Village of Dansville

14 Clara Barton Street
Dansville, New York 14437

PRELIMINARY ENGINEERING REPORT

for the

VILLAGE OF DANSVILLE WATER SYSTEM STUDY

March 2019

(Last Revised March 2020)

MRB Group Project No. 0410.18003.000

Prepared by:

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I. INITIATION

The Village of Dansville owns and operates the water system within the Village limits. The Village also has inter-municipal agreements with the Towns of North Dansville and West Sparta to supply water to Town water districts, as well as the operation and maintenance of the Districts' water distribution system and related appurtenances.

The Village of Dansville has recognized the need to upgrade the water system due to small diameter piping and an aging system, which in some cases is over 110 years old. The Village water system was recently noted in the 2018 Annual Inspection by the Livingston County Department of Health ("LCDOH") as having significant deficiencies including:

- Repair or replace a number of hydrants in the distribution system that are out of service.
- Inspect clear wells to determine extent of surface racks.
- Clean and coat the exterior of the Village's 1.4-million gallon water storage tank.
- Complete upgrades at Well houses.
- Update and calibrate HACH equipment at the water plant.
- Comply with administrative requirements relating to backflow protection and watershed protection.

In April 2018, The New York State Comptroller Office, Division of Local Government and School Accountability, issued the document, *Report of Examination Village of Dansville Water and Sewer Operations* (2017M-273). One of the document's key findings was that the Village of Dansville did not monitor losses in the water distribution system. The document went on to recommend that the Village investigate and correct the water loss due to leaks and to develop a multiyear financial plan for the water system.

This engineering report will form the basis of a Comprehensive Improvement Project to replace a significant portion of the aged/deficient system and further support the Village's application for a long-term low interest loan and/or grant to mitigate the economic impacts of the capital improvements for the residents of the Village.

II. PROJECT PLANNING

A. LOCATION

The project location can be generally defined as the water distribution system within the Village of Dansville corporate limits. While the water distribution system extends into water districts located in the Towns of Town of North Dansville and West Sparta, this PER is limited to the water system within the Village limits. The general geographic area for the project is shown on Figure II.1 and Appendix A.

B. ENVIRONMENTAL RESOURCE PRESENT

The project area is typical for a rural Village in nature consisting primarily of single-family homes and limited commercial buildings. A review of available mapping (Appendix A) indicates streams and water bodies are located within the Village limits however, it appears they are not affected by the proposed project.

Portions of the Village along Bradner Creek, Brewery Creek, Canaseraga Creek, Little Mill Creek and Mill Creek are located in a floodway, and designated 100-year and 500-year flood plains.

The project setting is typical of previously funded water improvement projects in terms of the environmental resources present, and the associated permits that will be necessary from the New York State Department of Environmental Conservation ("NYSDEC") and United States Army Corps of Engineers ("USACE"). There do not appear to be any environmental or cultural resources that will be prohibitive to the proposed project. All appropriate environmental and cultural resources will be investigated and documented as part of the required State Environmental Quality Review (SEQR) and National Environmental Policy Act (NEPA) reviews (as necessary), including historic and archaeological sites and critical species and habitats. Part 1 of the Full Environmental Assessment Form (FEAF) has been completed and attached in Appendix B.

Figure II.1: Project Overview Map

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WATER SYSTEM STUDY

VILLAGE OF DANSVILLE, LIVINGSTON CO., NY

FIGURE II.1 - PROJECT OVERVIEW MAP

WN_H_1 - 219.65 gpm
J516 - 220.18 gpm
J362 - 221.91 gpm
NC_H_1 - 225.74 gpm
J780 - 453.81 gpm
J674 - 225.88 gpm
J322 - 388.03 gpm
J226 - 234.8 gpm
J726 - 233.34 gpm
J220 - 381.25 gpm
CW_H_4 - 147.65 gpm
GA_H_1 - 233.34 gpm
J412 - 378.17 gpm
J222 - 380.28 gpm
J214 - 463.44 gpm
J416 - 463.66 gpm
J224 - 381.17 gpm
CW_H_1 - 379.27 gpm
J722 - 379.27 gpm
J216 - 429.91 gpm
J418 - 381.03 gpm

Legend

- Low System Pressure
- 1 Inch
- 2 Inch
- 3 Inch
- 4 Inch
- 6 Inch
- 8 Inch
- 10 Inch
- 12 Inch
- 16 Inch
- Town Water Mains
- Improvement

Drawn By: TJV	Scale: 1" = 1,000'	Date: MAR 2019

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C. POPULATION TRENDS

The table below summarizes population data available from the Genesee Finger Lakes Planning Council ("GFRPC") and the United States Census Bureau (Appendix D).

Table II.1: Population Trends

Year	2010	2017	2020	2030	2040	2050
GFRPC Estimate	4,719	4,463	4,753	4,723	4,697	4,673
Adjusted Estimate*		4,463	4,495	4,469	4,443	4,421

* Adjusted based on 2017 US Census Population Estimate.

The population of the Village of Dansville has been declining in recent years with the 2017 US Census estimate being lower than the GFRPC estimate for the years 2020 and beyond. The GFRPC projects a population decrease of 0.97% from 2010 to 2050. Population trends shown in the above table include an adjusted population estimate starting in 2017. The adjusted estimate starts with the 2017 US Census estimate and projects future populations utilizing the same change percentages anticipated by the GFRPC.

Village of Dansville supplies water districts in the Town of North Dansville and the Town of West Sparta. Table IV.2 summarizes the total population served by the Village of Dansville. Population estimates for North Dansville and West Sparta are based on the number of properties identified as residential property by the respective Town Assessors and the percent change in population projected by the GFRPC for each community.

Table II.2: Population Estimates

Community Served	2017	2050
Village of Dansville	4,463	4,421
Town of North Dansville	717	842
Town of West Sparta	49	54
Total Population Served	**5,223**	**5,317**

D. WATER DEMANDS

Presented in Table V.1 are existing and projected of water demands for year 2050. Projected production demand is based on a goal of reducing system losses to 10% over the planning period.

Review of water meter billing data, real property parcel classification codes, and parcel assessed values, identified several parcels with improvements within the Village of Dansville service area that have access to public water but do not currently have a water meter. These properties may be served from an adjacent structure, may be an abandoned property with the meter removed, or potentially are served by a private well. For purposes of this review, it is assumed that the population represented by these parcels is included in Table IV.2 and accounted for in the growth estimates.

Table II.3: Water Demands

Quantity (MG)	2017	2050
Production	174.3	133.2
Metered Sales		
Village of Dansville	99.7	98.7
North Dansville	18.2	21.6
West Sparta	0.7	0.8
Total Metered Sales	118.6	121.1
Unaccounted	55.6	12.1
	31.9%	10.0%

Unaccounted water listed in Table II.3 generally consists of water utilized for hydrant flow testing, fire demands, water main breaks, and system leakage. Review of the annul water quality reports for 2015, 2016 and 2017 show similar quantities. The water loss within the distribution system is greater than normally accepted by the LCDOH. It is anticipated that the amount of loss will decrease as improvements are made to the system thereby reducing the amount of water produced.

Another factor that can effect demand are water districts formed in North Dansville or West Sparta that provide water to existing facilities. Water districts will increase system demands

independent of population growth. Currently, there are no current long- range plans for any significant expansion of the water system.

E. Community Engagement

At such time that funding sources have been identified, the Village of Dansville will conduct a series of public information meetings so that users will have the opportunity to be informed about the program, ask questions, and provide feedback.

III. Existing Facilities

A. Location Map

The Village's primary source of supply is Little Mill Creek, which is supplied by the discharge from a 15-acre upland reservoir on Reservoir Road in the Town of Wayland. The reservoir is not directly connected to the Villages water treatment plant but is utilized to supplement flow to Little Mill Creek. A raw water intake on Little Mill Creek, off Sahrles Hill Road in North Dansville, supplies water to the treatment plant. The Village can also supplement flow to the plant from two wells on Perkinsville Road in the Town of Wayland.

Water flows through the water treatment plant to a storage tank at the plant site that provides system storage and pressure equalization.

A schematic layout of the existing water system facilities is shown in Figure III.1.

B. History

Built in 1945, the Dansville Reservoir serves as an impoundment that stores water and supplements flow to Little Mill Creek and is the primary source of supply for the Village of Dansville. Two wells were added in 1964 to supplement flow to the water treatment plant during periods of low flow in Little Mill Creek.

The existing water storage tank at water treatment plant was built in 1994.

The Villages original water treatment plant was replaced in the year 2000 with a packaged treatment system that provides clarification and filtration. In addition, the raw water intake on Sahrles Hill Road was updated in 2001.

C. Conditions of Existing Facilities

1. Water Supply

The Dansville Reservoir Dam is routinely inspected and maintained in accordance with NYSDEC requirements. Also routinely inspected and maintained by the Village is its raw water intake on Sahrles Hill Road.

In 2015, the Village initiated improvements at the wells to install variable frequency drives and valves to replace a failed pneumatic tank. The work on Well #1 is complete with the work on Well #2 and the needed valves at the water treatment plant planned in 2019.

2. Treatment Plant

LCDOH's 2018 Annual Inspection identified the need to inspect the clear wells at the water treatment plant in order to determine the extent of surface cracking observed on the covers and if they allow surface water into the treated water below. The Inspection also identified the need to update and calibrate the HACH equipment utilized within the plant.

An inspection of the backwash storage tank by the tank manufacturer in June 2016 determined that at the time the tank was in good condition and included recommendations to repair the seal at the junction of the interior tank wall and the floor area, and to touch up spots of glass imperfection on the first ring of the tank.

Figure III.1: Location Map

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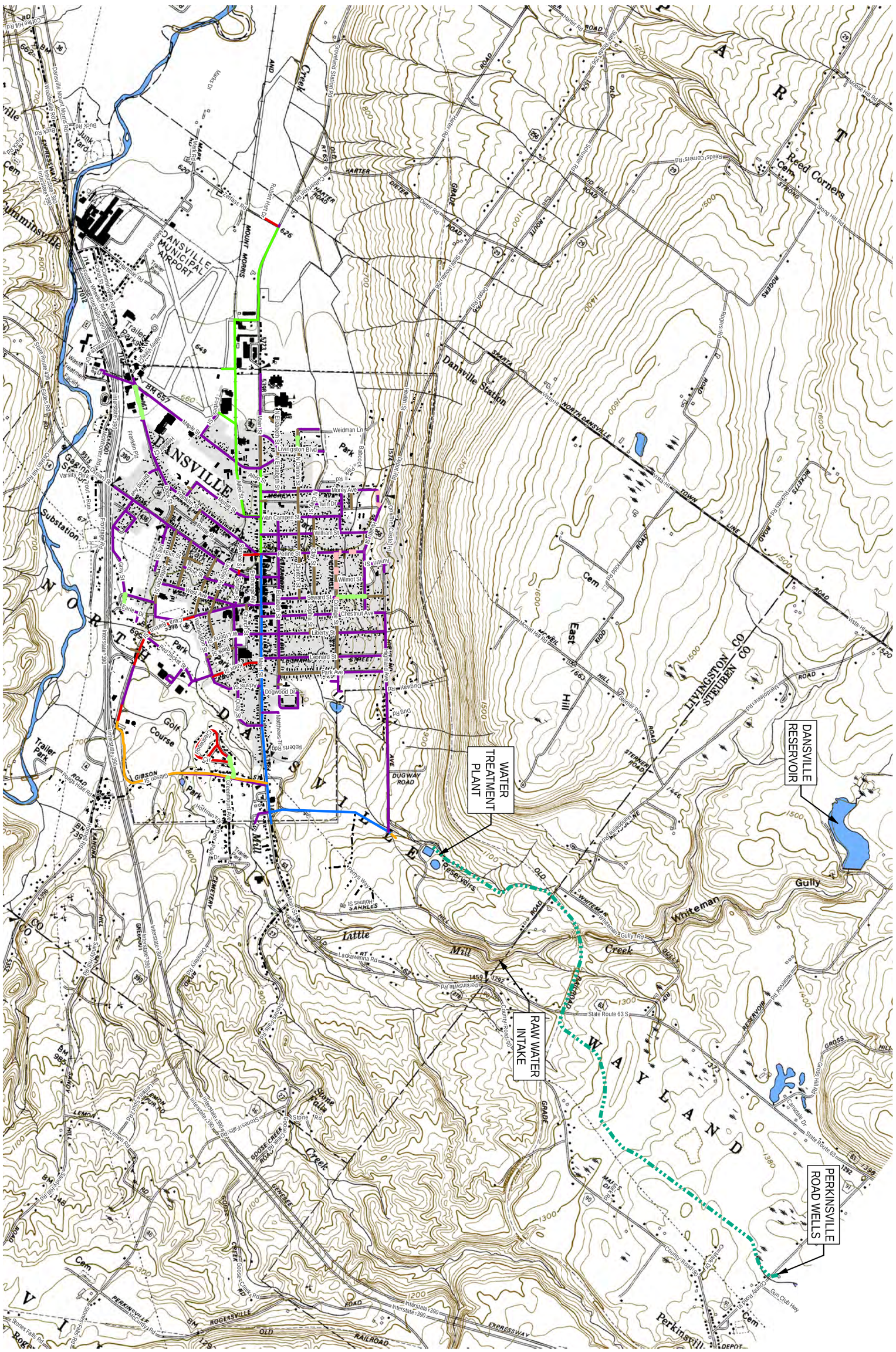


1 of 1	SHEET NO.	0410.18003	PROJECT NO.	**MRB | group** Engineering, Architecture, Surveying, D.P.C. 145 Culver Road, Suite 160, Rochester, New York 14620 585-381-9250 FAX 585-381-1008 www.mrbgroup.com	Drawn By: TJV Scale: 1" = 2,000' Date: MAR 2019	**WATER SYSTEM STUDY** **VILLAGE OF DANSVILLE, LIVINGSTON CO., NY** **FIGURE III.1 - LOCATION MAP**

3. Storage

The system includes a 1.4-million gallon concrete storage tank located at the water treatment plant site at the end of Highland Avenue. Built in 1994, the tank was last inspected in August 2016. The operating range of the tank is between 25.5 and 26-feet deep. Tank level is controlled by a rate of flow controller that adjusts flow through the water treatment plant to maintain a relatively constant level in the clear wells. Flow through the plant and clear wells, to the tank is by gravity with the ability to add a booster pump if needed.

