

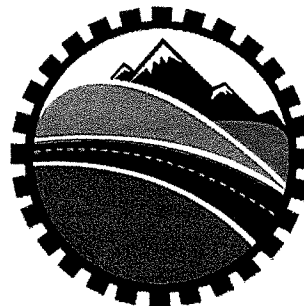
# EXHIBIT A

## Map, Plan and Report

For The

## Town of Alexander Water District No. 7

May 2023



**Mountain  
Engineering, PLLC**  
Infrastructure • Water • Wastewater • Environment

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## **I. General**

The Town of Alexander has received interest in establishing a water district. A water district is a special use district required by Town Law where a specific area of the town receives a specific benefit. The cost of receiving this benefit will be borne solely by those property owners in that specific area.

The purpose of this project is to provide safe and reliable potable water supply and fire protection to residences in the proposed Town of Alexander Water District No. 7.

## **II. Project Planning Area**

### **A. Location**

The project area has been identified through public interest. The project regional location is shown in Figure 1. The Town of Alexander Water District No. 7 will connect to the existing Town of Alexander Water District No. 2 along NYS Route 98 and to the Town of Bethany Water District No. 4 along Creek Road and Old Creek Road. There will be connections to the existing Town of Alexander Water District No. 4 at US Route 20, Brookville Road and Sandpit Road. The total water main project will include approximately 125,300 linear feet of new water main along Old Creek Rd., Creek Rd., Hunn Rd., Gilhooly Rd., Brookville Rd., Cook Rd., Route 20 Broadway Rd., Browns Mill Rd., West Bethany Rd., Molasses Hill Rd., Dry Bridge Rd., Sandpit Rd., Chaddock Rd., Spring Rd., Stroh Rd. and Maplewood St., including 5,650 linear feet of transmission main along US Route 20 in the Town of Alexander and 4,250 linear feet of transmission water mains in the Town of Bethany. The water main will serve approximately 184 units in the Town of Alexander of which there are three (3) commercial units (truck company, auto repair shops) and one (1) industrial unit (gravel and sand quarry) within the proposed service area. The proposed facilities are shown in Figure 2 at the end of this report.

### **B. Environmental Resources Present**

There are farmlands, wetlands and streams present in the project area. Most construction will be taking place in existing road right-of-way and proper construction mitigation and restoration efforts will be implemented based on standard practices and agency requirements.

### **C. Growth Areas and Population Trends**

The project area is primarily residential and agricultural with very few commercial businesses. The total census population of the Town of Alexander in 2020 was 2,491, decreasing by 43 since 2010. The projected demands for the proposed service area will

utilize a 1% increase over 20 years. This increase considers population projections and the land use of the area.

### **III. Existing Facilities**

#### **A. Location Map**

The recommended alternative for providing public water to this area is shown in Figure 2.

#### **B. History**

The entire area of the proposed water district is presently served by private wells. Residents and businesses have indicated a long history with the inadequate quality and quantity of their well systems and the lack of fire protection.

There has been a history of strong interest in the proposed Water District No. 7. This was noted in the recent income survey and documented in the 2020 informal petition, as shown in Appendix H. A strong majority was in favor of obtaining public water in the areas surveyed within the proposed district.

#### **C. Condition of Facilities**

The Town of Alexander has received several complaints about the quality, and at times, quantity of the private water supplies in the area. Many of these wells require expensive treatment systems to make the water acceptable for domestic use. Recently, residents within the proposed district have lost water and have had to drill new wells. At the monthly Town Board Meeting on August 8, 2022, residents from the proposed Water District No. 7, notified the board that their wells went dry overnight. The residents attributed that to operations at the neighboring quarry. Minutes from that meeting are shown in Appendix G at the end of this report.

The Town and Engineer will assess if emergency funding can be secured based on input from residents and any findings from the Town Code Enforcement Officer. Six properties have been documented in a letter from the Town Code Enforcement Officer where wells have been lost or have been intermittent, as shown in Appendix F.

#### **D. Financial Status of any Operating Facilities**

The residents of the entire area have private wells and furnish the operation and maintenance costs themselves. Those that currently do not have working wells have water delivered daily.

E. Existing and Future Water Demand

The current and projected demands for the proposed service area for 184 users at an estimated annual water usage of 60,000 gallons are as follows:

	<u>Current</u>	<u>Projected</u>
Average Day	30,247 gpd	30,549 gpd
Maximum Day	60,493 gpd	61,098 gpd
Peak Hour	181,479 gpd	183,294 gpd

**IV. Need For Project**

A. Health and Safety

The proposed water main project will provide safe potable water to the residents of the proposed Water District No. 7 and will eliminate the health risks associated with the quality and lack of quantity ground water.

A letter from the Genesee County Department of Health and the Town of Alexander Code Enforcement Officer have been included as Appendices E and F, respectively.

Existing water districts in the Towns of Alexander, Bethany and Batavia immediately adjacent to the proposed water district have a history of water quality issues documented at the Genesee County Health Department.

B. System O & M

A public water distribution network will replace highly expensive individual water treatment units and eliminate the need for water deliveries; this will reduce the operation and maintenance costs borne by the residents at this time. The Town of Alexander will contract with an operator to provide operation and maintenance of the proposed public water system through an inter-municipal agreement.

C. Growth

While economic development is viewed as a project benefit, balancing economic development and land protection is necessary, critical and provided for. The Town intends to limit water service connections within the boundaries of Agricultural Districts to only ag-

gricultural structures or land and structures that have already been approved for development. Thus, there are no anticipated long-term impacts to the Agricultural Districts as a result of the proposed action including no change in use of agricultural/residential lands within the Agricultural District. This area is also entirely outside of Genesee County's Smart Growth Area.

## V. Alternatives Considered

### A. Description

#### 1. Alternative 1 – Null Alternative

This alternative proposes to “do nothing”. This would mean continued health risks for the residents of the proposed District.

#### 2. Alternative 2 – Residential Well Supply

This alternative includes the establishment of a local source or multiple sources along with a treatment system. The capital and long-term costs make this alternative prohibitive.

#### 3. Alternative 3 – Connection to Town of Alexander Water District No. 2 and Town of Bethany Water District No. 4

This proposed alternative includes the installation of approximately 5,650 linear feet of 12-inch transmission main from the existing Town of Alexander Water District No. 2 at the intersection of NYS Route 98 and Route 20 to the Town of Alexander Water District No. 4. The installation of approximately 4,250 linear feet of 8-inch transmission mains in the Town of Bethany will connect the existing Town of Bethany Water District No. 4 to the new water district as shown in Figure 2 at the end of this report. The Town of Alexander will complete the transmission mains in the Town of Bethany.

The installation of approximately 125,300 linear feet of new water distribution main along Old Creek Rd., Creek Rd., Hunn Rd., Gilhooly Rd., Brookville Rd., Cook Rd., Route 20 Broadway Rd., Browns Mill Rd., West Bethany Rd., Molasses Hill Rd., Dry Bridge Rd., Sandpit Rd., Chaddock Rd., Spring Rd., Stroh Rd. and Maplewood St. in the Town of Alexander. The water main will be PVC as the Town of Alexander utilizes PVC for their standard material. Various water main diameters were analyzed, and the selected size were chosen based on providing adequate fire flows and considering future service areas. The proposed water main

will be installed in the right-of-way in order to provide services to the residents on each side of the roadways.

The transmission sizes described above for this alternative will be bid as the Base Bid. If costs become prohibitive during bidding, an Alternative Bid will be presented to remove the transmission mains along Creek Road in the Town of Bethany and the Route 20 transmission main will be reduced to 8-inch. Old Creek Road is necessary to supply the northern part of the proposed district.

The Town of Batavia operates and maintains the Town of Bethany Water District No. 4 and all new and existing Water District Nos. 2, 3, 4, 5 and 6 in the Town of Alexander.

Interconnections for backup water supply will be available between the Town of Alexander and Village of Alexander if they determine a need and enter into an agreement.

4. Alternatives 4 and 5 – Village of Alexander Connection Alternative  
Town of Bethany Connection Alternative

This proposed alternative includes connections to the existing Town of Alexander Water District No. 4 constructed in 2018. There will be three connection points to Water District No. 4.

This proposed alternative includes the installation of an 8-inch transmission main of approximately 4,250 linear feet from the existing Town of Bethany Water District No. 4 and a booster pump station will be installed in the Town of Alexander. The Town of Alexander will complete the transmission mains in the Town of Bethany. An additional booster pump station and water storage tank will be required to meet fire flow requirements for this alternative as the hydraulic pressure zones in the Villages of Attica and Alexander and Bethany are too low. This booster pump station will be installed toward the Alexander/Bethany municipal line. A water storage tank will be located immediately before the second pump station. The proposed water system for this alternative is shown in Figure 3 at the end of this report. The proposed Water District No. 7 service area was previously described in Alternative 3.

Interconnections for backup water supply will be available between the Town of Alexander and Village of Alexander if they determine a need and enter into an agreement.

Another connection considered was the Village of Attica. Town of Alexander residents along Genesee Street are part of a private water system currently supplied by the Village of Attica. A small diameter main was recently upgraded and paid for by the eight private users. These residents are responsible for operation and maintenance. The Town of Alexander and Mountain Engineering, PLLC met with the eight property owners, and they indicated they wish to continue being served by the Village of Attica. The residents were notified they would be charged one third of a unit for the debt service since they already have water and would not like to be included in the proposed Water District No. 7. The Town is working with the residents to facilitate an agreement with the Village or a water district with the Town.

Since the residents along Genesee Street have indicated they do not want to be included in Water District No. 7, it will not be necessary to install approximately 3,100 linear feet of distribution water main to serve the eight residents. An additional 300 linear feet would need to be installed within the Village to connect to the Attica source. This interconnection would be valuable in times when an alternative backup water supply is needed.

#### B. Design Criteria

The proposed Water District No. 7 has been designed in accordance with New York State Department of Health standards and Ten State Standards to provide safe potable water and fire protection to the district's residents.

#### C. Map

Figure 2 shows the map of the proposed water system. The legal map for the proposed District has been provided in Appendix A.

#### D. Environmental Impacts

There are no anticipated environmental impacts associated with any of the alternatives. An environmental review has been completed for the recommended alternative. All construction will be done in existing road rights-of-way and proper construction mitigation and restoration efforts will be implemented.

#### E. Land Requirements

There may be additional land requirements for Alternatives 3, 4 and 5 for the installation of a new booster pump station. Alternative numbers 4 and 5 will require additional land



for the installation of a new water storage tank and additional pump station. These two alternatives will require the pump to be installed in the Town of Alexander. There are no additional land requirements for the alternatives for the proposed water main. All water main construction is anticipated to take place within existing road right-of-way.

F. Construction Problems

There are no known construction problems for the new water system.

G. Cost Estimates

Detailed cost estimates for all Alternatives are included in Appendix B with the Total Capital Costs listed as follows:

<i>Alternative 1</i>	<i>Alternative 2</i>	<i>Alternative 3</i>	<i>Alternates 4 and 5</i>
\$0	\$24,195,000	\$17,536,000	\$18,929,000

A breakdown of estimated operation and maintenance (O&M) costs are shown for the alternatives in Table 1 below. Estimates for O&M costs are categorized by personnel, utility costs, monitoring and testing, short lived asset maintenance replacement and residual disposal. It is anticipated that Alternative 3 will provide less O&M costs to the other source options. The cost shown below in Table 1 for Alternates 3, 4 and 5 for \$71,539 represents the cost to be charged by the Town of Batavia for the estimated usage for 184 users at the Town of Batavia water rate of \$6.48/1,000 for estimated usage of 60,000 gallons per year.

A present worth comparison of the alternatives is shown below in Table 2. Each alternative includes a life cycle present worth cost analysis. Annual Operation and Maintenance costs are stated at their present-day cost and salvage values are shown for present day values for this analysis. Each technically feasible alternative includes the Net Present Value.

<b>Table 1. Operation &amp; Maintenance Costs of Alternatives</b>			
	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternatives 4 and 5</b>
Personnel	20,000.00	3,000.00	6,000.00
Contractual (Water Supply)	4,000.00	71,539.00	71,539.00
Utility Costs	28,000.00	4,000.00	8,000.00
Monitoring & Testing	5,000.00	2,600.00	5,200.00
Short-Lived Assets (1)	34,000.00	6,000.00	12,000.00
Total	91,000.00	87,139.00	102,739.00
<b>(1) Short-lived assets include:</b>			
Alternative 2 (Water Treatment Plant) - Tank, pumps, meters, valves, disinfection equipment, filter generators.			
Alternative 3 (Distribution system and booster pumps) - Pump replacement and control equipment. No short-lived assets for water distribution systems.			
Alternatives 4 and 5 (Distribution system, tank and booster pumps) - Tank cleaning and equipment, pump replacement control equipment. No short-lived assets for water distribution systems.			

<b>Table 2. Present Worth Comparison of Alternatives</b>			
<b>Present Value</b>	<b>Alternative 2</b>	<b>Alternative 3</b>	<b>Alternatives 4 and 5</b>
Capital Cost	\$24,195,000	\$17,536,000	\$18,929,000
Annual O&M Cost (Present Worth) (1)	\$1,727,855	\$1,654,545	\$1,950,748
Short Lived Assets (Present Worth) (1,2)	\$67,325	\$11,881	\$23,762
Salvage Value (Present Worth) (1)	\$362,025	\$452,531	\$905,063
Net Present Value (NPV)	\$26,352,205	\$19,654,957	\$21,808,573

(1) Annual O&M Costs, Short Lived assets and Salvage Values have been discounted for a 20-year period at a 0.5% discount rate.

(2) Short-lived assets include:  
**Alternative 2 (Water Treatment Plant) - Pumps, meters, valves, disinfection equipment, filter media, computers, controls, generators.**  
**Alternative 3 (Distribution system and booster pumps) - Pump replacement and control equipment. No short-lived assets for water system.**  
**Alternatives 4 and 5 (Distribution system, tank and booster pumps) - Tank cleaning and equipment, pump replacement and control equipment. No short-lived assets for water system.**

PVC has demonstrated that it is the least expensive pipe material and has a long-life expectancy, with low O&M costs. Based on these factors, it is expected that the cost analysis would confirm that PVC is the best option. The following tables show the comparison of PVC and Ductile Iron for Alternative 3.

**PVC**

8,300 lf of 2"	\$36.00/lf	75-year lifespan	\$3,984/yr
89,930 lf of 8"	\$58.00/lf	75-year lifespan	\$69,546/yr
26,790 lf of 12"	\$88.00/lf	75-year lifespan	\$31,434/yr
			\$104,964/yr

**Ductile Iron**

8,300 lf of 2"	\$46.00/lf	50-year lifespan	\$7,636/yr
89,930 lf of 8"	\$69.00/lf	50-year lifespan	\$124,103/yr
26,790 lf of 12"	\$98.00/lf	50-year lifespan	\$52,508/yr
			\$184,247/yr

## H. Advantages/Disadvantages

Alternative No. 3 is the most viable alternative as it is consistent with the goals and needs of the Town of Alexander. The advantage of Alternative No. 3 is as follows:

1. It provides a reliable water source to the area where residents recently experienced lost water supply in their wells.
2. It will eliminate the ongoing health problems and risks associated with the quality of ground water in the area.
3. It provides fire protection except for higher elevations, where booster pump stations will provide domestic water supply through small diameter lines as shown on Figure 5 in this report. Approximately six residents will not have fire protection under this scenario.
4. The Town of Alexander Water District No. 4 (Alternative No. 4) is supplied by the Village of Attica water. The Village of Alexander has recently documented water quality issues as there have been instances of high TTHM's in the Attica source water.
5. A water supply agreement currently exists for this source.

