Engineer's MAP, PLAN, AND REPORT

TOWN OF LENOX

WATER DISTRICT #14 WATERLINE EXTENSION

Prepared for:
Town of Lenox
205 South Peterboro Street
Canastota, New York 13032
(Project No. 463.008)

September 26, 2022 Revised October 18, 2022



Dunn & Sgromo Engineers, pllc syracuse • newburgh

Principal Office:

5800 Heritage Landing Drive East Syracuse, New York 13057

Telephone: (315) 449-4940 Facsimile: (315) 449-4941

Email: info@dunnandsgromo.com





TABLE OF CONTENTS

1.	INTRODUCTION1
2.	LOCATION1
3.	EXISTING CONDITIONS
4.	PROJECT DESCRIPTION2
5.	PROJECT COSTS AND FINANCING
7.	CONCLUSION6
	LIST OF APPENDICES
A.	Location Plan
B.	Aerial Photo/District Map
C.	Soil Map
D.	NYSDEC Environmental Map
E.	Preliminary Project Budget and Cost Breakdown
F.	Participating Properties
G.	Resident Surveys
H.	Short Form EAF
I.	NYSOPRHP Letter
J.	District Formation Documents (future)
<i>K</i> .	Madison County Health Department Letter

1. INTRODUCTION

This report will locate, describe, and address the feasibility of the project.

2. LOCATION

The Town of Lenox Water District #14 Waterline Extension (WD #14) is located in the Town of Lenox, in Madison County, along North Main Street and Colton Road north and east of the Village of Canastota, and south of New York State Route 31. The district includes 36 properties on both sides of the roads (APPENDIX A).

3. EXISTING CONDITIONS

The proposed service area consists of low to moderate density single-family residential development along the road corridors, with outlying "rear yard" areas of woodland, meadow cultivated fields, and wetlands (APPENDIX B). Soil conditions are sandy/silt loams with shallow groundwater and shallow bedrock (APPENDIX C).

The dwellings in the project area presently obtain water from individual wells, and many are currently experiencing varying degrees of unsatisfactory water quality, quantity, and maintenance costs relating to water supply. Resident surveys (APPENDIX G) have indicated some of these poor conditions. The Madison County Health Department has sampled 8 wells in the area, with 7 testing positive for total coliform (APPENDIX K).

An existing waterline is located on Pine Ridge Road. These water facilities are owned by the Town of Lenox, and are operated and maintained by contract by the Onondaga County Water Authority (OCWA).

According to local Town of Lenox Census data, the population of the area has decreased by approximately 4% from 2010 (9,122) to 2020 (8,768).

According to the New York State Department of Environmental Conservation (NYSDEC) Environmental Mapper, there are potential United States Army Corp of Engineers (USACE) wetlands adjacent to the highway right-of-ways, and intermittent streams, which cross the roads where the proposed waterline will be installed. It is anticipated

that construction will not interfere with these features, as all work will be within the highway right-of-way. The potential for high groundwater and saturated soil conditions, adjacent to these wetlands and streams, may impact construction.

There are no other known significant environmental conditions that would impact construction of the proposed water system, nor are any significant environmental impacts anticipated as a result of the project.

The New York State Office of Parks, Recreation, and Historic Preservation (NYSOPRHP) has determined that the project will have no impact to historical or archeological resources (APPENDIX I).

Currently, there are approximately 20 potential water consuming properties that will utilize the new waterline. At an average usage rate of 250 gpd/property, these users can be expected to use approximately 5,000 gallons per day at a peak hourly rate of 20 gallons per minute, and a maximum daily rate of 7,500 gallons per day.

Additional development will be likely along the waterline when public water becomes available. In accordance with Town of Lenox zoning with a minimum of 200 feet of frontage for the area, approximately 25 to 30 new homes/businesses could be constructed along the approximately 6,000 feet of vacant road frontage not in a Conservation Easement. At 250 gpd/property, this could result in future total water usage of 7,500 gallons per day, with peak hour rates of 25 gallons per minute, and a maximum daily usage of 10,000 gallons per day.

4. PROJECT DESCRIPTION

The WD #14 includes all of the 36 properties along North Main Street and Colton Road, presently without access to public water (APPENDIX B). The project area will be supplied public water from the Onondaga County Water Authority (OCWA) by approximately 7,700 l.f. of 8-inch water main with 17 hydrants to be installed in the road right-of-ways. The proposed water distribution system will be connected to the existing water main on North Main Street. Three-quarter (¾)-inch water services to the right-of-way line will be provided for each property, at locations determined by each

property owner. It will be the responsibility of each property owner to then extend the water service installed by this project at the right-of-way through their property to and into the water using structure. The property owner will also be required to purchase a water meter from OCWA.

The project will provide the opportunity to eliminate up to 20 private wells, many of which have quality and quantity issues. The project is supported by the Madison County Health Department (APPENDIX K).

All public water facilities will be designed, and constructed by the Town of Lenox in accordance with Ten State Standards, and state and local health department regulations. Private hookups to the system will be in accordance with state and local health department regulations and plumbing codes. Upon successful completion, the Town of Lenox will continue to own the water system, including all hydrants, however, OCWA will operate and maintain the system under a Lease Agreement with the Town.

Implementation of a project schedule first depends on the procurements of sufficient grants and financing terms to meet the project conditions.

The following are time estimates for project execution:

Surveying/final design
 Permitting/approvals
 Bidding
 Construction
 G months
 2 months
 15 months

5. PROJECT COSTS and FINANCING

The project will be implemented by the Town of Lenox under Town Law Article 12, provided a sufficient number of signatures are provided on a legal petition.

The district would be formed with the condition that the project would only be implemented if costs to the typical property owner do not exceed the 2022 New York State Comptroller's limit of \$989 per year.

