



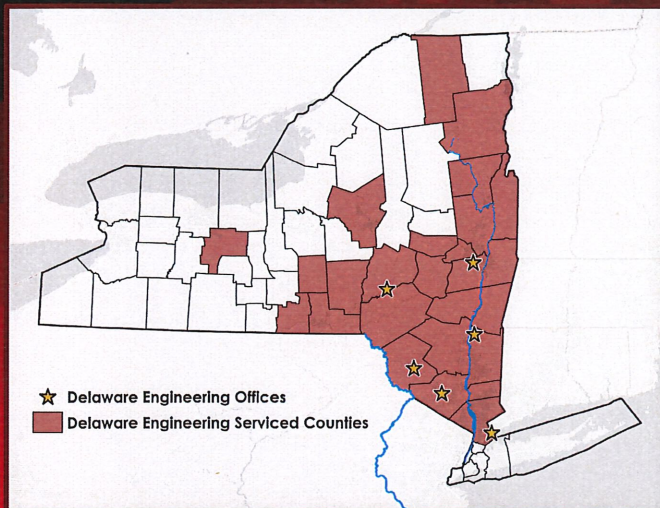
*Presented by*  
DELAWARE ENGINEERING, DPC  
December 11, 2024



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PROVIDING  
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YORK STATE SINCE  
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Potable and Process Water  
Wastewater Collection and Treatment  
Stormwater Management  
Hydraulic Modeling  
Community Planning  
Economic Development Analysis  
Geographic Information Systems  
Environmental Studies  
Permitting and SEQR/NEPA  
Public Infrastructure Grant Writing  
Public and Industrial Buildings  
Construction Engineering and Inspection



# PROJECT BACKGROUND AND NEED

## Need for Project

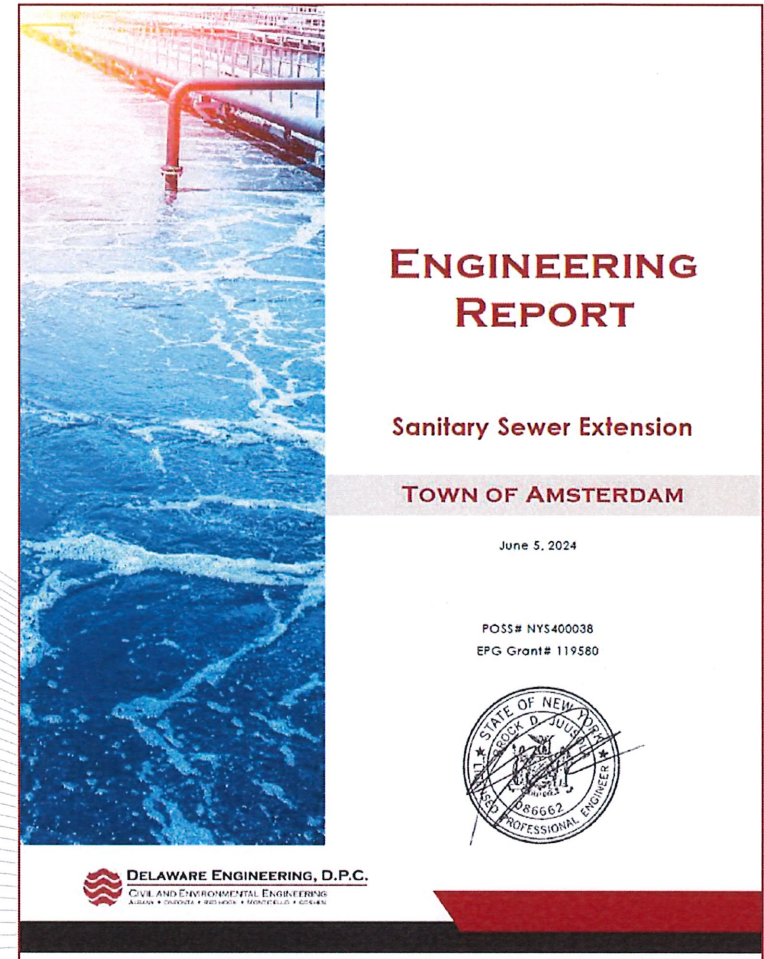
- Failing Septic Systems
- Environmental and water quality issues – SUNY Cobleskill, SUNY Poly, Riverkeeper study:
  - North Chuctanunda Creek is impaired as seen with multiple measures of fecal indicator bacteria (FIB);
  - This has been a long-term problem;
  - There are indications that the inputs continue downstream; and,
  - The public are using (and more frequently using) the Creek for recreation.
- NY Rising Community Reconstruction Plan – Identified need for sewers in Harrower Area to mitigate impacts to vulnerable groundwater wells and contamination during wet weather events