The preferred alternative which is comparable in cost is Alternative No. 3, "Town of Alexander Water District No. 2 Source (City of Batavia Water Source) and The Town of Bethany Water District No. 4 Source (City of Batavia Water Source)".

## VI. Recommended Alternative

The recommended alternative is Alternative 3, Connection to Town of Alexander Water District No. 2 and Town of Bethany Water District No. 4.

### A. Project Design

#### 1. Water Supply

The proposed Water District No. 7 will receive water through the Town of Alexander Water District No. 2 along U.S. Route 20 at NYS Route 98 and also the Town of Bethany Water District No. 4, along Old Creek and Creek Roads. The water supply source is from the City of Batavia.

2. Treatment

The Town of Alexander, from the City of Batavia will provide treated water to the proposed Water District No. 7. The treated water will meet all the state and federal drinking water standards.

3. Storage

The existing 500,000-gallon tank along US Route 20 in the Town of Alexander Water District No. 5 has the capacity to provide the water storage needs for the proposed Water District No. 7.

4. Pumping Station

The proposed booster pump stations will be constructed and provided as part of the project and will provide and supply the proposed Town of Alexander Water District No. 7.

Two smaller pump stations will be installed in the high-pressure zones in the southeast corner of Alexander, along Chaddock Road and Molasses Hill Road. The proposed pumps will only be capable of providing domestic water supply.

5. Distribution Layout

The distribution network is shown in Figure 3 at the end of this report for the project area.

6. Transmission Main Layout

The transmission mains will be completed by the Town of Alexander and will include water main along US Route 20 in the Town of Alexander and along Old Creek and Creek Roads in the Town of Bethany as shown in Figure 3 at the end of this report.

7. Services

Service connections will only be installed for the Town of Alexander residents in the proposed Water District No. 7 project area. No services connections will be installed along the transmission mains in the Towns of Alexander and Bethany at this time.

A portion of the water service from the right-of-way to the main line will be installed under this project. The portion from the right-of-way to the home will be the responsibility of the homeowner.

## 8. Hydraulic Calculations

The hydraulic conditions of the proposed system were calculated using the EPANET hydraulic modeling software. The hydraulic analysis of the system includes the evaluation of available pressures and flows for the proposed Water District.

Hydraulic analysis of the system included the evaluation of available pressures and flows during minimum day (average day  $\div$  4), average day, maximum day (average day  $\times$  2), and peak hour (average day  $\times$  6) demand conditions. This analysis also evaluated the available fire flows under maximum day demands.

The hydraulic analysis of the system indicates that adequate flows and pressures are available in the proposed system during average demand. Pressures in the new service area range from 40 psi to 123 psi during average demand periods. Average daily demand is low relative to the size of the mains necessary to maintain fire flow that for maximum day pressure. Maximum day pressures are approximately one psi less at each node.

A minimum of 600 gpm fire flow will be provided throughout the 1180 Zone portion of the distribution system while maintaining a minimum pressure of 20 psi at all locations in the distribution system. Ultimately, fire flow will be maintained by the 500,000-gallon Alexander Tank and through the re-programming of the two existing pump stations currently in the Alexander systems to automatically start when a fire flow/high flow incident is detected regardless of the water level in the Alexander Tank. Fire flows were simulated during maximum day demand and ranged from 675 gpm to 1,100 gpm with the booster pump off and 675 gpm to 1,325 gpm with the booster pump on.

The transmission sizes for Alternative No. 3 will include a 12-inch main along Route 20 in the Town of Alexander and 8-inch mains on Old Creek Road and Creek Road in the Town of Bethany. These sizes will be included in the Base Bid. If costs become prohibitive during bidding, an Alternative Bid will be presented to remove the transmission main along Creek Road in the Town of Bethany and the Route 20 transmission main will be reduced to 8-inch.

Water System Models are included in Appendix C.

B. Cost Estimate

The estimated total capital cost for the proposed service area is summarized as follows:

Construction Cost with 10% Contingency	\$15,117,000
Legal & Administrative Costs	\$605,000
Engineering Costs	\$756,000
<u>Services During Construction</u>	<u>\$1,058,000</u>
Total Estimated Project Cost	\$17,536,000

Depending on funding availability, the project will be engineered to allow phasing if full funding is not initially available. Phasing options are based on available funding. Three phases of construction are shown in Figure 6. The total projects costs for each phase are summarized below.

Phase 1 -	\$9,749,000
Phase 2 -	\$4,070,000
Phase 3 -	<u>\$3,718,000</u>
Total Project Cost	\$17,536,000

C. Town of Alexander Water Rate Information from (T) Batavia water rate equals \$6.48/1,000.

D. Definition of a Unit

The Town of Alexander Water District No. 7 Unit Definition is included in Appendix D.

The proposed district includes 184 units which may include single family houses, mobile homes, vacant land, manufactured homes, or non-residential properties.

E. Miscellaneous Connections

Single Family Dwellings	167
Two-Family Dwellings	4
Three-Family Dwellings	4
Four-Family Dwellings	1
Businesses	3
Non-Residential Properties:	
Total	179

F. Vacant Property Classification

Below is a list of vacant properties located within the proposed Town of Alexander, Water District No. 7, and its classification.

Town Classification: 96 properties classified as 'Not Developable' includes parcels within Agricultural Districts, outside of the Smart Growth Area, and those classified as such according to local ordinances (ie. located within a floodplain).

USDA Classification: 64 properties classified as 'Not Developable' includes parcels within Agricultural Districts only.

Of the 32 vacant lots classified as developable by, it's not likely that many owners would clear and build another residence. Many vacant lots are owned with the primary residence next door. It is unlikely that any further development would occur unless these lots, many are wooded, were sold.



<b>Vacant Property</b>	<b>Town Classification</b>	<b>USDA Classification</b>
11.-1-5.1	Not Developable	Not Developable
11.-1-5.2	Not Developable	Not Developable
11.-1-10.212	Not Developable	Not Developable
11.-1-10.221	Not Developable	Not Developable
11.-1-13.2	Not Developable	Developable
11.-1-26.12	Not Developable	Not Developable
11.-1-74	Not Developable	Developable
11.-1-76	Not Developable	Not Developable
11.-1-77.1	Not Developable	Not Developable
12.-1-10.111	Not Developable	Not Developable
12.-1-10.113	Not Developable	Not Developable
12.-1-10.2	Not Developable	Developable
12.-1-14.2	Not Developable	Not Developable
12.-1-15	Not Developable	Not Developable
12.-1-17	Not Developable	Not Developable
12.-1-18.2	Not Developable	Not Developable
12.-1-2.12	Not Developable	Not Developable
12.-1-21.112	Not Developable	Not Developable
12.-1-21.121	Not Developable	Not Developable
12.-1-22	Not Developable	Not Developable
12.-1-23.113	Not Developable	Not Developable
12.-1-25.111	Not Developable	Not Developable
12.-1-28.2	Not Developable	Developable
12.-1-29.1	Not Developable	Developable
12.-1-30	Not Developable	Developable
12.-1-31.111	Not Developable	Not Developable
12.-1-31.12	Not Developable	Not Developable
12.-1-32	Not Developable	Not Developable
12.-1-36.11	Not Developable	Developable
12.-1-37.11	Not Developable	Not Developable
12.-1-40.111	Not Developable	Not Developable
12.-1-40.112	Not Developable	Not Developable
12.-1-41.1	Not Developable	Not Developable
12.-1-7.2	Not Developable	Developable
12.-1-8	Not Developable	Developable
12.-1-9.2	Not Developable	Not Developable
15.-1-29	Not Developable	Developable
15.-1-32.1	Not Developable	Not Developable
15.-1-33	Not Developable	Not Developable
15.-1-36.11	Not Developable	Developable
15.-1-36.21	Not Developable	Not Developable
6.-1-13.1	Not Developable	Not Developable
6.-1-15	Not Developable	Developable
6.-1-18.1	Not Developable	Not Developable
6.-1-18.2	Not Developable	Not Developable
6.-1-20	Not Developable	Developable
6.-1-22.111	Not Developable	Not Developable
6.-1-22.2	Not Developable	Not Developable
6.-1-23.11	Not Developable	Not Developable

Vacant Property	Town Classification	USDA Classification
6.-1-24	Not Developable	Developable
6.-1-25.123	Not Developable	Not Developable
6.-1-34	Not Developable	Not Developable
6.-1-35.2	Not Developable	Developable
6.-1-35.3	Not Developable	Developable
6.-1-38.2	Not Developable	Developable
6.-1-39.11	Not Developable	Not Developable
6.-1-44	Not Developable	Developable
6.-1-48.2	Not Developable	Not Developable
6.-1-52	Not Developable	Not Developable
6.-1-53	Not Developable	Not Developable
6.-1-54.11	Not Developable	Not Developable
6.-1-54.121	Not Developable	Not Developable
6.-1-54.2	Not Developable	Developable
6.-1-56	Not Developable	Developable
6.-1-62.112	Not Developable	Developable
6.-1-62.121	Not Developable	Not Developable
6.-1-62.211	Not Developable	Developable
6.-1-62.22	Not Developable	Developable
6.-1-69.11	Not Developable	Developable
6.-1-69.12	Not Developable	Developable
6.-1-74	Not Developable	Not Developable
6.-1-75	Not Developable	Developable
6.-1-77	Not Developable	Not Developable
6.-1-79	Not Developable	Not Developable
6.-1-81.1	Not Developable	Developable
8.-1-17.1	Not Developable	Not Developable
8.-1-40.1	Not Developable	Not Developable
8.-1-40.2	Not Developable	Not Developable
8.-1-47	Not Developable	Developable
9.-1-10	Not Developable	Not Developable
9.-1-13.112	Not Developable	Not Developable
9.-1-14	Not Developable	Not Developable
9.-1-16.1	Not Developable	Not Developable
9.-1-2.113	Not Developable	Developable
9.-1-20	Not Developable	Not Developable
9.-1-22.112	Not Developable	Not Developable
9.-1-22.12	Not Developable	Not Developable
9.-1-26	Not Developable	Not Developable
9.-1-27.21	Not Developable	Developable
9.-1-28.11	Not Developable	Not Developable
9.-1-28.21	Not Developable	Developable
9.-1-30.12	Not Developable	Not Developable
9.-1-35	Not Developable	Not Developable
9.-1-40.1	Not Developable	Developable
9.-1-5.11	Not Developable	Not Developable
9.-1-5.2	Not Developable	Not Developable

## VII. Annual Operating Budget

### A. Proposed Water District No. 7 Unit Costs

The estimated average water district unit costs for the proposed Town of Alexander Water District No. 7 are as follows:

Capital Project Cost	\$17,536,000
Rural Development Grant	\$13,152,000
Total Debt	\$4,384,000
Annual Debt Service (38 years, 2.25%)	\$172,850
Annual Debt Service/Unit (186 units)	\$939.00
Average Annual Water Cost/Unit (\$6.48/1,000 gallons @ 60,000 gal. /year)	\$389.00
<b>Total Estimated Average Unit Cost</b>	<b>\$1,328 per year</b>

### B. Other Costs

Service line	\$ 12-24/LF
Well abandonment or separation	\$ 200-600

## VIII. Miscellaneous Information

### A. Options for property owner's well.

1. Abandon the well.
2. Keep well but separate it from public water plumbing.
3. Keep well and install backflow prevention.

### B. Service line information

1. A service line (up to the right-of-way line) will be installed to all residents.
2. There will be no future hook up charge for those that do not connect right away.

### C. Optional Water District Enhancements with Remaining Funds

1. Upsize water main diameters to allow for future growth of the water system and maintain above average fire flows.
2. Extend water mains to the District Boundaries and through road intersections.
3. Installation of automatic flushing units in place of manual 2-inch blow-offs.

4. Consideration will also be given to meter reading improvements, computer hardware/software upgrades to maximize the efficiency of the operation and maintenance of the proposed Water District.
5. Purchase of replacement parts (hydrants, valves, water main, fittings and repair materials.)
6. Purchase of survey equipment for creating accurate as-built drawings to better manage and maintain the proposed Water District.
7. Purchase of Operation & Maintenance equipment.
8. Reimburse a portion of the costs of the water service installation between the Right-of-Way and house for the residents of the Water District, if installation difficulties are encountered, such as rock or high water.
9. Reimburse the costs of Town Water Service inspection fees.
10. Provide a connection to the Village of Attica along Genesee Street. This will provide another water source to the Town of Alexander or Village of Attica in the event of an emergency. A master meter would be installed at the connection.

**D. Public Information Meeting**

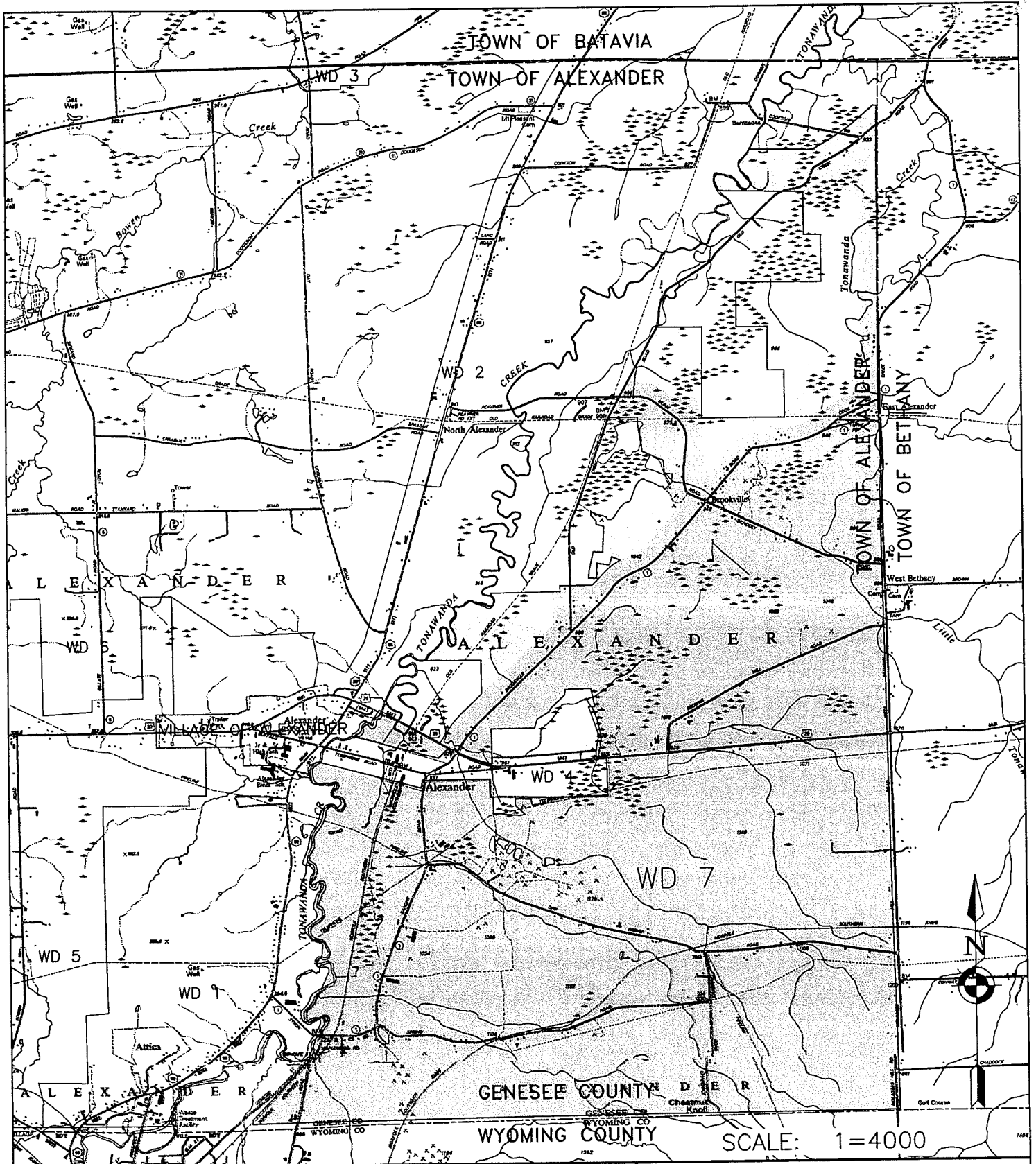
1. An informational meeting was presented to the proposed Water District No. 7 residents on March 9, 2023. A sample of the handout is shown in Appendix I. An estimated 70 attendees from the proposed water district area were present for the informational meeting.