The Town of Lenox will be applying for grants totaling at least 76% of the project costs, which total approximately \$1.1 million from New York State Environmental Facilities Corporation (NYS EFC) and other sources, and a financing commitment from USDA-RD for the design, construction, and administrative costs associated with formation of the water district (APPENDIX E).

Participants in the project will be assessed annually, by the Town, a proportionate share of the above cost, based on the number of units assigned to the property. Units are determined as follows:

Single-family home - 1 unit
Vacant building lot/agricultural land - .5 unit
Wetland Conservancy/Conservation Easement - 0 unit
Church - .75 units
Garage/barn - .75 units

Using the above criteria, there are currently 24.25 units in WD #14 (APPENDIX F).

The project will also be charged an annual hydrant maintenance fee of approximately \$1,400 per year, and a water use levy of approximately \$200 per year by OCWA. Both fees are subject to annual adjustments. The water use levy is assessed on an ad-valorem basis to all properties in the district (APPENDIX E). All other O&M costs are recovered by OCWA through customer water usage fees.

Surveys were distributed to all property owners (APPENDIX G). A total of 6 surveys were returned indicating support for the project provided costs were limited.

The project will comply with EFC's and USDA Rural Development requirements for use of American Iron and Steel, and MBE/WBE participation.

Annual unit costs will be reduced if more development occurs in the project area. After loan retirement, the annual costs will consist only of the ad-valorem charges.

Individual water users will also pay quarterly water consumption fees to OCWA (totaling approximately \$350 per year per typical single-family home in 2022), a one-time water meter and service connection charge to OCWA, and a one-time private

hook-up charge to an approved plumber. Operation and maintenance costs for the proposed system area will be absorbed by OCWA, and financed by the water consumption fees collected from OCWA's 70,000 plus customers (including this project).

With 76% from grants, 38-year financing at 4%, and 24.25 units, the \$988 per year cost to a typical single-family homeowner is projected to be as follows (APPENDIX E):

- Debt reduction \$578 (for 38 years)
- Hydrant rental and MWB fees \$ 60 per year
- Water usage (OCWA) \$350 per year (average) (depends on actual usage) (fee includes O&M) \$250 per year (average) (depends on actual usage) (2022 Schedule 2A rates at 250 gpd with a 34-inch meter)
- Hook-up + water meter costs \$2,000 (average)
 (one-time charge varies depending on site conditions)

The proposed service area currently has no debt, no water use costs, and no O&M costs. There will be no short-lived assets associated with this project.

6. ALTERNATIVES

Since there are no other public water systems in the near vicinity of the proposed service area (the City of Oneida system is more than 5 miles east), connecting to the OCWA system, which is at the district boundary, is the only reasonable and cost effective choice. Development of an independent water supply and distribution system for the proposed district would be cost prohibitive to the Town of Lenox for both construction (estimated to be in excess of \$5 million for distribution supply, and treatment), and operation and maintenance (estimated to be in excess of \$250,000 per year).

The No Action Alternative would continue to limit growth and suppress property values that would result from continued dependence on unreliable well sources for the district's residents, with no fire protection.

Expanding the service area by further extending the waterline is not cost effective due to low development density.

7. CONCLUSION

Implementation of the Town of Lenox Water District #14 Waterline Extension will provide properties along North Main Street and Colton Road with access to a reliable supply of potable water, and fire service at a reasonable and affordable annual cost.

The project will encourage new development, increase property values, reduce fire insurance rates, and provide tax base expansion for the Town of Lenox, while eliminating individual wells having health risks from contaminated drinking water.

RESPECTFULLY SUBMITTED, DUNN & SGROMO ENGINEERS

hn C. Dunkle, P.E.

