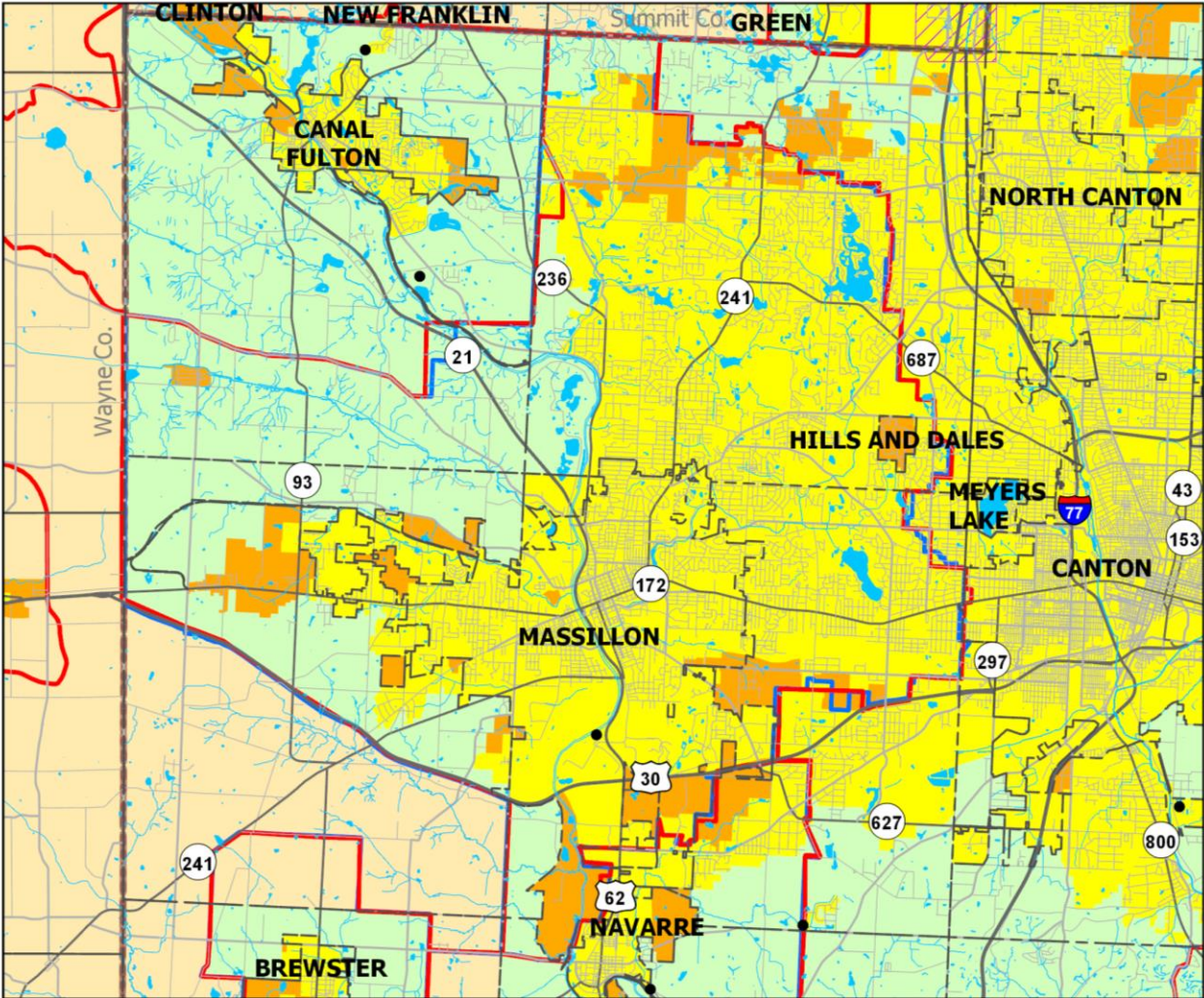


# **Appendix 3-22**

## **Massillon Facilities Planning Area**

# Massillon Facilities Planning Area

## 208 Clean Water Plan - 2020 Update

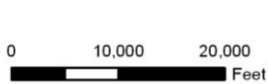


- Areas Currently Served with Sanitary Sewers
- Areas Expected to be Served with Sanitary Sewers within the next 20 years
- Areas that will be Served by Home Sewage and Semi-Public Sewage Disposal Systems
- Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal Systems
- Lakes and Ponds
- Stark-Summit Service Area
- Proposed FPA boundaries in Stark Co. adjusted to parcels
- Existing Approved FPA Boundaries
- Stream
- Community Boundary
- Numbered Route
- Other major road
- Local road
- Railroad
- 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 .

\* FPAs and Prescription boundaries shown on this map and electronically were adjusted to parcel boundaries by Stark Co. Sanitary Engineers staff 7/1/2019, or as subsequently amended.



Sources: Stark County Sanitary Engineer; Stark County GIS; Ohio EPA; National Hydrologic Database; NEFCO Northeast Ohio Four County Regional Planning and Development Organization, 2019

## **Massillon Facilities Planning Area**

### **I. Existing Situation**

#### **A. County/Basin:**

Stark/Ohio River Basin

#### **B. Facilities Planning Area:**

City of Massillon

#### **C. Designated Management Agency (DMA):**

##### **I. Primary DMA**

a) City of Massillon

##### **II. Secondary DMA**

a) Stark County Metropolitan Sewer District

#### **D. Publicly-Owned Treatment Works:**

City of Massillon WWTP

Current average daily flow 15.8 MGD

#### **E. Facilities Plan:**

This is an update to the 1998 update to the 1976 Facilities Plan