## **IX. Conclusions**

The Town of Alexander is committed to providing safe and reliable potable water supply and fire protection to the residents in the project area. This project will be instrumental in achieving that goal.

**Figure 1**

**Project Location Map**



REVISIONS	
DATE	COMMENTS

TOWN OF ALEXANDER  
WATER DISTRICT NO. 7

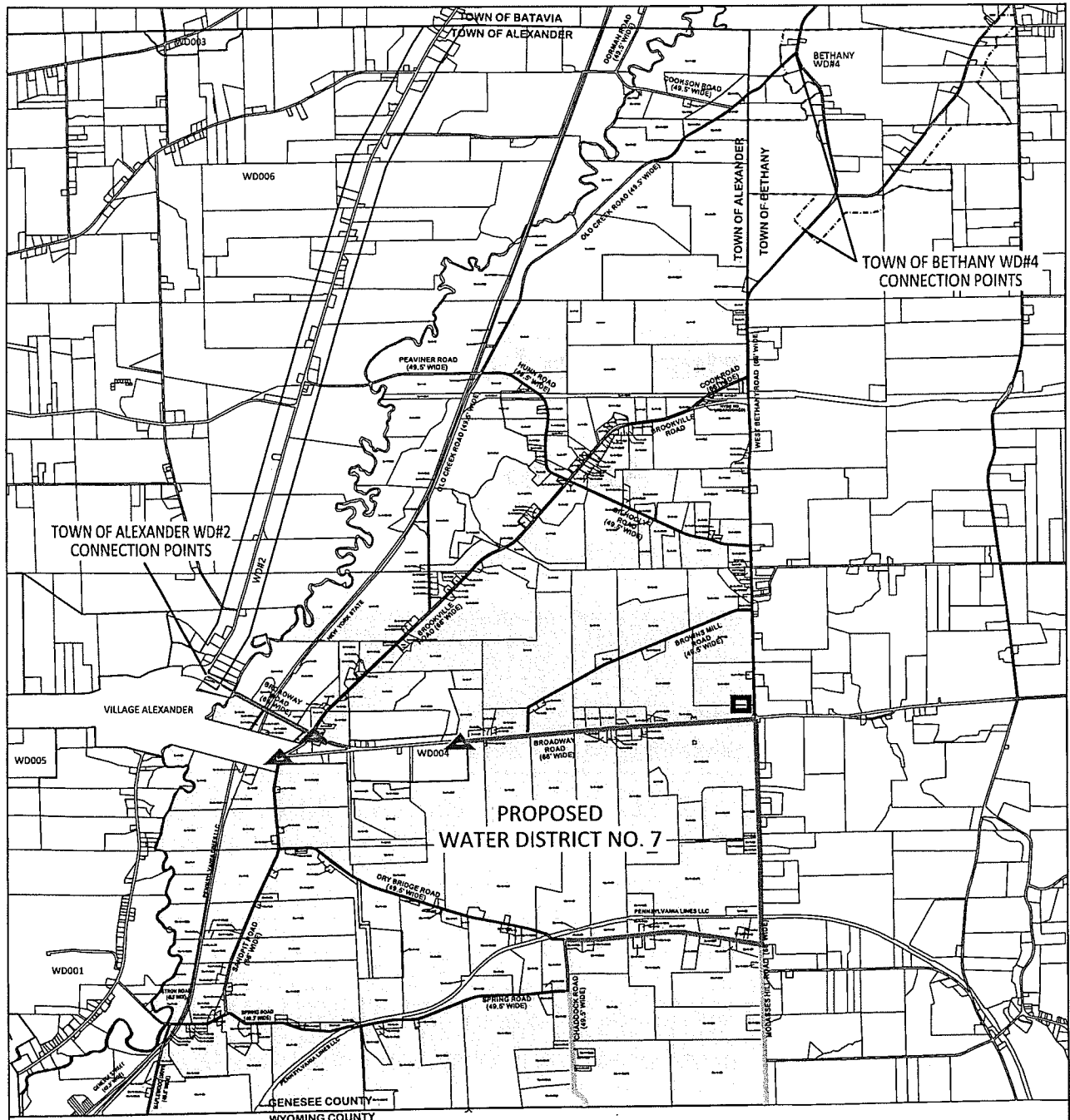
LOCATION MAP

FIGURE NO. 1

**Figure 2**

**Water Main Location Map**

**Alternative 3**



**PROPOSED WATER DISTRICT NO. 7**

**LEGEND**

- PROPOSED WATER MAIN 8"
- PROPOSED WATER MAIN 12"
- PROPOSED BOOSTER WATER MAIN
- PROPOSED BOOSTER PUMP STATION
- PROPOSED CONNECTION TO EXISTING WATER MAIN

TOWN OF ALEXANDER PROPOSED DISTRICT NO. 7 MAP  
ALTERNATE NO. 3  
CONNECTION TO THE TOWN OF ALEXANDER WATER DISTRICT  
NO. 2 AND TOWN OF BETHANY WATER DISTRICT NO. 4

SCALE 1=3000

FIGURE NO. 2

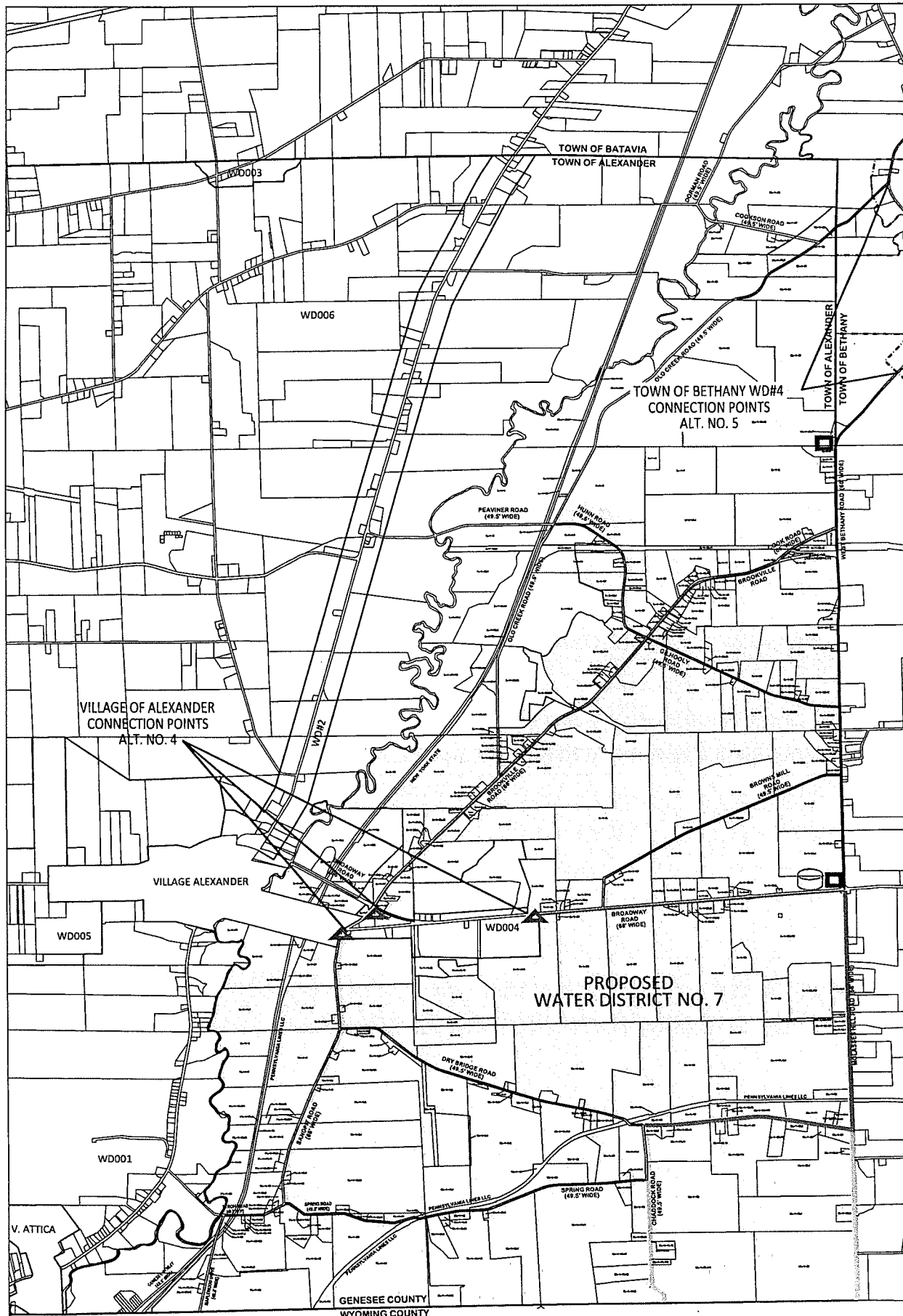




**Figure 3**

**Water Main Location Map**

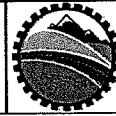
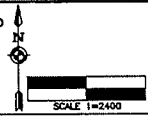
**Alternatives 4 and 5**



**LEGEND**

- PROPOSED WATER MAIN 8"
- PROPOSED WATER MAIN 12"
- PROPOSED BOOSTER WATER MAIN
- PROPOSED BOOSTER PUMP STATION
- PROPOSED CONNECTION TO EXISTING WATER MAIN
- PROPOSED WATER STORAGE TANK

TOWN OF ALEXANDER PROPOSED DISTRICT NO. 7 MAP  
 ALTERNATE NOS. 4 AND 5  
 CONNECTION ALTERNATIVE  
 VILLAGE OF ALEXANDER CONNECTION ALTERNATIVE  
 TOWN OF BETHANY CONNECTION ALTERNATIVE



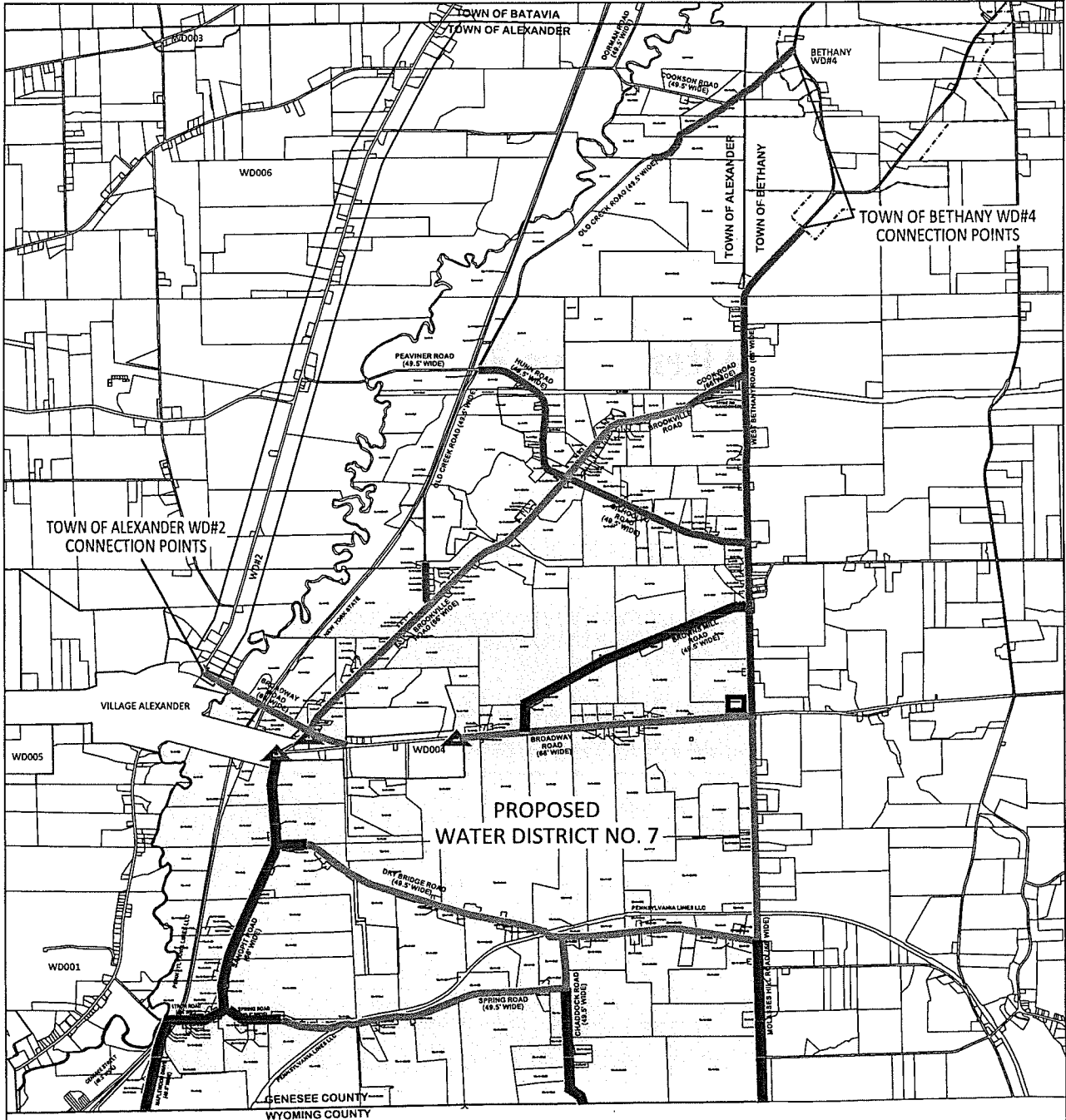
**Mountain Engineering, PLLC**  
 2140 S. 10th Street, Suite 100  
 Lincoln, NE 68502  
 Phone: 402.478.1234  
 Fax: 402.478.1235  
 www.mountaineng.com