The inspection report for the tank identified areas of cracking and few spalled areas, and recommended:

- cleaning and sealing the roof exterior,
- cleaning and sealing the sidewall exterior,
- replacing the existing ladder and cage with one that complies with current OSHA standards,
- installing a perimeter security fence, and
- upgrading the vent screen.

Review of the storage tank determined that it contain adequate volume for system pressure equalization and fire flow storage within the Village of Dansville. The potential does exist for private residences located in North Dansville east of High Street, near the water treatment plant, and south of the Village to experience low pressures during a fire demand. These structures were not considered during the review of the storage tank capacity.

4. Distribution System

The Village of Dansville's water distribution system consists of mostly 4-inch and 6-inch unlined cast iron pipe with limited amounts of larger diameter water mains ranging in size from 8-inch to 16-inch. A 12-inch main that serves as the primary supply to the central portion of the Village runs from the water plant across lots to Main Street then north to Milton Street. A section of 16-inch pipe runs along Gibson Street. Figure II.1 presents a schematic layout

of the existing distribution system, along with key junction points and annotations from the hydraulic analysis.

Review of operating data and annual water quality reports indicates that the water system experiences up to 32% water loss. Addressing water loss is listed as a Key Recommendation in a report prepared by the Office of the New York State Comptroller entitled, *Village of Dansville Water and Sewer Operations* (April, 2018). Due to the age of the system, size of the water mains, and the excessive amount of water loss, the distribution system is considered in fair condition and in need of upgrade.

Table III.1: Pipe Quantities

Size	Qty. (ft.)	
<4"	3,938	3.0%
4"	19,829	15.0%
6"	78,688	59.5%
8"	6,651	5.0%
10"	10,356	7.8%
12"	7,112	5.4%
16"	5,765	4.4%
Total	132,339	100.0%

D. WATER QUALITY

Review of the Village of Dansville Annual Water Quality Reports for 2015, 2016 and 2017 indicates that the Village is supplying water that meets LCDOH water quality standards.

E. CONTACT TIME

A series of clear wells at the water treatment plant provide chlorine disinfection contact time. A storage tank that provide system pressure equalization and storage follow the clear well, also providing additional contact time. The clear wells were designed when the plant was constructed to provide needed contact time for surface water treatment plant.

IV. NEED FOR PROJECT

A. HEALTH AND SAFETY

The LCDOH performed an annual sanitary inspection on September 9, 2018 (Appendix C).

This inspection cited the following issues:

- Clean and reseal the exterior of the 1.4-million gallon tank.
- Replace outdated HACH equipment at the water treatment plant.
- Replace or repair non-working fire hydrants in the water system.
- Complete upgrades at well houses.
- Inspect interior of clear well to determine extent of surface cracks.

The report by the New York State Comptroller expressed a concern that "unrepaired leaks in the water system increase the risk of exposure to contaminants." The report goes on to recommend that the Village develop an action plan to address un-accounted water.

B. AGING INFRASTRUCTURE

Portions of the distribution system are over 120-years old and are subject to numerous breaks. Several of the fire hydrants either leak or have in-operable guard valves. The age and condition of the water system infrastructure likely contributes to the magnitude of the lost water.

Instrumentation in use at the water treatment plant was installed when the plant was constructed. Several of these devices are over 18 years old and at the end of their service life.

The water storage tank is over 24 years old and as indicated in the inspection report starting to show several cracks in the cover and sidewalls. While the report did not identify the cracks as a significant concern, it did recommend cleaning and sealing the tank.

C. EVALUATION CRITERIA

Evaluation of the water system components utilized the requirements presented in the *Recommended Standards for Water Works* ("RSWW"), and Chapter I of the State Sanitary Code Subpart 5-1, "Public Water Systems" to assess the capacity of the system. In particular, the following requirements were reviewed:

8.2.1 Pressure: The system shall provide a minimum pressure of 20 psi at ground level at all point in the distribution system under all conditions of flow. The normal working pressure in the distribution system shall be at least 35 psi and should be approximately 60 to 80 psi and not less than 35 psi.

8.2.2 Diameter: The minimum size of water main, which provides for fire protection and serving fire hydrants, shall be six-inch diameter.

8.2.3 Fire Protection: When fire protection is to be provided, system design should be such that fire flows and facilities are in accordance with the requirements of the Sate Insurance Services Office.

1. Pressure

MRB Group, with the assistance of the Village of Dansville, performed hydrant flow tests on November 11, 2018 at eleven (11) locations. The purpose of the tests was to document system pressures and to determine available fire flows at various points in the system. Results were also utilized to balance a hydraulic model of the water distribution system. The map included in Appendix A identifies each hydrant flow test location.

Copies of the hydrant flow test reports are included in test results are included in Appendix E and are summarized in the following table.

Table IV.1: Hydrant Flow Test Results - Pressure

Test	Location ID	Location Description	Hydrant Node ID	Static Pressure(psi) Before	Static Pressure(psi) After	Residual (psi)
A	9R	Maple & Franklin	FN_H_1	118.19	118.43	44.06
B	6R	West Ave & Lincoln Ave	WA_H_4	97.93	98.39	83.43
C	10R	End of Gray St	ED_H_1	106.58	106.61	92.18
D	11R	Clara Barton St	CB_H_2	95.31	94.92	85.50
E	8R	Deer Park Dr & Greenmount Ave	GA_H_1	60.25	60.29	11.90
F	7R	25 Crestwood Cr	CW_H_4	71.06	71.17	12.48
G	4R	Cottage & Seward	SD_H_3	93.49	93.18	54.08
H	3R	Cottage & Perine St	PE_H_3	98.15	98.70	83.22
I	1R	Top of Hill @ Morey	MY_H_6	92.70	92.87	67.00
J	2R	27 North Clinton St	NC_H_1	111.74	111.93	17.29
K	5R	Robert Hart Dr	RH_H_2	131.72	132.16	65.94

MRB Group created a hydraulic model of the water distribution system based on available mapping of the distribution system; water meter read data, and production data. System demands utilized in the model include a loss factor that accounts for the difference between water plant production data and meter reading data. Hydrant flow test results were utilized to help balance the model so that measured flows approximate model results.

System pressures range from 45 psi to 136 psi depending on proximity to the Village's water storage tank and system demands. The lowest system pressures generally occur along Highland Avenue and the south end of Greenmount Avenue; and the highest occur toward the northern ends of Main Street, Forbes Street and Franklin Street. Model results for the hydrant flow tests locations are included in Table II.1 and a more comprehensive list of system pressures throughout the system are included in Appendix F. Comparing Table IV.1 to Table IV.2 shows that the model produces pressure results representative of field measurements.

Table IV.3 represents model results for pressure at the residual hydrant test location that occurs at the measured hydrant flow rate. Comparing Table IV.3 to Table IV.1 shows that the model produces pressure results representative of field measurements.

Table IV.2: Model Results – Static Pressure

Test	ID	Description	Node ID	Max. Value (psi)	Min. Value (psi)	Average (psi)
A	9R	Maple & Franklin	FN_H_1	119.27	114.48	117.91
B	6R	West Ave & Lincoln Ave	WA_H_4	99.34	95.47	98.24
C	10R	End of Gray St	ED_H_1	107.94	104.03	106.83
D	11R	Clara Barton St	CB_H_2	96.55	92.78	95.47
E	8R	Deer Park Dr & Greenmount Ave	GA_H_1	61.08	58.35	60.30
F	7R	25 Crestwood Cr	CW_H_4	72.37	69.64	71.59
G	4R	Cottage & Seward	SD_H_3	94.77	90.87	93.66
H	3R	Cottage & Perine St	PE_H_3	100.06	96.07	98.92
I	1R	Top of Hill @ Morey	MY_H_6	94.53	90.49	93.38
J	2R	27 North Clinton St	NC_H_1	113.81	109.74	112.65
K	5R	Robert Hart Dr	RH_H_2	134.05	129.99	132.89

Review of the hydrant flow test data and model results indicates that the system provides necessary system pressures in accordance with RSWW. In accordance with the *New York State Plumbing Code,* properties with pressures in excess of 80 psi will need individual pressure reducing valves.

Table IV.3: Model Results – Residual Pressure

Test	Location ID	Location Description	Hydrant Node ID	Residual (psi)
A	9R	Maple & Franklin	FN_H_1	44.05
B	6R	West Ave & Lincoln Ave	WA_H_4	85.18
C	10R	End of Gray St	ED_H_1	92.64
D	11R	Clara Barton St	CB_H_2	87.10
E	8R	Deer Park Dr & Greenmount Ave	GA_H_1	11.93
F	7R	25 Crestwood Cr	CW_H_4	12.67
G	4R	Cottage & Seward	SD_H_3	54.65
H	3R	Cottage & Perine St	PE_H_3	83.23
I	1R	Top of Hill @ Morey	MY_H_6	67.08
J	2R	27 North Clinton St	NC_H_1	17.13
K	5R	Robert Hart Dr	RH_H_2	66.19

2. Pipe Diameter

As illustrated in Table III.1, approximately 18% of the water system consists of water pipe that is 4-inches or less. Review of available mapping identified several locations where a hydrant is served by a 4-inch water main. Water mains in these locations needs to be upgraded to bring the system into compliance with RSWW.

3. Flow

Hydrant flow test results demonstrated available fire flow at various points in the system as shown in Table IV.4. Results from the hydrant flow test were utilized to balance the hydraulic model and the model was utilized to predict anticipated system pressure throughout the distribution system.

Balancing the hydraulic model included adjusting pipe roughness coefficients ("C" Values) as necessary to approximate field measured results. C Values utilized in the model are typical of pipes of similar age and material of construction found in comparable water distribution systems.

Table IV.4: Hydrant Flow Test Results - Flow

Test	Location ID	Location Description	Hydrant Node ID	Flow (gpm)
A	9F	Sewer Plant	TP_H_1	773.09
B	6F	Pine St & Lincoln Ave	PN_H_2	832.63
C	10F	Earle Dr	ED_H_2	341.37
D	11F	Red Jacket St & Clara Barton	RJ_H_1	642.92
E	8F	Deer Park Ave	DP_H_2	332.38
F	7F	93 Crestwood Cr	CW_H_1	415.78
G	4F	Clay & Seward	SD_H_2	552.39
H	3F	Perine & Clay St	PE_H_2	624.89
I	1F	44 Morey Ave	MY_H_4	696.30
J	2F	In Park	WN_H_1	231.62
K	5F	End of Rober Hart Dt	RH_H_1	1,168.68

In order to balance the model, it was necessary to close a valve or introduce additional head loss in a pipe. Locations with a valve that is potentially closed include:

- Morey Avenue between Health Street the curve on Morey Avenue,
- Perine Street between Health Street and Cottage Street,
- Cottage Street between Perine Street and Willmont Street,
- Cottage Street between Willmont Street and Seward Street,
- Cottage Street between Seward Street and Chestnut Avenue, and
- Seward Street between Clay Street and the first hydrant northeast of Clay Street on Seward Street.

Locations where there may be a partially closed valve include:

- Crestwood Circle east of hydrant CW_H_4,
- Crestwood Circle north of Gibson Street,
- Greenmount Avenue south of Gibson Street,
- Seward Street between Clay Street and Sophia Street
- Seward Avenue between Cottage Street and Health Street,
- Clinton Street north of Livingston Blvd,
- Earle Street south of Jefferson Street, and
- Franklin Street south of Maple Street.

Table IV.5 lists the fire flow analysis results at the hydrant test locations. Appendix ____ includes a comprehensive list of anticipated, design flows in the system. "Design Flow" is the anticipated flow at a node when the minimum *system* pressure is 20 psi ("Design Pressure"). Results include "Available Flow at Hydrant", which is the anticipated flow at a node when the pressure at the node is 20 psi. It is possible that system pressure is less than 20 psi when the flow at a node equals the "Available Flow at Hydrant". The node at which the lowest system pressure occurs is the "Critical Node", and the resultant pressure at "Available Flow at Hydrant" is the "Critical Node Pressure". Under all situations, the pressure at the "Critical Node" is 20 psi under "Design Flow". "Design Flow" is often less than "Available Flow at Hydrant."

Table IV.5: Model Results – Design Flow

Test	ID	Description	Node ID	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)
A	9F	Sewer Plant	TP_H_1	699.23	TP_H_1	20.00	699.23	20	20.04
B	6F	Pine St & Lincoln Ave	PN_H_2	1,929.98	J786	0.82	1,195.68	20	63.86
C	10F	Earle Dr	ED_H_2	765.00	ED_H_2	20.00	765.00	20	20.02
D	11F	Red Jacket St & Clara Barton	RJ_H_1	1,970.47	J786	2.59	1,256.92	20	61.99
E	8F	Deer Park Ave	DP_H_2	216.68	DP_H_2	20.00	216.68	20	20.01
F	7F	93 Crestwood Cr	CW_H_1	396.14	J222	15.72	379.26	20	24.42
G	4F	Clay & Seward	SD_H_2	657.92	SD_H_2	20.00	657.92	20	20.00
H	3F	Perine & Clay St	PE_H_2	1,515.31	J786	11.97	1,183.70	20	46.82
I	1F	44 Morey Ave	MY_H_4	1,328.99	J786	16.62	1,182.85	20	35.91
J	2F	In Park	WN_H_1	219.65	J516	19.99	219.64	20	20.01
K	5F	End of Robert Hart Dr	RH_H_1	1,413.45	J786	14.61	1,184.90	20	50.14

Anticipated Design Flows in the distribution system range from 16 gpm to 1,670. Low flows, particularly those below 500 gpm occur on small diameter pipes, typically 4-inch or less.

Anticipated Design Flows relative to pipe size are shown in Table II.1. The table shows the number of nodes associated with a pipe size. Listed pipe size identifies the largest diameter pipe connected to a node. Nodes represent a point where pipes connect and are not necessarily at the same location as a hydrant.