JCD/lb

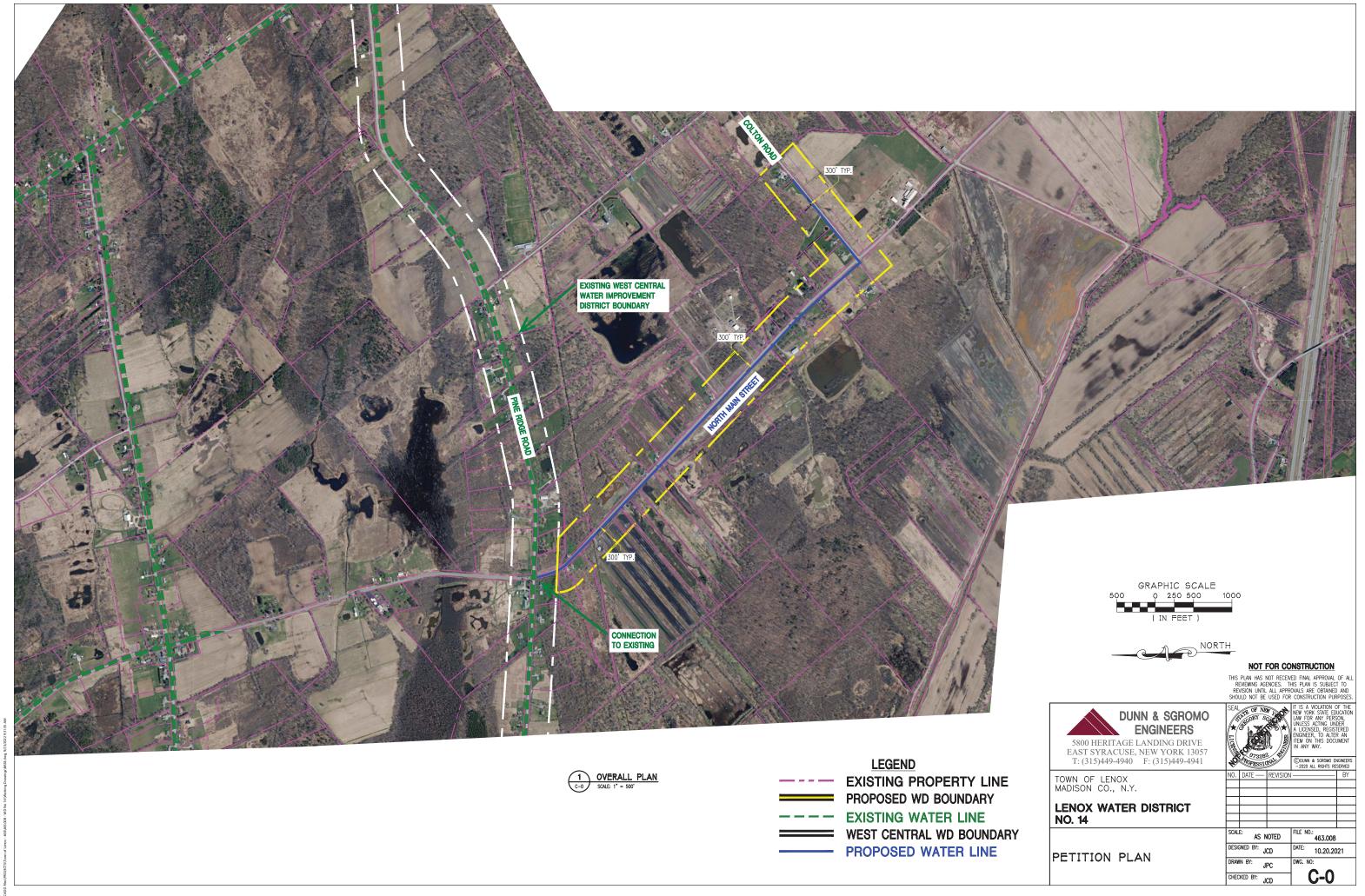
APPENDIX A

Location Plan

Path: C:\Users\comp24\Documents\ArcGIS\Web Maps\USA Topo Maps23\USA Topo Maps.mxd Date Saved: 9/13/2022 9:10:29 AM

APPENDIX B

Aerial Photo/ District Map



APPENDIX C

Soil Map

Map Scale: 1:9,970 if printed on A landscape (11" x 8.5") sheet.

0 100 200 400 600

Feet
0 450 900 1800 2700

Map projection: Web Mercator Corner coordinates: WGS84

USDA Natural Resources
Conservation Service

MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



Soil Map Unit Points

Special Point Features

Blowout

 \boxtimes Borrow Pit

36 Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

â Stony Spot

00 Very Stony Spot

Spoil Area

Wet Spot Other

Special Line Features

Water Features

Δ

Streams and Canals

Transportation

Rails ---

Interstate Highways

US Routes

Major Roads

Local Roads

Background

Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:15.800.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Madison County, New York Survey Area Data: Version 20, Aug 29, 2021

Soil map units are labeled (as space allows) for map scales 1:50.000 or larger.

Date(s) aerial images were photographed: Jul 19, 2020—Nov 5, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
AoA	Appleton loam, 0 to 3 percent slopes	8.1	13.2%
Cd	Canandaigua silt loam	6.8	11.0%
Fo	Fonda mucky silt loam	24.7	40.1%
LaB	Lairdsville silt loam, 3 to 8 percent slopes	10.0	16.2%
Lk	Lakemont silt loam, 0 to 3 percent slopes	0.8	1.3%
LvB	Lockport silt loam, 3 to 8 percent slopes	1.5	2.4%
Od	Odessa silt loam, 0 to 3 percent slopes	0.6	1.1%
Pb	Palms muck	3.0	4.9%
Ww	Willette muck	6.0	9.8%
Totals for Area of Interest		61.6	100.0%

APPENDIX D

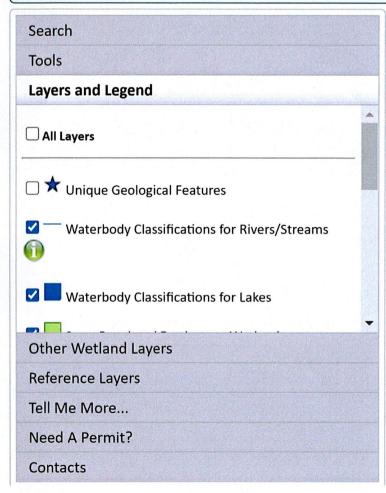
NYSDEC

Environmental Map



Environmental Resource Mapper

Base Map: Topographical V Using this map





APPENDIX E

Preliminary Project Budget and Cost Breakdown

Preliminary Budget Proposed Town of Lenox WATER DISTRICT #14

October 18, 2022

I.	Construction Costs: Colton Road	1,700 feet of 8" water main & appurtenances	(3.5 units)		
	North Main Street	6,000 feet of 8" water main & appurtenances 7,700 feet of 8" water line x \$95/foot	(20.75 units) (24.25 units)	= \$	731,500
	10441	water line x \$55/100t	(approximate)		6735,000)
II.	Contingency (15%)			=\$	110,000
III.	Soft Costs (25%)			= \$_	185,000
IV.	Total Project Cost			Use	\$1.1 million
V.	Water District Unit Cos 1. OCWA Hydrant Mai: (subject to change by	ntenance Fee - 17 hydrants @ \$80 each		=\$	1,400/year
	2. OCWA Water Use Lo (approximately \$2.0 in	evy0001 x total district assessment million)		= \$	200/year
	3. Project Cost Financin a. \$1.1 million at 4%	-		= \$	56,760
	4. Total Annual Distric	et Cost		= \$	58,360
	5. Units			=	24.25 (approximate)
	6. Approximate Annual (debt service plus lev			= \$	2,407
	7. Cost for typical annua	al water use for typical single-family home		= \$ _	350
	8. Total annual cost to (unit cost plus water	V 2		= \$	2,757
VI.	2022 Comptroller's Lin (annual debt service,	nit for Typical Property and O&M unit cost plus annual water use)		= \$	989
VII.	Grant Amount Needed	to Meet Comptroller's Limit for Typical Pr	operty	= \$ 8	835,000 (76%)
VIII.	Maximum debt service, comptroller's limit	and levy and hydrant rental unit cost to me	eet	= \$	638
IX.	Cost to a typical proper	ty owner (with 75% grant) plus water use		=\$	988
	b. Individual Private Wa	e = \$170 or \$180 (one-time charge) (subject to ater Service and Plumbing = varies estimated for the year 2023.	change by OCV	WA)	