FIGURE NO. 3

**Figure 4**

**Water Main Location Map**

**Alternative 3 - Phasing**

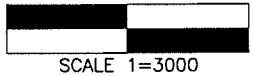


**PHASING LEGEND**



PHASE 1  
PHASE 2  
PHASE 3

TOWN OF ALEXANDER PROPOSED DISTRICT NO. 7 MAP  
ALTERNATE NO. 3  
CONNECTION TO THE TOWN OF ALEXANDER WATER DISTRICT  
NO. 2 AND TOWN OF BETHANY WATER DISTRICT NO. 4



SCALE 1=3000



FIGURE NO. 4

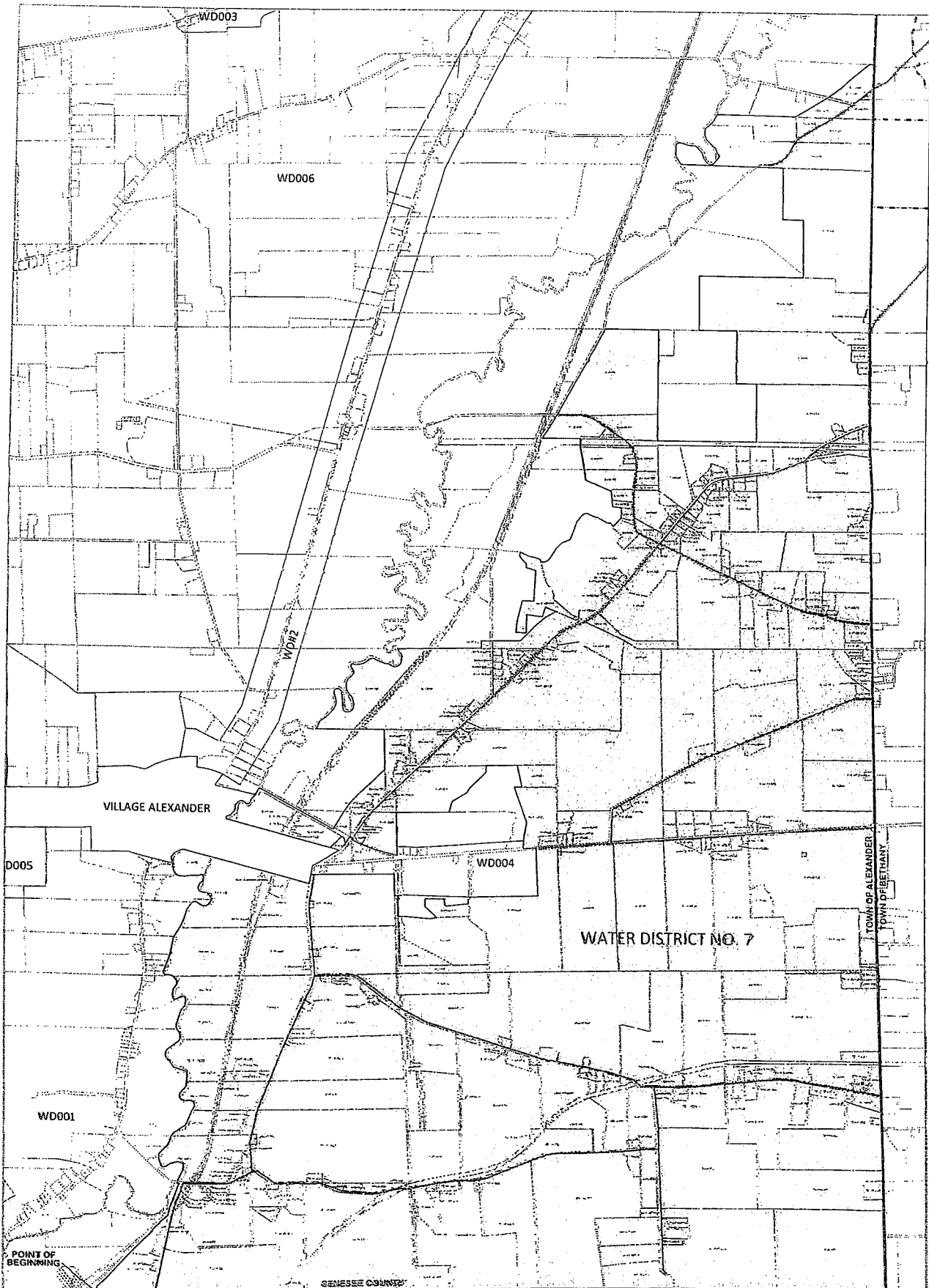


**Mountain Engineering, PLLC**  
771-241-1111  
1000 S. 10th Street, Suite 100  
Casper, WY 82401  
www.mountaineng.com

## **Appendix A**

### **Proposed Town of Alexander Water District No. 7**

#### **Map & Description**



**LEGEND**  
 ——— PROPOSED WATER MAIN

**TOWN OF ALEXANDER PROPOSED DISTRICT NO. 7 MAP**



**Mountain Engineering PLLC**  
 1000 Mountain View Drive  
 Asheville, NC 28804  
 Phone: 828.252.1111  
 Fax: 828.252.1112  
 www.mountaineng.com

## TOWN OF ALEXANDER PROPOSED WATER DISTRICT NO. 7

The boundary of the Proposed Town of Alexander, Proposed Water District No. 7 includes all that tract or parcel of land situated in the Town of Alexander, County of Genesee, State of New York, described as follows:

Beginning at a point, westerly property line Tax Parcel 11.-1-26.11, the intersection of the shared Genesee County and Wyoming County Line; thence,

1. Northerly, along the westerly line of Tax Parcel 11.-1-26.11, 2,708 feet, more or less; to centerline of Maplewood Drive 49.5' wide right of way; thence,
2. Northerly, along the centerline of Maplewood Drive 49.5' wide right of way, 900 feet, more or less; to the intersection of centerline of Stroh Road 49.5' wide right of way; thence,
3. Westerly along the centerline of Stroh Road, 46 feet, more or less; to the intersection centerline of Tonawanda Creek; thence,
4. Northerly along the centerline of Tonawanda Creek, 11,991 feet, more or less; to the intersection of the Village of Alexander and Town Alexander Municipal Boundary; thence,
5. Easterly, along the shared municipal line, 4,002 feet more or less; to the intersection of Town of Alexander Water District No. 4; thence,
6. Easterly, along the Town of Alexander Water District No. 4, 2,615 feet, more or less; to the intersection of the easterly line of Tax Parcel 9.-1-43; thence,
7. Southerly along Tax Parcels 9.-1-43, 9.-1-42, 9.-1-41 and 9.-1-44.11, 3,497 feet, more or less; to intersection of Town of Alexander Water District No. 4; thence,
8. Easterly, along Town of Alexander Water District No. 4 3,442 feet, more or less; to intersection of Tax Parcel 9.-1-47.2; thence,
9. Northerly, along Tax Parcels 9.-1-47.2, 9.-1-7, 9.-1-5.11, 9.-1-6.1 and 8.-1-29.1 6,660 feet, more or less; to the intersection of Town of Alexander Water District No. 4; thence,
10. Westerly, along Town of Alexander Water District No. 4 2,367 feet, more or less; to intersection shared municipal line of Village of Alexander and Town of Alexander; thence,
11. Westerly, along the shared municipal line, 3,858 feet, more or less; to the intersection of the centerline of Tonawanda Creek; thence,
12. Northerly, along the centerline of the Tonawanda Creek, 195 feet, more or less; to the intersection centerline of Broadway Road; thence,
13. Easterly, along the centerline of Broadway Road, 66' wide right of way, 2,117 feet, more or less; to perpendicular intersection of Tax Parcel 8.-1-28; thence,
14. Northerly along Tax Parcels 8.-1-28, 8.-1-17.1, 8.-1-23.11, 8.-1-18, 8.-1-82, 8.-1-79.1 and 8.-1-18, 4,680 feet, more or less; to centerline intersection of Tonawanda Creek; thence,
15. Northerly along the centerline of Tonawanda Creek, 5,166 feet, more or less; to the intersection of Tax Parcel 8.-1-18; thence,
16. Easterly along Tax Parcels 8.-1-18, 8.-1-79.1, 8.-1-82 and 6.-1-63.2, 2,524 feet, more or less; to intersection of centerline of Old Creek Road 49.5' right of way; thence,

17. Easterly along Tax Parcels 6.-1-62.22, 6.-1-62.211, 6.-1-62.114, 6.-1-60, 6.-1-81.1, 6.-1-59, 6.-1-78.2, 6.-1-78.1, 6.-1-77, 6.-1-66, 6.-1-69.12, 6.-1-69.11 and 6.-1-4.1, 13,676 feet, more or less; to intersection of centerline of Hunn Road 49.5' right of way; thence,
18. Northerly from centerline of Hunn Road 49.5' right of way along Tax Parcels 6.-1-5, 6.-1-54.11, 6.-1-69.11, 6.-1-13.1, 6.-1-8, 15.-1-36.21, 15.-1-35, 15.-1-34, across Old Creek Road 49.5' right of way and 15.-1-33, 23,013 feet more or less; to intersection of Tonawanda Creek; thence,
19. Northerly, along the centerline of the Tonawanda Creek, 3,317 feet, more or less; to the intersection of Tax Parcel 15.-1-32.1; thence,
20. Easterly, along Tax Parcels 15.-1-32.1, 15.-1-32.2, 15.-1-28, across Cookson Road 49.5' right of way and 15.-1-27 4,313 feet, more or less, to the northeasterly Town of Alexander Municipal Line; thence,
21. Southerly along the northeasterly Town of Alexander and Bethany shared municipal line, 30,412 feet, more or less; to the southeasterly Town of Alexander Municipal Line; thence,
22. Westerly along the southerly Town of Alexander municipal line, 19,663 feet, more or less; to the point of beginning.

All as shown on a map prepared by the Mountain Engineering entitled, "Proposed Town of Alexander Water District No. 7 dated 7/2023. The Town of Alexander, Proposed Water District No. 7, as described above, contains approximately 7,353 acres of land.



## **Appendix B**

### **Opinion of Probable Cost - Alternatives**

TOWN OF ALEXANDER  
 PROPOSED ALEXANDER WATER DISTRICT NO. 7  
 OPINION OF PROBABLE COST  
 PUBLIC WELL SUPPLY

Alternative No. 2  
 4/28/2023

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
W-0a	Pumping	LS	1	\$750,000	\$750,000
W-0b	Sedimentation	LS	1	\$400,000	\$400,000
W-0c	Filtration	LS	1	\$350,000	\$350,000
W-0d	Disinfection	LS	1	\$250,000	\$250,000
W-00	Water Treatment Plant	LS	1	\$1,500,000	\$1,500,000
W-1a	Furnish and Install 2-Inch Diameter PVC Water Main Complete	LF	8,300	\$48.40	\$401,720
W-1b	Furnish and Install 8-Inch Diameter PVC Water Main Complete	LF	89,930	\$63.50	\$5,710,650
W-1c	Furnish and Install 12-Inch Diameter PVC Water Main Complete	LF	19,940	\$88.00	\$1,754,720
W-2a	Directional Drill with 8-Inch Diameter Water Main (HDPE)	LF	0	\$142.50	\$0
W-2b	Directional Drill with 12-Inch Diameter Water Main (HDPE)	LF	6,850	\$212.50	\$1,455,625
W-3a	Boring with 8-inch Dia. HDPE DR-11 Water Main Carrier with 12-inch Dia. HDPE DR-11 Casing Pipe Complete	LF	70	\$385.00	\$26,950
W-3b	Boring with 8-inch Dia. DR-18 PVC Water Main Carrier with 16-inch Dia. Steel Casing Pipe Complete	LF	140	\$660.00	\$92,400
W-4a	Furnish and Install 2-Inch In-Line Gate Valves Complete	EA	7	\$1,815.00	\$12,554
W-4b	Furnish and Install 8-Inch In-Line Gate Valves Complete	EA	76	\$2,953.59	\$224,473
W-4c	Furnish and Install 12-Inch In-Line Gate Valves Complete	EA	23	\$4,225.00	\$97,175
W-5a	8-Inch Dry Connections to Existing Water Mains Complete	EA	3	\$4,331.25	\$12,994
W-5b	12-Inch Dry Connections to Existing Water Main Complete	EA	1	\$4,500.00	\$4,500
W-6a	Wet Connection to Existing Water Main with 8-Inch Tapping Sleeve and Valve	EA	1	\$9,000.00	\$9,000
W-7	Furnish and Install Hydrant Assemblies Complete	EA	195	\$6,979.30	\$1,358,521
W-8	Furnish and Install New Short Side Water Service	EA	90	\$2,554.53	\$229,908
W-9	Furnish and Install New Long Side Water Service	EA	89	\$2,763.83	\$245,981
W-10	PRV Vaults	EA	2	\$46,933.33	\$93,867
W-11	Master Meter Pit	EA	4	\$55,125.00	\$220,500
W-12	Booster Pump Station	EA	1	\$750,000.00	\$750,000
W-13	Small Booster Pump Stations	EA	1	\$72,600.00	\$72,600
W-14	Water Storage Tank	EA	2	\$1,000,000.00	\$2,000,000
W-15	Rock Excavation	CY	1,190	\$85.00	\$101,150
W-16	Compaction	LS	2	\$10,000.00	\$20,000
W-17	Allowance	LS	1	\$50,000.00	\$50,000
W-18	Maintenance and Protection of Traffic Including Signs and Flagperson Meeting NYSDOT Requirements	LS	1	3% of sum W-1-W-17	\$383,224
W-19	Mobilization	LS	1	3% of sum W-1-W-17	\$383,224

SUBTOTAL = \$18,961,735  
 CONTINGENCY (10%) = \$1,896,173  
 CONSTRUCTION SUBTOTAL = \$20,857,908  
 LEGAL & ADMINISTRATION (4%) = \$834,316  
 ENGINEERING (5%) = \$1,042,895  
 CONSTRUCTION ADMINISTRATION AND OBSERVATION (7%) = \$1,460,054  
 TOTAL = \$24,195,173  
 TOTAL ESTIMATED CAPITAL COST \$24,195,000  
 RURAL DEVELOPMENT GRANT (75%) \$18,150,000  
 LOAN \$6,045,000  
 LOAN TERM (years) 38  
 INTEREST RATE 2.250%  
 DEBT SERVICE \$238,339  
 NUMBER OF UNITS 184  
 ANNUAL DEBT SERVICE PER UNIT \$1,295  
 ESTIMATED ANNUAL WATER COST (\$6.48/1,000 gallons, 60,000 gallons/year) \$389  
 ESTIMATED TOTAL ANNUAL UNIT COST \$1,684

TOWN OF ALEXANDER  
PROPOSED WATER DISTRICT NO. 7  
OPINION OF PROBABLE COST  
NEW WATER DISTRIBUTION SYSTEM

Connection to Alternative No. 3 - Town of Alexander Water District No. 2 and Town of Bethany Water District No. 4

