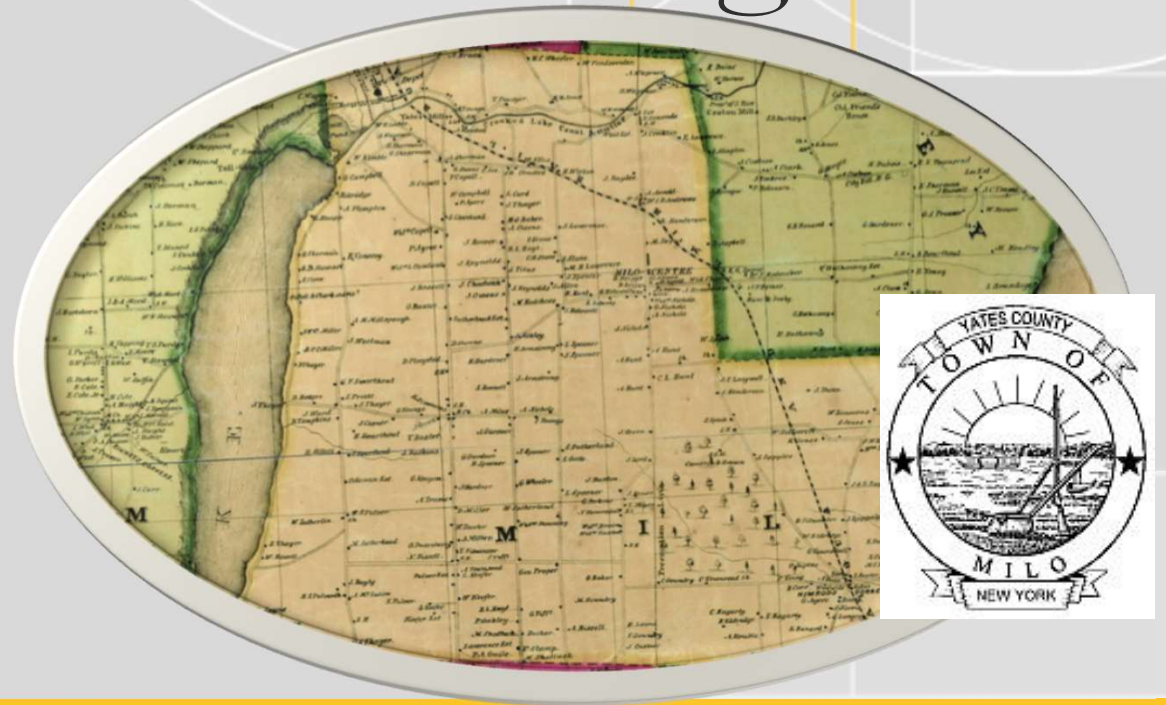


East Lake Road Public Water & Sewer Informational Meeting

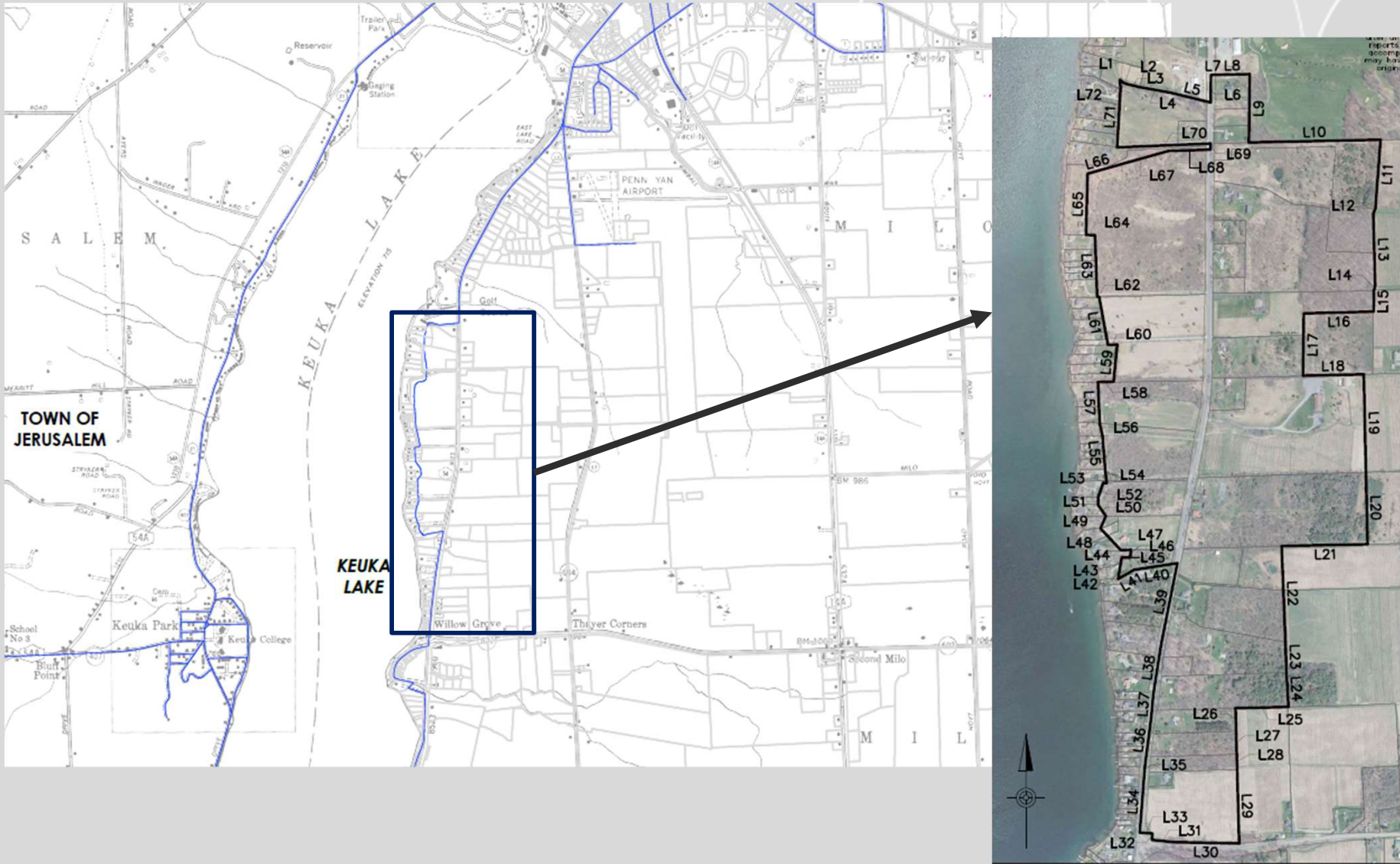


August 29, 2022



Town of Milo

Project Area



Town of Milo

District Definition

A water or sewer district is a special use district required by Town Law where a specific area of the Town receives a specific benefit. The cost for receiving this benefit is borne solely on the property owners in that specific area.



Key Terminology

- Capital Costs
 - Public versus Private
- Operation & Maintenance Costs
 - Utilities, Labor, Testing, etc....
- Estimated Annual Costs
 - Equivalent Dwelling Unit (EDU)



Town of Milo

Introduction

- Low Pressure Grinder Pump System



Sewer District No. 4

Capital Costs – Private Side

- Sewer Service
 - \$15 to \$25 per linear foot
 - Septic Tank Abandonment: \$500
 - Grinder Pump Station: \$3,000 to \$5,000
- Town of Milo
 - 1 ¼ Service Tap and inspection: \$1,650.00



Sewer District No. 4

