

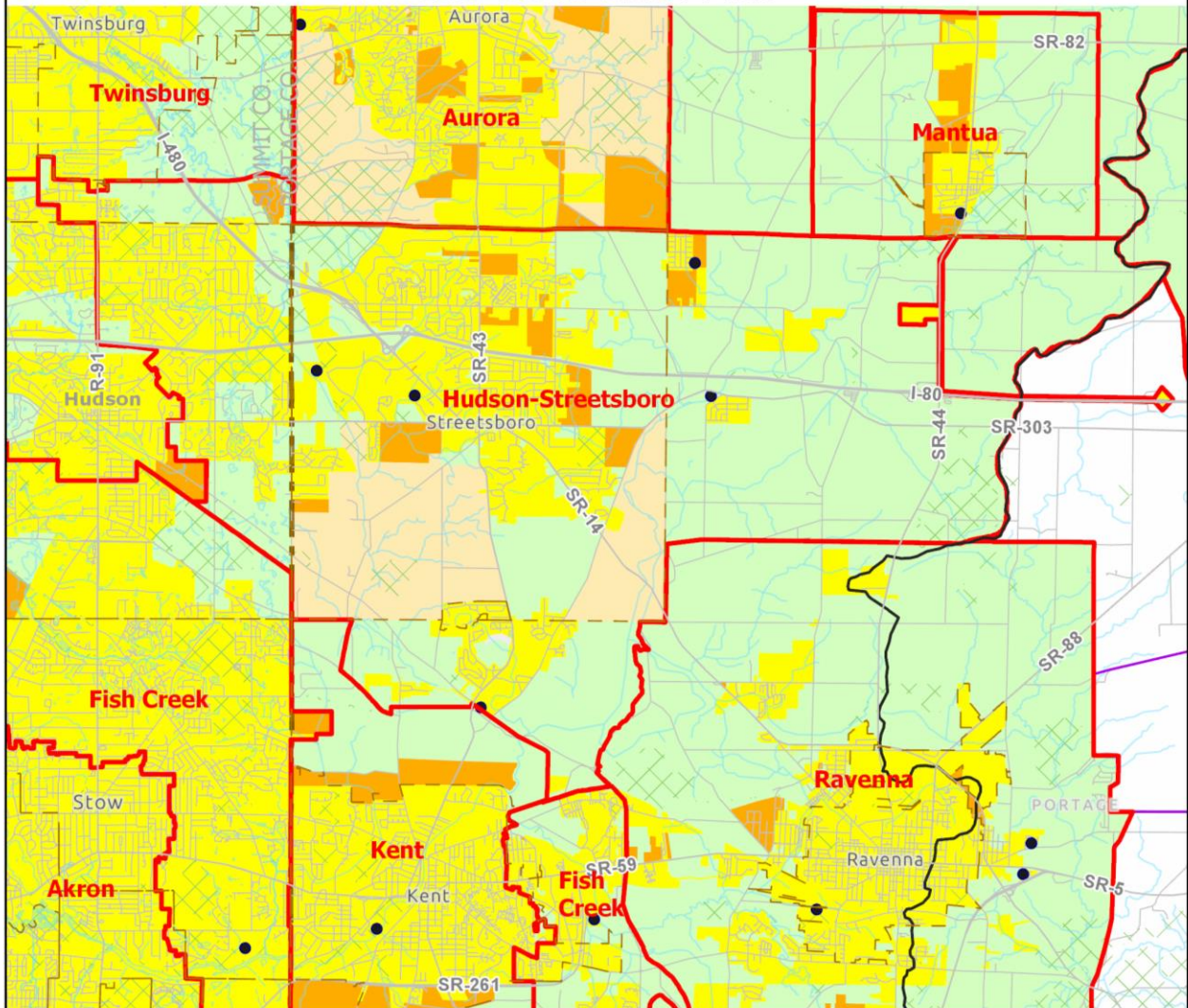
Appendix 3-6

















**Hudson-Streetsboro
Facilities Planning Area**

**Approved by the NEFCO General Policy Board
11/18/2020**

Hudson-Streetsboro Facilities Planning Area

208 Clean Water Plan



- | | | | |
|---|---|---|--|
|  | Areas Currently Served with Sanitary Sewer |  | FPA Boundary |
|  | Areas Expected to be Served with Sanitary Sewers within the next 20 Years |  | Lake Erie Basin-Ohio River Basin Divide (NHD 2016) |
|  | Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems |  | Stream |
|  | Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems |  | Municipal Boundary |
|  | Areas Without a Wastewater Treatment Planning Prescription |  | County Boundary |
|  | Ohio Army National Guard (OHARNG) |  | Numbered Route |
|  | Parks and Conservation Areas |  | Other Road |
|  | Lakes and Ponds |  | Publicly Owned Wastewater Treatment Works (POTW) |