## Engineering Planning Grant

- Awarded to the Town by NYS EFC in 2023
- Product of grant = Preliminary Engineering Report (PER)
- PER follows EFC format:
  - Existing conditions
  - Need for project
  - Alternatives Analysis
  - Recommended Alternative



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# ALTERNATIVES ANALYSIS AND RECOMMENDED ALTERNATIVE

## Recommended alternatives are:

- Alternative 2 – Harrower Area Sewer Extension
- Alternative 3 – Crouse Drive Sewer Extension

**These alternatives address the identified need, are technically feasible, and best balance the following factors:**

- Addressing failing septic systems;
- Implementation a project identified during the NY Rising initiative that would increase environmental resilience of the Town;
- Address known e-coli issues in North Chuctanunda Creek; and
- Cost of project vs. number of parcels/density of areas to be included.

## Not recommended:

- Alternative 1 – No Action
- Alternative 4 – Golf Course Road Sewer Extension
- Alternative 5 – Sunset Road Sewer Extension
- Alternative 6 – Chapman Drive Sewer Extension
- Alternative 7 – Country Club Lane Sewer Extension
- Alternative 8 – Green Infrastructure
- Alternative 9 – Regional Consolidation
- Alternative 10 – Centralized vs Decentralized



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# RECOMMENDED ALTERNATIVE

## Harrower Area:

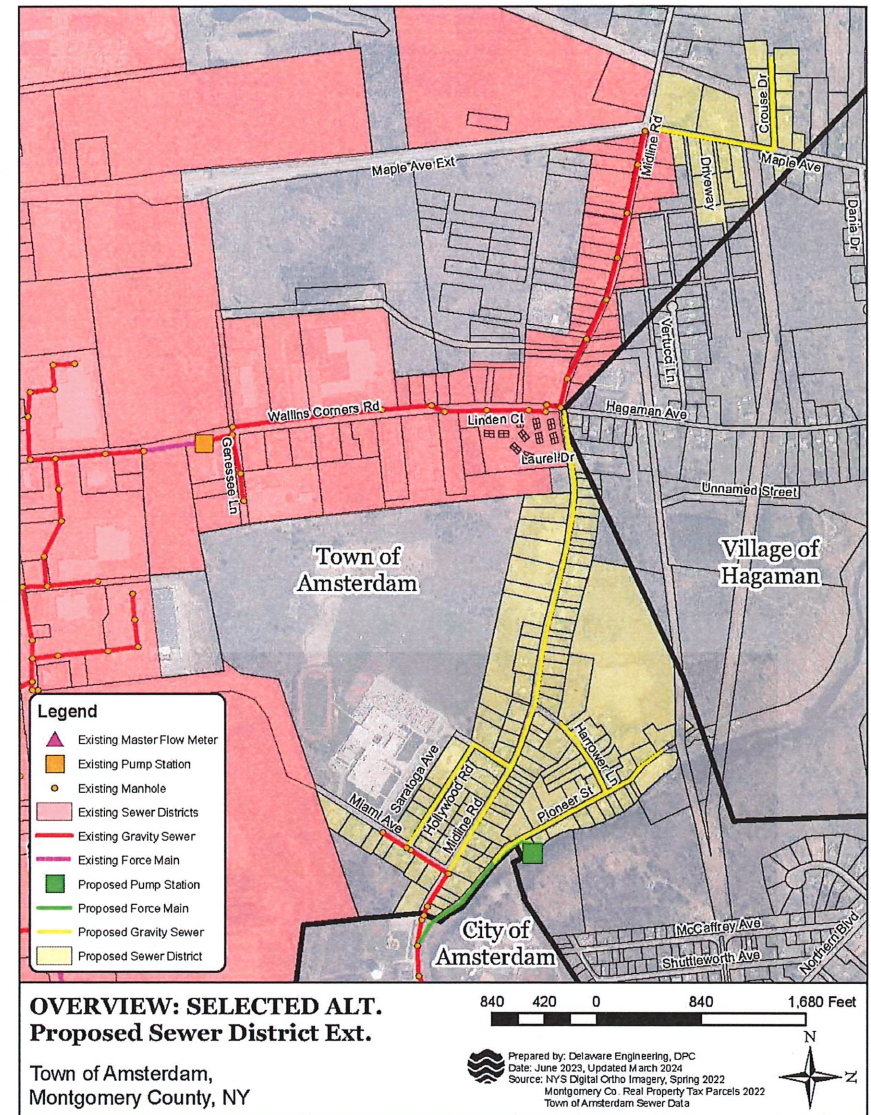
- Parcels: 117 developed & 23 vacant
- Approximately 7,650 liner feet of 8-inch diameter gravity sewer line on Hollywood Road, Midline Road, Pioneer Street and Harrower Lane, discharging to City Sewers on Midline Road
- Pump station, 1,250 feet of force main and a meter manhole
- Cost: \$7.2 M

## Crouse Area:

- Parcels: 18 developed & 4 vacant