Capital Costs – Public Side

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
1	Furnish and Install 3" Diameter Force Main	LF	7,100	\$ 40.00	\$ 284,000.00
2	Furnish and Install Lateral	EA	0	\$ 2,000.00	\$ -
3	Connection to Existing Force Main	EA	1	\$ 8,000.00	\$ 8,000.00
4	Rock Excavation	CY	10	\$ 75.00	\$ 750.00
5	Maintenance & Protection of Traffic Including Signs	LS	1	\$ 11,700.00	\$ 11,700.00
6	Mobilization	LS	1	\$ 8,800.00	\$ 8,800.00

SUBTOTAL = \$ 313,250.00
 CONTINGENCY (20%) = \$ 62,650.00
 LEGAL, ENGINEERING, & ADMINISTRATION (25%) = \$ 78,312.50
TOTAL (ROUNDED) = \$ 460,000.00



Sewer District No. 4

Sewer Usage Costs

- Sewer Rate
 - \$157 per Quarter per EDU
- Annual Sewer Cost
 - \$628 per year



Sewer District No. 4

Equivalent Dwelling Unit

- Single Family Home = 1 EDU
- Multiple Family Home = 1 EDU + 0.5 EDU for Each Additional Family
 - Two Family Home = 1.5 EDU
 - Three Family Home = 2 EDU
- Mobile Home = 0.5 EDU
- Developable Lot = 0.5 EDU