* Please see Clean Water Plan text for a complete explanation of the mapping categories.
 * Please see the FPA Reference Map (Appendix 3-1) for names of adjacent FPAs .

Northeast Ohio Four County Regional Planning and Development Organization, 2020
 Sources: Portage County GIS; Ohio EPA; National Hydrologic Database; AMATS; NEFCO; ESRI base map.

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Hudson-Streetsboro Facilities Planning Area

I. Existing Situation

A. County/Basin:

Portage/Lake Erie

B. Facilities Planning Area:

Hudson-Streetsboro

C. Management Agency (MA):

I. Primary MA

- a) Portage County Water Resources (Portage County Regional Sewer District)

II. Secondary MAs

- a) Streetsboro Sanitary Sewer District No. 4 SSSD4 (Portage County Water Resources)
- b) Summit County Metropolitan Sewer District SCMSD (Dept. of Sanitary Sewer Services)
- c) Portage County Regional Sewer District PCRSB (Portage County Water Resources)

D. Publicly-Owned Treatment Works:

- a) Streetsboro Regional WWTP, 4.0000 MGD
- b) Red Fox WWTP, 0.1600 MGD
- c) Boling Brook WWTP, 0.1280 MGD

E. Facilities Plan:

The Streetsboro-Hudson Facility Plan (final draft April 1997) was jointly prepared by Portage County through a force account and by John David Jones and Associates, Inc. through a professional agreement. The Facilities Plan was based on the findings and recommendations of the Facilities Plan for the Upper Tinkers Creek Watershed.

F. Area Served:

Portage County; City of Streetsboro, Shalersville Township (part), Freedom Township (part)

Summit County; City of Hudson (part), Twinsburg Township (part).

G. Receiving Stream:

- a) Tinkers Creek
- b) Cuyahoga River
- c) Cuyahoga River

H. Contact Person/Address/Phone/Fax:

Portage County

Portage County Water Resources Director/Sanitary Engineer
Portage County Water Resources Department
8116 Infirmary Road
Ravenna, Ohio 44266
Phone: (330) 297-3670
Fax: (330) 297-3680

Summit County

Michael Vinay, Director
Summit County Department of Sanitary Sewer Services
1180 South Main Street, Suite 201
Akron OH 44301
Phone: (330) 926-2400
Fax: (330) 926-2471

I. Population Served:

The population projections used in the 201 Plan and those in the NEFCO 208 Clean Water Plan are compared below.

	<u>1990</u>	<u>1995</u>	<u>2000</u>	<u>2005</u>	<u>2010</u>	<u>2015</u>	<u>2020</u>	<u>2025</u>
Hudson-Streetsboro	26,040	----	28,750*	----	----	----	----	----
201	18,847	19,531	20,147	20,674	----	----	----	----
Approved 208								

* Service Area Only

The above population projections (Approved 208) were prepared in 1990. Updated projections are scheduled to be prepared after county population projections are produced by the Ohio Department of Development Office of Strategic Research.

II. Wastewater Treatment Planning Prescriptions and Wastewater Planning Options

Original source information provided by the Portage County Water Resources (Portage County Regional Sewer District), June 30, 2000 and Summit County Department of Sanitary Sewer Services, May 1, 2000.

Portage County Water Resources (Portage County Regional Sewer District)

Areas Currently Served with Sanitary Sewers (yellow):

City of Streetsboro, Village of Sugar Bush Knolls, Shalersville (part) and Freedom Township (part) - 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 to and/or provide sanitary service to ensure that wastewater will be treated at an existing publicly-owned treatment works (POTW) with modifications or expansions as required to handle the flow. Existing non-residential private treatment systems (semi public), which cease to operate properly, shall be abandoned and

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connection made to the existing sanitary sewer system. Failing HSTSs serving single family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02.

