Town of Caledonia

3109 Main Street
Caledonia, New York, 14423

PRELIMINARY ENGINEERING REPORT

for the

WATER DISTRICT NO. 4

Revised July 2024

MRB Group Project No. 0352.23001

Prepared by:

MRB group

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I. GENERAL

The purpose of this project is to provide a safe and reliable potable water supply for residents of the Town of Caledonia Water District No. 4. The project will also provide fire protection to the project area.

The proposed improvements consist of the installation of approximately 10,600 linear feet of 8-inch diameter water main, a booster pump station, valves, hydrants, and appurtenances.

II. PROJECT PLANNING AREA

A. LOCATION

The Town of Caledonia is located in the north west corner of Livingston County, New York. The project location is along portions of Gaslight Road, Graney Road, Skelly Road and McIntyre Road, as shown in Figure 1. The Boundary Map and Description for the Project is provided in Appendix A.

B. EXISTING FACILITIES

Presently, there are no public water facilities. The proposed water district will need to connect to the Village of Caledonia Water System at Gas Light Lane and extend service to the district.

C. ENVIRONMENTAL RESOURCES PRESENT

The project area consists of rural residential and agricultural lands. The work will be primarily located in the road rights-of-way. The proposed pump station will be located at the Village of Caledonia's Graney Road Storage Tank Site. The Village and Town will need to make an agreement for use of the site for this project.

Based upon review of the New York State Department of Parks, Recreation and Historic Preservation - Cultural Resource Information System, there are no archeologically sensitive areas or historic resources in the project area. Based upon the FEMA Flood Insurance Rate Maps there are no flood plains in the project area.

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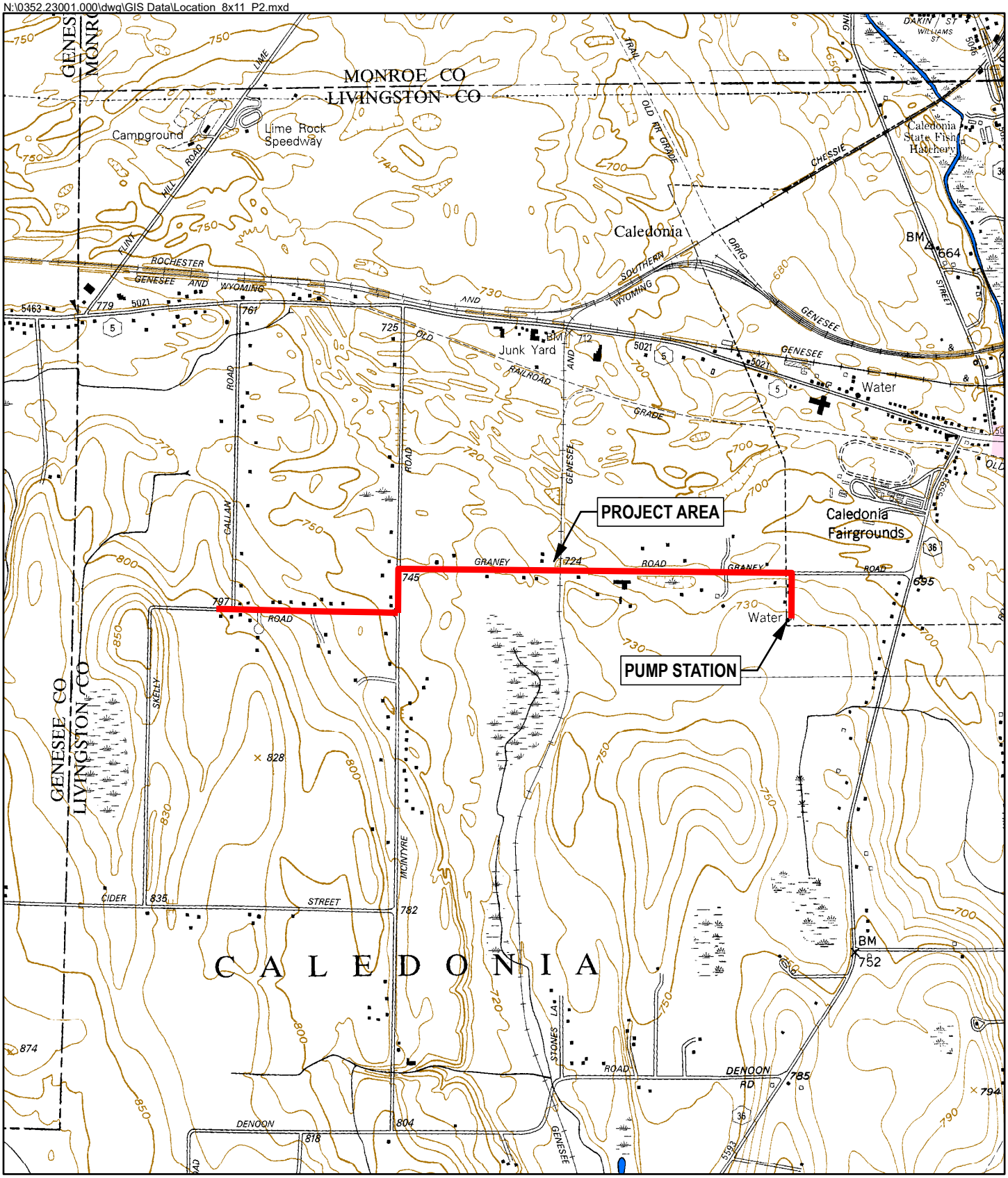