APPENDIX F

Participating
Properties

North Main Street

October 17, 2022

Tax Map Parcel	Owner's Name	Property Address	Type of Improvements	Number of Units Assigned
272-24	Rounds, Timothy	North Main Street	Vacant	.5
272-25	Salay, John & Marlene	8341 North Main Street	Single-family home	1
272-48	Beninati, Frank	8311 North Main Street	Barn/garage	.75
272-49	Hofsdal, Gilbert	North Main Street	Vacant	.5
272-50	Shaver, Kathryn	8283 North Main Street	Single-family home	1
272-51	Picciano, Paul J	North Main Street	Vacant	.5
272-52	Galavotti, Antonio	8247 North Main Street	Conservation Easement	0
272-53	Galavotti, Antonio	8243 North Main Street	Single-family home	1
272-55	Galavotti, Antonio	North Main Street	Conservation Easement	0
272-56	Rapasadi, Micheal	8151 North Main Street	Vacant	.5
272-57.1	Rashford, Jacob & Jamie	8087 North Main Street	Single-family home	1
272-57.2	Galavotti, Antonio	North Main Street	Barn/Garage	.75
272-57.3	Galavotti, Antonio	North Main Street	Vacant	.5
272-58.1	Smith, Elizabeth	8067 North Main Street	Single-family home	1
272-58.2	Sgarlata, An C	North Main Street	Vacant	.5
272-59.15	Hughto, Darryl & Roth, Susan	North Main Street	Vacant	.5
272-59.16	Grace Bible Flshp of Oneida Lake	North Main Street	Church	.75
272-59.18	Cesario, Salvador	8025 North Main Street	Single-family home	1
272-59.1	DeMario, Louis & Eileen/Venditti, Jamie	7984 North Main Street	Agricultural Land	.5
273-2	Vanvalkenburgh, Kenneth & Nora	8332 North Main Street	Single-family home	1
273-7	Great Swamp Conservancy	North Main Street	Vacant	0
273-8	Cornish, William & Joyce	8256 North Main Street	Single-family home	1
273-9	Hunt, Cheryl A	8238 North Main Street	Single-family home	1
273-10	Great Swamp Conservancy Inc.	North Main Street Road	Conservation Easement	0
273-11	Great Swamp Conservancy Inc.	North Main Street	Conservation Easement	0
273-12	Great Swamp Conservancy Inc.	North Main Street	Conservation Easement	0
273-13	Halladay, Virginia & Morris	8176 North Main Street	Single-family home	1
273-15	Rapasadi, Michael	8130 North Main Street	Vacant	.5
273-16	McCarthy, Thomas & Dawn	8122 North Main Street	Single-family home	1
273-17	Harrington, Cory	8106 North Main Street	Single-family home	1
273-18	Poppleton, Neil	8096 North Main Street	Single-family home	1
273-19	Hughto, Darryl & Roth, Susan	8076 North Main Street	Single-family home	1
	Total No. of Parcels	32	Total No. of Units	20.75

Colton Road

September 23, 2022

272-59.11	Delaney, Michael & Vickie	3209 Colton Road	Single-family home	1
272-59.12	Pynn, Janet	3463 Colton Road	Single-family home	1
272-59.13	Oconnell, Mark & Ehlers, Debra	3423 Colton Road	Single-family home	1
272-59.14	Pynn, Janet	Colton Road	Vacant	.5
	Total No. of Parcels	4	Total No. of Units	3.5

APPENDIX G

Resident Surveys

SUPERVISOR: JOSEPH "JOHN" PINARD

OFFICE OF THE SUPERVISOR TOWN OF LENOX

MADISON COUNTY 205 S. PETERBORO ST CANASTOTA, N.Y. 13032 (315) 697-9291 FAX (315) 697-5514



August 24th, 2022

Dear Resident/Property Owner:

On the reverse side of this letter is a survey that the Town needs filled out and brought to the informational meeting on August 31st, 2022. This Survey will assist in acquiring a lower interest rate for the bonding of the project.

Thank you for you cooperation,

Joseph J. Pinard

215_607_0201

Survey of Interest for Public Water in the Town of Lenox

Please complete only <u>one</u> survey for each property you own.

<u>All information provided on this form will remain confidential.</u>

Tax ID #:	7-3-13	Address of	Property: 8176 A	1 main st	
Type of pro	perty: Residential X	Agricultural	Vacant	Other	
Do you live	on the property? Xes	NTo.	How many people li	ve there?	
How many	years have you owned/lived	at the above add	ress?	103.	
What is the	depth of your well? Abou	t 6++ w	Then was it installed	1980	
What kind o	of water treatment, like a so	tener, do you us	Non	2	
How would	you describe the quality of	your water?	OK		
Has your w	ell ever run dry?Yes	X If s	so, how often?		
Has your w	ater ever been sampled?	X Yes No	If so, were there any	unsatisfactory results	
(like high n	ninerals or bacteria)?				
Are you in	favor of getting public wate	r? <u>X</u> Yes	No If yes, please	circle the maximum	
amount yo	ou would be willing to pan	ay for using n	iblic water and for	paying the cost of	
debt.	\$0/month, \$25/month) \$50/month, \$	75/month, \$100/m	onth	
If no, pleas	e let us know why:				
What was	the total household income	you reported to t	he IRS for 2021	Not working.	then
We are as money an anonymou	king this question becaus d lower interest rates for is, and will not be shared p	e it may help th a public water ublicly.	he Town to qualify project. This info	for additional Grant ormation will remain	
Would yo	u be willing to allow the	Madison County	Health Departmen	t to sample your well	
water?	If yes, how can yo	u be reached?	3)5-(97	-2617	
Yes	No It is be	eing the	uced 8/29	laa .	
(Доситен	ntation of poor water qual ter project.)	ity can help the	Town qualify for	better financing for a	
	nything else you would lik		about your water s	supply or your opinion	

Survey of Interest for Public Water in the Town of Lenox

Please complete only <u>one</u> survey for each property you own.