04/28/23

ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
W-1a	Furnish and Install 2-Inch Diameter PVC Water Main Complete	LF	8,300	\$48.40	\$401,720
W-1b	Furnish and Install 8-Inch Diameter PVC Water Main Complete	LF	89,930	\$63.25	\$5,687,941
W-12c	Furnish and Install 12-Inch Diameter PVC Water Main Complete	LF	19,940	\$88.00	\$1,754,720
W-2a	Directional Drill with 8-Inch Diameter Water Main (HDPE)	LF	0	\$142.50	\$0
W-2b	Directional Drill with 12-Inch Diameter Water Main (HDPE)	LF	6,850	\$212.50	\$1,455,625
W-3a	Boring with 8-inch Dia. HDPE DR-11 Water Main Carrier with 12-inch Dia. HDPE DR-11 Casing Pipe Complete	LF	70	\$385.00	\$26,950
W-3b	Boring with 8-inch Dia. DR-18 PVC Water Main Carrier with 16-inch Dia. Steel Casing Pipe Complete	LF	140	\$660.00	\$92,400
W-4a	Furnish and Install 2-Inch In-Line Gate Valves Complete	EA	7	\$1,815.00	\$12,705
W-4b	Furnish and Install 8-Inch In-Line Gate Valves Complete	EA	76	\$2,941.22	\$223,533
W-4c	Furnish and Install 12-Inch In-Line Gate Valves Complete	EA	23	\$4,225.00	\$97,175
W-5a	8-Inch Dry Connections to Existing Water Mains Complete	EA	3	\$4,262.50	\$12,788
W-5b	12-Inch Dry Connections to Existing Water Main Complete	EA	1	\$4,500.00	\$4,500
W-6a	Wet Connection to Existing Water Main with 12-Inch Tapping Sleeve and Valve	EA	1	\$9,000.00	\$9,000
W-7	Furnish and Install Hydrant Assemblies Complete	EA	195	\$6,952.67	\$1,355,770
W-8	Furnish and Install New Short Side Water Service	EA	90	\$2,538.35	\$228,451
W-9	Furnish and Install New Long Side Water Service	EA	89	\$2,748.02	\$244,574
W-10	PRV Vaults	EA	2	\$40,000.00	\$80,000
W-11	Master Meter Pit	EA	4	\$55,125.00	\$220,500
W-12	Booster Pump Station No. 1	EA	1	\$750,000.00	\$750,000
W-13	Small Booster Stations	EA	2	\$72,600.00	\$145,200
W-14	Rock Excavation	CY	1,190	\$85.00	\$101,150
W-15	Compaction	LS	1	\$10,000.00	\$10,000
W-16	Allowance	LS	1	\$50,000.00	\$50,000
W-17	Maintenance and Protection of Traffic Including Signs and Flagperson Meeting NYSDOT Requirements	LS	1	3% of sum W-1;W-16	\$388,941
W-18	Mobilization	LS	1	3% of sum W-1;W-16	\$388,941

SUBTOTAL =	\$13,742,583
CONTINGENCY (10%) =	<u>\$1,374,258</u>
CONSTRUCTION SUBTOTAL =	\$15,116,842
LEGAL & ADMINISTRATION (4%) =	\$604,674
ENGINEERING (5%) =	\$755,842
CONSTRUCTION ADMINISTRATION AND OBSERVATION (7%) =	\$1,058,179
TOTAL =	\$17,535,536
TOTAL ESTIMATED CAPITAL COST	\$17,536,000
REQUIRED GRANTS (BEST CASE)	\$13,152,000
LOAN	\$4,384,000
LOAN TERM (years)	38
INTEREST RATE	2.250%
DEBT SERVICE	\$172,850
NUMBER OF UNITS	184
ANNUAL DEBT SERVICE PER UNIT	\$939
ESTIMATED ANNUAL WATER COST (\$6.48/1,000 gallons, 60,000 gallons/year)	\$389
<b>ESTIMATED TOTAL ANNUAL UNIT COST</b>	<b>\$1,328</b>

TOWN OF ALEXANDER  
 PROPOSED WATER DISTRICT NO. 7  
 OPINION OF PROBABLE COST  
 NEW WATER DISTRIBUTION SYSTEM

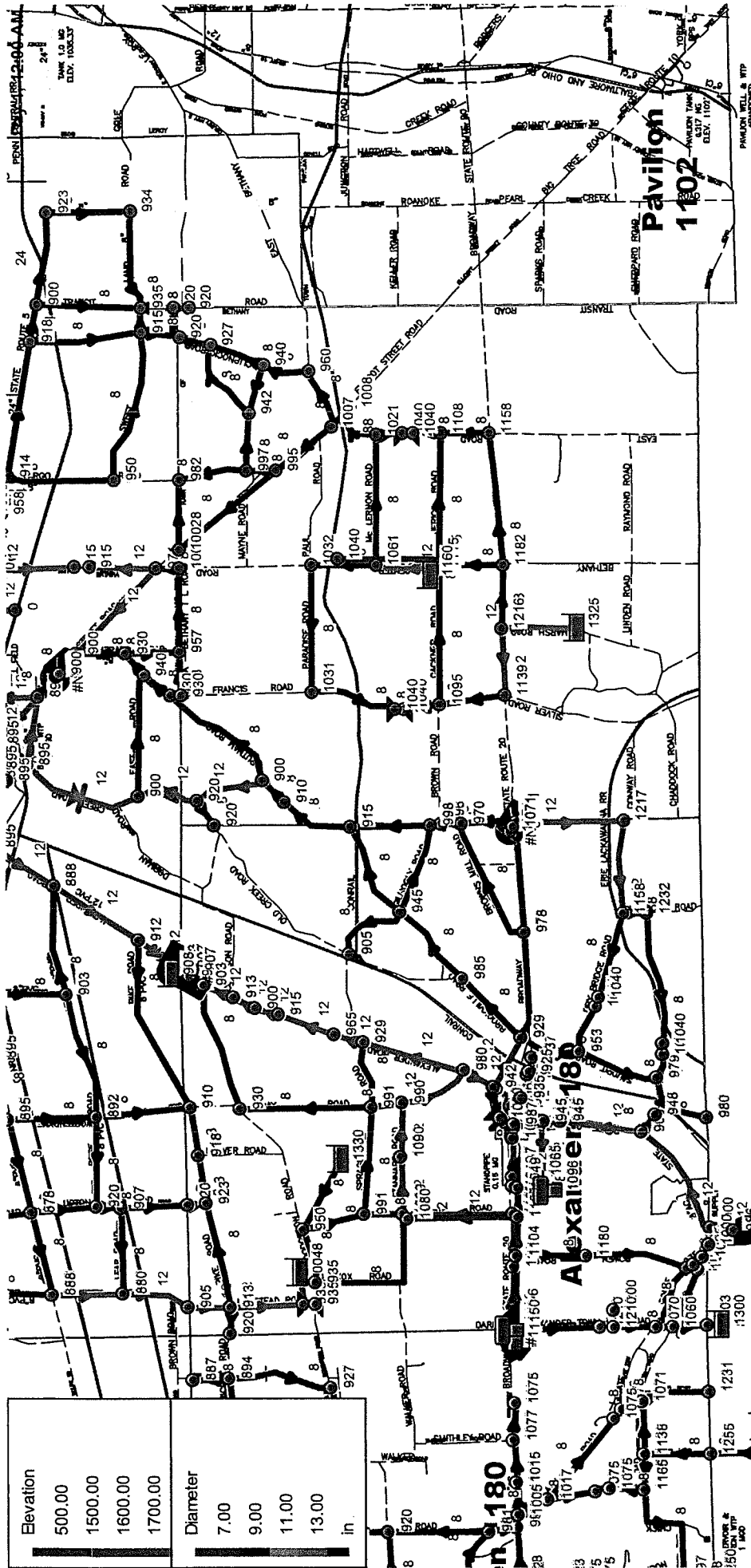
Alternative Nos. 4 and 5 - Village of Alexander and Town of Bethany Connection Alternative

04/28/23

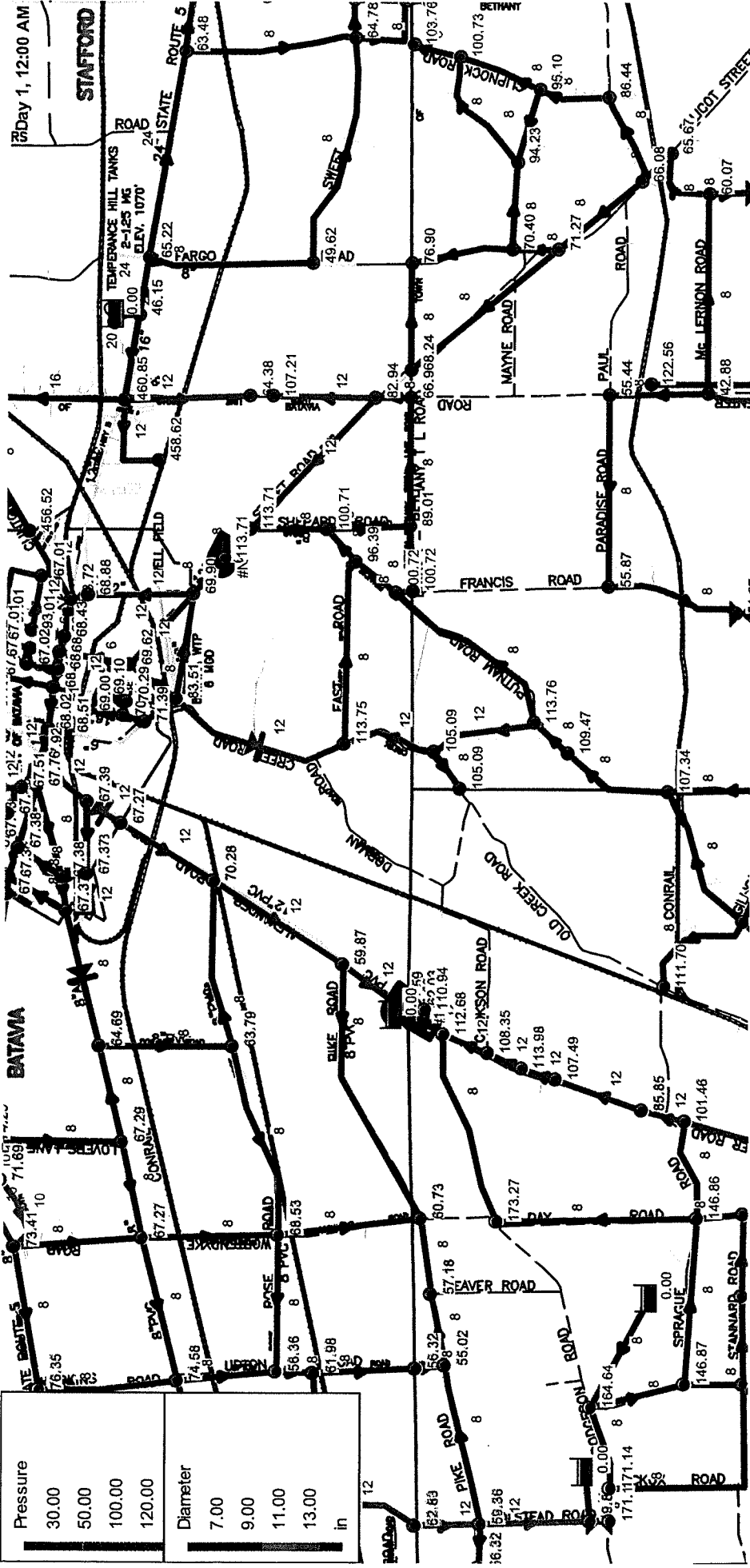
ITEM	DESCRIPTION	UNIT	ESTIMATED QUANTITY	ESTIMATED UNIT PRICE	ESTIMATED TOTAL
W-1a	Furnish and Install 2-Inch Diameter PVC Water Main Complete	LF	8,300	\$48.40	\$401,720
W-1b	Furnish and Install 8-Inch Diameter PVC Water Main Complete	LF	89,930	\$63.50	\$5,710,650
W-1c	Furnish and Install 12-Inch Diameter PVC Water Main Complete	LF	19,940	\$88.00	\$1,754,720
W-2a	Directional Drill with 8-Inch Diameter Water Main (HDPE)	LF	0	\$142.50	\$0
W-2b	Directional Drill with 12-Inch Diameter Water Main (HDPE)	LF	6,850	\$212.50	\$1,455,625
W-3a	Boring with 8-inch Dia. HDPE DR-11 Water Main Carrier with 12-inch Dia. HDPE DR-11 Casing Pipe Complete	LF	70	\$385.00	\$26,950
W-3b	Boring with 8-inch Dia. DR-18 PVC Water Main Carrier with 16-inch Dia. Steel Casing Pipe Complete	LF	140	\$660.00	\$92,400
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W-5a	8-Inch Dry Connections to Existing Water Mains Complete	EA	3	\$4,331.25	\$12,994
W-5b	12-Inch Dry Connections to Existing Water Main Complete	EA	1	\$4,500.00	\$4,500
W-6a	Wet Connection to Existing Water Main with 8-Inch Tapping Sleeve and Valve	EA	1	\$9,000.00	\$9,000
W-7	Furnish and Install Hydrant Assemblies Complete	EA	195	\$6,979.30	\$1,358,521
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W-9	Furnish and Install New Long Side Water Service	EA	89	\$2,763.83	\$245,981
W-10	PRV Vaults	EA	2	\$46,933.33	\$93,867
W-11	Master Meter Pit	EA	4	\$55,125.00	\$220,500
W-12a	Booster Pump Station	EA	1	\$750,000.00	\$750,000
W-13	Small Booster Pump Stations	EA	2	\$72,600.00	\$145,200
W-14	Water Storage Tank	EA	1	\$1,000,000.00	\$1,000,000
W-15	Rock Excavation	CY	1,190	\$85.00	\$101,150
W-16	Compaction	LS	2	\$10,000.00	\$20,000
W-17	Allowance	LS	1	\$50,000.00	\$50,000
W-18	Maintenance and Protection of Traffic Including Signs and Flagperson Meeting NYSDOT Requirements	LS	1	3% of sum W-1:W-17	\$408,485
W-19	Mobilization	LS	1	3% of sum W-1:W-17	\$408,485

SUBTOTAL = \$14,834,856  
 CONTINGENCY (10%) = \$1,483,486  
 CONSTRUCTION SUBTOTAL = \$16,318,342  
 LEGAL & ADMINISTRATION (4%) = \$652,734  
 ENGINEERING (5%) = \$815,917  
 CONSTRUCTION ADMINISTRATION AND OBSERVATION (7%) = \$1,142,284  
 TOTAL = \$18,929,277  
 TOTAL ESTIMATED CAPITAL COST \$18,929,000  
 RURAL DEVELOPMENT GRANT (75%) \$14,197,000  
 LOAN \$4,732,000  
 LOAN TERM (years) 38  
 INTEREST RATE 2.250%  
 DEBT SERVICE \$186,571  
 NUMBER OF UNITS 184  
 ANNUAL DEBT SERVICE PER UNIT \$1,014  
 ESTIMATED ANNUAL WATER COST (\$6.48/1,000 gallons, 60,000 gallons/year) \$389  
 ESTIMATED TOTAL ANNUAL UNIT COST \$1,403