Table IV.6: Design Flow vs. Pipe Size

	---------- Design Flow (gpm) ----------							
Pipe Size	< 4 in	4 in	6 in	8 in	10 in	12 in	16 in	All
Nodes	11	17	195	24	17	15	10	289
Minimum	16	222	45	378	1,185	1,188	1,469	16
25% <	50	608	851	1,185	1,185	1,191	1,475	851
50% <	81	661	1,178	1,188	1,186	1,200	1,475	1,185
75% <	126	1,125	1,194	1,220	1,186	1,303	1,480	1,199
Maximum	897	1,215	1,283	1,439	1,187	1,677	1,484	1,677
Average	209	841	1,009	1,061	1,186	1,288	1,477	1,014

When ISO reviews a community, it considers various factors in establishing the community rating. One factor is needed fire flow, which is a function of building use, occupancy, materials of construction, proximity to other structures, and other factors. ISO provides

needed fire flow guidelines for one and two family dwellings that represent the flow needed for full, residential protection fire credit. Comparing Table IV.6 to Table IV.7 indicates that approximately 25% of the residential properties along 4-inch water main, and approximately 50% of the properties along 6-inch water main would receive full ISO fire protection credit for structures over 11-feet apart.

Table IV.7: ISO Residential, Needed Fire Flow

Distance Between Buildings	Needed Fire Flow
More than 100 feet	500 gpm
31-100 feet	750 gpm
11-30 feet	1,000 gpm
10 feet of less	1,500 gpm

As discussed previously, approximately 77% of the water main within the Village is 6-inch or less. Correlating this to the model results suggests that approximately 36% of the Village's residential properties do not have sufficient fire protection needed for full ISO credit.

ISO's *Hydrant Flow Data Summary* (09/25/2014) the Village of Dansville indicates that Needed Fire Flows for full credit range from 1,000 gpm at the intersection of Van Cangen & Eagle; to 4,500 at the intersection of North Main Street and Circle Drive. The summary also states that needed flow greater than 3,500 gpm are not considered in determining the classification of the community when utilizing the *ISO Fire Suppression Rating Schedule*. Eight of the fourteen test locations have an ISO Needed Fire Flow of 3,000 gpm or greater. Therefore, the Village water system does not provide sufficient flow to receive full ISO credit for non-residential properties.

V. ALTERNATES CONSIDERED

A. DESCRIPTION

Several alternates were considered for upgrading the water system in the Village of Dansville. Due to the concerns about un-accounted for water raised by the New York State Controller, no consideration was given to continued operation without improvements.

B. Water Treatment Plant

The 2018 LCDOH Annual Inspection of the water treatment plant, and the independent inspections of the raw water tank and finished water storage tank, identified several items at the plant, and at the well field that need upgrade or repair. These items are enumerated previously in this report and should be completed as recommended. Work on these items should be completed as normal operation and maintenance of the treatment system.

C. Distribution System

1. Alternate 1 – Reline Water Mains

This alternate considers relining all of the unlined cast iron pipes in the system. While relining in an urban setting is generally more cost effective than replacement, this would not resolve the problem with the majority of undersized piping in the system. Additionally, relining could be complicated due to the number of inoperable valves and hydrants in the system that would require replacement as part of this project and the significant age of the majority of the system could compromise the effectiveness of this alternate. For these reasons, this alternate is not considered technically feasible.

2. Alternate 2 – Upgrade Portions of the System to 8-inch Pipe

Alternate 2 includes replacing existing pipe with 8-inch pipe. Pipes to upgrade include:

- Highland Avenue from the 12-inch transmission main north to Chestnut Avenue (4,930 feet).
- Chestnut Avenue between Highland and Health Street (440 feet)
- Health Street from Chestnut to Morey Avenue (2,860 feet)
- Morey Avenue from Health Street to Main Street (2,620 feet)
- Clara Barton Street from I-390 interchange to Jefferson Street (2,470 feet)
- Jefferson Street to Ossian Street (2,300 feet)
- Ossian Street from Jefferson Street to Dock Street (240 feet)
- Dock Street / Franklin Street from Ossian to Maple Street (3,360 feet)
- Maple Street from Franklin to Main Street (3,540 feet)

Alternate 2 creates an 8-inch loop around the Village, that when combined with planned upgrades to the 12-inch transmission main that runs from the water treatment plant to Main Street, greatly improves anticipated design fire flows within the Village. While this alternate improves design flow within the Village, it does not resolve the problems with the majority of aged and undersized piping in the system. For this reasons, this is not considered sufficient to address the needs of the water system.

3. Alternate 3 – Upgrading Distribution Strategically

The majority of the water system is approaching or beyond its useful life. It is imperative that the Village undertake a comprehensive infrastructure improvement project to address the undersized/old watermains in the system. This alternate recommends a strategic approach to upgrade the water distribution system staring with an area of most concern and progressing until the entire 4-inch pipe is replaced and the anticipated un-accounted water due to system leaks is below 10%. This approach provides system improvements that address both aging infrastructure and improving Design Flows throughout the system.

Two phases are proposed. Phase 1 includes replacing existing pipe in the western portion of the Village with 8-inch pipe to eliminate undersized piping and old pipe susceptible to breaking. Pipes to upgrade include:

- Grey Street from West Jefferson Street to Earle Street, and Earle Street from Grey Street to Jefferson Street, 1,070 lf.
- Jefferson Street from Ossian Street to Clara Barton Street, 2,280 lf.
- South end of Mill Street, off Jefferson Street, 260 lf.
- Fulton Street from Ossian Street to West Avenue, 1,085 lf.
- Washington Street from Ossian Street to Clara Barton Street, 1,385 lf.
- Lincoln Avenue from Ossian Street to Bank Street, 2,045 lf.
- Spruce Street from Ossian Street to Clara Barton Street, 730 lf.
- Elm Street from Jefferson Street to it east end past Fulton Street, 740 lf.
- Pine Street from Fulton Street to Spruce Street, 1,330 lf.
- West Avenue from Jefferson Street to Clara Barton Street, 1,765 lf.

- Bank Street from Lincoln Avenue to School Street, 420 lf.
- School Street from Lincoln Avenue to Knox Street, 520 lf.
- Knox Street from Washington Street to Main Street, 1,150 lf.
- Maple Street from Franklin Street to Allen Street, 2,850 lf.
- Crestwood Circle from Gibson Street to start of loop, 435 lf.
- Greenmount Avenue from Gibson Street to Deer Park Drive, 980 lf.

Phase 2 includes replacing existing pipe in the eastern portion of the Village with 8-inch pipe. Pipes to upgrade include:

- Elizabeth Street from north of Circle Road to Morey Avenue, 1,750 lf.
- Elizabeth Street from Leonard Street to Park Avenue, 360 lf.
- Clinton Street from Weidman Lane to Seward Street, 3,790 lf.
- Clay Street from Morey Avenue to Seward Street, 2,420 lf.
- Cottage Street from Perine Street to Park Avenue, 2,700 lf.
- Highland Avenue from Austin Street to Seward Street, 730 lf.
- Highland Avenue from Park Avenue to Water Plant, 3,600 lf.
- Park Avenue from Elizabeth Street to Highland Avenue, 2,410 lf.
- Sofia Street from Seward Street to Liberty Street, 815 lf.

Alternate 3 is the most beneficial and is the recommended solution by MRB Group.

4. Pipe Material Alternatives

New water main installed within the past decade in the Village system has been almost exclusively PVC, because it has proved to be the most economical. Ductile iron pipe has been an alternate bid item on a multitude of projects over this time, and has never been bid as the lower cost alternative even during periods of elevated petroleum prices. Bid prices over the last few years for 8-inch ductile iron pipe have been approximately 20% to 25% higher than PVC pipe. Therefore, in consideration of the historical pricing discrepancy, PVC pipe is the chosen material for this project. HDPE is not typically used for water main projects of this size other than directional drills.

D. Design Criteria

The design criteria will be as outlined in the RSWW and/or the requirements and approval conditions of the LCDOH. The system will be designed for a minimum working pressure of 35 psi, and a minimum fire flow of 1,000 gpm at 20-psi residual, system pressure.

E. Schematic Layout

A schematic layout of the project is included in Figure II.1 and Appendix A.

F. Environmental Impacts

The potential environmental impacts are discussed in Section II.B.

G. Land Requirements

It is anticipated that the majority of the project will be constructed within Village and State road rights-of-way. Selected easements and permits may be required depending upon site constraints including a NYSDOT work permit for all utility work within the State R.O.W.

H. Construction Problems

Based on the information presently available, no significant construction problems are anticipated beyond those normally encountered during upgrades of Village water systems. Of most concern is close coordination between the water system and its proximity to existing storm and sanitary sewers that may not comply with current design standards. Close coordination is also required with other utilities. In general, the project will be constructed within Village and State road rights-of-way or on obtained easements.

I. Advantages/Disadvantages

The proposed project contemplates a comprehensive water system improvement to the distribution system in strategic cost beneficial locations. The distribution existing distribution system contains several undersized; the pipes, valves and hydrants that make up the system need significant repair or replacement. There are no discernable disadvantages, as there are no other feasible alternatives.

VI. PROPOSED PROJECT

A. PROJECT DESIGN

1. Treatment

Modifications to the treatment process include those items identified by the LCDOH that need to be addressed. The items include:

- Inspection of the clear well covers to assure that observed cracks do not allow groundwater to migrate into the clear well below.
- Repairs to the backwash tank as identified in the most recent tank inspection report.
- Replacement of failed instrumentation within the water treatment plant.
- Complete the well improvement project.
- Continued operation and maintenance of the raw water reservoir in accordance with NYSDEC Dam Safety requirements.

2. Storage

Recommended improvements to system storage include the repairs and upgrades identified in the most recent tank inspection report.

3. Pumping Stations

No new pumping facilities are necessary for this project.

4. Distribution Layout

The distribution system available for fire flows and residual distribution pressures can be significantly improved by increasing the size of water mains strategically throughout the Village. The comprehensive distribution system improvements are described above under Alternate 3.

5. Preliminary Hydraulic Calculations

A *Summary of Hydraulic Calculations* memorandum is included in Appendix B. Results of the calculations demonstrate an improvement in water system performance. Normal working pressures in the system are anticipated to range from 36 psi to 135 psi depending on location

in the system and system demands. These pressures are in the acceptable range prescribed by the RSWW. In accordance with the *New York State Plumbing Code,* properties with pressures in excess of 80 psi will need individual pressure reducing valves.

Portions of the distribution system outside the Village, particularly the water districts to the South in the Town of North Dansville, and individual properties to the east of High Street and along Highland Avenue close to the water plant are currently served by individual booster pumps. This practice is acceptable subject to LCDOH approval. However since these services are in low-pressure areas, the potential exists for negative pressures at the services during a fire demand in the Village. Proper protection of the service is required.

Anticipated Design Flows (defined as the available flow at a minimum system pressure of 20 psi) range from 1,000 to 3,500 gpm depending on location in the system and project phase.

B. HOMES, POPULATION AND BUSINESSES SERVED

It is estimated that the project will serve 2,634 EDU's within the Village and 484 EDU's outside the Village within the Towns of North Dansville and West Sparta. Equivalent Dwelling Units (EDU) are herein defined as being an occupied unit. Review of water meter data from 2017 for the Village of Dansville and Town of North Dansville determined that the typical annual water use per EDU is 40,500 gallons; in the Town of West Sparta the amount dropped to 33,000 gallons.

The estimated breakdown of EDU's is as follows:

Table VI.1: Equivalent Dwelling Units Summary

Property Class	Village of Dansville	North Dansville	West Sparta
Single Family	1,291.0	112.0	21.0
Multi-Family/Purpose	378.0	13.5	-
Apartments	243.0	5.0	-
Mobile Home Park	15.0	179.0	-
Commercial	344.5	111.5	-
Recreation & Entertainment	17.5	-	1.0
Community Services	341.0	2.0	-
Industrial	2.0	35.5	-
Public Works	1.0	3.5	-
Public Parks	1.0	-	-
Total	**2,634.0**	**462.0**	**22.0**

C. NEW/EXISTING DISCHARGES TO OR WITHDRAWALS FROM SURFACE OR GROUNDWATER

Other than the required flushing of the new water mains for disinfection and testing, no discharges to surface or ground waters is anticipated. No new withdrawals from surface or groundwater are proposed as part of this project.

D. VOLUME OR LOADING OF POLLUTANTS TO RECEIVING WATERS

No increases in volume or loading of pollutants from existing discharges to receiving waters are anticipated with the project.

E. CAPITAL COST ESTIMATE

Table VI.2 represents the preliminary project cost estimate, inclusive of all construction, engineering, administrative and incidental costs including mobilization/demobilization, fittings, etc. The project in its entirety will be completed within the Village limits, but will have a beneficial impact on the Town of North Dansville and Town of West Sparta water districts that are served by the Village. The Village intends to publically bid the project once plans have been developed and finalized.

Table VI.2: Preliminary Project Cost Estimate

Item No.	Item Description:	Qty	Unit	Unit Price	Total
I-1	Mobilization / Demobilization	1	LS	$ 143,200	$ 143,200
I-2	Maintenance and Protection of Traffic	1	LS	$ 24,800	$ 24,800
I-3	8" Class 235 PVC Watermain	32,970	LF	$ 50	$ 1,648,500
I-4	12" Class 235 PVC Watermain	3,600	EA	$ 85	$ 306,000
I-5	8" Gate Valve and Box	127	EA	$ 1,390	$ 176,530
I-6	12" Gate Valve and Box	4	EA	$ 2,870	$ 11,480
I-7	Hydrant Unit, Including Anchor Tee, 6" Anchor Pipe, Valve & Valve Box	85	EA	$ 5,900	$ 501,500
I-8	Short Side Service Transfer	270	EA	$ 1,200	$ 324,000
I-9	Long Side Service Transfer	241	EA	$ 2,620	$ 631,420
I-10	Connect to Existing Watermain	61	EA	$ 3,050	$ 186,050
I-11	Cut/Plug Ex WM	49	EA	$ 1,200	$ 58,800
I-12	8" Directional Drill	620	LF	$ 230	$ 142,600
I-13	8" Directional Drill w/ casing	580	LF	$ 250	$ 145,000
I-14	Asphalt Road Replacement	5,950	SF	$ 10	$ 56,525
I-15	Asphalt Driveway Replacement	11,660	SF	$ 5	$ 61,215
I-16	Gravel Driveway Replacement	9,720	SF	$ 2	$ 19,440
I-17	Curb Replacement	170	LF	$ 90	$ 15,300
I-18	Concrete Driveway Replacement	880	SF	$ 9	$ 7,480
I-19	Crushed Stone	20,315	LF	$ 9	$ 172,678
I-20	Field Restoration	2,880	LF	$ 8	$ 23,040
I-21	Concrete Sidewalk Replacement	17,660	SF	$ 6	$ 101,545
I-22	Concrete Gutter Replacement	25	LF	$ 70	$ 1,750
I-23	Clearing and Grubbing	500	LF	$ 55	$ 27,500
				SUBTOTAL	**$ 4,786,353**
				Contingency 15%	$ 718,000
				Legal, Administration, Engineering 25%	$ 1,196,600
				PROJECT TOTAL	**$ 6,701,000**

**This construction cost estimate was prepared without the benefit of test holes or borings. Acordingly no allowance has been made for bedrock removal/disposal, or unstable soil conditions.