<u>All information provided on this form will remain confidential.</u>

Tax ID #: Address of Property 256 D. May 17 Canal
Type of property: Residential Agricultural Vacant Other
Do you live on the property? How many people live there? No
How many years have you owned/lived at the above address?
What is the depth of your well? //O ft When was it installed? / 9 8 /
What kind of water treatment, like a softener, do you use? ? ? ?
How would you describe the quality of your water? Fa, R (Hard)
Has your well ever run dry? Yes No If so, how often?
Has your water ever been sampled? If so, were there any unsatisfactory results No
(like high minerals or bacteria)?
Are you in favor of getting public water? U If yes, please circle the maximum Yes No
amount you would be willing to pay for using public water and for paying the cost of construction
debt. \$0/month, \$25/month, \$50/month, \$75/month, \$100/month
If no, please let us know why:
What was the total household income you reported to the IRS for 2021
We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly.
Would you be willing to allow the Madison County Health Department to sample your well
water? If yes, how can you be reached? 3/5 76/6783 Yes No
(Documentation of poor water quality can help the Town qualify for better financing for a public water project.)
Is there anything else you would like to let us know about your water supply or your opinion

SUPERVISOR:
JOSEPH "JOHN" PINARD

OFFICE OF THE SUPERVISOR TOWN OF LENOX

MADISON COUNTY 205 S. PETERBORO ST CANASTOTA, N.Y. 13032 (315) 697-9291 FAX (315) 697-5514



August 24th, 2022

Dear Resident/Property Owner:

On the reverse side of this letter is a survey that the Town needs filled out and brought to the informational meeting on August 31st, 2022. This Survey will assist in acquiring a lower interest rate for the bonding of the project.

Thank you for you cooperation,

Joseph J. Pinard

15-697-9291

O

Survey of Interest for Public Water in the Town of Lenox

Please complete only <u>one</u> survey for each property you own.

All information provided on this form will remain confidential.

Tax ID #:	Address of Pro	perty: <u> </u>	22 N Main St
Type of property: Residential	Agricultural	Vacant	Other
Do you live on the property?Yes	No Ho	w many people li	ve there?2
How many years have you owned/live			
What is the depth of your well?	35 When	n was it installed?	Unknown
What kind of water treatment, like a so	oftener, do you use?	None	
How would you describe the quality o	f your water? <u>(٦</u> ٥	od in	
Has your well ever run dry? Yes	If so, l No	now often? 🔀 😢	egularly
Has your water ever been sampled?		o, were there any	
(like high minerals or bacteria)? _ ka			37.5
Are you in favor of getting public wat			
amount you would be willing to property construction	oay for using public	water and for	paying the cost of
debt. \$0/month, \$25/mont	h, \$50/month, \$ 75/1	month, \$100/mo	nth
If no, please let us know why: \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	me based on	income !	frein buginess
What was the total household income	you reported to the I	RS for 2021 _	
We are asking this question because money and lower interest rates for anonymous, and will not be shared p	a public water pro		
Would you be willing to allow the	Madison County He	alth Department	to sample your well
water?			. A .A .
If yes, how can yo	ou be reached? <u>Mun</u>	iday or Time	sday AM only
Yes No			
(Documentation of poor water quapublic water project.)	lity can help the To	wn qualify for b	etter financing for a
Is there anything else you would like about getting public water?			
		•	

SUPERVISOR: JOSEPH "JOHN" PINARD

OFFICE OF THE SUPERVISOR TOWN OF LENOX

MADISON COUNTY 205 S. Peterboro St Canastota, N.Y. 13032 (315) 697-9291 Fax (315) 697-5514



August 24th, 2022

Dear Resident/Property Owner:

On the reverse side of this letter is a survey that the Town needs filled out and brought to the informational meeting on August 31st, 2022. This Survey will assist in acquiring a lower interest rate for the bonding of the project.

Thank you for you cooperation,

Joseph J. Pinard

315-697-9291

Survey of Interest for Public Water in the Town of Lenox

Please complete only <u>one</u> survey for each property you own. *All information provided on this form will remain confidential.*

Tax ID #: 272-59, 12 Address of Property: 3463 Colton Rd
Type of property: Residential Agricultural Vacant Other
Do you live on the property? ————————————————————————————————————
How many years have you owned/lived at the above address?
What is the depth of your well? 4060 When was it installed? 1991
What kind of water treatment, like a softener, do you use?
How would you describe the quality of your water?
Has your well ever run dry? Yes No How would you describe the quality of your water? Dit do landry Yes No
Has your water ever been sampled? If so, were there any unsatisfactory results
(like high minerals or bacteria)?
Are you in favor of getting public water? If yes, please circle the maximum (Yes) No
amount you would be willing to pay for using public water and for paying the cost of construction
debt. \$0/month, \$25/month, \$50/month, \$75/month \$100/month
If no, please let us know why:
What was the total household income you reported to the IRS for 2021 41,000
What was the total household income you reported to the IRS for 2021 41000 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain
What was the total household income you reported to the IRS for 2021 41,000 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly.
What was the total household income you reported to the IRS for 2021 41,000 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water? If yes, how can you be reached? 315-952-3909 Yes No
What was the total household income you reported to the IRS for 2021 41,000 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water? If yes, how can you be reached? 315-952-3909
What was the total household income you reported to the IRS for 2021 41 000 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water? If yes, how can you be reached? 315-952-397 Yes No (Documentation of poor water quality can help the Town qualify for better financing for a
What was the total household income you reported to the IRS for 2021 41 000 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water? If yes, how can you be reached? 35-952-897 Yes No (Documentation of poor water quality can help the Town qualify for better financing for a public water project.)