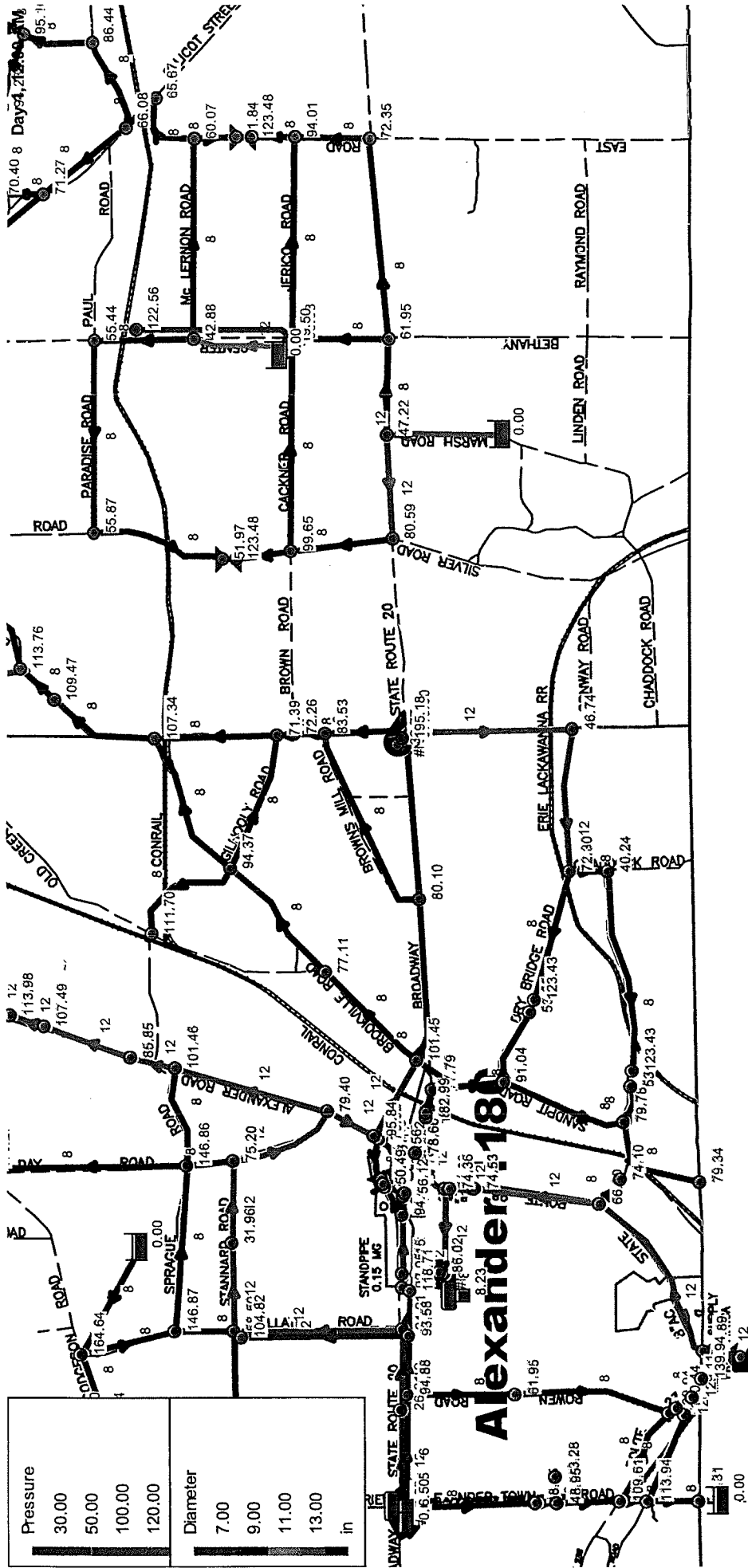
**Appendix C**  
**Water System Models**



WD No. 7 ELEVATIONS



WD NO. 7 AVERAGE DAY DEMAND (1 OF 2)



Pressure	Diameter
30.00	7.00
50.00	9.00
100.00	11.00
120.00	13.00

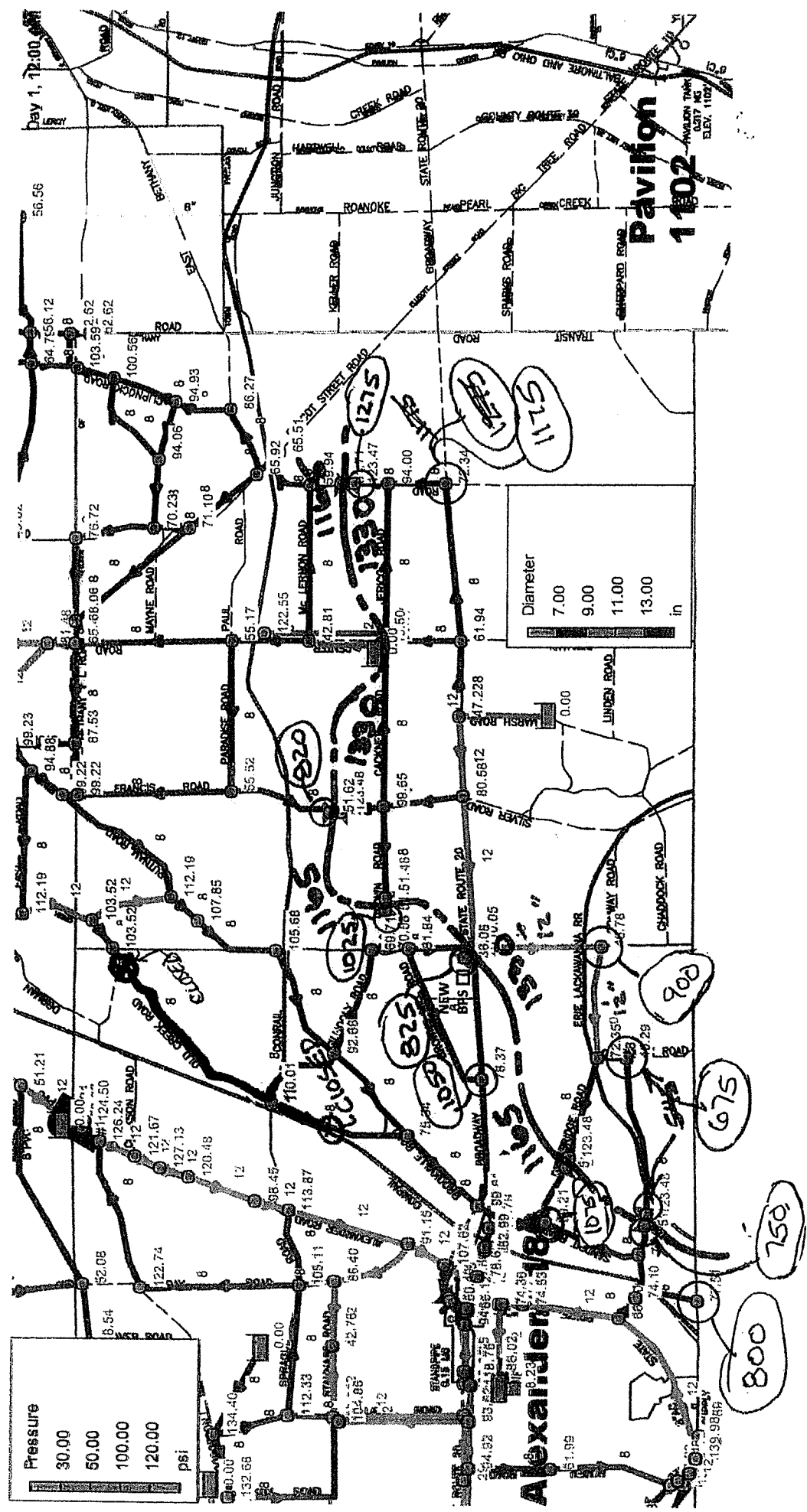
in

WD NO. 7 AVERAGE DAY DEMAND (2 OF 2)



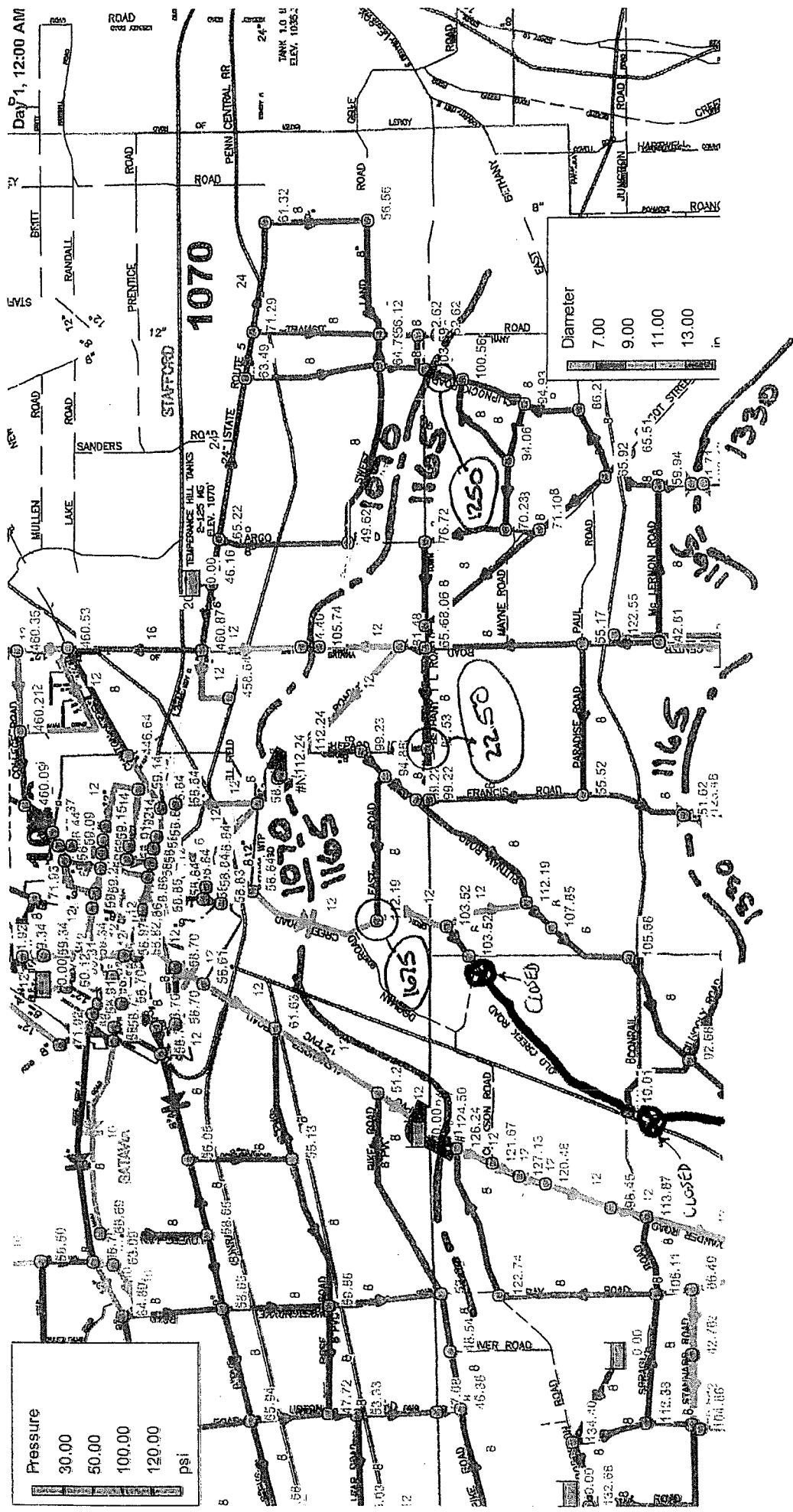
REVISED 1/19/23

ZONE BOUNDARY ! FIRE FLOW @ 20 PSI



1105 — ZONE BOUNDARY  
 1330 (1040' CONTOUR +/-)  
 1275  
 1750  
 800

REVISED 1/9/23



**Appendix D**

**Unit Definitions**

## Water District No. 7 Benefit Basis Unit Definition

All parcels within Water District No. 7 which are assessed units, will only be charged an administrative charge of \$10.00/year until such time that the parcel has access to the public water system.

Each single-family residential dwelling shall be considered one unit. Included in this category will be single-family houses, mobile homes, and manufactured homes. Multiple single-family dwellings on the same parcel of land will each be considered an individual unit. Each additional livable area for apartments, duplexes, triplexes, etc. will be assessed 0.5 units for each additional livable area above the base unit of one. Seasonal or non-continuous occupancy will not be taken into consideration when determining what constitutes a unit. Any facility will be considered as a minimum of one unit.

Existing residential dwellings currently supplied by the Village of Attica water system will be assessed 1/3 of the units as determined above.

Residential dwellings in the new water district supplied water by booster pump lines, but without fire protection, will be assessed 1/2 of the units as determined above.

All vacant land currently in a certified agricultural district is exempt and will not be assessed.

All parcels of vacant land which are developable will each be assessed 0.1 units.

All vacant parcels that are classified as "not developable," as set forth in this Map, Plan, and Report, shall be assessed the sum of Ten and No More Dollars (\$10.00 and No More), per year.

Non-residential, recreational, educational, commercial and industrial and agricultural facilities will be assigned an equivalent number of units based on the greater of the two methods as follows:

1. The average daily usage divided by 300 gpd  
(Average Daily Usage  $\div$  300 = number of units).
2. Expected average daily usage (based on type of facility) divided by 300 gpd. Type of facility and expected flow rates (gals/day) are listed below.

### **Exceptions:**

- a. Agricultural Facilities will be assessed one fifth (1/5) of the number of units determined by method 1 or 2, but only if connected to system.
- b. Other users that do not fit within these definitions will be assessed as determined by the Town Board, ie seasonal facilities.

Type of Facility	Flow Rate Per Person (Gals./day)	Flow Rate Per Unit (Gals./day)
<b>Campgrounds (Recreational Vehicle - Per site)</b>		
Sewered sites		100
Central Facilities		
Served Sites, 300' Radius		100
Peripheral Sites, 500' Radius		75
Subtractions from above		
No Showers		25
Dual Service (Central Facilities and Sewered facilities overlapping the central)		25
<b>Campgrounds (Summer Camp)</b>		
Central Facilities	50	
Separate Facilities		
Toilet	10	
Shower	25	
Kitchen	10	
<b>Camps, Day</b>	13	
Add for lunch	3	
Add for showers	5	
<b>Carwash, assuming no recycle</b>		
Tunnel, Per Car		80
Rollover, per Car		40
Handwash, per 5 minutes cycle		20
<b>Churches - Per seat</b>		3
(With Catering - add food service value)		
<b>Clubs</b>		
Country		
Per Resident Member		75
Per Non-Resident Member		25
<b>Factories</b>		
Per person/shift	25	
Add for showers	10	
<b>Food Service Operations (Per Seat)</b>		
Ordinary Restaurant		35
24-Hour Restaurant		50
Restaurant along Freeway		70
Tavern (little food service)		20
Curb service (Drive-in per car)		50
Catering, or Banquet Facilities	20	
<b>Hair Dresser</b>		
Per Station		170
<b>Hospitals</b>		
Per bed		175
<b>Hotels</b>		
Per Room		120
add for banquet Facilities,		

<b>Type of Facility</b>	<b>Flow Rate Per Person (Gals./day)</b>	<b>Flow Rate Per Unit (Gals./day)</b>
Theatre, night club, as applicable		
<b>Institutions (other than hospitals)</b>		
Per person	125	
<b>Laundromats</b>		
(Per machine)		580
<b>Motels</b>		
Per Living Unit		100
with Kitchen		150
<b>Office Building (per use)</b>		
Per Employee	15	
Per Square Foot		0.1
Dentist - Per chair/day		750
<b>Parks (per picnicker)</b>		
Restrooms only	5	
Showers and Restroom	10	
<b>Service Stations</b>		
Per toilet (not including car wash)		400
<b>Shopping Centers</b>		
(Per sq. ft. -food extra)		0.1
Per Employee	15	
Per Toilet		400

(1) Derived from Table 3. "Expected Hydraulic Loading Rates", Design Standards for Wastewater Treatment Works Intermediate Size Sewage Facilities 1988.