CALEDONIA WATER DISTRICT NUMBER 4 **TOWN OF CALEDONIA, LIVINGSTON COUNTY, NY** **LOCATION MAP**	**1" = 2,000'** **APR 2024**	**MRB | group** Engineering, Architecture & Surveying, D.P.C. 145 Culver Road, Suite 160 Rochester, NY 14620 (585) 381-9250 Phone www.mrbgroup.com	**SHEET NO.** **1 of 1** **PROJECT NO.** **0352.23001**

Appendix B includes the Environmental Review information and mapping of the environmental resources in the project area. The following environmental resources have been identified:

1. NYS DEC Wetland LE-3

   On the south side of Graney Road the project may fall within the checkzone for a state wetland. The appropriate erosion and sediment controls will be incorporated in the project. The NYS DEC will be contacted to determine if additional permits or measures will be needed prior to construction.

2. National Wetlands

   There are national wetlands to the south of Graney Road. However, these are no located in close proximity to the proposed work area.

3. Other Environmental Resources

   Based upon our review the of the NYS DEC Mapper the following are **NOT** present in the project area:

   Protected Streams
   Unique Geological Features
   Imperiled Mussels
   Significant Natural Communities
   Rare Plants or Animals

D. Growth Areas and Population trends

At present, there are 56 properties are in the proposed district. The estimated population in the water district is 120 people. Future growth is anticipated to be approximately 10% over the next 20 years, which will serve a total of 132 people.

E. Community Engagement

Based on continued and consistent individual feedback from residents within the Project area, the Town Board is confident that public water is a priority in the area. The Town Board will conduct at least one public information meeting for property owners in the proposed water district in the near term to outline the scope and costs

of the Project and the anticipated annual cost per user. The Town Board has also sent surveys to solicit feedback from property owners with respect to the hardships they currently face (i.e. limited yield and poor quality, water from their individual wells) to be included as documentation of need in the RD funding application. The Town Board will conduct a public hearing during district creation to give property owners a further opportunity to ask questions and provide feedback regarding the Project.

It is important to note that, while the Town may consider future water districts in other, distinct geographical areas within the Town, the intention of the Project is to serve properties within reasonable proximity of the Project area without "leaving anyone out", who desires public water and could reasonably be served without modifying the Project significantly.

F. Long Range Planning

The Town may consider future water districts in other, distinct geographical areas within the Town, the intention of the Project is to serve properties within reasonable proximity of the Project area who desires public water and could reasonably be served without modifying the Project significantly.

III. NEED FOR PROJECT

The project is needed for the following reasons:

A. Health and Safety

Some of the existing wells have poor water quality and/or limited capacity; posing serious health risks.

Another safety related concern is fire protection. Since the area is not served with a public system, fire protection is limited. Installation of a municipal water system will greatly increase the ability to fight fires.

B. System Operation and Maintenance

Currently, many of the individual well systems have extensive and costly operation and maintenance requirements. Due to corrosive conditions: well pumps, water

heaters and fixtures have required frequent repairs or replacement.

C. GROWTH

Since the project area is generally rural and residential in character, growth is certain to continue to occur. As growth occurs in the project area, water quality and quantity are likely to decrease. The water system will be designed to meet the existing and future needs for consumption and fire protection. As growth occurs, the project costs will be divided among larger numbers, thereby reducing the cost to each individual.

IV. ALTERNATIVES CONSIDERED

Three alternatives were considered to address the need for public water.

A. ALTERNATIVE 1 – DEVELOPMENT A NEW SUPPLY SOURCE

Alternate supply sources such as a new municipal well or water treatment plant were not considered since they are not practical or technically feasible for the following reasons:

- The cost to develop a new source of supply such as a well or water treatment plant are in addition to the cost of the water distribution improvements. This would result in a higher cost per user than already estimated for the water district.
- The proposed Project already has ready access to an existing public water supply with sufficient capacity through the proposed point of connection; no additional source is required.
- Construction of a new water treatment plant or well source and the accompanying new transmission infrastructure would undoubtedly result in more environmental impacts than utilizing the existing and readily available source, treatment and transmission infrastructure, to serve the district.

Therefore, for the reasons stated above, Alternative 1 was not further evaluated.

B. ALTERNATIVE 2A – CONNECT TO THE MONROE COUNTY WATER AUTHORITY MAIN

There is a water main available along NYS Rt. 5 at McIntyre Road. This connection is at a lower pressure zone therefore pumping will be required. In addition, the density of homes along the north section of McIntyre Road is very low and will be more costly an Alternate

2B – Connection to the Village of Caledonia System. Finally, there is limited capacity and storage on this section. Pumping from this main will have operational concerns upstream of this connection. Finally, this alternative will require land acquisition for the installation of a booster pump station.

C. Alternative 2B – Connect to the Village of Caledonia

The Village of Caledonia operates and maintains a water storage tank on Gas Light Lane. This connection point has several advantages. First, the connection will be in close proximity to the Village Storage Tank. This will provide stabile pressure and have only minor impacts upstream in the Village System. Second, there is a higher density of homes and a resulting lower cost per user. Third, this connection is at a higher-pressure zone and will reduce the cost of pumping for the proposed district. Finally, the Village Tank site can be used via a lease agreement or similar mechanism. Therefore, no land acquisition will be needed.

D. Recommended Alternative

Based on the discussion above, Alternative 2B is the most practical and technically feasible alternative to provide public water to the Project area.