#### **F. Area Served:**

Stark County – City of Massillon, Perry Township (part), Jackson Township (part), Tuscarawas Township (part), Bethlehem Township (part), and Lawrence (part)

#### **G. Receiving Stream:**

Tuscarawas River

#### **H. Contact Person/Address/Phone/Fax:**

##### **a) Jason M. Popiel, P.E. City Engineer**

City of Massillon

151 Lincoln Way East

Massillon, OH 44646

Phone: 330-830-1722

Fax: 330-830-1786

##### **b) Tony Ulrich, WWTP Manager**

City of Massillon

100 Big Indian Road SW

Massillon, OH 44646

Phone: 330-833-3304

Fax: 330-830-3646

##### **c) Mr. Jim Troike, P.E., Sanitary Engineer**

Stark County Metropolitan Sewer District

P. O. Box 9972

1701 Mahoning Road NE

Canton, OH 44711-0972

Phone: (330) 451-2303 438-9393

Fax: (330) 451-2368 453-9044

**I. Population Served:**

Not available at this time.

**II. Wastewater Treatment Planning Prescription and Wastewater Planning Options**

Original source information provided by the City of Massillon, December 15, 2003, and the Stark County Metropolitan Sewer District, January 15, 2004.

*City of Massillon Jurisdiction*

**Areas Currently Served with Sanitary Sewers (yellow):**

These areas are currently served with existing sanitary sewers. However, there still may be undeveloped tracts of land and vacant lots that are subject to improvement. All new developments in this planning area will be required to connect and/or provide sanitary service to ensure that wastewater will be transported and treated at an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to existing sanitary sewers. Properties with failing HSTSs or semi-public sewage treatment systems will be required to connect to existing sanitary sewers, or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Limited variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions.