SUPERVISOR: JOSEPH "JOHN" PINARD

OFFICE OF THE SUPERVISOR TOWN OF LENOX

MADISON COUNTY 205 S. PETERBORO ST CANASTOTA, N.Y. 13032 (315) 697-9291 FAX (315) 697-5514



August 24th, 2022

Dear Resident/Property Owner:

On the reverse side of this letter is a survey that the Town needs filled out and brought to the informational meeting on August 31st, 2022. This Survey will assist in acquiring a lower interest rate for the bonding of the project.

Thank you for you cooperation,

Joseph J. Pinard

315-697-9291

Survey of Interest for Public Water in the Town of Lenox

Please complete only <u>one</u> survey for each property you own.

<u>All information provided on this form will remain confidential.</u>

Tax ID #: 27,-2-59. 13 Address of Property: 3423 Colton Rd
Type of property: Residential Agricultural Vacant Other
Do you live on the property? Yes No How many people live there?
How many years have you owned/lived at the above address? 26 75
What is the depth of your well? 45 When was it installed? 1992-1993
What kind of water treatment, like a softener, do you use?
How would you describe the quality of your water? Smelk + looks great
Has your well ever run dry? If so, how often?
Yes No Has your water ever been sampled? If so, were there any unsatisfactory results
(like high minerals or bacteria)? Lan bacteria
Are you in favor of getting public water? Yes If yes, please circle the maximum Yes
amount you would be willing to pay for using public water and for paying the cost of construction
debt. \$0/month \$25/month, \$50/month, \$75/month, \$100/month
If no, please let us know why:
What was the total household income you reported to the IRS for 2021 43,000
We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly.
Would you be willing to allow the Madison County Health Department to sample your well
water?
If yes, how can you be reached? They tested \$\(\frac{1}{30} \)
Yes No
(Documentation of poor water quality can help the Town qualify for better financing for a public water project.)
Is there anything else you would like to let us know about your water supply or your opinion about getting public water?

SUPERVISOR: JOSEPH "JOHN" PINARD

OFFICE OF THE SUPERVISOR TOWN OF LENOX

MADISON COUNTY 205 S. Peterboro St Canastota, N.Y. 13032 (315) 697-9291 Fax (315) 697-5514



August 24th, 2022

Dear Resident/Property Owner:

On the reverse side of this letter is a survey that the Town needs filled out and brought to the informational meeting on August 31st, 2022. This Survey will assist in acquiring a lower interest rate for the bonding of the project.

Thank you for you cooperation,

Joseph J. Pinard

315-697-9291

Survey of Interest for Public Water in the Town of Lenox

Please complete only <u>one</u> survey for each property you own. *All information provided on this form will remain confidential.*

Tax ID#: 072-25 Address of Property: 8341 N. Majn ST Canast
Type of property: Residential X Agricultural Vacant Other
Do you live on the property? How many people live there? No
How many years have you owned/lived at the above address? 22
What is the depth of your well? 25 + T When was it installed?
What kind of water treatment, like a softener, do you use?
How would you describe the quality of your water? Bad
Has your well ever run dry? Yes No If so, how often? 2 w Year.
Has your water ever been sampled? If so, were there any unsatisfactory results Yes No
(like high minerals or bacteria)?
Are you in favor of getting public water? Yes No
amount you would be willing to pay for using public water and for paying the cost of construction
debt. \$0/month, \$25/month, \$50/month, \$75/month, \$100/month
debt. \$0/month, \$25/month. \$50/month, \$75/month, \$100/month If no, please let us know why:
If no, please let us know why:
If no, please let us know why: What was the total household income you reported to the IRS for 202! We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain
What was the total household income you reported to the IRS for 2021 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water?
What was the total household income you reported to the IRS for 2021 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water? If yes, how can you be reached?
What was the total household income you reported to the IRS for 2021 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water?
What was the total household income you reported to the IRS for 2021 We are asking this question because it may help the Town to qualify for additional Grant money and lower interest rates for a public water project. This information will remain anonymous, and will not be shared publicly. Would you be willing to allow the Madison County Health Department to sample your well water? If yes, how can you be reached? Yes No (Documentation of poor water quality can help the Town qualify for better financing for a

SUPERVISOR: JOSEPH "JOHN" PINARD

OFFICE OF THE SUPERVISOR TOWN OF LENOX

MADISON COUNTY 205 S. PETERBORO ST CANASTOTA, N.Y. 13032 (315) 697-9291 Fax (315) 697-5514



August 24th, 2022

Dear Resident/Property Owner:

On the reverse side of this letter is a survey that the Town needs filled out and brought to the informational meeting on August 31st, 2022. This Survey will assist in acquiring a lower interest rate for the bonding of the project.

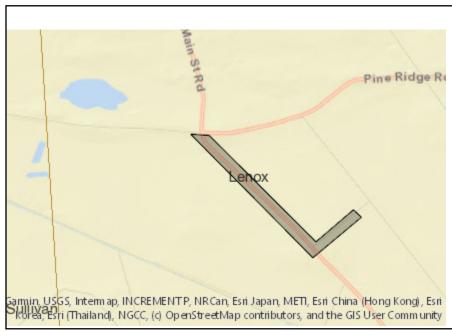
Thank you for you cooperation,

Joseph J. Pinard

215-697-9291

APPENDIX H

Short Form EAF



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.