E. Water System Details

1. Description

This alternative involves the installation of water mains designed to meet domestic uses and to provide fire protection. This will include the installation of water mains, a booster pump station, water services, valves, fire hydrants and appurtenances. In addition, a water service and shut-off valve will be installed to the right-of-way line at each house or business.

2. Design Criteria

The water system will be designed to provide 100 gallons of water per person per day for domestic and commercial uses and to provide fire protection meeting

Insurance Services Office (ISO) Standards.

Initial demands are estimated at 12,000 gallons per day. Based upon the estimated future population of 132, the water system will require 13,200 gallons per day. Using a peaking factor of 4, peak hourly demands are expected to be 37 gallons per minute. Based upon the zoning in the project area, house spacing will generally exceed 100 feet; therefore, the water system will be designed to provide 500 gallons per minute in addition to the peak hourly demands. The system will be designed in accordance with and require the following approvals: Livingston County Health Department and Livingston County Water and Sewer Authority. Agreements with the Village of Caledonia and their water source Monroe County Water Authority will also be required.

3. Environmental Impacts

There will be no significant environmental impacts with this alternative, since all work would occur within the road right-of-way and on The Village of Caledonia Graney Road Tank site. There are no protected streams that will be impacted in project area. The appropriate erosion, sediment and other controls will be employed to mitigate any adverse environmental impacts on the stream and wetlands in the project area.

4. Land Requirements

Since the water mains are likely to be located in the road right-of-ways, no additional land will be required. A lease arrangement will need to be made to place the booster pump station on the Village of Caledonia's Graney Road Water Storage Tank Site

5. Construction Requirements

The project will be installed utilizing conventional construction methods. No site conditions are expected that will require specialized construction requirements.

6. Cost Estimates

Table 1 is a detailed Cost Estimate for the selected alternative. Table 1 includes the estimated annual cost per equivalent dwelling unit (EDU). There are 56 parcels

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Table 1 - Preliminary Cost Estimate
Town of Caledonia
Graney, McIntyre and Skelly Road Water District
July 22, 2024

Description	Quantity	Unit	Unit Price	Total
Rock Removal	5,000	LF	$30.00	$150,000
Select Fill	1,500	CY	$15.00	$22,500
8-inch DR-18 PVC Water Main	10,600	LF	$55.00	$583,000
8-inch Gate Valves and Boxes	6	EA	$2,400.00	$14,400
R&S Railroad Crossing	1	LS	$15,000.00	$15,000
Fire Hydrant Assemblies	18	EA	$6,000.00	$108,000
1-inch Short Side Service	27	EA	$1,500.00	$40,500
1-inch Long Side Service	22	EA	$1,650.00	$36,300
Asphalt Road Restoration	60	LF	$35.00	$2,100
Asphalt Driveway Restoration	180	LF	$30.00	$5,400
Stone Driveway Restoration	270	LF	$15.00	$4,050
Lawn Restoration	10,000	LF	$4.00	$40,000
Pump Station	1	EA	$750,000.00	$750,000
			Total Construction Costs =	$1,771,250.00
			15% Contingency =	$265,687.50
			Legal & Administration =	$88,562.50
			Engineering =	$318,825.00
			Total Project Costs =	**$2,444,325.00**

USDA RD Grant (45% max for intermediate) =	$1,099,946
Total Amount Financed =	**$1,344,379**
Annual Principal & Interest Payment * (3.5%, 38 yr) =	$64,506
Estimated EDUs in Proposed District =	51
Estimated Annual Debt Service per EDU =	$1,265
Estimated Cost of Water for Average Home =	$350
Estimated Annual Cost per EDU =	**$1,615**

Town of Caledonia Median Household Income (per 2021 American Community Survey) $62,993, therefore may qualify for intermediate interest rate. * using 3.5% for to be conservative.

USDA Current Funding Rates	Max. MHI	Interest Rate
Poverty	$58,620.00	2.38
Intermediate	$73,275.00	3.25
Market		4.00

2024 NYS Comptroller threshold = $1,083

within the project area and a total of 51 EDU. Each EDU will pay equally towards the debt service.

The costs are summarized as follows:

Construction	$1,771,250.00
Contingency	$265,688.50
Legal and Administrative	$88,563.50
Engineering	$318,825.00
Total Project Costs	$2,444,325

Based upon the 2010 Census the Median Household income in Caledonia is $53,933. This is considered Intermediate for funding by the USDA Rural Development and qualifies the Town for a maximum grant of 45% and an intermediate interest rate of 3.5 % for a term of 38-years. Note that this rate varies quarterly.

If the USDA Rural Development 45% Grant is received with would equate to a $1,099,976 and the net project costs would be $1,344,379.

a. Debt repayments

Based upon an interest rate of 3.5% for 38 years with 51 EDU sharing the annual cost, the annual debt service costs would be $1,265 per EDU.

b. Estimated Costs for the Average Residential User

The estimated first year costs for the average residential user will be as follows:

1. Installation of Water Service (100 lf x $20/lf)	$2,000
2. Internal Plumbing Changes	$250
3. Repayment of Long-Term Bonding	$1,265
5. Estimated Water Use	$350
Total First Year Costs for the Average Residential User	$3,865

The estimated annual costs for the average residential user after the first year connection costs will be as follows:

1. Repayment of Long-Term Bonding	$1,265
5. Estimated Water Use	$350
Total After Year Costs for the Average Residential User	$1,615

7. Advantages/Disadvantages.

This alternative will meet the basic needs for domestic water and fire protection in a cost-effective manner. Fire protection can reduce the individual homeowners and business owner's insurance rates. Fire hydrants in a water system also allow flexibility in flushing water mains, provide convenient points for testing and allow convenient connection points during emergency repairs and maintenance conditions.