The Area currently served by the Portage County Twin Lakes Wastewater Treatment Facility, shall not be expanded or the zoning changed to accommodate a use that will discharge more sanitary sewage effluent than currently exists, until such time that Portage County can provide this area with additional capacity for treatment at an existing POTW.

Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems (green):

City of Streetsboro, Shalersville (part), Franklin Township (part) and Freedom Township (part) - Future development will be served by an existing POTW modified or expanded as required to handle the flow or a non-discharging sewage disposal system. Non-discharging systems including on-site septic systems and systems in which the effluent is applied to the land are locally permitted at this time. New discharging systems are only permitted for repair of existing systems in cases where both central sewer and non-discharging systems are not available.

Bolingbrook and Red Fox may be phased into the Streetsboro WWTP as they reach their useful life, as indicated by the flow shift arrows.

Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems (cream):

City of Streetsboro - This area is comprised of large undeveloped tracts of land and vacant lots subject to improvement. These are areas in which new development is expected to be “large-lot” low density, with non-discharging household and semi-public/private disposal systems as the primary method for the treatment of wastewater. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds a suitable treatment system design and installation that meets state and local requirements and assures there will be no off-lot discharge of effluent. All new multi-family, commercial, industrial, institutional, and major and minor subdivisions in this area shall install on-site non-discharging semi-public/private treatment systems providing that the local health department and the OEPA finds that the soils are suitable.

Failing HSTSs and semi-public/private wastewater treatment systems will be required to be repaired, replaced and or upgraded. The decision to replace or repair existing HSTSs shall be determined on a case-by-case basis and in accordance with the local planning agency and the local health department and the OEPA. Non-discharging systems including on-site septic systems and systems in which the effluent is applied to the land are locally permitted at this time. New discharging systems are only permitted for repair of existing systems in cases where both central sewer and non-discharging systems are not available.

Summit County Department of Sanitary Sewer Services Jurisdiction

Areas Currently Served with Sanitary Sewers (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 facilities planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be treated and discharged at an existing publicly-owned treatment works (POTW). Existing non-single-family private treatment systems which fail to operate properly will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Failing home sewage treatment systems (HSTSs) serving single-family homes shall be abandoned and the home connected to sanitary sewer service in accordance with Ohio Administrative Code (OAC) 3701-29-02(M) unless sewer service is not accessible, in which case the HSTS must be repaired or replaced to meet the standards found within OAC 3701-29.

Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems (green):

Twinsburg Township - The area west of Route 91 can be routed either to Northeast Ohio Regional Sewer District (NEORS) or to the Portage County's Streetsboro POTW. With the exception on one existing HSTS subdivision, the area is currently developing. Planning is underway to provide sanitary sewers to the HSTS subdivision mentioned above. All new subdivision development, whether residential or non-residential, and all other new non-residential, and new multi-family residential development, will be required to connect and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within the existing HSTS-served subdivision should be improved only when sanitary sewer is available. Remote metes-and-bounds residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. Single-family residences with failing HSTSs may use HSTSs for wastewater treatment provided there is no conflict with OAC 3701-29-02. Existing non-single-family private treatment systems which fail to operate properly will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Exceptions may be (granted/requested) based on sewer availability, soil conditions, extent of failure, and cost of repair.

City of Hudson - These areas are being progressively developed with sanitary sewers by the private sector. A few HSTS-served subdivisions remain in the area, but all are close to fully developed and there are no planning efforts underway to provide sanitary sewers to these subdivisions. All new subdivision development, whether residential or non-residential, and all other new non-residential, and new multi-family residential development, will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Vacant lots within existing HSTS-served subdivisions and remote metes-and-bounds residentially-zoned parcels may be so improved with new HSTSs provided the local health department finds that soils are suitable to assure there will be no off-lot discharge of effluent. Single-family residences with failing HSTSs may use HSTSs for wastewater treatment provided there is no conflict with OAC 3701-29-02. Existing non-single-family private treatment systems which fail to operate properly will be required to connect to and/or provide sanitary service to ensure that wastewater will be treated at an existing POTW. Exceptions may be (granted/requested) based on sewer availability, soil conditions, extent of failure, and cost of repair.

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