- 1,800 liner feet of 8-inch gravity sewer on Crouse Drive and Maple Avenue is proposed that will convey sewage to an existing gravity 10-inch sewer main on Midline Road.
- This area will discharge to the Town of Amsterdam-owned sewers on Midline Road.
- Cost: \$1.4 M



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## RECOMMENDED ALTERNATIVE: FINANCING

	Scenario 1	Scenario 2	Scenario 3
Total Project	\$8,531,000	\$8,531,000	\$8,531,000
Subsidized Loan (SRF)	-		
Hardship Loan (SRF)	0% interest	0% interest	0% interest
WIIA Grant	-	\$2,132,750	\$2,132,750
WQIP Grant	-	-	\$1,000,000
Subtotal Financed	\$8,531,000	\$6,398,250	\$5,398,250
Total Annual Cost to Sewer District	\$284,367	\$213,275	\$179,942



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## RECOMMENDED ALTERNATIVE: ESTIMATED AVERAGE ANNUAL COST TO TYPICAL RESIDENTIAL PARCEL (SINGLE FAMILY HOME)

	Scenario 1	Scenario 2	Scenario 3
Debt Service	\$2,223.92	\$1,667.94	\$1,407.25
O&M Cost	\$28.43	\$28.43	\$28.43
City Charge	\$554.99	\$554.99	\$554.99
Total	\$2,807.34	\$2,251.36	\$1,990.67



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# STATUS AND NEXT STEPS

## Complete Activities

- PER approved by and submitted to NYS for potential grant funding
- NYS EFC listed the project on the Intended Use Plan (IUP) (October 2024)
- State Environmental Quality Review Act (SEQR) process initiated by Town Board
- Public information session

## Next Steps

- Town determines whether to proceed with Project

### *Presuming project proceeds:*

- Town Board closes SEQR, creates sewer district, approves issuance of debt (now - 2025)
- Town applies for SRF, WIIA, and WQIP financial and grant assistance (May 2025)
- Grant awards announced (October 2025)
- Detailed Design (2026)
- Construction (2027)



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# QUESTIONS?



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