V. PROPOSED PROJECT (RECOMMENDED ALTERNATIVE).

The proposed project will have the following characteristics:

A. PROJECT DESIGN.

1. Water Supply.

The Town of Caledonia purchase water from the Village of Caledonia. The Village inturn purchases water from the Monroe County Water Authority. There is sufficient capacity to meet the demands required for this water project. A booster pump station will be needed to provide satisfactory water pressures and fire protection.

2. Treatment.

No treatment will be involved with the project, since water is obtained from other sources.

3. Storage.

The project will provide no additional storage. There is sufficient storage available to serve the water project.

4. Distribution Layout and Hydraulic Calculations.

The new piping will consist of 8-inch diameter DR-18 PVC water mains. It will connect to the exiting water mains at the Village of Caledonia Graney Road Water Storage Tank. A booster pump station located at the Village of Caledonia's Graney Road Tank site will provide pressures and flows for the higher elevations in the water district.

A water model was developed to estimate the impact of the new pipe. The pressures and flows at various points in the water project area are estimated as follows:

Proposed Conditions

Location	Static Pressure (psi)	Fire Flow (gpm)	Residual Pressure (psi)
Gaslight Ln. @ Graney	119	823	68
Graney @ McIntyre	103	654	53
Skelly @ Callen	80	641	22

B. ANNUAL OPERATING BUDGET.

The debt service on the project costs will be based on a per Equivalent Dwelling Unit basis. The Town plans to apply to the USDA Rural Development for grants and loans.

VI. CONCLUSIONS AND RECOMMENDATIONS.

The Town of Caledonia should peruse Water District No. 4 to provide a badly needed, reliable water service and fire protection to the project area.

APPENDIX A

WATER DISTRICT BOUNDARY MAP AND DESCRIPTION

Caledonia-Leroy Rd

Main St

Callan Rd

McIntyre Rd

Graney Rd

Skelly Rd

Leicester Rd

500'

500'

500'

7.-1-3.22
2551 Skelly Rd

7.-1-1.1
2539 Skelly Rd

6.-1-23
2529 Skelly Rd

6.-1-12.155
Callan Rd

6.-1-13
2507 Skelly Rd

6.-1-14
2503 Skelly Rd

6.-1-15
2493 Skelly Rd

6.-1-16
2473 Skelly Rd

6.-1-24
2463 Skelly Rd

7.-1-4.211
380 McIntyre Rd

7.-1-3.12
408 McIntyre Rd

7.-1-2
426 McIntyre Rd

7.-1-3.11
Skelly Rd

7.-1-3.3
2563 Skelly Rd

7.-1-60.21
2619 Graney Rd

7.-1-60.22
2625 Graney Rd

7.-1-60.1
Graney Rd

7.-1-7.2
2661 Graney Rd

7.-1-7.1
Graney Rd

7.-1-8
2695 Graney Rd

12.-1-23
LeRoy Caledonia Rd

7.-1-18.12
2743 Graney Rd

7.-1-18.115
2753 Graney Rd

7.-1-18.114
2757 Graney Rd

7.-1-18.113
2763 Graney Rd

7.-1-18.51
2779 Graney Rd

7.-1-18.31
2791 Graney Rd

7.-1-18.322
2799 Graney Rd

7.-1-18.321
2807 Graney Rd

7.-1-18.4
2823 Graney Rd

7.-1-18.2
2843 Graney Rd

6.-1-19
2438 Skelly Rd

6.-1-22
2458 Skelly Rd

6.-1-17
2466 Skelly Rd

6.-1-18.2
2474 Skelly Rd

6.-1-18.12
2482 Skelly Rd

6.-1-18.11
Skelly Rd

7.-1-40.135
2538 Skelly Rd

7.-1-40.131
Skelly Rd

7.-1-60.1
Graney Rd

7.-1-54.112
2756 Graney Rd

7.-1-54.114
Graney Rd

12.-1-23
LeRoy Caledonia Rd

7.-1-38.1
2682 Graney Rd

7.-1-39.1
2660 Graney Rd

7.-1-35
2822 Graney Rd

12.-1-35.11
673 Leicester Rd

7.-1-54.2
2806 Graney Rd

7.-1-36.1
2792 Graney Rd

7.-1-33
2862 Graney Rd

7.-1-34
2852 Graney Rd

7.-1-43
416 Gaslight Ln

7.-1-32
412 Gaslight Ln

7.-1-30.1
424 Gaslight Ln

7.-1-44
430 Gaslight Ln

7.-1-61.1
2846 Graney Rd

7.-1-61.2
2848 Graney Rd

7.-1-61.3
2830 Graney Rd

CALEDONIA WATER DISTRICT NUMBER 4

TOWN OF CALEDONIA, LIVINGSTON COUNTY, NY

DISTRICT MAP AND PLAN

N
W E
S

Drawn By: TJV

Scale: 1" = 800' @11"x17"

Date: JUL 2024

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Engineering, Architecture & Surveying, D.P.C.
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www.mrbgroup.com

SHEET NO.

1 of 1

PROJECT NO.