F. ANNUAL OPERATING BUDGET

1. Appropriations

The Village of Danville's 2018-2019 Annual Water Fund Budget ("budget") is $1,378,750 and includes, amongst other items, operation and maintenance costs for the water plant and distribution system, and debt service for five (5) separate loans.

It is anticipated that the project may reduce Operation and Maintenance ("O&M") costs since it replaces aging water system infrastructure that is subject to frequent repairs. Less repairs should reduce overtime hours associated with making the repairs. The project will also likely reduce the amount of unaccounted for water by reducing the amount of leaks within the distribution system.

Included in the budget are loans totaling $552,920 annually. These loans are set to mature in 2021, 2022, and 2032. The annual operating budget will likely increase to include the debt service needed to finance the project. Financing for the project includes the following assumption:

a. Total project cost is estimated at $6,701,000 as per the Preliminary Project Cost Estimate in Table VI.2.
b. The project appears to qualify for $3,000,000 Water Infrastructure Improvement Act grant ("WIIA") since the project improves the water system infrastructure by replacing old, undersized water mains that are subject to breaks and reduce fire flows.
c. The balance of the project costs appears to qualify for United States Department of Agriculture ("USDA") Rural Development ("RD") poverty rate financing, currently 1.65% for 38 years.

d. Table VI.3 represent a summary of the estimated annual costs to a "typical property" within the Village based on RD Poverty funding respectively, and with a WIAA grant.
e. Table VI.4 represent a summary of the estimated annual costs to a "typical property" within the Village based on RD Intermediate funding respectively, and with a WIAA Grant.
f. A Commodity charge is not included in the tables because it is annually adjusted by the Village as the revenue source needed to finance the Annual Water Fund Budget.

2. Revenue

The Village finances the budget through its water rate structure that includes a combination of Base Quarterly Charges and Usage Charges. The current rates are as follows:

a. Village Customers

- Base Quarterly Charge: $83.00
- Usage Charge: $3.50 per 1,000 gallons

b. Customers Outside the Village

- Base Quarterly Charge: $98.00
- Usage Charge: $4.00 per 1,000 gallons

Review of water use data determined that a typical residential property in the Village of Dansville utilizes 40,500 gallons of water per year. Based on this, the typical annual commodity charge for Village Customers is $473.75.

An increase in the Quarterly Base Charge, the Usage Charge, or a combination of both may be necessary to fund the debt service for the project.

G. SHORT-LIVED ASSETS

The project replaces the majority of the existing water distribution system infrastructure with new materials that have a design life of at least 40 years. There are no short-lived assets that would require the expenditure of capital dollars, other than the normal operation and maintenance expenses associated with operating the system. Operation and maintenance costs are covered through the Village's retail rate structure.

Table VI.3: Summary of Projected Annual Costs – RD Poverty Rate

Item Description	Cost
Total Estimated Program Cost	$6,701,000
WIIA Grant	$3,000,000
Net Capital Cost	$3,701,000
Average Annual Debt Service Based on 38-years @ 1.65%	$131,874
Total Number of EDU's	2,634
Estimated Annual Debt Service Charge per EDU:	$50

Table VI.4: Summary of Projected Annual Costs – RD Intermediate Rate

Item Description	Cost
Total Estimated Program Cost	$6,701,000
WIIA Grant	$3,000,000
Net Capital Cost	$3,701,000
Average Annual Debt Service Based on 38-years @ 2.25%	$145,921
Total Number of EDU's	2,634
Estimated Annual Debt Service Charge per EDU:	$55

VII. CONCLUSIONS AND RECOMMENDATIONS

There is a substantial need and desire for the water system to be upgraded to the extent suggested above.

In order for this project to be reasonably affordable to residents, the Village will need to qualify for RD Poverty Rate funding and be award a WIAA grant.

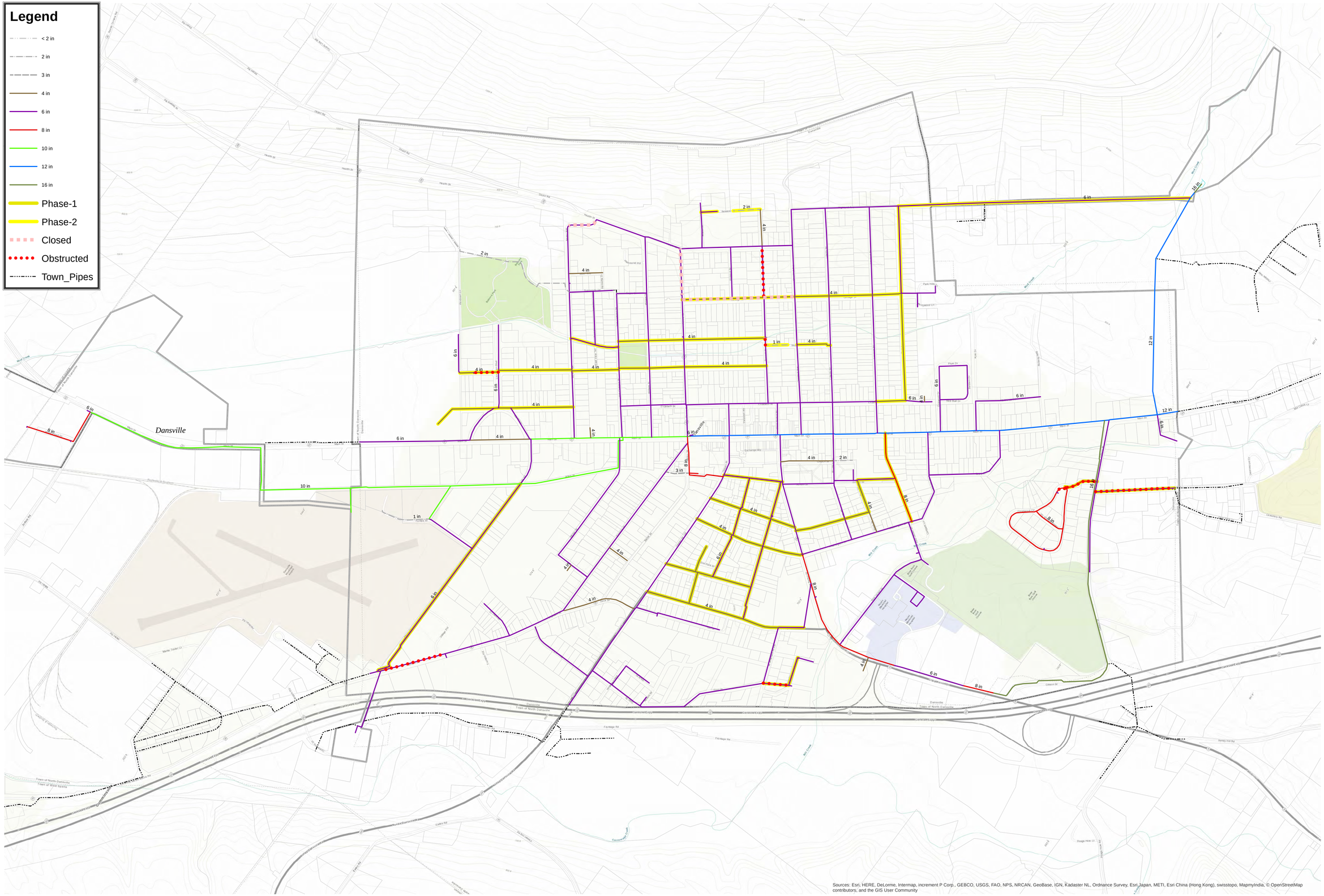
Based on the favorable disposition of all of the above factors, it is recommended that the Village to apply for funding, and implement the program, accordingly.

Respectfully submitted,

Gregory Hotaling, P.E.
MRB Group

APPENDIX A

PROPOSED IMPROVEMENTS PLAN
VILLAGE OF DANSVILLE



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WATER SYSTEM STUDY

VILLAGE OF DANSVILLE, LIVINGSTON COUNTY, NEW YORK

WATER SYSTEM SCHEMATIC

Drawn By: DCA

Scale: 1" = 500' @ 24X36

Date: MARCH 2019

MRB | group
Engineering, Architecture & Surveying, D.P.C.
145 Culver Road, Suite 160, Rochester, NY 14620 585-381-9250 FAX 585-381-1008
www.mrbgroup.com

SHEET NO.

1 of 1

PROJECT NO.

0410.18003.000

APPENDIX B

PART 1 – FULL ENVIRONMENTAL ASSESSMENT FORM (SEQR)

APPENDIX C

LCDOH INSPECTION LETTER

LIVINGSTON COUNTY
DEPARTMENT OF HEALTH
2 Murray Hill Drive
Mt. Morris, New York 14510-1691

Jennifer Rodriguez, M.S.
Public Health Director

Phone (585) 243-7270
Fax (585) 243-7287
dept-of-health@co.livingston.ny.us
www.livingstoncounty.us/doh.htm

Mark Grove, P.E., Director
Center for Environmental Health
(585) 243-7280/(585) 335-1717 Fax: (585) 243-6793
Dog Control: (585) 243-6740/(585) 335-1720/ Fax: (585) 243-6751

"COMMITMENT TO LEADING THE COMMUNITY FOR A HEALTHIER AND SAFER TOMORROW"

September 26, 2018

Mayor Peter Vogt
Village of Dansville
14 Clara Barton Street
Dansville, New York 14437

Subject: Village of Dansville Public Water Supply Sanitary Survey 2018
Municipal Community Public Water Supply Number: NY2501015
Population: 8900

Dear Mayor Vogt:

In order to determine that the Village of Dansville Public Water Supply System is operating in compliance with the requirements of New York State Sanitary Code Subpart 5-1 "Public Water Systems", a facility sanitary survey inspection was conducted on September 6, 2018. The water treatment system review was performed with the assistance of Water Operator Bob Infantino. The survey of the water supply system is conducted to ensure that there are no existing public health hazard violations at the time of the inspection. The condition and operation of the water system are in good order. Mr. Infantino and the rest of the operators do a fine job operating the water treatment plant and preparing the required reports.

Based on this visit and a review of records, the following comments are offered:

Observations:

- The fluoride treatment room was completely renovated in 2017 and went online January 1, 2018.
- The effluent valve for filter #2 was leaking water at the time of the sanitary survey. It was stated a replacement valve has been ordered and will be installed when received.
- The Village of Dansville Public Water Supply is subject to the Vulnerability Assessment (VA) and Emergency Response Plan (ERP) requirements of Public Health Law Section 1125: Water Supply Emergency Plans. This section was recently modified to require an assessment of cyber security in the required VAs. The Village of Dansville Public Water Supply completed this requirement and submitted the cybersecurity VA to the LCDOH by January 1, 2018.
- The Polyaluminium Chloride (PAC) tank was cleaned in 2016.
- Maps have been developed to locate water mains, valves and other apparatus equipment in the water system. The intent is to create a database for easier access to the information.

- The Village of Dansville's project to update the equipment in their well houses is still ongoing. The leaking pneumatic tank was removed. A new variable frequency drive (VFD) and panel box was installed for well #1. These were requirements from the 2017 Sanitary Survey.

- The old street light bulbs that could potentially contain mercury were removed from the clear well building. This was a requirement from the 2017 Sanitary Survey.

- The Village of Dansville has a standing permit, expiring in 2022, from the New York State Department of Environmental Conservation that will allow creek access to the Water Operators so that the raw water intake may be maintained properly.

- The Village completed the process of upgrading and replacing its domestic water meters from an analog type to an automated style that will allow for electronic meter readings. This upgrade will save time as meters can be read remotely from the street or from the sidewalk. The upgrade will also provide more accurate water usage readings and its software can assist the operator when troubleshooting problematic areas.

- Standard Operation Procedures (SOP) are on file for the water plant. Having SOP on site and in a conspicuous location at the water plant will be beneficial for those who are not regularly a part of the plant operation.

- The SCADA system PIC communications board was updated.

- Vacuum breakers have been installed on all hose spigots located within the treatment. These vacuum breakers will help protect against possible cross connections.

Thank you for continued care and diligence in the operation and maintenance of the water supply.

Violations:

- The New York State Sanitary Code, section 5-1.31 *Cross Connection Control*, requires the supplier of water to protect the water system through a cross connection control program. Review of the Village of Dansville Cross Connection Control Program indicated that there are several hazardous facilities that may not have back flow prevention devices installed (funeral homes that perform embalming and facilities with boiler systems). To ensure the public is protected, the degrees of hazard for each facility must be determined and the appropriate protective device must be installed to contain potential hazards. **Plans must be submitted to and approved by the LCDOH prior to installation.** A copy of the DOH-347, *Application for Approval of Backflow Prevention Devices* is enclosed. According to the Bureau of Public Water Supply's Guide for Cross- Connection Control, any customer identified as a hazardous facility must have an acceptable reduced pressure zone (RPZ) device or air gap installed to the service connection and all facilities determined to be aesthetically objectionable should have double check valve (DCV) connected to the service line.