**Areas Expected to be Served with Sanitary Sewers within the next 20 Years ~~that will eventually be served by sewers~~ (orange):**

This area contains large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in this area will be required to connect to existing sanitary sewers for removal of sanitary wastewater and transportation to a POTW. (In accordance with section 3701-29-01[KK] of the Stark County Combined General Health District Residential Sewage Regulations, "residential subdivisions" shall be defined as the creations of three (3) or more lots or tracts from one parcel. Creation of these lots may occur all at one time or over a period of time. When considering any lot or parcel, the status of the parcel on or before August 11, 1974 will be used.) The developer shall be required to extend new sanitary sewer service from the proposed development to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be so improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by failing HSTSs or failing semi-public sewage treatment systems will be required to connect to existing sanitary sewers or sanitary sewer service must be provided to ensure that wastewater will be transported and treated at an existing POTW. Failing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to the public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly



referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

**Areas that will be Served by a POTW or by Home Sewage and Semi-Public Sewage Disposal treatment systems and sanitary sewers (green):**

This area contains large undeveloped tracts of land and connections to a sanitary sewer for treatment at a POTW will be rare. Privately operated sewage treatment systems will be allowed based on evaluation and approval of the local Board of Health or OEPA, depending upon authority granted by statute. Individual residentially zoned parcels may be improved with new HSTSs provided the local health department finds that conditions are suitable. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Failing HSTSs will be required to be repaired in accordance with local Board of Health requirements if sewer is not available. Upon becoming available or accessible to sanitary sewer, properties served by household sewage treatment systems (HSTS) or semi-public sewage treatment systems will be required to connect to sanitary sewers to ensure that wastewater will be transported and treated at an existing POTW. If sewer is available, HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. Variances to any provision of this prescription may be granted by the local Board of Health based on sanitary sewer availability, threat to public health, or other unique conditions. Publicly operated wastewater treatment plants, commonly referred to as “package plants,” will not be approved for new residential, commercial or industrial subdivisions.

*Stark County Metropolitan Sewer District Jurisdiction*

**Areas Currently Served with Sanitary Sewers (yellow):**

These areas are currently served with sanitary sewer. However, there still may be undeveloped parcels of land that are subject to improvement and isolated structures that are not connected to sanitary sewer.

All new developments in yellow areas will be required to connect to existing sanitary sewer or construct a new sanitary mainline sewer to ensure that wastewater will be transported to an existing publicly owned treatment works (POTW). Properties served by household sewage treatment systems (HSTS), small flow on-site sewage treatment systems (SFOSTS), or semi-public sewage treatment systems will be required to connect to sanitary sewer when it becomes available. The cost of such sewer connection shall be born by the property owner. Properties with failing HSTS, SFOSTS, or semi-public sewage treatment systems will be required to connect to existing sanitary sewer, or a mainline sanitary sewer must be constructed by the property owner to ensure that wastewater will be transported to and treated by a POTW. HSTS, SFOSTS and semi-public sewage treatment systems shall be abandoned in accordance with law. For both new and existing developments, the Stark County Sanitary Engineer will determine whether or not the sewer connection is acceptable. If it is determined by the Stark County Sanitary Engineer that the POTW and/or sanitary sewer do not have capacity to accept the connection, or there are other physical, legal or financial barriers prohibiting connections, then documentation that adequately and reasonably supports the claim must be provided to the Stark County Board of Health and/or Ohio EPA. The Board of Health or Ohio EPA, whichever has legal authority over the development, after review of the information, may permit the use of onsite sewage treatment systems. In no case shall a system producing an off-lot discharge of effluent be permitted for

new construction. For HSTS and SFOSTS, limited variances to any provision of this prescription may be granted by the Stark County Board of Health, based on sanitary sewer availability and/or accessibility, threat to public health or other unique conditions.