0352.23001

FILE PATH LOCATION N:\0352.23001.000\dwg\GIS Data\CaledoniaWaterDistrictNo4_11x17_L3.mxd

TAX_MAP	PARCEL_ADD	TOWN	ZIP	OWNER_NAME	PO	OWNER_ADD	OWNR_CITY	ROP CLAS	ASSESS_LU	GEN_LU				
7.-1-40.131	Skelly Rd	Caledonia	14423	Crosman, Joanne S.		2538 Skelly Rd	Caledonia, NY 14423	105	Farm Vacant Land	Agricultural	1			1
7.-1-40.135	2538 Skelly Rd	Caledonia	14423	Crosman, Joanne S.		2538 Skelly Rd	Caledonia, NY 14423	241	Rural Residence with > 10 acres	Residential	1	1		
6.-1-18.2	2474 Skelly Rd	Caledonia	14423	Goodhue, Robert		2474 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-17	2466 Skelly Rd	Caledonia	14423	Blaker, Rachel A.		2466 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-44	430 Gaslight Ln	Caledonia	14423	Wilkin, Dennis		430 Gaslight Ln	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-23	2529 Skelly Rd	Caledonia	14423	Cole, Daniel R.		2529 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-13	2507 Skelly Rd	Caledonia	14423	Gorham, Kenneth A.		2507 Skelley Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-14	2503 Skelly Rd	Caledonia	14423	Sousa, Anne M.		2503 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-15	2493 Skelly Rd	Caledonia	14423	Bullard, Michele		2493 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-2	426 McIntyre Rd	Caledonia	14423	Poole, Michael G.		426 McIntyre Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-16	2473 Skelly Rd	Caledonia	14423	Minges, Steven G.		2473 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-24	2463 Skelly Rd	Caledonia	14423	Toland, Paul		2463 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-30.1	424 Gaslight Ln	Caledonia	14423	Wilkin, Michelle A.		424 Gaslight Ln	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-43	416 Gaslight Ln	Caledonia	14423	Snyder, Vicki		412 Gaslight Ln	Caledonia, NY 14423	270	Mobile Home	Residential	1	1		
7.-1-32	412 Gaslight Ln	Caledonia	14423	Knab, Shirley J.		412 Gaslight Ln	Caledonia, NY 14423	270	Mobile Home	Residential	1	1		
6.-1-12.155	Callan Rd	Caledonia	14423	Sousa, Anne M.		2503 Skelly Rd	Caledonia, NY 14423	105	Farm Vacant Land	Agricultural	1			1
7.-1-33	2862 Graney Rd	Caledonia	14423	Calmes, Justin		2862 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-34	2852 Graney Rd	Caledonia	14423	Collins, Timothy J.		2852 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-61.1	2846 Graney Rd	Caledonia	14423	Simon, Alexander P.		2846 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-61.2	2848 Graney Rd	Caledonia	14423	Bird, Jeffrey		2848 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-61.3	2830 Graney Rd	Caledonia	14423	Curtis, Michael W.		2830 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
12.-1-35.11	673 Leicester Rd	Caledonia	14423	Bickford, Robert R.	192	642 Leicester Rd	Caledonia, NY 14423	120	Farm - Field Crops	Agricultural	1			1
7.-1-35	2822 Graney Rd	Caledonia	14423	Walter, Gerard G. Life Use		2822 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-54.2	2806 Graney Rd	Caledonia	14423	Bickford, John C.		2806 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-36.1	2792 Graney Rd	Caledonia	14423	Pelkey, Robert		2792 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-54.112	2756 Graney Rd	Caledonia	14423	Stein, David W.		2083 Wheatland Cent	Scottsville, NY 14546	112	Dairy Farm	Agricultural	1			1
7.-1-39.1	2660 Graney Rd	Caledonia	14423	Schunk, Stephan W.		2660 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-38.1	2682 Graney Rd	Caledonia	14423	Bosdyk, David L.		2682 Graney Rd	Caledonia, NY 14423	241	Rural Residence with > 10 acres	Residential	1	1		
7.-1-3.12	408 McIntyre Rd	Caledonia	14423	DeWitt, Morgan		408 McIntyre Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-3.11	Skelly Rd	Caledonia	14423	Poole, Michael G.		426 McIntyre Rd	Caledonia, NY 14423	314	Rural Vacant Lots Smaller than	Vacant	1			1
7.-1-3.3	2563 Skelly Rd	Caledonia	14423	Allen, Thomas P.		2563 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-1.1	2539 Skelly Rd	Caledonia	14423	Binnert, Eugene R. Jr		2539 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-3.22	2551 Skelly Rd	Caledonia	14423	Martin, Brittney Nicole		2551 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-60.21	2619 Graney Rd	Caledonia	14423	Swain, Kathryn		2619 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-60.22	2625 Graney Rd	Caledonia	14423	Wyskiel, Melanie M.		2625 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-7.2	2661 Graney Rd	Caledonia	14423	Jones, William P.		2661 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-8	2695 Graney Rd	Caledonia	14423	Chadderdon, Greig R.		3261 Keenan Pl	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-18.2	2843 Graney Rd	Caledonia	14423	Swain, Douglas P.		2843 Graney Rd	Caledonia, NY 14423	240	Rural Residence	Residential	1	1		
7.-1-18.4	2823 Graney Rd	Caledonia	14423	Gargan, James W.		2823 Graney Rd	Caledonia, NY 14423	240	Rural Residence	Residential	1	1		
7.-1-18.321	2807 Graney Rd	Caledonia	14423	Parnell, David J.		2807 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-18.115	2753 Graney Rd	Caledonia	14423	Murray, Alan J.		2753 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-18.114	2757 Graney Rd	Caledonia	14423	Bradigan, Steven O.		2757 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-18.113	2763 Graney Rd	Caledonia	14423	Hurley, Kim D.		2763 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-18.31	2791 Graney Rd	Caledonia	14423	Wilbur, John P.		2791 Graney Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-18.51	2779 Graney Rd	Caledonia	14423	Hartford, Gary L.		2779 Graney Rd	Caledonia, NY 14423	240	Rural Residence	Residential	1	1		
7.-1-7.1	Graney Rd	Caledonia	14423	Jones, William P.		2661 Graney Rd	Caledonia, NY 14423	105	Farm Vacant Land	Agricultural	1		1	
7.-1-18.12	2743 Graney Rd	Caledonia	14423	Karlsons, Andris		2743 Graney Rd	Caledonia, NY 14423	240	Rural Residence	Residential	1	1		
7.-1-18.322	2799 Graney Rd	Caledonia	14423	Warner, Jason W.	213		Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
7.-1-60.1	Graney Rd	Caledonia	14423	Ludlum, Steven		3196 Church St	Caledonia, NY 14423	105	Farm Vacant Land	Agricultural	1		1	
7.-1-54.114	Graney Rd	Caledonia	14423	Stein, David W.		2083 Wheatland Cent	Scottsville, NY 14546	321	Abandoned Agricultural Land	Vacant	1			1
6.-1-22	2458 Skelly Rd	Caledonia	14423	Curts, John C.		2458 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-18.11	Skelly Rd	Caledonia	14423	Hubert W. Stein & Sons, Inc,		2494 DeNoon Rd	Caledonia, NY 14423	120	Farm - Field Crops	Agricultural	1		1	
6.-1-19	2438 Skelly Rd	Caledonia	14423	Argana, James		2438 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		
6.-1-18.12	2482 Skelly Rd	Caledonia	14423	Barber, Elizabeth T.		2482 Skelly Rd	Caledonia, NY 14423	210	Single Family Residence	Residential	1	1		

