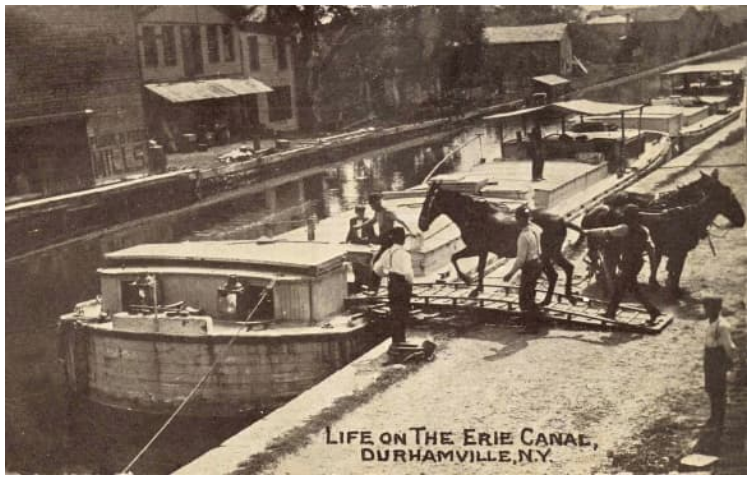
Barton & Loguidice | The Experience to **Listen**. The Power to **Solve**.