**Appendix E**

**GENESEE COUNTY HEALTH DEPARTMENT**

**LETTER DATED August 11, 2022**



Paul A. Petit, MSL, CPH  
Public Health Director

GENESEE COUNTY HEALTH DEPARTMENT  
3837 West Main Street Rd.  
Batavia, NY 14020  
(585) 344-2580 x5555

August 11, 2022

Mark E. Wright, P.E.  
Project Engineer  
Mountain Engineering, PLLC  
23 Jackson Street, Suite 201  
Batavia, NY 14020

RE: Town of Alexander, Genesee County, New York, Proposed Water District (WD) No. 7

Dear Mr. Wright:

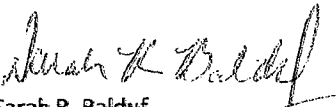
On behalf of the Town of Alexander, we do hereby express our support for the proposed construction of Water District No. 7, along Telephone, Sandpit, Brookville, Hunn, Creek, Bethany Townline, Gilhooly, Old Creek, Peaviner, Broadway, Railroad Ave, Stroh, Browns Mill, Molasses Hill, Rt 20, Dry Bridge, Spring, Maplewood, Genesee Street, Chaddock, and Cookson Roads in the Town of Alexander. This project is needed because its primary purpose is to address a public health deficiency. The proposed construction of a new Water District is critical to the public health and safety of area residents because the approximate 214 households in the district are on private wells and without any reliable water supply and have inadequate fire protection. Creation of this Water District will also provide future development opportunities for generations to come.

In addition, there is no public sewage collection system and/or treatment system in the Proposed Water District; consequently, residents must rely on onsite wastewater treatment systems (OWTS) for the disposal of sanitary waste. The maintenance and operation of these systems is not monitored by any regulatory authority after initial installation. The contamination of these private wells exists; particularly in areas where the density of homes, private wells and OWTS utilized overlap one another. This contamination is documented in the historical records of results of water samples collected by the Genesee County Health Department.

Several neighboring water districts are in close proximity and may be highly representative of the characteristics of private water wells in Water District No. 7, including soil types, age and type of residences, and high potential for improper well construction and separation distances. Water quality samples have been taken in these adjoining water districts, including Bethany WD No. 4, Alexander WD No. 2, and Alexander WD No. 5, which have routinely tested positive for coliform and/or E.coli bacteria. The testing in these adjoining water districts revealed that the water quality of the wells that tested positive for total coliform and/or E.coli do not meet the standards for potable water as set forth in Section 5-1 of the New York State Sanitary Code and therefore represent a threat to public health. A similar level of contamination is projected in proposed Water District No. 7.

We appreciate your consideration of the Town of Alexander, Water District No. 7 proposal in this funding process, and offer any assistance that your office and staff may require. The construction of a public water system to serve the Town of Alexander, Proposed Water District No. 7, will eliminate the problem and health threat to the residents of the proposed service area. If you should have any questions or require additional information, please do not hesitate to contact me.

Very truly yours,

  
Sarah R. Balduf  
Environmental Health Director



**Appendix F**

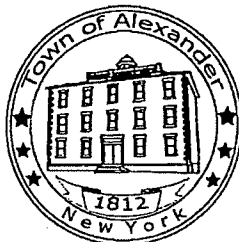
**TOWN OF ALEXANDER  
CORRESPONDENCE**

**LETTER DATED May 3, 2023**

# TOWN OF ALEXANDER

Supervisor  
David Miller

Councilmen  
Roy Haller, III  
Laura Schmieder  
Eric Wagner  
Thomas Sanfratello



Highway Superintendent  
Tom Lowe

Town Clerk  
Shannon Tiede

May 3, 2023

Alexander, NY 14005

RE: PROPOSED WATER DISTRICT NO. 7 PROJECT

Dear Supervisor Miller:

As you may know New York State has established minimum standards for the design and construction of private, on-site water systems (IWS). These standards are contained in the New York State Sanitary Code (SSC) and Building Code. Residential Code subsection P2602.1.1 requires IWS wells be located and constructed according to New York State Department Sanitary Code, 10NYCRR Appendix 5-B Standards for Water Wells. Wells that do not meet these standards pose a significant risk for public health. In addition, IWSs are also to meet standards for potable water supply set forth in SSC Subpart 5-1, Section 5-1.52.

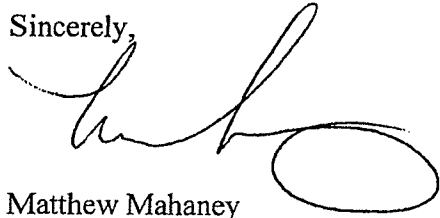
I have reviewed the proposed Water District No. 7 water project area, and based on my findings, I was able to determine that some properties in the proposed service area do not meet these standards. As documented by me in the enclosed list, some properties distributed throughout the proposed project have wells that have run dry. These owners must truck in water or buy bottled water. One owner recently had a new well drilled with no guarantee it will continue to work. As the regulatory entity for these supplies, I can say they do not meet the NYS Sanitary Code. The primary purpose of the proposed project is to construct new water mains and a pump station required to allow these homes to be supplied with drinking water meeting applicable health or sanitary standards. The completion of the project will alleviate the existing health or sanitary problem.

Should you have any questions on this information, please contact me.

3350 Church Street P.O. Box 248 Alexander NY 14005  
585-591-2455  
Visit us at [WWW.TOWNOFALEXANDER.COM](http://WWW.TOWNOFALEXANDER.COM)

The Town of Alexander is an equal opportunity provider and employer. To file a complaint of discrimination, write: USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410, or call (800) 795-3272 (voice) or (202) 720-6382 (TDD).

Sincerely,



Matthew Mahaney

Residents who have run out of water or experienced seasonal/sporadic issues in their wells:

Lindsay and Christopher Summers, 3868 Dry Bridge Road, Alexander, NY

Rebecca and Joseph Hoak, 3810 Dry Bridge Road, Alexander, NY

Eric and Krista Wagner, 4280 Dry Bridge Road, Alexander, NY

Madison Simmons, 4349 Dry Bridge Road, Alexander, NY

Charlie Woodruff, 4290 Dry Bridge Road, Alexander, NY

Richard and Ketsy Jablonski, 10718 Molasses Hill Road, Alexander, NY

3350 Church Street P.O. Box 248 Alexander NY 14005  
585-591-2455

Visit us at [WWW.TOWNOFALEXANDER.COM](http://WWW.TOWNOFALEXANDER.COM)

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**Appendix G**

**TOWN BOARD MEETING MINUTES**

**August 8, 2022**

**August 8, 2022**

**Alexander Town Board Regular Meeting**

**Town Hall**

**7:00pm**

Present: Supervisor David Miller  
Town Board: Laura Schmieder, Roy Haller III, Eric Wagner  
Town Clerk: Shannon Tiede  
Highway Super't: Thomas Lowe  
Absent: Thomas Sanfratello  
Guests: Brandon Snyder, Rebecca and Joseph Hoak, Letha Kruetter, Jake Koch, Lindsay Summers, Emeraldgene Haase, Tom Vandenbosch

Supervisor Miller called the meeting to order at 7:00pm with the Pledge of Allegiance and a moment of silence for first responders and our military serving around the world.

On motion by Councilperson Haller, seconded by Councilperson Schmieder, and carried, the minutes of the July 11, 2022, regular meeting were adopted with the discussed changes and additions.

4- Yes Miller, Schmieder, Haller, Wagner                      0 - No

**\*\*Lindsay Summers addressed the board. She is an Alexander resident who lives on Drybridge Road. On July 15, 2022, the well on her property went dry overnight. Since that day they have been without well water. Her husband hooked up a holding tank system so they could do the basic necessities and they have been doing laundry at a laundry mat. They have very generous neighbors around the corner who are allowing them to get water from them. The holding tank solution is only temporary due to winter weather conditions. They have had a new well drilled at 80ft, but they are still waiting for it to be hooked up and the company will give them no guarantee it will continue to work. She believes their well has gone dry due to the exploratory digging and water gathering by Frey's. Rebecca and Joseph Hoak also spoke to the board about the same issue. They are neighbors of the Summer's and their well went dry about 24 hours later. They are unable to dig a new well due to the lay out of their property. They are both asking the board if there is anything they could do to help. Steve Mountain suggested having them contact Rural Development and the Board told them to contact the DEC which they stated they have already done. The Town plans to look at the permit and make sure Frey's is digging within the boundary of their mining permit.**

**\*\*Jake Koch and Brandon Snyder addressed the board about the road conditions on Bowen Road. Jake Koch brought pictures of the road and the condition of it along with pictures of other town roads to compare. He and Brandon Snyder are concerned with the deteriorating conditions of the road and why it isn't a priority to get it taken care of. Superintendent Lowe advised that it is scheduled to be oil and stoned in 2023. Jake Koch questioned whether oil and stone would fix the deteriorating shoulders and was told it would not. Councilperson Wagner asked why paving was done on Day and Goodman Roads before the Water Project started. He mentioned it was in the amount of \$90,000+ and was going to get torn up with the water project beginning. Superintendent Lowe stated that it is on him, he forgot the water project would be going through. Brandon Snyder spoke about contacting the Town and the State about two potholes at the end of Bowen Road near Route 20. The state came out and fixed one due to being in a gray area but did not fix the other saying it was Town responsibility. Superintendent Lowe is**

going to look into what can be done this year for Bowen Road. He will put something together for the board within a week or two.

**Old Business:**

1. **Water District #6:** Sergi started and has done approx. 2000ft down Day Road. Randsco will start around November of this year.
2. **Water District #7:** Income surveys are still being worked on. Grasso is almost at the percentage needed.

*\*On motion by Councilperson Schmieder and seconded by Councilperson Haller and carried the board moved to go into executive session to discuss the land purchases for the water tank for Water District 6 at 8:25pm.*

*\*On motion by Councilperson Schmieder and seconded by Councilperson Wagner and carried the board moved to close their executive session at 8:46pm.*

**New Business:**

**RES. NO. 71: WATER TANK LAND PURCHASE**

On motion by Councilperson Schmieder and seconded by Councilperson Haller and carried the Town Board moves to contact the Town Attorney to prepare purchase offers for the purchase of two parcels of land for the water tank(s) for Water District 6.

4- Yes Miller, Schmieder, Haller, Wagner                      0- No

**RES. NO. 72: MODIFICATION TO RESOLUTION #69**

Resolution number 69 of 2022 states that the board approves the quote from Burriss Cleaners in the amount of \$375 for Town Hall carpet cleaning. After that resolution was passed the company reached out to the Town Clerk due to forgetting to charge for the stairs. On motion by Supervisor Miller and seconded by Councilperson Schmieder the board moves to modify that resolution to add the stairs for an additional \$60 giving a revised quote of \$435.00.

3- Yes Miller, Schmieder, Haller                                      1- No Wagner

**RES. NO. 73: ADDITION TO SEXUAL HARASSMENT POLICY**

On motion by Councilperson Schmieder and seconded by Councilperson Haller and carried the board approves adding the phone number of 1-800-427-2773 to the town sexual harassment policy. The number is to obtain free legal counseling for any complain of sexual harassment in the workplace.

4- Yes Miller, Schmieder, Haller, Wagner                      0- No

**RES. NO. 74: BUDGET TRANSFER**

**WHEREAS** B 1910.4 Special Items-Unallocated Insurance is over budget by \$68.90 and

**WHEREAS** B 1990.4 Special Items-Contingent has sufficient funds

**THEREFORE, BE IT RESOLVED THAT** B 1910.4 be increased by \$69.00 and B 1990.4 be decreased by \$69.00

Motion made by Supervisor Miller and seconded by Councilperson Haller and carried.

4- Yes Miller, Schmieder, Haller, Wagner

0- No

**DISCUSSION:**

1. Superintendent Lowe advised the board that the state reached out about the Town mowing Route 98 and Route 20 within the town limits twice a year. They offered \$350 per center line mile and are looking for a start date to be in 2023. Tom is going to look more into it for the September meeting.
2. The town was presented with a Minor land use action exception agreement by the Genesee County planning board. The clerk is going to send the agreement to the Planning and Zoning board chairpersons and see how they feel about it and discuss it again at the September meeting.
3. Town Hall- The clerk advised the board that there have been problems with the women's bathroom toilet and the Court side exterior door. Clerk will call a plumber to take a look at the toilet issue and the Supervisor will make some phone calls about the door. Supervisor Miller also will be donating soil to fix the ground next to the Town Hall parking lot.
4. Golden Coin- The board agreed for the clerk to contact Golden Coin and get a price to start back up the rug rental services they used to provide us that stopped due to covid in 2020.
5. Budget Workshop- Scheduled for August 29 at 6pm. The clerk will advertise.
6. Cleaner Position- Annemarie Loranty has put in her resignation effective August 20, 2022. The town plans to seek out a new cleaner. The clerk is going to reach out to board members in the town to see if anyone is interested.
7. The Grant for the Comprehensive Plan has been submitted. Could be 2023 before we will be informed if we will receive the money.
8. Councilperson Wagner asked the board members if they received his email with pictures and price of a used truck and mentioned substantial cost savings.
9. Councilperson Schmieder brought up the properties in the Town which are in violation of code. The code enforcement officer will update the board about these properties in his monthly report.
10. Councilperson Wagner brought up looking into the idea of making a budget line for the Hometown Hero's Banners for forklift rentals. Supervisor Miller has Superintendent Lowe looking into a basket for the new loader.
11. Supervisor Miller suggested to the Board that they reach out to the school and the Fire Dept about possibly using their signs to announce special meetings. Superintendent Lowe said the Fire Department would be willing to allow the town to use the sign as long as it doesn't conflict with times they will be using it.