7.-1-4.211	380 McIntyre Rd	Caledonia	14423	Nolt, Bianca K.	380 McIntyre Rd	Caledonia, NY	14423	210	Single Family Residence	Residential	1	1		
12.-1-23	LeRoy Caledonia Rd	Caledonia	14423	Genesee & Wyoming Railroad,	200 Meridian Centre E	Rochester, NY	14618	842	Ceiling Railroad	Transportation	1			1
										Total Parcels =	**56**			
										Total Single Family =		**46**		
										Agricultural =			**7**	
										Other =				**3**
										Total =				**56**

Schedule A

Boundary Description of Proposed Caledonia Water District No. 4

Caledonia Water District No. 4

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Caledonia, County of Livingston and State of New York, designated as Caledonia Water District No. 4 and as delineated on a map prepared by MRB Group Engineering, Architecture & Surveying, D.P.C. dated July 2024, entitled "District Map and Plan" (Project No. 0352.23001) and being more particularly bounded and described as follows:

BEGINNING at a point at the intersection of the centerlines of McIntyre Road and Skelly Road, the Point of Beginning (POB) of Caledonia Water District No. 4, said point being located at coordinates North 1,081,517± and East 1,333,237'±; thence

1. Easterly 30'±, to the southwest corner of Tax Map Parcel (TMP) 7.-1-60.1; thence
2. Easterly 470'±, along the southern boundary of TMP 7.-1-60.1 to a point being located 500' offset west perpendicular from the centerline of McIntyre Road; thence
3. Northerly 160'±, along a line parallel to the centerline of McIntyre Road and offset 500' west to a point within TMP 7.-1-59.11, said point being offset 500' perpendicular south of the centerline of Graney Road; thence
4. Westerly 5,116'±, along a line parallel to the centerline of Graney Road and offset 500' south through TMPs 7.-1-60.1, 7.-1-38.1, 12.-1-23, 7.-1-54.114, 7.-1-54.112, 7.-1-35 and 12.-1-35.11 to a point on the eastern boundary of TMP 12.-1-35.11; thence
5. Southerly 116'± along the eastern boundary TMP 12.-1-35.11 to the southwest corner of TMP 7.-1-44; thence
6. Easterly 318'± along the southern boundary of TMP 7.-1-44 to the southeast corner of said parcel; thence
7. Northerly 607'± along the eastern boundaries of TMPs 7.-1-44, 7.-1-30.1, 7.-1-43, 7.-1-32, 7.-1-33 and continuing to a point on the centerline of Graney Road; thence
8. Westerly 35'± along the centerline of Graney Road; thence
9. Northerly 25'± to the southeastern corner of TMP 7.-1-18.2; thence
10. Northerly 475'± to a point on the eastern boundary of TMP 7.-1-18.2, said point being offset 500' perpendicular north of the centerline of Graney Road; thence

11. Westerly 5,874'± along a line parallel to and offset 500' north of the centerline of Graney Road through TMPs 7.-1-18.2, 7.-1-18.4, 7.-1-18.321, 7.-1-18.322, 7.-1-18.31, 7.-1-18.51, 7.-1-18.113, 7.-1-18.114, 7.-1-18.115, 7.-1-18.12, 12.-1-23, 7.-1-7.1, 7.-1-8, 7.-1-7.1, 7.-1-7.2, 7.-1-60.1 and continuing to a point on the centerline of McIntyre Road; thence