- Cross connection control devices are required to be tested on an annual basis (5-1.31(a) (3)). Our records indicate that some back flow prevention devices in your water system are overdue for an inspection. **Please complete the "Cross Connection Compliance Form" provided to your staff at the sanitary survey and return to the Livingston County Department of Health (LCDOH) by January 31, 2019.** Include any device that may be missing from the report and provide copies of the "*Report on Test and Maintenance of Backflow Prevention Device*" for data missing in the report, and indicate when out-of-date devices will be tested.

- The 1.4 million gallon water storage tank was inspected in 2016. As part of the Engineer Report, it was recommended that the entire exterior of the tank be sprayed with a solution of 50/50 solution of bleach and water to kill and oxidize mildew and then a day or two later, the exterior (including the roof) should be pressure washed to remove the residue. After cleaning, the report included that the entire exterior should be resealed with "Thoroseal" material and painted. Additional recommendations made in the report should also be considered (See Engineer report located at the plant). **The tank was not power washed as required before the 2018 Sanitary Survey.**

- Currently, Tri-Sons Trucking uses a hydrant located at the Village Highway Department to fill a water truck for water hauling purposes. A Reduced Pressure Zone (RPZ) unit must be installed on the hydrant if this practice is to continue. A currently approved and inspected device must be used for this application. Measures must be taken immediately to move forward with this installation. **Compliance was not met by the 2018 Sanitary Survey as required. A meeting will be scheduled in the near future.**

Requirements:

- It was noted at the time of the sanitary survey that the turbidity meter calibration standards had expired. Current calibration standards must be purchased and the turbidity meter must be calibrated according to manufacturer's instructions. **Compliance will be determined at the 2019 Sanitary Survey.**

- Most in line HACH equipment is outdated and calibrations cannot be performed. It was stated that the Village is in the process of getting a quote for updated equipment. A plan must be put in place before the 2019 sanitary survey to have the updated equipment installed.

- A number of hydrants in the water system are leaking or out of service. Non-working hydrants must be replaced or repaired to provide protection in case of a fire emergency. **Compliance will be determined at the 2019 Sanitary Survey.**

- The Village of Dansville's project to update the equipment in their well houses is still ongoing. The well #2 motor was replaced in 2014. A variable frequency drive (VFD) is still needs to be installed for well #2. An automated transfer switch for a portable generator must also be installed and a designated generator must be available for use if required in the event of an emergency. **Compliance will be determined at the 2019 Sanitary Survey.**

- According to Title: 10 Section 156.2 of the New York State Public Health Law, watershed rules and regulations for the Village of Dansville public water supply have been developed and are in effect. **Please submit the required "Annual Report on Violations of Watershed Rules and Regulations" form to the Livingston County Department of Health by January 31, 2019.**

- Please submit the *Public Water Supply Emergency Response Plan Change Form,* provided at the sanitary survey, to the LCDOH **by December 31, 2018.** Update any changes to the Plan and submit copies of the changes along with the form.

- According to Subpart 5-4.2 of the New York State Sanitary Code, a water treatment facility with a design capacity to produce 2.5 million gallons per day or less of water and which utilizes a surface water source such as the Village of Dansville's water treatment plant must have a minimum of two IIA water plant licensed operators at all times. The Village of Dansville must be proactive to ensure the appropriate licenses are maintained should a change in staff occur.

- A certified operator must be available on site or able to be contacted within one hour during plant operation to initiate appropriate operation actions and to address emergencies within the water system. The LCDOH recommends having an operator available and on-site at the water treatment plant during peak hours of operation to maintain the treatment plant and make adjustments as needed. An on-site operator can identify and correct problems in the treatment process as they occur.

- Surface cracks were noted in the concrete above the finished water clear wells. When the clear wells are cleaned a visual inspection of the interior ceiling must performed to determine the extent of the surface cracking. It was reported that the clear wells were cleaned September 2009. **A plan must be put in place before the 2019 sanitary survey to have the clear wells inspected.**

Recommendations:

- It is recommended that all valves in the distribution system be exercised regularly. Proper functioning valves are necessary in an event that causes a section of the water distribution system to need to be isolated, such as water

supply contamination or main break. A well maintained distribution system would last longer and cost less over its life.

- A flushing schedule should be maintained in order to thoroughly flush out the entire water distribution system. The entire system should be flushed at least twice a year. Dead end lines should be flushed on a more frequent schedule to assure fresh water and adequate chlorine residuals are maintained. An adequate flushing program can help to reduce disinfection by-product levels and protect your water system from bacterial growth.

- Public water facility security is always a concern. Please ensure all plant entrances, gates, valve vaults, tank hatches, access ladders and other areas continue to remain locked at all times except when access is necessary. Barriers can be installed where necessary to protect structures from possible damage.

Enclosed is a copy of the DOH 4234 "Water System Field Compliance Report". Please review this form and take note of the comments. You may contact the office at 243-7280 or 335-1717 with any questions or concerns.

Sincerely,

Barbara Rogers

Barbara Rogers
Sr. Public Health Sanitarian

cc: April Kellerhouse, NYSDOH, Buffalo
Hyland Hartsough, NYSDOH, Rochester
Robert Infantino, Village of Dansville Water Operator in Responsible Charge
Scott Tracey, Village of Dansville Superintendent of Public Works

NEW YORK STATE DEPARTMENT OF HEALTH
Bureau of Water Supply Protection

Water System Field Compliance Report: A Review of Compliance with Subpart 5-1 of the New York State Sanitary Code

Public Water System Name	Street Address
Village of Dansville	14 Clara Barton St
Town, Village, or City: Dansville	County: Livingston

PWS ID Number: NY2501015

PWS Type: ☒C ☐NC ☐NTNC ☐NP

Source Type: ☒Surface ☐Ground ☐GWUDI

Date of Service: 09 / 06 / 18 (MM / DD / YY)

Begin Time: 09:00 End Time: :

Disinfection Waiver Issued? ☐Yes ☒No 4-Log Virus Treatment? ☐Yes ☐No

Field Visit Type: ☐Pre-operational ☐Complaint ☐Incident ☐Illness ☐Reinspection ☒Sanitary Survey ☐Inspection

Public Health Hazard Types

Part 5 Subsection	Summary Description of Sanitary Code Requirement	SDWIS	Status
5-1.12(a)	Appropriate actions are taken in response to deteriorating source water quality or diminished effectiveness of treatment with potential for MCL violation.	SA	1
5-1.22(a)	Obtain health department approval prior to the construction or modification of a water system.	SB	1
5-1.23(a)	Obtain health department approval prior to use of an emergency water supply or alteration of a treatment process necessary to protect public health.	SD	1
5-1.27	Maintain minimum distribution system pressure of 20 psi at ground level.	SH	1
5-1.30	Bypass of any stage of treatment.	SJ	1
5-1.30	Disinfection of a groundwater source, surface water source or groundwater source influenced by surface water.	ND 41	1
5-1.30(b)	Filtration of surface source and groundwater influenced by surface water unless avoidance criteria is met.	42	1
5-1.30(b)(2)	Free chlorine residual disinfection concentration in the water entering the distribution system must be at least 0.2 mg/l and may not be less than the minimum concentration for compliance for more than four hours. Systems using other chemical disinfectants shall maintain residual disinfection levels entering the distribution system comparable to requirements for systems using chlorination.	41	1
5-1.30(g)	Maintain free chlorine residual at representative points in the distribution system.	NR	1
5-1.31	Protect the water distribution system from the creation of cross connections of sufficient hazard to adversely affect the health of water consumers.	SJ	2
5-1.71(a)	Exercise due care and diligence in the maintenance and supervision of all sources of the public water to prevent so far as possible, their pollution and depletion.	SN	2
5-1.71(b)	Exercise due care and diligence in the operation and maintenance of a water treatment plant and distribution system.	SO	1

Have all outstanding violations been resolved? ☐Yes ☐No

Explain _____

Part 5 Requirements

Part 5 Subsection	Deficiency (Circle)	Summary Description of Sanitary Code Requirement	SDWIS	Status
5-1.23(c)	M	Conspicuous posting of Sanitary Code Section 5-1.23, "Reporting Emergencies."	SF	1
5-1.29	S M	Finished (treated) water used for priming pumps.		4
5-1.30	S M	Redundant disinfection equipment provided.	ND	1
5-1.30 (e)	S	Complies with disinfection waiver provision.	ND	4
5-1.31(a)(3)	S M	Cross connection control program is implemented by supplier of water, including records of all device testing.	SJ	2
5-1.72(c)	S M	Complete daily records of operation of a water system.	09 10	1
5-1.72(d)	S M	Maintain records (e.g., sample results, reports, filter backwash recycle flow information).	09	1
5-1.72(b)	S	System is in compliance with Subpart 5-4. The correct number and level of operator(s) are available during plant operation. System has designated operators of appropriate grade level in responsible charge.	SQ SY 12	1
5-1.73	S M	Provide or have available test kit.		1
App.5-A 3.2.1	S M	Developed well sources sufficient to meet maximum day demand with the largest well out of service.		1
App.5-A 6.1	S	Pumps are accessible for maintenance and 3 feet above the 100 year flood plain.		1
App.5-A.7.0.3	S M	Water tanks, hatches, roofing, and access ways are watertight, vermin proof, and secure.		1
App.5-A.7.0.7	S M	Tank overflow terminates 12"-24" above grade with proper screen on outlet.		1
App.5-B.2(d)	S M	Finished grade of well is mounded to divert surface water.		1
App.5-B.5(g)	S	Vented, water tight, vermin proof sanitary seal well cap.	SO	1
App.5-D.3(b)	S M	Well casing in good condition and more than 18" above grade.		1

Chlorine Residual 1.09 mg/l Sample Collection Time 10 : 50

Point of Collection Clear Well WTP

Chlorine Residual _____ mg/l Sample Collection Time _____ : _____

Point of Collection _____

Comments No Public Health hazards at the time of inspection. - Facilities in the distribution Sys. must be identified for hazard status. (Violation from 2017) Cross Connection devices not inspected annually as required - reports not on file.

Completed by Barbara Rogers Date 9 / 6 / 18

Received by Robert Lafontaine Date 9 / 6 / 18

Status Codes: 1. No violation observed 2. All or parts of an item in violation 3. Item was not reviewed 4. Item not applicable 5. Item(s) corrected during inspection
Deficiency Codes: S: Significant Deficiency M: Minor Deficiency R: Recommendation

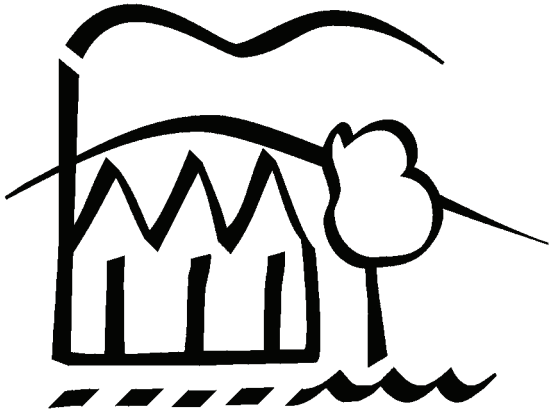
APPENDIX D

POPULATION DATA

Regional Population Forecasts

County, City, Town and Village Projections
for the Genesee-Finger Lakes Region
out to the year 2050

Prepared by:



GENESEE/FINGER LAKES
Regional Planning Council

May 2013

Historical and Projected Population for Livingston County
1960 - 2050

Population & Projections	Historical						Projected			
	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050
Livingston County	**44,053**	**54,041**	**57,006**	**62,372**	**64,328**	**65,393**	**66,179**	**66,887**	**67,501**	**68,043**
Town of Avon	1,632	2,857	3,179	3,288	3,466	3,770	3,675	3,755	3,824	3,885
Village of Avon	2,772	3,260	3,006	2,995	2,977	3,394	3,207	3,294	3,370	3,438
Town of Caledonia	1,150	1,505	1,846	2,179	2,240	2,054	2,091	2,035	1,986	1,942
Village of Caledonia	1,917	2,327	2,188	2,262	2,327	2,201	2,376	2,395	2,410	2,425
Town of Conesus	1,221	1,533	1,970	2,196	2,353	2,473	2,506	2,564	2,615	2,660
Town of Geneseo	1,053	1,564	1,927	1,991	2,075	2,452	2,216	2,271	2,318	2,360
Village of Geneseo	3,284	5,714	6,746	7,187	7,579	8,031	8,159	8,382	8,574	8,744
Town of Groveland	3,373	3,004	2,140	3,190	3,853	3,249	3,418	3,252	3,107	2,978
Town of Leicester	1,027	1,431	1,426	1,818	1,818	1,732	1,923	1,963	1,998	2,028
Village of Leicester	365	368	462	405	469	468	482	487	491	495
Town of Lima	1,350	1,759	1,834	2,022	2,082	2,166	2,178	2,215	2,247	2,276
Village of Lima	1,366	1,686	2,025	2,165	2,459	2,139	2,318	2,263	2,216	2,175
Town of Livonia	2,580	4,026	4,504	5,370	5,913	6,400	6,334	6,496	6,635	6,759
Village of Livonia	946	1,278	1,238	1,434	1,373	1,409	1,434	1,456	1,477	1,494
Town of Mount Morris	1,317	1,162	1,439	1,531	1,301	1,479	1,323	1,332	1,339	1,346
Village of Mount Morris	3,250	3,417	3,039	3,102	3,266	2,986	3,250	3,244	3,238	3,233
Town of North Dansville	635	922	1,015	781	906	819	938	950	961	970
Village of Dansville	5,460	5,436	4,979	5,002	4,832	4,719	4,753	4,723	4,697	4,673
Town of Nunda	1,085	1,320	1,523	1,584	1,687	1,687	1,767	1,797	1,823	1,847
Village of Nunda	1,224	1,254	1,169	1,347	1,330	1,377	1,343	1,349	1,354	1,358
Town of Ossian	489	551	667	797	751	789	793	808	823	835
Town of Portage	733	731	771	893	859	884	880	887	895	901
Town of Sparta	1,019	1,157	1,458	1,578	1,627	1,624	1,714	1,747	1,775	1,801
Town of Springwater	1,293	1,678	2,143	2,407	2,322	2,439	2,478	2,538	2,590	2,636
Town of West Sparta	817	935	1,100	1,335	1,244	1,255	1,311	1,337	1,360	1,379
Town of York	2,695	3,166	3,212	3,513	3,219	3,397	3,312	3,347	3,378	3,405

* NOTE - Town figures DO NOT include village (V) population. They are calculated as separate entities.

