		Village of Lowellville	0.5	0.275	Mahoning River
Craig Beach	MCSE	Craig Beach POTW		Craig Beach, Milton Twp. (p).	1.5	0.8	Mahoning River
New Middletown	MCSE	New Middletown POTW		New Middletown (p), Springfield Twp. (p)	0.55	0.3	Honey Creek (Beaver Creek)
Boardman	MCSE	Boardman POTW		Boardman Twp. (p), Canfield Twp. (p), Beaver Twp. (p).	5.0	4.5	Mill Creek (Mahoning)
Meander	MCSE	Meander POTW	Trumbull County	City of Canfield, Austintown Twp. (p), Canfield Twp., (p), Jackson Twp., (p), Weathersfield Twp (p) in Trumbull County	5.0	4.2	Meander Creek (Mahoning)
		Diehl Lake POTW		Ellsworth Twp. (p)	0.08 (80,000 gd)	0.04 (40,000 gd)	Meander Creek (Mahoning)
Alliance (NEFCO)	City of Sebring	Sebring POTW	MCSE	City of Sebring, Smith Twp. (p).	1.5		Beech Creek Tributary to Berlin Reservoir
Petersburg	MCSE	Petersburg POTW		Springfield Twp. (p)			
Damascus	MCSE	Damascus POTW		Goshen Twp. (p), Butler Twp. (p) in Columbiana County.	0.1 (100,000 gd)	0.03 (30,000 gd)	Unnamed Stream (drains to Westfield Lake)

Facilities Planning Area (FPA)	Primary Designated Management Agency (DMA)		Secondary Designated Management Agency(s)	Area(s) Serviced (p = portion)	Design Capacity (mgd)	Average Daily Flow	Receiving Waterway (watershed)
	Owner/Operator	Wastewater Destination					
Warren	City of Warren	Warren POTW	Village of Lordstown Trumbull County	City of Warren, Village of Lordstown (p), Champion Twp. (p), Warren Twp. (p), Howland Twp. (p).	16	12	Mahoning River
Niles	City of Niles	Niles POTW	Village of McDonald Trumbull County	City of Niles, Weathersfield Twp. (p), Howland Twp. (p), Village of McDonald (p)	6.2	4.0	Mahoning River
Girard	City of Girard	Girard POTW	Trumbull County	City of Girard, Weathersfield Twp. (p), Liberty Twp. (p)	7.5	1.28	Little Squaw Creek (Mahoning River)
Hubbard	City of Hubbard	Hubbard POTW	Trumbull County	City of Hubbard, Hubbard Twp. (p)	2.1	2.6	Little Yankee Run (Pymatuning Creek)
Newton Falls	City of Newton Falls	Newton Falls POTW	Trumbull County	City of Newton Falls, Newton Twp. (p), Braceville Twp. (p)	0.5	1.2	Mahoning River
Mosquito Creek	Trumbull County	Mosquito Creek POTW	City of Warren City of Niles City of Cortland	City of Warren (p), City of Niles (p), City of Cortland, Howland Twp. (p), Mecca Twp. (p), Bazetta Twp. (p), Vienna Twp. (p).	4.2	3.8	Mosquito Creek (Mahoning River)
Kinsman	Trumbull County	Kinsman POTW		Kinsman Twp. (p).			
Brookfield	Trumbull County	Brookfield WWTP		Brookfield Twp. (p), Hubbard Twp. (p).	1.3	1.6	Little Yankee Run (Pymatuning Creek)