12. Southerly 302'±, along the centerline of McIntyre Road; thence

13. Westerly 27'± to the northeast corner of TMP 7.-1-4.211; thence

14. Westerly 201'± along the northern boundary of TMP 7.-1-4.211 to the northwest corner of said parcel; thence

15. Southerly 150'± along the western boundary of TMP 7.-1-4.211 to the southwest corner of said parcel; thence

16. Westerly 259'± along northern boundary of TMP 7.-1-3.12 to the northwest corner of said parcel; thence

17. Southerly 201'along the western boundary of TMP 7.-1-3.12 to a point located 500' offset perpendicular north the centerline of Skelly Road; thence

18. Westerly 1,450'± through TMPs 7.-1-3.11, 7.-1-3.3, 7.-1-3.22, 7.-1-1.1 and 6.-1-12.155 to a point of the western boundary of said TMP 6.-1-12.155; thence

19. Southerly 253'± along the western boundary of TMP 6.-1-12.155 to the southwest corner of said parcel; thence

20. Westerly 517'± along the northern boundary of TMPs 6.-1-15, 6.-1-16 and 6.-1-24 and continuing to a point on the centerline of Callan Road; thence

21. Southerly 252'± along the centerline of Callan Road to the intersection of the centerline of Callan Road and the centerline of Skelly Road; thence

22. Westerly 289'± along the centerline of Skelly Road; thence

23. Southerly 31'± to the northwest corner of TMP 6.-1-19; thence

24. Southerly 469'± along the western boundary of TMP 6.-1-19 and continuing to a point within TMP 6.-1-18.11, said point being offset 500' south of the centerline of Skelly Road; thence

25. Easterly 1,821'±, along a line parallel to the centerline of Skelly Road and offset 500' south through TMPs 6.-1-18.11, 6.-1-18.12, 6.-1-18.11and 7.-1-40.135 to a point on the eastern boundary of said TMP 7.-1-40.135; thence

26. Northerly 94'± along the western boundary of TMP 7.-1-59.11 to the northwest corner of said parcel; thence

27. Easterly 669'± along the northern boundary of TMP 7.-1-59.11 to the southwest corner of TMP 7.-1-40.7; thence

28. Northerly 148'± along the western boundary of TMP 7.-1-40.7 to the northwest corner of said parcel; thence

29. Easterly 246'± along the northern boundary of TMP 7.-1-40.7 and continuing to a point on the centerline of McIntyre Road; thence

30. Northerly 249'± along the centerline of McIntyre Road to the intersection of McIntyre Road and the centerline of Skelly Road, said location being the point and place of beginning of Caledonia Water District No. 4.

HEREBY INTENDING TO DESCRIBE IN ITS ENTIRETY, the situated in the Town of Caledonia, Livingston County, New York to be known and identified as the Caledonia Water District No. 4.

APPENDIX B

ENVIRONMENTAL RESOURCES

Full Environmental Assessment Form
Part 1 - Project and Setting

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. 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; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Town of Caledonia Water District No. 4		
Project Location (describe, and attach a general location map): Gaslight Lane, Graney Road, McIntyre Road, Skelly Road and DeNoon Road		
Brief Description of Proposed Action (include purpose or need): Water District to provide potable water and fire protection to the project area.		
Name of Applicant/Sponsor: Town of Caledonia	Telephone: 585-538-4927 E-Mail: calsuper@frontier.com	
Address: 3109 Main Street		
City/PO: Caledonia	State: NY	Zip Code: 14423
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☑Yes ☐No	Town Board Formation of District	August 2023
b. City, Town or Village Planning Board or Commission ☐Yes ☑No		
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☑Yes ☐No	Village of Caledonia Water Agreement	August 2023
e. County agencies ☑Yes ☐No	Livinston County DOH	January 2024
f. Regional agencies ☐Yes ☐No		
g. State agencies ☑Yes ☐No	NYS Department of Health	January 2024
h. Federal agencies ☑Yes ☐No	USDA Rural Development	October 2023

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☐No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Residential R-1 and Agricultural/Rural Residential R-R

b. Is the use permitted or allowed by a special or conditional use permit? ☐ Yes ☑ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Caledonia Central School District

b. What police or other public protection forces serve the project site?
Livingston County Sheriff

c. Which fire protection and emergency medical services serve the project site?
Caledonia Fire District

d. What parks serve the project site?
None

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Water District

b. a. Total acreage of the site of the proposed action? 11 acres
b. Total acreage to be physically disturbed? 11 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 11 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 12 months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____ year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☐ Yes ☑ No

If Yes,

i. Total number of structures 1

ii. Dimensions (in feet) of largest proposed structure: 9 height; 20 width; and 25 length

iii. Approximate extent of building space to be heated or cooled: 500 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? trenching for water and pump station installation

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): 400 CY
- Over what duration of time? 12 months

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

soil and rock, which will be used for fill for area residents

_____

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☑ No
If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☐ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑Yes ☐No

If Yes:

i. Total anticipated water usage/demand per day: 20,000 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☑Yes ☐No

If Yes:

- Name of district or service area: Village of Caledonia
- Does the existing public water supply have capacity to serve the proposal? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No
- Do existing lines serve the project site? ☐Yes ☑No

iii. Will line extension within an existing district be necessary to supply the project? ☐Yes ☑No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☑Yes ☐No