Source: 1960 - 2000 US Census Bureau

Historical and Projected Net Change for Livingston County

Decennial Changes	1960-70 Net	1970-80 Net	1980-90 Net	1990-00 Net	2000-10 Net	2010-20 Net	2020-30 Net	2030-40 Net	2040-50 Net
Livingston County	**9,988**	**2,965**	**5,366**	**1,956**	**1,065**	**786**	**708**	**614**	**542**
Town of Avon	1,225	322	109	178	304	-95	80	69	61
Village of Avon	488	-254	-11	-18	417	-187	87	76	68
Town of Caledonia	355	341	333	61	-186	37	-56	-49	-44
Village of Caledonia	410	-139	74	65	-126	175	19	15	15
Town of Conesus	312	437	226	157	120	33	58	51	45
Town of Geneseo	511	363	64	84	377	-236	55	47	42
Village of Geneseo	2,430	1,032	441	392	452	128	223	192	170
Town of Groveland	-369	-864	1,050	663	-604	169	-166	-145	-129
Town of Leicester	404	-5	392	0	-86	191	40	35	30
Village of Leicester	3	94	-57	64	-1	14	5	4	4
Town of Lima	409	75	188	60	84	12	37	32	29
Village of Lima	320	339	140	294	-320	179	-55	-47	-41
Town of Livonia	1,446	478	866	543	487	-66	162	139	124
Village of Livonia	332	-40	196	-61	36	25	22	21	17
Town of Mount Morris	-155	277	92	-230	178	-156	9	7	7
Village of Mount Morris	167	-378	63	164	-280	264	-6	-6	-5
Town of North Dansville	287	93	-234	125	-87	119	12	11	9
Village of Dansville	-24	-457	23	-170	-113	34	-30	-26	-24
Town of Nunda	235	203	61	103	0	80	30	26	24
Village of Nunda	30	-85	178	-17	47	-34	6	5	4
Town of Ossian	62	116	130	-46	38	4	15	15	12
Town of Portage	-2	40	122	-34	25	-4	7	8	6
Town of Sparta	138	301	120	49	-3	90	33	28	26
Town of Springwater	385	465	264	-85	117	39	60	52	46
Town of West Sparta	118	165	235	-91	11	56	26	23	19
Town of York	471	46	301	-294	178	-85	35	31	27

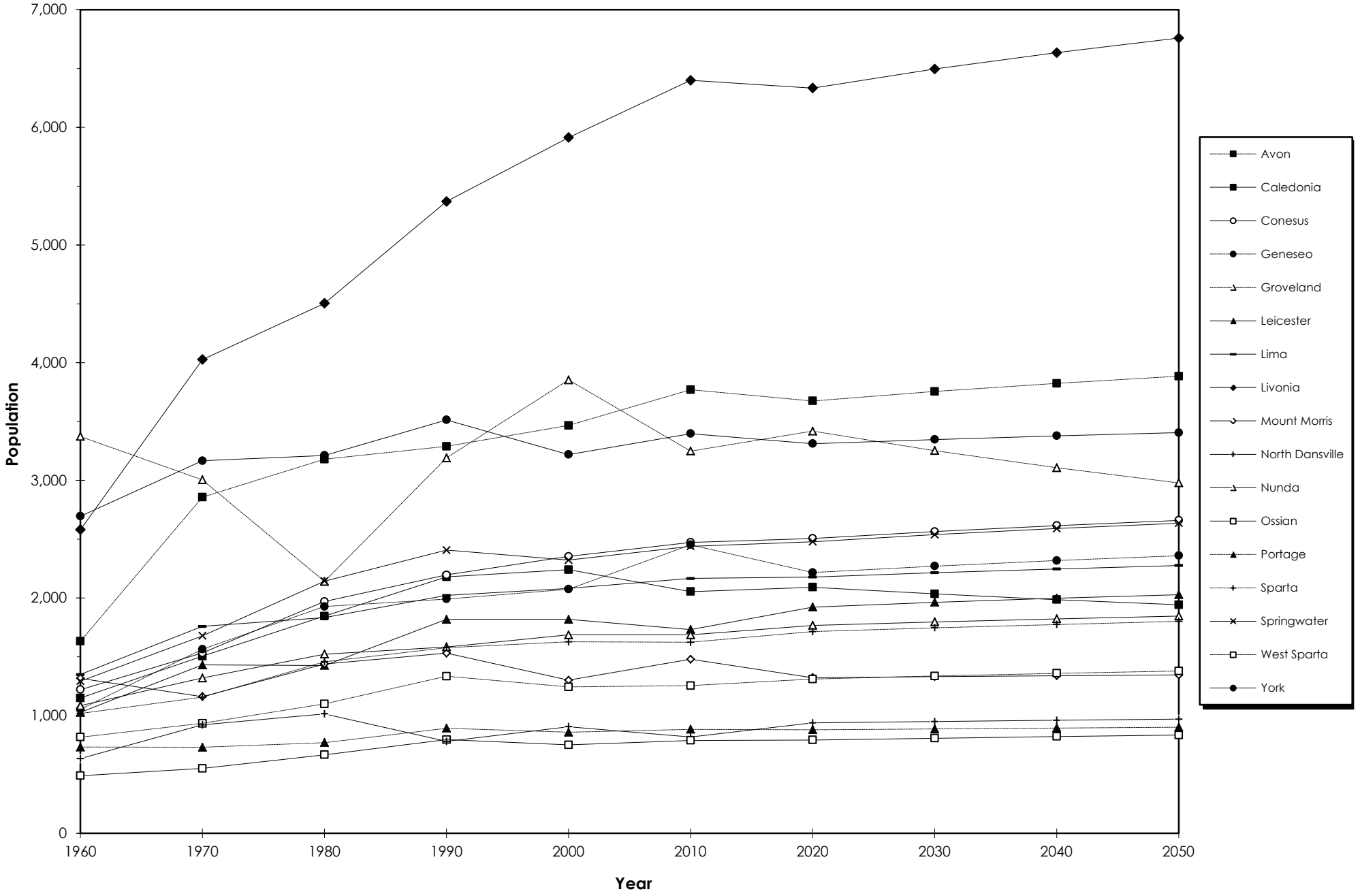
* NOTE - Town figures DO NOT include village (V) population. They are calculated as separate entities.

Historical and Projected Percent Change for Livingston County

Decennial Changes	1960-70 Percent	1970-80 Percent	1980-90 Percent	1990-00 Percent	2000-10 Percent	2010-20 Percent	2020-30 Percent	2030-40 Percent	2040-50 Percent
Livingston County	**22.7%**	**5.5%**	**9.4%**	**3.1%**	**1.7%**	**1.2%**	**1.1%**	**0.9%**	**0.8%**
Town of Avon	75.1%	11.3%	3.4%	5.4%	8.8%	-2.5%	2.2%	1.8%	1.6%
Village of Avon	17.6%	-7.8%	-0.4%	-0.6%	14.0%	-5.5%	2.7%	2.3%	2.0%
Town of Caledonia	30.9%	22.7%	18.0%	2.8%	-8.3%	1.8%	-2.7%	-2.4%	-2.2%
Village of Caledonia	21.4%	-6.0%	3.4%	2.9%	-5.4%	8.0%	0.8%	0.6%	0.6%
Town of Conesus	25.6%	28.5%	11.5%	7.1%	5.1%	1.3%	2.3%	2.0%	1.7%
Town of Geneseo	48.5%	23.2%	3.3%	4.2%	18.2%	-9.6%	2.5%	2.1%	1.8%
Village of Geneseo	74.0%	18.1%	6.5%	5.5%	6.0%	1.6%	2.7%	2.3%	2.0%
Town of Groveland	-10.9%	-28.8%	49.1%	20.8%	-15.7%	5.2%	-4.9%	-4.5%	-4.2%
Town of Leicester	39.3%	-0.3%	27.5%	0.0%	-4.7%	11.0%	2.1%	1.8%	1.5%
Village of Leicester	0.8%	25.5%	-12.3%	15.8%	-0.2%	3.0%	1.0%	0.8%	0.8%
Town of Lima	30.3%	4.3%	10.3%	3.0%	4.0%	0.6%	1.7%	1.4%	1.3%
Village of Lima	23.4%	20.1%	6.9%	13.6%	-13.0%	8.4%	-2.4%	-2.1%	-1.9%
Town of Livonia	56.0%	11.9%	19.2%	10.1%	8.2%	-1.0%	2.6%	2.1%	1.9%
Village of Livonia	35.1%	-3.1%	15.8%	-4.3%	2.6%	1.8%	1.5%	1.4%	1.2%
Town of Mount Morris	-11.8%	23.8%	6.4%	-15.0%	13.7%	-10.5%	0.7%	0.5%	0.5%
Village of Mount Morris	5.1%	-11.1%	2.1%	5.3%	-8.6%	8.8%	-0.2%	-0.2%	-0.2%
Town of North Dansville	45.2%	10.1%	-23.1%	16.0%	-9.6%	14.5%	1.3%	1.2%	0.9%
Village of Dansville	-0.4%	-8.4%	0.5%	-3.4%	-2.3%	0.7%	-0.6%	-0.6%	-0.5%
Town of Nunda	21.7%	15.4%	4.0%	6.5%	0.0%	4.7%	1.7%	1.4%	1.3%
Village of Nunda	2.5%	-6.8%	15.2%	-1.3%	3.5%	-2.5%	0.4%	0.4%	0.3%
Town of Ossian	12.7%	21.1%	19.5%	-5.8%	5.1%	0.5%	1.9%	1.9%	1.5%
Town of Portage	-0.3%	5.5%	15.8%	-3.8%	2.9%	-0.5%	0.8%	0.9%	0.7%
Town of Sparta	13.5%	26.0%	8.2%	3.1%	-0.2%	5.5%	1.9%	1.6%	1.5%
Town of Springwater	29.8%	27.7%	12.3%	-3.5%	5.0%	1.6%	2.4%	2.0%	1.8%
Town of West Sparta	14.4%	17.6%	21.4%	-6.8%	0.9%	4.5%	2.0%	1.7%	1.4%
Town of York	17.5%	1.5%	9.4%	-8.4%	5.5%	-2.5%	1.1%	0.9%	0.8%

* NOTE - Town figures DO NOT include village (V) population. They are calculated as separate entities.

Towns of Livingston County
Trend from 1960-2050



VI. Livingston County Trends

Historically, Livingston County has had exceptional growth within the Genesee-Finger Lakes Region. In fact, Livingston County had the second highest growth rate (48.4%) within the region in the last 50 years. The growth is projected to remain, but not at as high rate of the past. One problem encountered when gathering historical data for Livingston County, was a misplacement of group quarters data within Mount Morris from the 2000 Census. These numbers were corrected so that the overall population would not reflect the error.

The majority of the towns and villages in Livingston County have a projected increase in population. The Village of Geneseo has the largest projected increase due to the presence of SUNY Geneseo. Towns such as Avon and Lima will see an increase in population, likely due to its location in the Region. Avon is expected to continue to have sizeable development due to its proximity to Interstate 390.

The Town of Livonia is projected to grow above an average of about 1.5% through 2050, while the Village is projected to increase by 1.0% over that same period.

DP05

ACS DEMOGRAPHIC AND HOUSING ESTIMATES

2012-2016 American Community Survey 5-Year Estimates

Supporting documentation on code lists, subject definitions, data accuracy, and statistical testing can be found on the American Community Survey website in the Data and Documentation section.

Sample size and data quality measures (including coverage rates, allocation rates, and response rates) can be found on the American Community Survey website in the Methodology section.

Tell us what you think. Provide feedback to help make American Community Survey data more useful for you.

Although the American Community Survey (ACS) produces population, demographic and housing unit estimates, it is the Census Bureau's Population Estimates Program that produces and disseminates the official estimates of the population for the nation, states, counties, cities and towns and estimates of housing units for states and counties.

Subject	Dansville village, New York			
	Estimate	Margin of Error	Percent	Percent Margin of Error
SEX AND AGE				
Total population	4,529	+/-164	4,529	(X)
Male	2,170	+/-188	47.9%	+/-3.8
Female	2,359	+/-191	52.1%	+/-3.8
Under 5 years	168	+/-106	3.7%	+/-2.3
5 to 9 years	223	+/-101	4.9%	+/-2.2
10 to 14 years	202	+/-96	4.5%	+/-2.1
15 to 19 years	475	+/-144	10.5%	+/-3.2
20 to 24 years	330	+/-182	7.3%	+/-4.0
25 to 34 years	255	+/-110	5.6%	+/-2.4
35 to 44 years	650	+/-152	14.4%	+/-3.3
45 to 54 years	991	+/-174	21.9%	+/-3.8
55 to 59 years	335	+/-105	7.4%	+/-2.4
60 to 64 years	205	+/-90	4.5%	+/-2.0
65 to 74 years	307	+/-107	6.8%	+/-2.3
75 to 84 years	243	+/-89	5.4%	+/-1.9
85 years and over	145	+/-89	3.2%	+/-2.0
Median age (years)	44.3	+/-3.8	(X)	(X)
18 years and over	3,508	+/-213	77.5%	+/-3.6
21 years and over	3,458	+/-219	76.4%	+/-3.7
62 years and over	830	+/-128	18.3%	+/-2.8
65 years and over	695	+/-104	15.3%	+/-2.2
18 years and over	3,508	+/-213	3,508	(X)
Male	1,548	+/-203	44.1%	+/-4.7
Female	1,960	+/-184	55.9%	+/-4.7
65 years and over	695	+/-104	695	(X)
Male	245	+/-75	35.3%	+/-9.6

