

# TOWN OF FAYETTE

## Proposed Sanitary Sewer District No. 1



# SYSTEM GENERAL CHARACTERISTICS

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- **Low-Pressure Sewer and Conventional Systems**
  - Piping Force Main (Sizes Varies 2" to 8")
  - Individual Pump and Control Panel (Each Business or household)
  - Individual Pumps Discharge to common Force Main
  - District will purchase pumps, electric panel and hookup in the first year (No Additional Charge For Connection).
  - Conventional Pump System Location Near Intersection of Boody's Hill and NYS Route 96 A
  - Connection to V/O Waterloo Sanitary Sewer System near Maple Drive
  - Electric installation (By Property Owner) / Individual Circuit
  - Lateral piping from house to pump (By Property Owner) per Town Specifications

# PROJECT OVERVIEW

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- Proposed Force Main Route:
  - Trunk Line (Approximately 8 Miles)
    - Start at Municipal Line (T/O Fayette and Varick)
    - Service Lake Properties (Along North property line) and continuing along Railroad (South of Railroad)
    - Along Pastime Park and Kime Beach Road and private property to Boody's Hill Road (West of Edgewood Drive)
    - Along Boody's Hill Road and continue north crossing NYS Route 96 A to River Road.
    - River Road north easterly to connection point with Village of Waterloo Sanitary Sewer System

# PROJECT OVERVIEW

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- Proposed Force Main Route (Continued)
- Spur Lines (Approximately 3.2 Miles)
  - Spur Lines (South Area)
    - Teal Beach
    - High Banks Road
    - East Lake Road (East of High Banks Road)
    - Lurch Road to East Lake Road
    - Edgewood Drive and East to East Lake Road
    - East Lake Road to Boody's Hill for
  - Spur Lines (North Area)
    - Seneca Lake Park (Across water) Connect to Boody's Hill
    - Cross NYS Route 96A to River Road to Trunk Line

# GRANT AWARD/OPPORTUNITIES

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- Northern Border Regional Commission: \$1,000,000 Award
- WQIP (Submitted July 29, 2022), Pending Decision
  - 40% of Construction Cost (Maximum Award)
- WIIA Grant (Due September 9, 2022). Anticipated decision in 1<sup>st</sup> Quarter of 2023
  - 25% of Project Cost (Maximum of \$3.0 M) with Review of other Grants

# CONSTRUCTION COST

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- Estimated Project Cost
  - \$8,859,000
    - This cost includes all construction components of the project along with 18% Contingency and 25% Legal, Fiscal, Administration and Engineering.
- Reduce the above cost by \$1,000,000 for the Grant Awarded reduces the project cost to \$7,859,000
- Average Annual Debt Service considering an Interest rate of 4.0% and a Term of 40 Years is \$396,880

# TYPICAL USER COST

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- Cost is based on Three (3) elements
  - Debt Service (Project Cost for Improvement)
  - Operation and Maintenance (Flat fee per property)
  - Commodity Charge (Sewerage Discharge based on Water Use)

# EDU/DEBT SERVICE

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- An Equivalent Dwelling Unit or EDU is defined as a property having a water usage comparable to a single family home (50,000 gallons of water per year)
  - Property Classification based on Assessors Determination
  - Example: 1 single family home = 1 EDU; a Duplex is anticipated to use additional water per year and will be charged 2 EDU's
  - Commercial Development: EDU's assigned based on Anticipated Water Usage



# EDU/DEBT SERVICE

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- Debt Service is Based on a Benefit Basis
  - Example: 1 single family home = 1 EDU
  - Debt Service Cost is based on the Number of EDU's Assigned
  - 1 Single Family Home = 1 EDU **regardless** of the parcel size
  - Vacant Parcels = 0.5 EDU

# PARCELS AND EDU

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- Number of Parcels in Proposed District:
  - 292 Parcels
- Estimated Calculated EDUs:
  - 345.50
- Vacant Property with Ag Exemption-No EDUs assigned

# O&M and COMMODITY CHARGES

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- Operation and Maintenance (O&M) Annually
  - \$150 annually (Billed on Town Tax Bill)
  - Commodity for Sewer Discharge (Billed Quarterly-Separate Bill)
- Estimated water use for a Single Family Home is 50,000 gallons/Year
- This district will be charged \$11.40/1,000 gallons discharged (Based on Water usage/estimated, Current Village Rate)
- Commodity Charge: Estimated at \$570.00/year

# TOTAL COST FOR A TYPICAL USER

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**Total Cost Based on an Annual Basis  
(\$7,859,000 @ 4.0% for 40 Years)**

<b>Debt Cost:</b>	<b>\$1,149.00</b>
<b>Operation and Maintenance:</b>	<b>\$ 150.00</b>
<b>Water Use (50,000 Gallons):</b>	<b>\$ 570.00</b>
<b>Total:</b>	<b>\$1,869.00</b>

**\$7,859,000 @ 5.0% for 40 Years**

**Total: \$2,047.00**



# NOTATIONS

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- No connection charge if connected in the first year.
- Pump, Service line and Electrical panel installed in the Right-of-Way/Easement Line to be discussed with Homeowner.
- Construction of pipe lateral and electric service from house to pump Station is the responsibility of Home Owner.
- Electric use will be paid by Home Owner. Anticipated average cost for a typical property may be \$50/year (depending on use and electric rates).

# NEXT STEPS

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- Await Final Grant Decisions (WQIP and WIAA).
- SHPO Review (Archeological Testing)
- Sign support petition.
- Public Hearing to be Held for District Formation.
- After Public Hearing District formation may be considered by Town Board.
- District formation will be on Permissive Referendum.

# NEXT STEPS

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- Application to the NYS Comptroller is Required (Exceeds threshold of \$706 for 2022)
- Survey and Design Start

# Questions?

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Thank you!

## Contact Information

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