Durhamville Sewer District Project Update

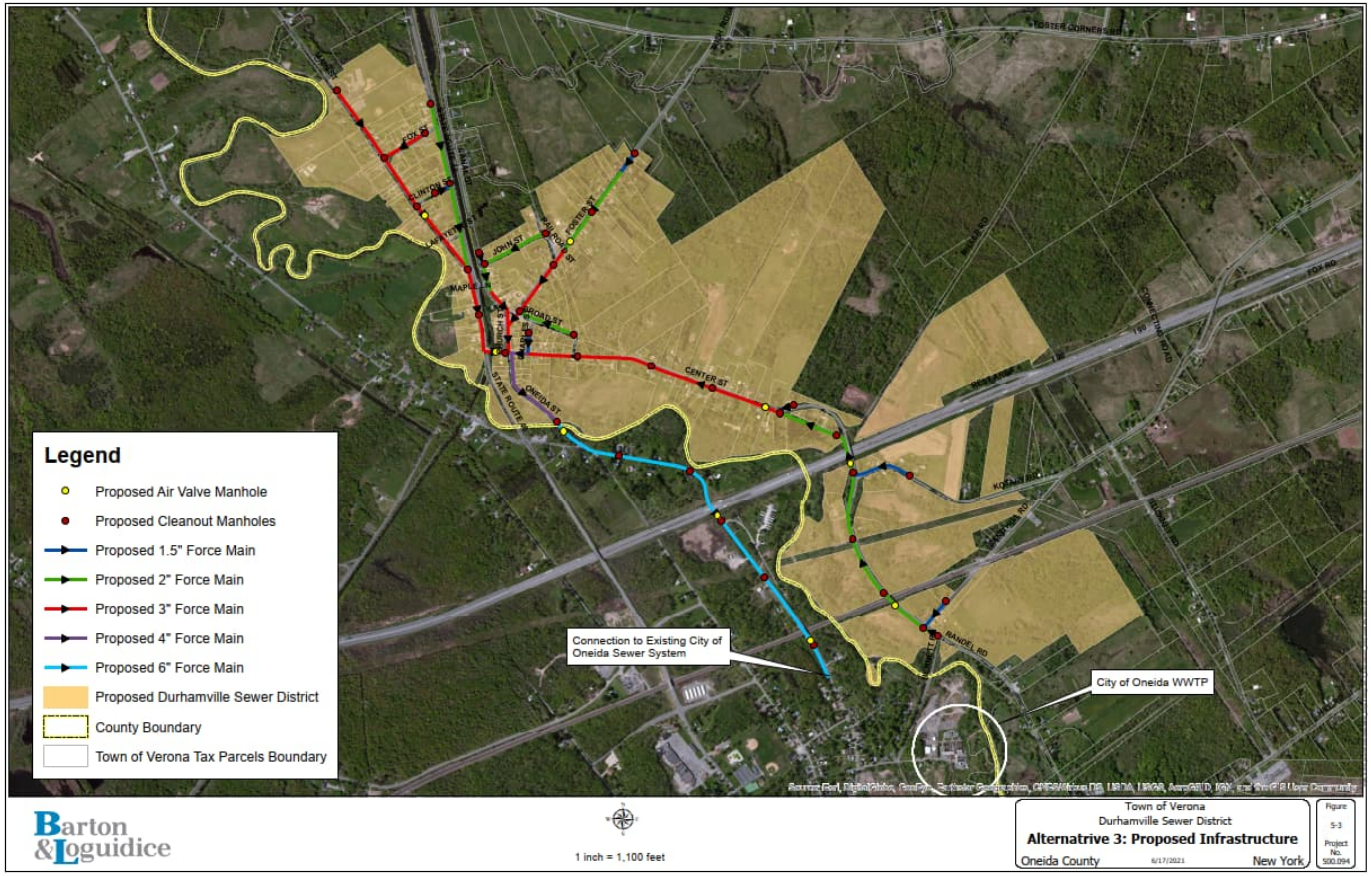
DURHAMVILLE FIRE HALL

January 24, 2023

Presentation Agenda

- Proposed Sewer District
- Grinder Pump Connection Information
- Project Financing
- Next Steps

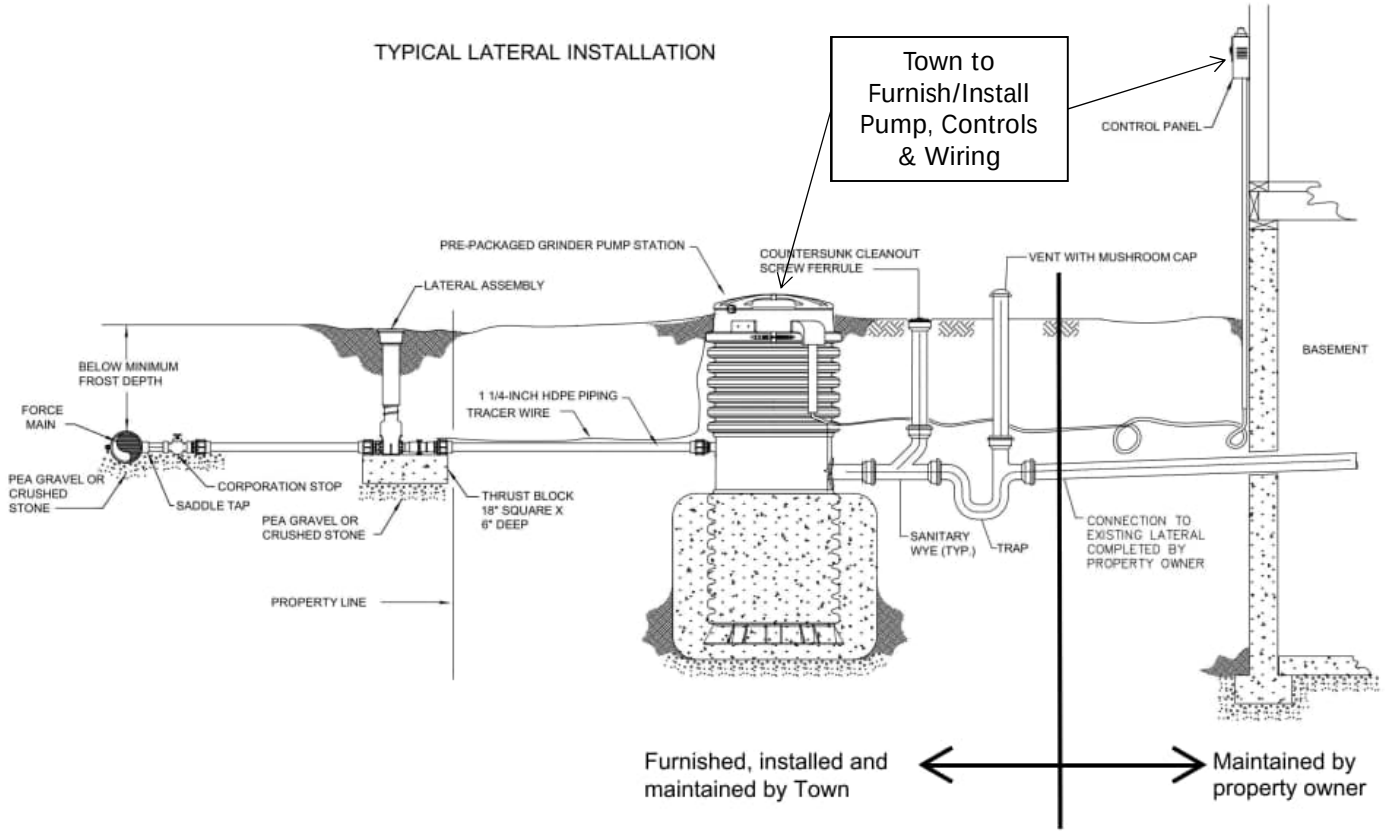
Proposed Sewer District



Proposed Facilities:

- Low Pressure Collection System
- Installation of Individual Grinder Pumps and Service Laterals
- Decommisssion Existing Septic Tanks
- Connection to City of Oneida Collection System

Lateral and Grinder Pump Installation Detail



Typical Grinder Pump Installation







Typical Grinder Pump Installation



Locating Your Grinder Pump

- Every house to be assessed by engineer
- Individual grinder pumps
- Alarm panel/pump visible from street
- Alarm/shutoff adjacent to grinder pump
- As close as feasible to existing building sewer and house

Locating Your Grinder Pump

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Engineers • Environmental Scientists • Planners • Landscape Architects

Home Inspection Form

Print Key		Invert Depth Below Finshed Floor	2.5' approx.
Property Class		Approximate Depth of Cover	
Local Street Number		Existing Sewer Size	4
Local Street Name		Sewer Material	PVC
Owner Name		Sewer General Comments	
Owner Street Address			
Owner City/State			
Basement, Crawl Space or Slab	Crawl Space	NYSEG Meter Number	27205161
No. of Bedrooms	2	Meter Condition	good
Max. Number of Residents	6	Weather Head Condition	
Year-Round or Seasonal	Year Round	Misc. Electrical Issues	
If Seasonal, What Months		Inspection Status	Inspection Complete
Any Non-Residential Use	☐	Owner Comments	
No. of Structures In Need of Sewer Service	1		
Structure Descriptions	House	Alarm Panel Location	house
Any Planned Expansion	☑	Grinder Pump Type	individual
Existing Water Source	Municipal Water		
Wastewater Treatment Type	Septic tank		
If Non-Residential Use, Describe			
If yes, Describe Expansion			
Archaeological Permission Form Complete	☑		

Page 1 of 3

Grinder Pump Electrical Usage

- Approximately $30/year for an average single family household.
- Grinder pumps in perspective:

Appliance	Typical Annual Usage (kWh)
Air Conditioner	2000
Clothes Dryer	1200
Refrigerator	750
Television	500
Residential Grinder Pump	200
Coffee Maker	100
Vacuum Cleaner	45
Clock	17

Power Outages

What Happens During Power Outages?

- Natural Forced Water Conservation
- Available storage in grinder pump (minimum 70 gallons)
- Manufacturer study – 70 gallon grinder pumps have adequate storage for an average family for 97% of national power outages
- Outlet for generator (6kW minimum)

Project Financing

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Project Costs:

- Total Probable Project Cost: $10,200,000
- Estimated Number of Users: 233 EDU's

Base Funding:

CWSRF "Hardship" Loan (Need Income Survey to confirm eligibility)
Provides 0% Interest, 30 Year Loan

Grants:

- NYSEFC CWSRF Hardship or BIL Grant (Need Income Survey to confirm eligibility)
  Up to 50% net of non-EFC grants
- NYS WIIA Grant
  Up to 25% net project cost
- NYS HCR CDBG Grant (Need Income Survey to confirm eligibility)
  Up to $1.25M with co-funding
- NYSDEC WQIP
  Need documented waterbody impairment (project not currently eligible)

O&M Costs: Approx. $350 per EDU including City of Oneida charges and pump power

NYS Comptroller's Office Town Sewer District Cost Threshold: 2023 - $694; 2022 - $706; 2021 - $696; 2020 - $818; 2019 - $845

Next Steps

- Income Survey: Due June 16, 2023
- Updated Project Listing to NYSEFC (Hardship and BIL Loan/Grant): Due June 16, 2023
- NYS SEQR, Sewer District Formation, Bond Resolution: February - July 2023
- NYS CFA Grant Application: (NYSHCR CDBG Grant): July 2023
- NYS WIIA Grant Application: September 2023

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Discussion & Questions



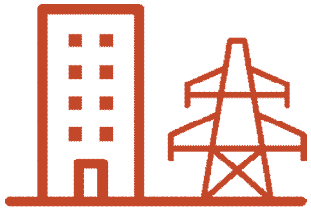
ASSET MANAGEMENT



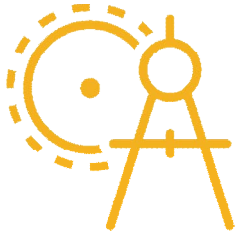
ENVIRONMENTAL



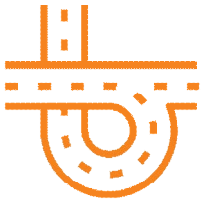
SOLID WASTE



FACILITIES



LAND SURVEYING



TRANSPORTATION



WATER RESOURCES



SUSTAINABLE PLANNING & DESIGN