**Areas Expected to be Served with Sanitary Sewers within the next 20 Years (orange):**

These areas contain large undeveloped tracts of land and vacant lots subject to improvement. New commercial, industrial, institutional, and residential subdivisions in these areas shall be required to connect to existing sanitary sewers for removal and conveyance of sanitary wastewater to a POTW. Areas programmed for sewers within the next 20 years shall be required to extend new sanitary sewer service from the proposed area to the existing sanitary sewer system that is served by a POTW. Individual residentially zoned parcels may be improved with new HSTSs provided the Stark County Board of Health finds that conditions are suitable and the sanitary collection system is not available or is inaccessible. In no case shall a system producing an off-lot discharge of effluent be permitted for new construction. Properties served by or accessible to sanitary sewers must be connected even if that requires a pump system to ensure that wastewater will be transported and treated at a POTW. Failing HSTSs serving single, two, and three-family homes shall be abandoned in accordance with Ohio Administrative Code 3701-29-02. The local Board of Health may grant variances to any provision of this prescription based on sanitary sewer availability, threat to the public health or other unique conditions. Publicly-operated wastewater treatment plants, commonly referred to as “package plants,” may be approved for new residential, commercial or industrial subdivisions upon the approval of the Stark County Sanitary Engineer, the Board of Health and the Ohio EPA. This prescription may also be employed as an interim program while a sanitary collection system is designed, bid and constructed.

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

**(Subdivisions)**

New commercial, industrial and residential subdivisions required to be platted by state and/or local regulations will be required to provide sanitary sewer service to ensure that sanitary wastewater will be transported to and treated at an existing POTW when:

1. An existing sewer, owned and operated by a ~~Designated~~ Management Agency (DMA), is within 2,500 ft. of the property proposed for development. For subdivisions which require pumping to reach an existing sewer, the development must comprise a minimum of 50 single-family lots, or the development must be projected to produce the equivalent sewage flow of 50 single-family lots.
2. It is determined by the Stark County Sanitary Engineer that the POTW and existing sanitary sewer have capacity to accept flow from the proposed development.
3. The Stark County Sanitary Engineer deems the connection to sewer as acceptable.
4. There are no other physical, legal or financial barriers prohibiting such connection.

If it is determined that such a barrier exists, then documentation that adequately and reasonably supports the claim must be provided to the Stark County Board of Health and/or the Ohio EPA. The Stark County Board of Health or the Ohio EPA, whichever has legal authority over the development, after review of the information, may permit the use of onsite sewage treatment systems. In no case shall a system producing an off-site discharge be permitted for new development. For HSTS and SFOSTS, limited variances to any provision

of this prescription may be granted by the Stark County Board of Health based on sanitary availability and/or accessibility, threat to public health or other unique conditions. New, centralized wastewater treatment systems serving new developments with more than one lot/parcel, excluding approved SFOSTS, will not be approved.

**(Individual Lots - residential)**

New residential development on existing, individual parcels/lots or newly created, unplatted parcels will be required to provide sanitary sewer service to ensure that sanitary wastewater will be transported to and treated at an existing POTW when:

1. An existing sewer, owned and operated by a ~~Designated~~ Management Agency (DMA), is within 400 ft. of the parcel/lot proposed for development.
2. It is determined by the Stark County Sanitary Engineer that the POTW and existing sanitary sewer have capacity to accept flow from the proposed development.
3. The Stark County Sanitary Engineer deems the connection to sewer as acceptable.
4. There are no physical, legal or financial barriers prohibiting such connection.

If it is determined that such a barrier exists, then documentation that adequately and reasonably supports the claim must be provided to the Stark County Board of Health. The Stark County Board of Health, after review of the information, may permit the use of onsite sewage treatment systems. Where sanitary sewer is currently not accessible, individual parcels may be improved with new HSTS or SFOSTS, provided the Stark County Health Department finds that conditions are suitable. In no case shall a system producing an off-site discharge of effluent be permitted for new construction. An owner of an existing parcel served by an HSTS or a SFOSTS may extend a mainline sanitary sewer to the parcel so that wastewater is transported to an existing POTW, when and if the Stark County Sanitary Engineer deems the extension and connection as acceptable. When sanitary sewer becomes available, existing HSTS, SFOSTS and semi-public sewage treatment systems shall be abandoned in accordance with law, and the parcel shall be connected to sanitary sewer at the cost of the parcel owner. For HSTS and SFOSTS, variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary sewer availability and/or accessibility, threat to the public health or other unique conditions.