**Reports:**

**Insurance:** No report

**Building:** Bob Young came 7/15 trimmed up bushes and cleaned up gardens

**CEO/ZEO:** No report

**Clerk:** No report

**Tax Collector:** No report

**Dog Control:** No report

**Games of Chance:** No report

**Town Justice:** Report submitted to the board.

**Financial:** Sent to the board members

**GAM:** No August meeting

**H'way Superint:** did some shoulder work. Working on 2<sup>nd</sup> round of mowing.

**H'way Equip:** No report

**Senior Citizen:** No report

**Town Historian:** No report

**Payment of Bills:            Motion by: Supervisor Miller            Second by: Councilperson Haller**

**Carried 4-0**

General Fund A	Vouchers	163-187	16,637.78
General Fund B	Vouchers	25-27	645.85
Highway Fund A	Vouchers		
Highway Fund B	Vouchers	81-92	114,904.82
Capital Fund	Vouchers	36-40	8,745.46

Motion to adjourn at 9:52pm made by Supervisor Miller and seconded by Councilperson Haller and carried. 4-0

Respectfully Submitted,

Shannon Tiede, Town Clerk



**Appendix H**

**PETITION FOR WATER (INFORMAL)**

**October 2020**

# WATER DISTRICT # 7 Petition

Last Name	First Name	Address	Assessed	Yes	No
Norton	Roberta	4309 Gilhooly Rd		X	
Norton		4309 Gilhooly Rd		X	
Franclemont	Richard	4227 Gilhooly Rd		X	
Franclemont	Sharon	4227 Gilhooly Rd		X	
Kelley	Dan	4169 Gilhooly Rd		X	
Buckenmeyer	Adam	4170 Gilhooly Rd		X	
Falcone	Nicholas	4224 Gilhooly Rd		X	
Gilhooly	Marjorie	4314 Gilhooly Rd		X	
Raines	Kevin	4233 Gilhooly Rd			X
Loranty	Christine	4221 Gilhooly Rd			X
Loranty	Steve	4225 Gilhooly Rd			X
Dart	Elaine	4112 Gilhooly Rd			X
Cecere	Jeff	4236 Gilhooly Rd			X
Heale	Julie	4214 Gilhooly Rd			X
Cecere	Helen	4214 Gilhooly Rd			X
Cecere	Jill	4236 Gilhooly Rd			X
Spring	Barbara	11000 Chaddock Rd		X	
Kreutter	Letha	4250 Spring Rd		X	
Spring	Dale	4033 Spring Rd		X	
Spring	Brenda	4033 Spring Rd		X	
Spring	Daniel	11000 Chaddock Rd		X	
Hise	Margaret	4034 Spring Rd		X	
Pohl	Timothy	3981 Spring Rd		X	
Wright	Teresa	3812 Spring Rd		X	
Basso	Marie	3610 Drybridge Rd		X	
Basso	Timothy	3610 Drybridge Rd		X	
Summers	Chris	3868 Drybridge Rd		X	
Earsing	Chuck	3934 Drybridge Rd		X	
Kelsey	Michelle	3959 Drybridge Rd		X	
Kelsey		3959 Drybridge Rd		X	
Morrison	Rick	3964 Drybridge Rd		X	
Morrison	Annette	3964 Drybridge Rd		X	
McCormick	Dan	3581 Spring Rd		X	
Merle	Julie	10655 Molasses Hill Rd		X	
DeVoe	Gary	10725 Molasses Hill Rd		X	
Dills	Brian	4359 Drybridge Rd		X	
Morrison	Jessica	10934 Molasses Hill Rd		X	
Snyder	James	11028 Molasses Hill Rd		X	
Green	Nancy	10972 Molasses Hill Rd		X	
Ferguson	Kendall	4126 Drybridge Rd		X	
Mower	Lisa	4193 Drybridge Rd		X	
Bittner	Margie	4192 Drybridge Rd		X	
Lyons	Laurie	4144 Drybridge Rd		X	

Summers	Lindsay	3868 Drybridge Rd		X	
Walton	Bruce	3846 Drybridge Rd		X	
Mohn	Lee	4335 Drybridge Rd		X	
Hoak	Rebecca	3810 Drybridge Rd		X	
Mistler	Kenneth	10782 Molasses Hill Rd		X	
Mistler	Andrea	10782 Molasses Hill Rd		X	
Morrison	Patrick	10934 Molasses Hill Rd		X	
Morrison	Jessica	10934 Molasses Hill Rd		X	
Morse	Patrick	10838 Molasses Hill Rd		X	
Morse	Adrienne	10838 Molasses Hill Rd		X	X
Jablonski	Ketsy	10718 Molasses Hill Rd		X	
Jablonski	Richard	10718 Molasses Hill Rd		X	
Wagner	Krista	4280 Drybridge Rd		X	
Morse	Frank	10788 Molasses Hill Rd			X
Gilhooly	Carol	10164 West Bethany Rd		X	
McNutt	Mark	10136 West Bethany Rd		X	
McNutt	Miranda	10136 West Bethany Rd		X	
Saile	Erin	10032 Creek Rd		X	
Kelsch	Carissa	10122 Brookville Rd		X	
Snyder	Stephanie	10131 Brookville Rd		X	
Burdett	R	10140 Brookville Rd		X	
Mager	Frank	10176 Brookville Rd		X	
Fountain	Andrew	4012 Hunn Rd		X	
Pastore	Kathy	3932 Hunn Rd		X	
Quinn	Cortini	10360 Brookville Rd		X	
Walsh	Jeff	10366 Brookville Rd		X	
Draves	Cedric	1055 Brookville Rd		X	
Bartz	Norma	10502 Brookville Rd		X	
Christensen	Jeff	10532 Brookville Rd		X	
Fuller	Roberta	4005 Hunn Rd			X
Keicher	Mark	3956 Hunn rd			X
Hirsch	Brian	10376 Brookville Rd			X
Myers	Paul	10448 Brookville Rd			X

4034 spring Road  
Alexander, NY 14005

Board Members- Town of Alexander  
3350 Church St.  
Alexander, NY 14005

Dear Town Board Members,

I am writing to ask the Town Board to consider the possibility of extending the water lines East of Route 98 in the Town of Alexander.

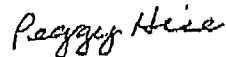
Since moving into our home we have had continued water low water volume problems. We went as far as having a second well drilled but, that did not relieve the situation. Along with the problem of low water volume, the little water we have is high in iron.

Two years ago I completely ran out of water due to the high algae levels in the well causing the well pump to fail. I ended up replacing the well pump and was told to pour bleach down the well monthly to prevent the algae from building up.

Having good clean abundant water would make living in Alexander even better.

Please consider extending the water lines to the rural areas of our town.

Sincerely,



Peggy Hise

10718 Molasses Hill Rd

Alexander, NY 14005

Town of Alexander Board Members

3350 Church

Alexander, N Y 14005

Dear Town of Alexander Board Members:

Thank you in advance for your consideration of this matter. We are very happy with the attention that each of you have provided for the residents of Alexander.

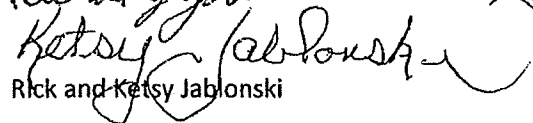
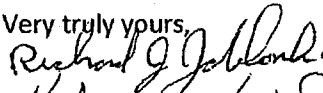
Our request would be for the Board to look into the ability to have the inclusion of Molasses Hill Rd. into the installation of Water Delivery to the East Side of Route 98. We believe that our home would be included with the following roads:

Creek Road, Cook Road, Dry Bridge Road, Gilholly Road, Strow Road, Chaddock Road,  
Browns Mill Road, Hunn Road, Spring Road, Brookville Road, Vernal Road, and Molasses  
Hill Road

Our well only produces 1.5 gallons/minute and sometimes goes dry. After testing it has shown impurities, which are not possible to correct because it does not produce enough water to backflush the present water system. The well does not provide the necessary amount of water for us to use the required "walk in tub" system we need due to our disabilities. We have had our well blasted with dynamite and redrilled, Neither of these actions helped. Also, as you know, wells are becoming obsolete due to farming practices with fertilizers etc.

Please do not hesitate to contact us if there is anything we can do to assist with this pursue. We look forward to hearing from you as soon as you are able to study this request.

Very truly yours,



Rick and Ketsy Jablonski

# Petition for Water

October 2020

The following homeowners residing in Alexander, NY along Brookville Rd, Brown Mills Rd, Chaddock Rd, Cook Rd, Creek Rd, Dry Bridge Rd, Gilhooly Rd, Hunn Rd, Maplewood Rd, Molasses Hill Rd, Route 20 Sandpit Rd, Spring Rd, Stroh Rd and West Bethany Rd petition the Town of Alexander for water service.

We, the residents of Alexander would like to have the opportunity to have safe, clean, abundant drinking water.

Signature	Name Printed	Street Address
<u>Carol Gilhooly</u>	<u>Carol Gilhooly</u>	<u>10164 West Bethany Road Batavia N.Y. 14020</u>
<u>Mark M. McArthur</u>	<u>Miranda Mark McArthur</u>	<u>10136 W Bethany Rd Batavia NY 14020</u>
<u>Erin Saile</u>	<u>Erin Saile</u>	<u>10032 Creek Rd. Batavia, NY 14020</u>
<u>Carissa Kelsch</u>	<u>Carissa Kelsch</u>	<u>10122 Brookville NY 14011</u>
<u>Stephanie Snyder</u>	<u>Stephanie Snyder</u>	<u>10131 Brookville Rd Alexander NY 14005</u>
<u>WAD</u>	<u>R BURDA</u>	<u>10170 Brookville</u>
<u>Frank Mager</u>	<u>FRANK MAGER</u>	<u>10176 Brookville</u>
<u>Andrew Fountain</u>	<u>Andrew Fountain</u>	<u>4012 Hunn Rd.</u>
<u>Kathy Pastore</u>	<u>Kathy Pastore</u>	<u>3932 Hunn Rd Alexander</u>
<u>Cathy Quinn</u>	<u>Cathy Quinn</u>	<u>10360 Brookville</u>
<u>Jeff Wash</u>	<u>JEFF WASH</u>	<u>10366 Brookville</u>
<u>Cedric</u>	<u>1055 Brookville Rd</u>	<u>Alexander</u>
<u>NORMA BARTZ</u>	<u>10507 Brookville Rd.</u>	<u>ALEXANDER</u>
<u>Jeff Christensen</u>	<u>10537 Brookville Rd</u>	<u>Alexander</u>

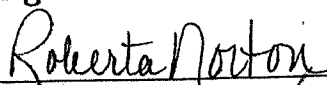
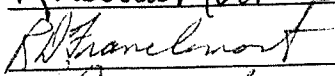
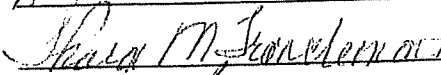
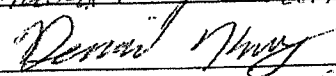
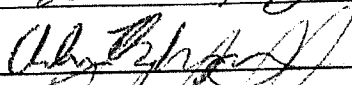
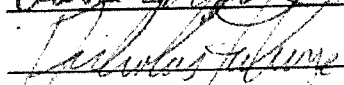
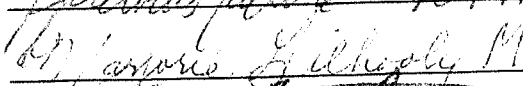
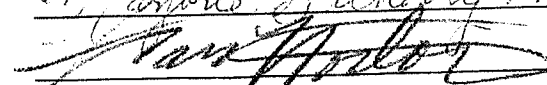


# Petition for Water

October 2020

The following homeowners residing in Alexander, NY along Brookville Rd, Brown Mills Rd, Chaddock Rd, Cook Rd, Creek Rd, Dry Bridge Rd, Gilhooly Rd, Hunn Rd, Maplewood Rd, Molasses Hill Rd, Route 20 Sandpit Rd, Spring Rd, Stroh Rd and West Bethany Rd petition the Town of Alexander for water service.

We, the residents of Alexander would like to have the opportunity to have safe, clean, abundant drinking water.

Signature	Name Printed	Street Address
	ROBERTA NORTON	4309 GILHOOLY RD.
	RICHARD FRANCLEMONT	4227 GILHOOLY RD
	Sharon Franclemont	43057 Gilhooly Rd.
	Dan Ketter	4169 Gilhooly rd.
	Adam Buchenmeyer	4170 Gilhooly Rd.
	Marjorie Gilhooly	4224 Gilhooly Rd
	Marjorie Gilhooly	4314 Gilhooly Rd
		4309 Gilhooly Rd





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We, the residents of Alexander would like to have the opportunity to have safe, clean, abundant drinking water.

Signature	Name Printed	Street Address
<i>Barbara A Spring</i>	BARBARA A. SPRING	<sup>11000</sup> Chaddock Rd
<i>Letha M Kreutter</i>	Letha M Kreutter	4250 Spring Rd
<i>Dale Spring</i>	DALE SPRING	4033 Spring Rd
<i>Brenda Spring</i>	Brenda Spring	4033 Spring Rd
<i>Daniel Spring</i>	Daniel Spring	11000 chaddock rd
<i>Margaret M. Hise</i>	Margaret M. Hise	4034 Spring Rd.
<i>Timothy S. Pohl</i>	Timothy S. Pohl	3781 Spring Rd.
<i>Louise Wright</i>	Louise Wright	3817 Spring Rd
<i>Marie Basso</i>	Marie Basso	3610 Drybridge Rd
<i>Timothy Basso</i>	Timothy Basso	3610 Drybridge Rd.
<i>Chris Sumner</i>	Chris Sumner	3865 Drybridge Rd.
<i>Chuck Farris</i>	Chuck Farris	3934 Drybridge Rd
<i>Michelle Kelsy</i>	Michelle Kelsy	3959 Dry Bridge Rd
<i>Ky Kelsy</i>		3959 Dry Bridge Rd





KRISTA WAGNER  
LEE m.

## Petition for Water

October 2020

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We, the residents of Alexander would like to have the opportunity to have safe, clean, abundant drinking water.

Signature	Name Printed	Street Address
<i>Jolie m...</i>	Jolie m...	10655 molasses Hill Alexander NY 14805
<i>Gary DeLoe</i>	Gary DeLoe	10725 " " "
<i>Ariel Fisher</i>	Ariel Fisher	10739 molasses Hill Rd.
<i>Brian Dills</i>	Brian Dills	4359 Dry Bridge Rd
<i>Jessica Morriss</i>	Jessica Morriss	10934 Molasses Hill Rd
<i>James J. Jordan</i>	James J. Jordan	11018 Molasses Hill Rd
<i>Nancy Green</i>	Nancy Green	10952 molasses Hill
<i>Kondall Ferguson</i>	Kondall Ferguson	4126 Dry Bridge Rd
<i>Lisa Mover</i>	Lisa Mover	4193 Dry Bridge Rd
<i>Mangie Bither</i>	Mangie Bither	4192 Dry Bridge Rd
<i>Laurie Lyons</i>	Laurie Lyons	4144 Drybridge Rd
<i>Jackson Summers</i>	Jackson Summers	3808 Dry Bridge Rd
<i>Bruce Walton</i>	Bruce Walton	3846 Dry Bridge Rd
<i>LEE m...</i>	LEE m...	4335 DRY BRIDGE RD
<i>Rebecca Heath</i>	Rebecca Heath	3810 Drybridge Rd.











## **Appendix I**

# **INFORMATIONAL MEETING HANDOUT**

Informational Meeting For

**PROPOSED  
TOWN OF ALEXANDER  
WATER DISTRICT NO. 7**

MARCH 9, 2023

1

**Introductions**

2