Part 1 / Question 7 [Critical Environmental Area]	No
Part 1 / Question 12a [National or State Register of Historic Places or State Eligible Sites]	No
Part 1 / Question 12b [Archeological Sites]	Yes
Part 1 / Question 13a [Wetlands or Other Regulated Waterbodies]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
Part 1 / Question 15 [Threatened or Endangered Animal]	No
Part 1 / Question 16 [100 Year Flood Plain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
Part 1 / Question 20 [Remediation Site]	No

Short Environmental Assessment Form Part 1 - Project Information

Instructions for Completing

Part 1 – Project Information. The applicant or project sponsor is responsible for the completion of Part 1. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification. Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

D (4 D) (10 T 0 ()						
Part 1 – Project and Sponsor Information						
Name of Action or Project:						
Project Location (describe, and attach a location ma	<u>ap):</u>					
Brief Description of Proposed Action:						
Name of Applicant or Sponsor:			Telephone:			
			E-Mail:			
Address:						
City/PO:			State:	Zip C	Code:	
1. Does the proposed action only involve the legis administrative rule, or regulation?	slative adoption	of a plan, loca	l law, ordinance,		NO	YES
If Yes, attach a narrative description of the intent of may be affected in the municipality and proceed to				urces that		
2. Does the proposed action require a permit, appr If Yes, list agency(s) name and permit or approval:	roval or funding	from any othe	r government Age	ency?	NO	YES
a. Total acreage of the site of the proposed actionb. Total acreage to be physically disturbed?c. Total acreage (project site and any contiguous or controlled by the applicant or project specific project project project specific project project specific project project	us properties) ow	vned	acres acres			
4. Check all land uses that occur on, are adjoining	or near the prop	osed action:				
☐ Urban Rural (non-agriculture)	Industrial	Commercia	l Residentia	l (suburban)		
☐ Forest Agriculture Parkland	Aquatic	Other(Spec	ify):			

Page 1 of 3 SEAF 2019

5.	Is the proposed action,	NO	YES	N/A
	a. A permitted use under the zoning regulations?			
	b. Consistent with the adopted comprehensive plan?			
			NO	YES
6.	Is the proposed action consistent with the predominant character of the existing built or natural landscape?			
7.	Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area?		NO	YES
If Y	Yes, identify:			
			110	
8.	a. Will the proposed action result in a substantial increase in traffic above present levels?		NO	YES
	b. Are public transportation services available at or near the site of the proposed action?			
	c. Are any pedestrian accommodations or bicycle routes available on or near the site of the proposed action?			
9.	Does the proposed action meet or exceed the state energy code requirements?		NO	YES
If th	he proposed action will exceed requirements, describe design features and technologies:			
10.	Will the proposed action connect to an existing public/private water supply?		NO	YES
	If No, describe method for providing potable water:			
11.	Will the proposed action connect to existing wastewater utilities?		NO	YES
	If No, describe method for providing wastewater treatment:			
12.	a. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district	t	NO	YES
Cor	ich is listed on the National or State Register of Historic Places, or that has been determined by the mmissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the te Register of Historic Places?			
	b. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for haeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory?			
13.	a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?		NO	YES
	b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody?			
If Y	Yes, identify the wetland or waterbody and extent of alterations in square feet or acres:			

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:		
☐Shoreline ☐ Forest ☑ Agricultural/grasslands ☑ Early mid-successional		
☑ Wetland ☐ Urban ☐ Suburban		
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or		
Federal government as threatened or endangered?	V	
16. Is the project site located in the 100-year flood plan?	NO	YES
	\checkmark	
17. Will the proposed action create storm water discharge, either from point or non-point sources?	NO	YES
If Yes,	$\overline{\mathbf{V}}$	
a. Will storm water discharges flow to adjacent properties?		
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? If Yes, briefly describe:		
18. Does the proposed action include construction or other activities that would result in the impoundment of water	3.70	
or other liquids (e.g., retention pond, waste lagoon, dam)?	NO	YES
If Yes, explain the purpose and size of the impoundment:		
		Ш
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste	NO	YES
management facility? If Yes, describe:		
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or	NO	YES
completed) for hazardous waste? If Yes, describe:		
	✓	
I CERTIFY THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BE MY KNOWLEDGE	ST OF	_
Applicant/sponsor/name: John Dunkle, P.E. Date: 9/27/22		
John Dunkle, P.E. Signature: Title: Town Engineer		

APPENDIX I NYSOPRHP Letter



Parks, Recreation, and Historic Preservation

KATHY HOCHUL Governor ERIK KULLESEID Commissioner

September 01, 2022

John Dunkle Town Engineer Town of Lenox 5800 Heritage Landing Drive East Syracuse, NY 13057

Re: SEQRA

Town of Lenox WD # 14

22PR06357

Dear John Dunkle:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

R. Daniel Mackay

Deputy Commissioner for Historic Preservation

Division for Historic Preservation

APPENDIX J

District Formation

Documents

(future)

Legal Description

Proposed Town of Lenox WATER DISTRICT #14

September 26, 2022

Water District 14, in the Town of Lenox, encompasses portions of approximately 32 properties along North Main Street from Pine Ridge Road to Colton Road, and 4 properties on Colton Road. The width of the district is 600 feet centered on the highway, and is more specifically defined as:

Beginning at a point on tax parcel 27.-2-24, that is also the easterly boundary of the Town of Lenox Water District #12 on Pine Ridge Road, and is also 300 feet south of the centerline of North Main Street;