Total Annual Costs

	USDA-RD Loan	USDA-RD Loan & Grant
TOTAL ESTIMATED CAPITAL COST =	\$ 460,000	\$ 460,000
GRANT =	\$ -	\$ 288,000
LOCAL SHARE =	\$ 460,000	\$ 172,000
LOAN TERM =	38	38
LOAN RATE =	2.25%	2.25%
ANNUAL DEBT SERVICE =	\$ 18,136.66	\$ 6,781.53
SINGLE FAMILY UNITS =	11	11
DOUBLE FAMILY UNITS =	4.5	4.5
3 FAMILY UNITS =	2	2
WINERY UNITS =	3	3
VACANT UNITS =	4.5	4.5
TOTAL NUMBER OF UNITS =	25	25
ANNUAL DEBT SERVICE PER UNIT =	\$ 725.47	\$ 271.26
ANNUAL SEWER COST =	\$ 628.00	\$ 628.00
TOTAL ANNUAL UNIT COST =	\$ 1,353.47	\$ 899.26



Sewer District No. 4

Introduction

- Existing System
- Source of Supply



Water District No. 4

Capital Costs – Private Side

- Water Service
 - \$15 to \$25 per linear foot
 - Internal Plumbing Changes
 - Well Abandonment
- Town of Milo
 - $\frac{3}{4}$ " Service Tap, Meter, and inspection: \$1,575
 - 1" Service Tap, Meter, and inspection: \$1,950
 - 2" Service Tap, Meter, and inspection: \$3,200
- Backflow Prevention



Capital Costs – Public Side

- Option No. 1 – Water Main including Services

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
1	Furnish and Install 8" Diameter Water Main	LF	4,600	\$ 70.00	\$ 322,000.00
2	Furnish and Install 8" In-Line Gate Valves Complete	EA	4	\$ 3,000.00	\$ 12,000.00
3	Furnish and Install Short Side Water Service	EA	0	\$ 1,000.00	\$ -
4	Furnish and Install Long Side Water Service	EA	0	\$ 2,000.00	\$ -
5	Furnish and Install Hydrant Assemblies	EA	7	\$ 8,000.00	\$ 56,000.00
6	Rock Excavation	CY	10	\$ 75.00	\$ 750.00
7	Maintenance & Protection of Traffic Including Signs	LS	1	\$ 11,700.00	\$ 11,700.00
8	Mobilization	LS	1	\$ 11,800.00	\$ 11,800.00

SUBTOTAL = \$	414,250.00
CONTINGENCY (20%) = \$	82,850.00
LEGAL, ENGINEERING, & ADMINISTRATION (25%) = \$	103,562.50
TOTAL (ROUNDED) = \$	610,000.00



Water District No. 4

Water Usage Costs

- Average Single-Family House
 - 60,000 gallons per year
- Water Rate
 - \$75 per Quarter for 1st 12,000 gallons
 - \$5.50 per 1,000 gallons after 1st 12,000 gallons
- Annual Water Cost
 - \$366 per year



Total Annual Costs

	USDA-RD Loan	USDA-RD Loan & Grant
TOTAL ESTIMATED CAPITAL COST =	\$ 610,000	\$ 610,000
GRANT =	\$ -	\$ 240,000
LOCAL SHARE =	\$ 610,000	\$ 370,000
LOAN TERM =	38	38
LOAN RATE =	2.25%	2.25%
ANNUAL DEBT SERVICE =	\$ 24,050.79	\$ 14,588.18
SINGLE FAMILY UNITS =	11	11
DOUBLE FAMILY UNITS =	4.5	4.5
3 FAMILY UNITS =	2	2
WINERY UNITS =	3	3
VACANT UNITS =	4.5	4.5
TOTAL NUMBER OF UNITS =	25	25
ANNUAL DEBT SERVICE PER UNIT =	\$ 962.03	\$ 583.53
ANNUAL WATER COST =	\$ 366.00	\$ 366.00
TOTAL ANNUAL UNIT COST =	\$ 1,328.03	\$ 949.53



Water District No. 4

Next Steps

- Legal Petition
- District Formation
- Environmental Review
- USDA-RD Funding Application





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Town of Milo