Subject	Dansville village, New York			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Female	450	+/-96	64.7%	+/-9.6
RACE				
Total population	4,529	+/-164	4,529	(X)
One race	4,437	+/-173	98.0%	+/-1.9
Two or more races	92	+/-88	2.0%	+/-1.9
One race	4,437	+/-173	98.0%	+/-1.9
White	4,375	+/-169	96.6%	+/-2.0
Black or African American	12	+/-23	0.3%	+/-0.5
American Indian and Alaska Native	0	+/-11	0.0%	+/-0.7
Cherokee tribal grouping	0	+/-11	0.0%	+/-0.7
Chippewa tribal grouping	0	+/-11	0.0%	+/-0.7
Navajo tribal grouping	0	+/-11	0.0%	+/-0.7
Sioux tribal grouping	0	+/-11	0.0%	+/-0.7
Asian	1	+/-2	0.0%	+/-0.1
Asian Indian	0	+/-11	0.0%	+/-0.7
Chinese	1	+/-2	0.0%	+/-0.1
Filipino	0	+/-11	0.0%	+/-0.7
Japanese	0	+/-11	0.0%	+/-0.7
Korean	0	+/-11	0.0%	+/-0.7
Vietnamese	0	+/-11	0.0%	+/-0.7
Other Asian	0	+/-11	0.0%	+/-0.7
Native Hawaiian and Other Pacific Islander	0	+/-11	0.0%	+/-0.7
Native Hawaiian	0	+/-11	0.0%	+/-0.7
Guamanian or Chamorro	0	+/-11	0.0%	+/-0.7
Samoan	0	+/-11	0.0%	+/-0.7
Other Pacific Islander	0	+/-11	0.0%	+/-0.7
Some other race	49	+/-51	1.1%	+/-1.1
Two or more races	92	+/-88	2.0%	+/-1.9
White and Black or African American	76	+/-86	1.7%	+/-1.9
White and American Indian and Alaska Native	0	+/-11	0.0%	+/-0.7
White and Asian	0	+/-11	0.0%	+/-0.7
Black or African American and American Indian and Alaska Native	1	+/-3	0.0%	+/-0.1
Race alone or in combination with one or more other races				
Total population	4,529	+/-164	4,529	(X)
White	4,466	+/-167	98.6%	+/-1.2
Black or African American	89	+/-85	2.0%	+/-1.9
American Indian and Alaska Native	1	+/-3	0.0%	+/-0.1
Asian	1	+/-2	0.0%	+/-0.1
Native Hawaiian and Other Pacific Islander	0	+/-11	0.0%	+/-0.7
Some other race	64	+/-41	1.4%	+/-0.9
HISPANIC OR LATINO AND RACE				
Total population	4,529	+/-164	4,529	(X)
Hispanic or Latino (of any race)	71	+/-96	1.6%	+/-2.1
Mexican	62	+/-95	1.4%	+/-2.1
Puerto Rican	0	+/-11	0.0%	+/-0.7
Cuban	0	+/-11	0.0%	+/-0.7
Other Hispanic or Latino	9	+/-18	0.2%	+/-0.4
Not Hispanic or Latino	4,458	+/-173	98.4%	+/-2.1
White alone	4,313	+/-176	95.2%	+/-2.9
Black or African American alone	12	+/-23	0.3%	+/-0.5
American Indian and Alaska Native alone	0	+/-11	0.0%	+/-0.7
Asian alone	1	+/-2	0.0%	+/-0.1
Native Hawaiian and Other Pacific Islander alone	0	+/-11	0.0%	+/-0.7

Subject	Dansville village, New York			
	Estimate	Margin of Error	Percent	Percent Margin of Error
Some other race alone	40	+/-50	0.9%	+/-1.1
Two or more races	92	+/-88	2.0%	+/-1.9
Two races including Some other race	15	+/-26	0.3%	+/-0.6
Two races excluding Some other race, and Three or more races	77	+/-85	1.7%	+/-1.9
Total housing units	2,182	+/-164	(X)	(X)
CITIZEN, VOTING AGE POPULATION				
Citizen, 18 and over population	3,486	+/-215	3,486	(X)
Male	1,528	+/-201	43.8%	+/-4.6
Female	1,958	+/-183	56.2%	+/-4.6

Data are based on a sample and are subject to sampling variability. The degree of uncertainty for an estimate arising from sampling variability is represented through the use of a margin of error. The value shown here is the 90 percent margin of error. The margin of error can be interpreted roughly as providing a 90 percent probability that the interval defined by the estimate minus the margin of error and the estimate plus the margin of error (the lower and upper confidence bounds) contains the true value. In addition to sampling variability, the ACS estimates are subject to nonsampling error (for a discussion of nonsampling variability, see Accuracy of the Data). The effect of nonsampling error is not represented in these tables.

For more information on understanding race and Hispanic origin data, please see the Census 2010 Brief entitled, Overview of Race and Hispanic Origin: 2010, issued March 2011. (pdf format)

While the 2012-2016 American Community Survey (ACS) data generally reflect the February 2013 Office of Management and Budget (OMB) definitions of metropolitan and micropolitan statistical areas; in certain instances the names, codes, and boundaries of the principal cities shown in ACS tables may differ from the OMB definitions due to differences in the effective dates of the geographic entities.

Estimates of urban and rural population, housing units, and characteristics reflect boundaries of urban areas defined based on Census 2010 data. As a result, data for urban and rural areas from the ACS do not necessarily reflect the results of ongoing urbanization.

Source: U.S. Census Bureau, 2012-2016 American Community Survey 5-Year Estimates

Explanation of Symbols:

1. An '**' entry in the margin of error column indicates that either no sample observations or too few sample observations were available to compute a standard error and thus the margin of error. A statistical test is not appropriate.
2. An '-' entry in the estimate column indicates that either no sample observations or too few sample observations were available to compute an estimate, or a ratio of medians cannot be calculated because one or both of the median estimates falls in the lowest interval or upper interval of an open-ended distribution.
3. An '-' following a median estimate means the median falls in the lowest interval of an open-ended distribution.
4. An '+' following a median estimate means the median falls in the upper interval of an open-ended distribution.
5. An '***' entry in the margin of error column indicates that the median falls in the lowest interval or upper interval of an open-ended distribution. A statistical test is not appropriate.
6. An '*****' entry in the margin of error column indicates that the estimate is controlled. A statistical test for sampling variability is not appropriate.
7. An 'N' entry in the estimate and margin of error columns indicates that data for this geographic area cannot be displayed because the number of sample cases is too small.
8. An '(X)' means that the estimate is not applicable or not available.

APPENDIX E

HYDRANT FLOW TESTS 2018

Test I, Loc: 1R
Top of Hill at Morey

Test I, Loc: 1F
44 Morey Ave

Test H, Loc: 3R
Cottage & Perine St

Test G, Loc: 4R
Cottage & Seward

Test J, Loc: 2F
In Park

Test H, Loc: 3F
Perine & Clay St

Test G, Loc: 4F
Clay & Seward

Test J, Loc: 2R
27 North Clinton St

Water Plant and Tank

J786 - System High Point
in Village - 36 psi

Test K, Loc: 5F
End of Rober Hart Dt

Test K, Loc: 5R
Robert Hart Dr

Test B, Loc: 6F
Pine St & Lincoln Ave

Test B, Loc: 6R
West Ave & Lincoln Ave

Test E, Loc: 8R
Deer Park Dr &
Greenmount Ave

Test F, Loc: 7R
25 Crestwood Cr

Test D, Loc: 11R
Clara Barton St

Test F, Loc: 7F
93 Crestwood Cr

Test A, Loc: 9R
Maple & Franklin

Test D, Loc: 11F
Red Jacket St & Clara Barton

Test C, Loc: 10F
Earle Dr

Test A, Loc: 9F
Sewer Plant

Test C, Loc: 10R
End of Gray St

FILE PATH LOCATION N:\0410.18003.000\dwg\Hydrant_Test_11x17_L1.mxd

WATER SYSTEM STUDY

VILLAGE OF DANSVILLE, LIVINGSTON CO., NY

HYDRANT TEST LOCATIONS

Drawn By: TJV

Scale: 1" = 1,000'

Date: MAR 2019

MRB | group
Engineering, Architecture, Surveying, D.P.C.
145 Culver Road, Suite 160, Rochester, New York, 14620 585-381-9250 FAX 585-381-1008
www.mrbgroup.com

PROJECT NO.

0410.18003

SHEET NO.

1 of 1

VILLAGE OF DANSVILLE

HYDRANT FLOW TEST RESULTS

MRG GROUP 0410.18003.000

10/11/2018

Test	Location ID	Location Description	Hydrant Node ID	Static Pressure (psi) Before	Static Pressure (psi) After	Residual (psi)
A	9R	Maple & Franklin	FN_H_1	118.19	118.43	44.06
B	6R	West Ave & Lincoln Ave	WA_H_4	97.93	98.39	83.43
C	10R	End oF Gray St	ED_H_1	106.58	106.61	92.18
D	11R	Clara Barton St	CB_H_2	95.31	94.92	85.50
E	8R	Deer Park Dr & Greenmount Ave	GA_H_1	60.25	60.29	11.90
F	7R	25 Crestwood Cr	CW_H_4	71.06	71.17	12.48
G	4R	Cottage & Seward	SD_H_3	93.49	93.18	54.08
H	3R	Cottage & Perine St	PE_H_3	98.15	98.70	83.22
I	1R	Top of Hill @ Morey	MY_H_6	92.70	92.87	67.00
J	2R	27 North Clinton St	NC_H_1	111.74	111.93	17.29
K	5R	Robert Hart Dr	RH_H_2	131.72	132.16	65.94

Test	Location ID	Location Description	Hydrant Node ID	Flow (gpm)
A	9F	Sewer Plant	TP_H_1	773.09
B	6F	Pine St & Lincoln Ave	PN_H_2	832.63
C	10F	Earle Dr	ED_H_2	341.37
D	11F	Red Jacket St & Clara Barton	RJ_H_1	642.92
E	8F	Deer Park Ave	DP_H_2	332.38
F	7F	93 Crestwood Cr	CW_H_1	415.78
G	4F	Clay & Seward	SD_H_2	552.39
H	3F	Perine & Clay St	PE_H_2	624.89
I	1F	44 Morey Ave	MY_H_4	696.30
J	2F	In Park	WN_H_1	231.62
K	5F	End of Rober Hart Dt	RH_H_1	1,168.68

APPENDIX F

PRELIMINARY HYDRAULIC CALCULATIONS

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
VILLAGE OF DANSVILLE					
CB_H_2	96.55	0:00	92.78	9:00	95.47
CW_H_1	77.52	0:00	74.8	9:00	76.75
CW_H_4	72.37	0:00	69.64	9:00	71.59
ED_H_1	107.94	0:00	104.03	9:00	106.83
ED_H_2	104.92	0:00	101.01	9:00	103.81
FN_H_1	119.27	0:00	114.48	9:00	117.91
GA_H_1	61.08	0:00	58.35	9:00	60.3
J10	121.09	0:00	116.28	9:00	119.72
J100	99.16	0:00	95.28	9:00	98.05
J102	93.84	0:00	89.98	9:00	92.74
J104	93.78	0:00	89.93	9:00	92.68
J106	94.54	0:00	90.7	9:00	93.45
J108	98.17	0:00	94.35	9:00	97.08
J110	98.11	0:00	94.29	9:00	97.02
J112	101.45	0:00	97.53	9:00	100.34
J114	95.75	0:00	91.83	9:00	94.63
J116	97.57	0:00	93.63	9:00	96.45
J118	100.95	0:00	97.25	9:00	99.9
J12	119.68	0:00	114.88	9:00	118.31
J120	102.92	0:00	99.26	9:00	101.88
J122	101.18	0:00	98.44	9:00	100.39
J124	102.92	0:00	99.26	9:00	101.88
J128	93.29	0:00	89.52	9:00	92.21
J130	91.72	0:00	87.97	9:00	90.65
J132	88.8	0:00	85.11	9:00	87.75
J134	88.53	0:00	84.84	9:00	87.48
J136	82.17	0:00	78.64	9:00	81.16
J138	82.7	0:00	79.18	9:00	81.7
J14	119.84	0:00	115.04	9:00	118.47
J140	85.21	0:00	81.54	9:00	84.17
J142	85.85	0:00	82.17	9:00	84.8
J144	89.44	0:00	85.66	9:00	88.36
J146	91.27	0:00	87.45	9:00	90.18
J148	92.43	0:00	88.58	9:00	91.33
J150	96.04	0:00	92.12	9:00	94.92
J156	102.23	0:00	98.23	9:00	101.09
J158	104.68	0:00	100.66	9:00	103.54
J16	119.83	0:00	114.99	9:00	118.46
J160	107.76	0:00	103.72	9:00	106.61
J162	110.86	0:00	106.82	9:00	109.71
J164	110.97	0:00	106.93	9:00	109.82
J166	115.85	0:00	111.78	9:00	114.69
J170	112.97	0:00	108.92	9:00	111.82

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
J172	114.9	0:00	110.76	9:00	113.72
J174	117.38	0:00	113.31	9:00	116.22
J176	116.52	0:00	112.46	9:00	115.36
J178	121.72	0:00	117.65	9:00	120.56
J18	114.19	0:00	109.9	9:00	112.97
J180	104.3	0:00	100.28	9:00	103.16
J182	109.5	0:00	105.41	9:00	108.34
J184	92.77	0:00	88.91	9:00	91.67
J186	88.72	0:00	84.94	9:00	87.64
J190	89.03	0:00	85.25	9:00	87.95
J192	92.73	0:00	88.95	9:00	91.65
J194	91.3	0:00	87.54	9:00	90.23
J196	87.01	0:00	83.26	9:00	85.95
J198	86.69	0:00	83	9:00	85.64
J200	86.69	0:00	83.01	9:00	85.64
J204	91.72	0:00	88.02	9:00	90.67
J206	61.2	0:00	58.97	9:00	60.56
J208	66.95	0:00	64.29	9:00	66.19
J210	76.92	0:00	73.67	9:00	75.99
J212	81.58	0:00	78.1	9:00	80.59
J214	68.04	0:00	65.32	9:00	67.26
J216	68.64	0:00	65.92	9:00	67.86
J22	111.59	0:00	107.34	9:00	110.38
J220	71.82	0:00	69.1	9:00	71.04
J222	72.36	0:00	69.63	9:00	71.58
J224	75.73	0:00	73.01	9:00	74.96
J226	61.15	0:00	58.41	9:00	60.36
J228	81.88	0:00	78.4	9:00	80.89
J230	78.56	0:00	75.08	9:00	77.57
J232	86.99	0:00	83.28	9:00	85.93
J234	82.5	0:00	78.8	9:00	81.44
J236	57.27	0:00	53.62	9:00	56.23
J238	48.78	0:00	45.27	9:00	47.78
J24	109.54	0:00	105.36	9:00	108.35
J246	83.4	0:00	79.76	9:00	82.36
J250	85.48	0:00	81.77	9:00	84.43
J252	83.83	0:00	80.11	9:00	82.77
J254	83.83	0:00	80.11	9:00	82.77
J256	83.83	0:00	80.11	9:00	82.77
J258	90.03	0:00	86.25	9:00	88.96
J26	106.24	0:00	102.27	9:00	105.11
J260	91.43	0:00	87.61	9:00	90.34
J262	93.13	0:00	89.27	9:00	92.03
J264	93.88	0:00	89.99	9:00	92.77