Thence, northeasterly in a line parallel to the centerline of North Main Street, an approximate distance of 6,000 feet, encompassing portions of the following tax parcels: 27.-2-24; 27.-2-25; 27.-2-48; 27.-2-49; 27.-2-50; 27.-2-51; 27.-2-52; 27.-2-53; 27.-2-56; 27.-2-57.3; 27.-2-57.2; 27.-2-57.1; 27.-2-58.1; 27.-2-58.2; 27.-2-59-18 to a point, that is 300 feet northeast of the projection of the centerline of Colton Road, on tax parcel 27.2-59.1;

Thence, northwesterly in a line parallel to the centerline of Colton Road, and its projection, encompassing a portion of tax parcel 27-.2-59.1, approximately 2,000 feet to a point;

Thence, southwesterly on the northwesterly property line at parcel 27-.2-59.1, and its projection 300 feet to a point in the centerline of Colton Road;

Thence, southwesterly across Colton Road to and along the northwesterly property line of tax parcel 27-.2-59.12 a distance of 300 feet to a point;

Thence, southeasterly in a line parallel to the centerline of Colton Road, a distance of approximately 1,100 feet, encompassing tax parcels 27.2-59.12, 27.2-59.14, 27.2-59.13, and 27.2-59.11 to a point that is 300 feet northwest of the centerline of North Main Street, on tax parcel 27.-2-59.11;

Thence, southwesterly in a line parallel to North Main Street, a distance of approximately 5,000 feet encompassing portion of tax parcels 27.-2-59.11; 27.-2-59.16; 27.-3-19; 27.-3-18; 27.-3-17; 27.-3-16; 27.-3-15; 27.-3-12; 27.-3-11; 27.-3-10; 27.3-9; 27.3-8; 27.-2-7; 27.-3-2 to a point on the easterly boundary of Water District #12 on Pine Ridge Road;

Thence, southerly along the easterly boundary of Water District #12 to the point of beginning.

Water District #14 includes all or portions of the following tax parcels: 27.-2-24; 27.-2-25; 27.-2-48; 27.-2-49; 27.-2-50; 27.-2-51; 27.-2-52; 27.-2-53; 27.-2-55; 27.-2-56; 27.-2-57.1; 27.-2-57.2; 27.-2-57.3; 27.-2-58.1; 27.-2-58.2; 27.-2-59.15; 27.-2-59.16; 27.-2-59.18; 27.-2-59.1; 27.-3-2; 27.-3-7; 27.-3-8; 27.-3-9; 27.-3-10; 27.-3-11; 27.-3-12; 27.-3-13; 27.-3-15; 27.-3-16; 27.-3-17, 27.-3-18; 27.-3-19; 27.-2-59.11; 27.-2-59.12; 27.-2-59.13; and 27.-2-59.14.

APPENDIX K

Madison County Health

Department Letter



Eric Faisst, Director of Public Health

Dr. John B. Endres, President of Board of Health

September 13, 2022

Mr. J. John Pinard, Town Supervisor Town of Lenox 205 S. Peterboro St. Canastota, New York 13032

Re: Proposed Water District #14, (T) Lenox – OCWA New York State PWS #3304336

North Main Street, Colton Road

Dear Mr. Pinard,

The intent of this correspondence is to express this Department's support for above proposed water district extension with water supplied by the Onondaga County Water Authority (OCWA). Extension of OCWA to the unserved areas will eliminate reliance on individual water systems presently serving residential properties that exhibit poor water quality characteristics, are known to be vulnerable to bacteriological contamination, and include shallow well systems subject to depletion due to drought.

This Department collected water samples from representative residences of the proposed Water District #14 and found seven of the eight samples collected tested positive for total coliform. The presence of total coliform is an indicator of the presence of potentially harmful bacteria and evidence that the source is subject to contamination that may cause illness. Per Part 75, Appendix 75-C Individual Onsite Water Supply Systems — Statewide Water Quality Standards as enacted by New York State (NYS), any positive result for coliform bacteria indicates said standards are not met. This sampling suggests that 87.5% of those onsite residential water systems tested within the proposed Water District #14 failed to meet the referenced water quality standard for bacteriological contaminants.

Part 5 of the NYS Sanitary Code enacted *Standards for Water Wells*, Appendix 5-B, and while the installation of the water systems serving the proposed Water District #14 properties were likely to have been completed prior to the adoption of such Standards, surveys of property owners indicated a majority of the well supply depths were unknown. Of those that were known, two had a depth of 20-25 feet and one was 6 foot in depth, making them susceptible to contamination from surface water influences. It can be assumed that properties with unknown well depths are also likely to take water from shallow depths similar to their neighboring wells. With regard to quality of water residents identified numerous issues. Most residents indicated that the water was hard and faucets were subject to corrosion due to calcium or lime scale buildup associated with hard water. Two residents indicated they do not drink the water as a result of previous positive sample results, one resident indicated the well water source has low yield issues. Three residents indicated that the water has a strong sulfur odor.



Attached with this support letter please find a spreadsheet intended to summarize the findings of this Health Department secured through our water sampling efforts.

This office again appreciates the opportunity to provide these comments in support of the Town's continued initiatives to expand public water service to residents of the Town of Lenox and in particular those residents located in the proposed Water District #14. We look forward to working with the Town and its design professional in the development of plans and funding applications necessary to move this project forward and commend you and the members of the Town Council for engaging in the extension of OCWA water service to provide a safe and reliable supply of drinking water to your residents.

Sincerely,

Aaron Lazzara

Director Environmental Health

Enc. WD #14 Residential Test Results Spreadsheet

Cc. John Dunkle, Dunn and Sgromo

Address	Total Coliform	E. coli
8341 N. Main St.	Positive	Negative
8087 N. Main St.	Positive	Negative
8176 N. Main St.	Positive	Negative
8243 N. Main St.	Positive	Negative
8106 N. Main St.	Positvie	Negative
3463 Colton Rd.	Positive	Negative
8256 N. Main St.	Negative	Negative
3423 Colton Rd.	Positive	Negative
8256 N. Main St.	Not sampled	Not sampled