If, Yes:

- Applicant/sponsor for new district: Town of Caledonia
- Date application submitted or anticipated: August 2023
- Proposed source(s) of supply for new district: Village of Caledonia/ Monroe County Water Authority

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☐Yes ☑No

If Yes:

i. Total anticipated liquid waste generation per day: _____ gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

_____

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☐Yes ☐No

If Yes:

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- Does the existing wastewater treatment plant have capacity to serve the project? ☐Yes ☐No
- Is the project site in the existing district? ☐Yes ☐No
- Is expansion of the district needed? ☐Yes ☐No

- Do existing sewer lines serve the project site? ☐Yes ☑No
- Will a line extension within an existing district be necessary to serve the project? ☐Yes ☑No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

_____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐Yes ☐No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

_____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☐Yes ☑No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

_____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

_____

_____

- If to surface waters, identify receiving water bodies or wetlands: _____

_____

_____

- Will stormwater runoff flow to adjacent properties? ☐Yes ☐No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐Yes ☐No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☐Yes ☑No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

_____

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

_____

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

_____

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐Yes ☑No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐Yes ☐No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☐No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7AM - 4PM
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 7AM - 8AM
- Saturday: _____
- Sunday: _____
- Holidays: _____

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

i. Provide details including sources, time of day and duration:

_____

_____

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☐ No

Describe: _____

_____

n. Will the proposed action have outdoor lighting? ☐ Yes ☑ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

_____

_____

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☐ No

Describe: _____

_____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☐ Yes ☑ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

_____

_____

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:_____

_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

_____

_____

_____

_____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____

  _____
- Operation: _____

  _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____

  _____
- Operation: _____

  _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☐ Industrial ☐ Commercial ☑ Residential (suburban) ☑ Rural (non-farm)
☐ Forest ☑ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	8	8	0
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	1	1	0
• Agricultural (includes active orchards, field, greenhouse etc.)	2	2	0
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☐ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? 2-3 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

LOAM	80 %
CLAY	20 %
	%

d. What is the average depth to the water table on the project site? Average: 15 feet

e. Drainage status of project site soils:

☐	Well Drained:	% of site
☑	Moderately Well Drained:	50 % of site
☑	Poorly Drained	50 % of site

f. Approximate proportion of proposed action site with slopes:

☑	0-10%:	100 % of site
☐	10-15%:	% of site
☐	15% or greater:	% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☑ Yes ☐ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name 821-191 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters, NYS Wetland, Federal Waters, Fe... Approximate Size NYS Wetland (in a...
- Wetland No. (if regulated by DEC) LE-3

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site:
DEER
BIRDS (CROWS, SPARROWS, ETC.
TURKEY
FOX

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No
If Yes:
i. Describe the habitat/community (composition, function, and basis for designation): _____
ii. Source(s) of description or evaluation: _____
iii. Extent of community/habitat:
- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

If Yes:
i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:
i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☑ Yes ☐ No
If yes, give a brief description of how the proposed action may affect that use: _____
Private properety used for hunting

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☑ Yes ☐ No
If Yes, provide county plus district name/number: LIVI001

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No
i. If Yes: acreage(s) on project site? _____
ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No
If Yes:
i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature
ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No
If Yes:
i. CEA name: _____
ii. Basis for designation: _____
iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☑ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☑ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

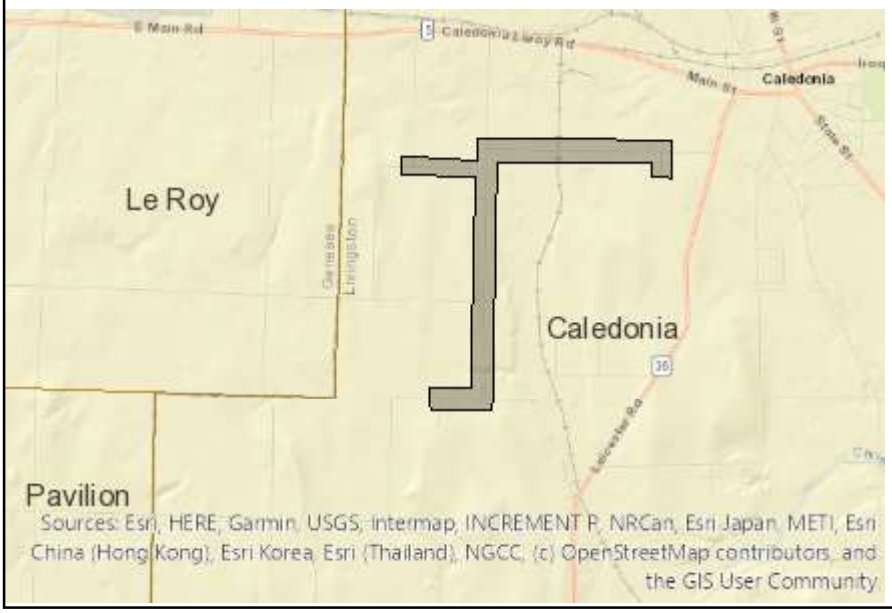
Applicant/Sponsor Name Town of Caledonia Date June 2023

Signature _____ Title Town Supervisor

PRINT FORM

EAF Mapper Summary Report

Tuesday, June 13, 2023 10:46 AM



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.

B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	Yes
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.iv [Surface Water Features - Stream Name]	821-191
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):65.9
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	LE-3
E.2.h.v [Impaired Water Bodies]	No

E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	LIVI001
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No