New POTW and sanitary sewer intended to serve areas of existing residential development served by HSTS, SFOSTS and semi-public sewage treatment systems are acceptable.

**(Individual Lots - non-residential)**

New commercial development on existing individual parcels or newly created unplatted parcels will be required to provide sanitary sewer service to ensure that sanitary wastewater will be transported to and treated by an existing POTW when:

1. An existing sanitary sewer, tributary to a POTW, is within 1,000 ft. of the property proposed for development.
2. It is determined by the Stark county Sanitary Engineer that the POTW and existing sanitary sewer have capacity to accept flow from the proposed development.
3. The Stark County Sanitary Engineer deems the connection to sewer as acceptable.
4. There are no physical, legal or financial barriers prohibiting such connection.

If it is determined that such a barrier exists, documentation shall be provided to the Stark County Board of Health and/or Ohio EPA. The Board of Health or Ohio EPA, whichever has legal authority over the development, after review of the information, may permit the use of onsite sewage treatment systems. In no case shall a system producing an off-site discharge of effluent be permitted for new construction. For HSTS and SFOSTS, limited variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary sewer availability and/or accessibility, threat to public health or other unique conditions. New, centralized wastewater treatment systems serving new development with more than one lot/parcel, excluding approved SFOSTS, will not be approved. Properties served by existing, failing semi-public treatment systems or SFOSTS, when deemed necessary by the Stark County Board of Health or Ohio EPA, will be required to connect to existing sanitary sewer, sanitary sewer service must be provided by the property owner to ensure that wastewater will be transported to and treated by an existing POTW. Otherwise, failing semi-public treatment systems and SFOSTS must be repaired or replaced to current standards. At the cost of the property owner, all properties served by semi-public treatment systems or SFOSTS, including functioning systems, shall be connected to sanitary sewer when it becomes available or when the property owner is so directed by the Ohio EPA, Stark County Board of Health or Board of Stark County Commissioners.

**Areas that will be Served by Home Sewage ~~HSTS, SFOSTS~~, and Semi-Public Sewage Disposal treatment-Systems (cream):**

These areas are, for the most part, a great distance from existing sanitary sewers. Approval of connections to sanitary sewer for treatment of effluent at a POTW will be rare. Cream areas that appear closer to existing sewers are often burdened with other limitations to sanitary sewer to connection, such as: sanitary sewer capacity, physical obstructions to sewer construction, and flood plains.

Where sanitary sewer is not accessible, as determined by the Stark County Board of Health in conjunction with the Stark County Sanitary Engineer, new HSTS, SFOSTS or semi-public treatment systems may be permitted for subdivisions or individual parcels, based on evaluation and approval of the Stark County Board of Health or Ohio EPA, depending on authority granted by statute. In no case shall a system producing an off-site discharge of effluent be permitted for new construction. New, centralized wastewater treatment systems serving new development for more than one individual parcel, except approved SFOSTS, will not be approved. If sewer is not available, failing sewage treatment systems will be required to be repaired in accordance with Stark County Board of Health or Ohio EPA requirements, depending upon authority granted by statute.

Upon sanitary sewer becoming available, properties served by HSTS, SFOSTS or semi-public treatment systems will be required to connect to sanitary sewer to ensure that wastewater will be transported to and treated by a POTW. When sanitary sewer is available, HSTS, SFOSTS and semi-public sewage treatment systems shall be properly abandoned in accordance with law and the property shall be connected to sanitary sewer at the cost of the property owner. For HSTS and SFOSTS, variances to any provision of this prescription may be granted by the Stark County Board of Health based on sanitary sewer availability and/or accessibility, threat to public health or other unique conditions.