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
J266	96.58	0:00	92.65	9:00	95.46
J268	99.5	0:00	95.53	9:00	98.37
J270	104.02	0:00	100.02	9:00	102.88
J272	104.02	0:00	100	9:00	102.88
J274	103.94	0:00	99.92	9:00	102.79
J276	103.64	0:00	99.62	9:00	102.5
J278	104.29	0:00	100.28	9:00	103.14
J28	111.61	0:00	107.63	9:00	110.48
J280	103.03	0:00	99.03	9:00	101.89
J282	102.34	0:00	98.33	9:00	101.2
J284	101.99	0:00	97.99	9:00	100.85
J286	100.11	0:00	96.12	9:00	98.97
J288	100.34	0:00	96.35	9:00	99.2
J290	100.19	0:00	96.2	9:00	99.05
J292	94.14	0:00	90.17	9:00	93.01
J294	91.23	0:00	87.28	9:00	90.1
J296	88.73	0:00	84.8	9:00	87.61
J298	85.96	0:00	82.07	9:00	84.85
J30	111.73	0:00	107.76	9:00	110.6
J300	82.82	0:00	78.99	9:00	81.73
J302	63.44	0:00	59.65	9:00	62.36
J304	64.5	0:00	60.74	9:00	63.43
J306	90.5	0:00	86.72	9:00	89.42
J308	87.34	0:00	83.56	9:00	86.26
J310	92.92	0:00	89.1	9:00	91.83
J312	92.37	0:00	88.54	9:00	91.28
J314	95.51	0:00	91.59	9:00	94.4
J316	94.99	0:00	91.06	9:00	93.87
J318	95.11	0:00	91.17	9:00	93.99
J320	94.93	0:00	91.04	9:00	93.82
J322	68.27	0:00	64.37	9:00	67.16
J324	63.5	0:00	59.6	9:00	62.39
J326	96.61	0:00	92.68	9:00	95.49
J328	83.34	0:00	79.71	9:00	82.31
J332	92.72	0:00	88.74	9:00	91.59
J334	88.22	0:00	84.24	9:00	87.09
J336	108.81	0:00	104.78	9:00	107.66
J338	108.17	0:00	104.14	9:00	107.02
J34	108.91	0:00	104.8	9:00	107.74
J340	106.53	0:00	102.49	9:00	105.38
J342	107.62	0:00	103.58	9:00	106.47
J344	107.62	0:00	103.58	9:00	106.47
J346	107.65	0:00	103.61	9:00	106.5
J348	111.51	0:00	107.46	9:00	110.35

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
J350	112.11	0:00	108.05	9:00	110.95
J352	112.11	0:00	108.04	9:00	110.95
J354	114.33	0:00	110.25	9:00	113.17
J356	112.26	0:00	108.2	9:00	111.11
J358	112.16	0:00	108.1	9:00	111.01
J36	109.54	0:00	105.43	9:00	108.37
J360	115	0:00	110.93	9:00	113.84
J362	114.55	0:00	110.48	9:00	113.39
J364	106.53	0:00	102.5	9:00	105.38
J366	106.6	0:00	102.57	9:00	105.45
J368	106.6	0:00	102.57	9:00	105.45
J370	67.23	0:00	64.53	9:00	66.46
J38	109.64	0:00	105.54	9:00	108.47
J388	67.05	0:00	63.1	9:00	65.92
J390	58.35	0:00	54.4	9:00	57.23
J392	79.05	0:00	75.71	9:00	78.1
J394	78.57	0:00	75.23	9:00	77.62
J396	72.8	0:00	69.46	9:00	71.84
J398	83.4	0:00	79.76	9:00	82.36
J40	109.54	0:00	105.43	9:00	108.37
J400	78.71	0:00	75.08	9:00	77.68
J402	92.43	0:00	88.58	9:00	91.34
J404	88.2	0:00	84.42	9:00	87.12
J406	88.72	0:00	84.94	9:00	87.64
J408	87.42	0:00	83.66	9:00	86.35
J410	87.24	0:00	83.48	9:00	86.17
J412	72.37	0:00	69.64	9:00	71.59
J416	68.42	0:00	65.7	9:00	67.65
J418	76.14	0:00	73.42	9:00	75.37
J42	103.57	0:00	99.58	9:00	102.44
J420	76.15	0:00	73.43	9:00	75.37
J422	74.42	0:00	71.7	9:00	73.65
J434	103.42	0:00	99.47	9:00	102.29
J436	102.69	0:00	98.74	9:00	101.57
J438	120.07	0:00	115.01	9:00	118.61
J44	99.09	0:00	95.13	9:00	97.96
J440	121.72	0:00	117.65	9:00	120.56
J442	125.64	0:00	121.58	9:00	124.48
J444	125.73	0:00	121.67	9:00	124.58
J446	132.71	0:00	128.64	9:00	131.55
J448	133.87	0:00	129.8	9:00	132.71
J450	135.49	0:00	131.43	9:00	134.33
J452	121.61	0:00	116.8	9:00	120.24
J458	113.86	0:00	109.56	9:00	112.63

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
J46	99.12	0:00	95.16	9:00	97.99
J460	111.35	0:00	107.38	9:00	110.22
J462	111.35	0:00	107.39	9:00	110.22
J464	107.9	0:00	103.99	9:00	106.79
J466	107.9	0:00	103.99	9:00	106.79
J468	100.49	0:00	96.52	9:00	99.36
J470	104.65	0:00	100.68	9:00	103.52
J472	99.14	0:00	95.31	9:00	98.05
J474	90.39	0:00	86.68	9:00	89.33
J476	91.72	0:00	88.02	9:00	90.67
J478	68.64	0:00	65.93	9:00	67.87
J48	103.42	0:00	99.47	9:00	102.29
J480	75.74	0:00	73.02	9:00	74.96
J486	48.69	0:00	46.12	9:00	47.96
J492	92.87	0:00	88.84	9:00	91.72
J494	103.64	0:00	99.62	9:00	102.49
J496	106.94	0:00	102.91	9:00	105.8
J498	104.28	0:00	100.25	9:00	103.13
J50	97.57	0:00	93.63	9:00	96.44
J500	103.82	0:00	99.8	9:00	102.68
J502	99.57	0:00	95.6	9:00	98.44
J504	99.02	0:00	95.07	9:00	97.9
J506	98.81	0:00	94.86	9:00	97.68
J510	104.43	0:00	100.4	9:00	103.28
J512	108.44	0:00	104.4	9:00	107.29
J514	112	0:00	107.95	9:00	110.84
J516	115	0:00	110.93	9:00	113.84
J518	106.73	0:00	102.7	9:00	105.58
J52	102.91	0:00	98.97	9:00	101.79
J522	106.73	0:00	102.7	9:00	105.58
J526	117.01	0:00	112.64	9:00	115.77
J528	117.18	0:00	112.8	9:00	115.93
J530	98.81	0:00	94.86	9:00	97.68
J532	101.42	0:00	98.68	9:00	100.64
J534	94.8	0:00	90.91	9:00	93.69
J54	104.01	0:00	100.07	9:00	102.89
J56	104.96	0:00	101.01	9:00	103.83
J58	105.95	0:00	101.99	9:00	104.82
J596	68.09	0:00	65.86	9:00	67.45
J60	106.41	0:00	102.43	9:00	105.27
J62	104.65	0:00	100.68	9:00	103.52
J632	99.74	0:00	95.67	9:00	98.58
J634	120.91	0:00	116.82	9:00	119.75
J644	112.28	0:00	108.3	9:00	111.14

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
J66	103.21	0:00	99.26	9:00	102.09
J664	94.53	0:00	90.49	9:00	93.38
J674	113.81	0:00	109.74	9:00	112.65
J68	100.5	0:00	96.57	9:00	99.38
J682	100.11	0:00	96.12	9:00	98.97
J686	100.06	0:00	96.07	9:00	98.92
J690	94.94	0:00	91.04	9:00	93.83
J696	94.77	0:00	90.87	9:00	93.66
J70	100.58	0:00	96.67	9:00	99.46
J702	134.05	0:00	129.99	9:00	132.89
J712	99.34	0:00	95.47	9:00	98.24
J716	101.84	0:00	97.92	9:00	100.73
J72	96.65	0:00	92.86	9:00	95.57
J722	77.52	0:00	74.8	9:00	76.75
J726	61.08	0:00	58.35	9:00	60.3
J734	119.27	0:00	114.48	9:00	117.91
J74	99.58	0:00	95.67	9:00	98.47
J742	107.9	0:00	103.99	9:00	106.79
J746	101.07	0:00	97.36	9:00	100.01
J754	96.55	0:00	92.78	9:00	95.47
J76	102.32	0:00	98.4	9:00	101.21
J764	101.59	0:00	98.77	9:00	100.78
J766	111.61	0:00	107.63	9:00	110.48
J774	120.93	0:00	116.13	9:00	119.57
J776	106.56	0:00	102.48	9:00	105.4
J778	106.7	0:00	102.62	9:00	105.54
J78	103.13	0:00	99.18	9:00	102
J780	115.86	0:00	111.79	9:00	114.7
J784	63.72	0:00	59.77	9:00	62.59
J786	39.37	0:00	36.21	9:00	38.47
J792	87.86	0:00	84.08	9:00	86.78
J796	132.89	0:00	128.83	9:00	131.73
J80	103.13	0:00	99.18	9:00	102
J800	102.54	0:00	98.92	9:00	101.51
J802	68.42	0:00	65.72	9:00	67.65
J804	91.12	0:00	87.41	9:00	90.06
J806	89.4	0:00	85.68	9:00	88.34
J808	92.24	0:00	88.5	9:00	91.17
J810	95.17	0:00	91.46	9:00	94.11
J812	90.54	0:00	86.82	9:00	89.48
J82	103.13	0:00	99.18	9:00	102
J84	111.61	0:00	107.64	9:00	110.48
J86	111.35	0:00	107.39	9:00	110.22
J88	107.68	0:00	103.77	9:00	106.57

PRESSURE

ID	Max.Value (psi)	Max.Time (hrs.)	Min.Value (psi)	Min.Time (hrs.)	Average (psi)
J90	99.19	0:00	95.31	9:00	98.08
J92	101.45	0:00	97.53	9:00	100.34
J94	101.45	0:00	97.53	9:00	100.34
J96	99.97	0:00	96.07	9:00	98.86
J98	97.73	0:00	93.94	9:00	96.65
MY_H_4	108.9	0:00	104.87	9:00	107.75
MY_H_6	94.53	0:00	90.49	9:00	93.38
NC_H_1	113.81	0:00	109.74	9:00	112.65
PE_H_2	100.11	0:00	96.12	9:00	98.97
PE_H_3	100.06	0:00	96.07	9:00	98.92
PN_H_2	101.84	0:00	97.92	9:00	100.73
RH_H_1	135.44	0:00	131.38	9:00	134.28
RH_H_2	134.05	0:00	129.99	9:00	132.89
RJ_H_1	101.07	0:00	97.36	9:00	100.01
SD_H_2	94.94	0:00	91.04	9:00	93.83
SD_H_3	94.77	0:00	90.87	9:00	93.66
TP_H_1	121.3	0:00	116.49	9:00	119.93
WA_H_4	99.34	0:00	95.47	9:00	98.24
WN_H_1	115.1	0:00	111.03	9:00	113.94

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)
VILLAGE OF DANSVILLE								
CB_H_2	1,232.17	1,983.34	J786	1.15	842.21	1,233.20	20	60.75
CW_H_1	378.24	396.14	J222	15.72	799.75	379.27	20	24.35
CW_H_4	146.63	147.65	CW_H_4	20	809.6	147.65	20	20.01
ED_H_1	901.78	905.6	ED_H_2	19.54	733.25	902.8	20	20.48
ED_H_2	763.86	764.88	ED_H_2	20	734.31	764.88	20	20.01
FN_H_1	853.69	859.97	J584	19.04	711.25	854.71	20	21.03
GA_H_1	232.32	249.15	DP_H_2	15.47	835.99	233.34	20	24.55
J10	712.58	718.09	J456	18.69	692.67	712.59	20	21.31
J100	1,200.24	2,029.79	J786	-2.03	834.87	1,200.29	20	64.54
J102	1,197.28	2,207.32	J786	-7.85	821.42	1,197.31	20	64.86
J104	1,196.98	2,228.98	J786	-8.57	819.76	1,196.99	20	65.21
J106	1,198.26	2,219.66	J786	-8.19	820.65	1,198.27	20	65.54
J108	1,206.14	2,089.05	J786	-3.52	831.43	1,206.17	20	65.12
J110	1,207.33	2,096.45	J786	-3.69	831.04	1,207.35	20	65.21
J112	1,197.65	2,056.31	J786	-3.06	832.48	1,197.76	20	66.7
J114	1,193.21	2,084.94	J786	-4.15	829.96	1,193.26	20	63.87
J116	1,187.51	2,252.61	J786	-10.03	816.41	1,187.52	20	68.37
J118	1,261.09	2,174.70	J786	-3.06	832.48	1,261.12	20	66.83
J12	852.87	879.36	J584	15.08	702.11	852.89	20	24.99
J120	1,278.70	2,115.71	J786	-0.46	838.49	1,278.72	20	66
J122	1,469.31	2,964.69	J786	-16.01	802.61	1,469.35	20	74.32
J124	901.59	901.65	J124	20	738.97	901.65	20	20
J128	1,212.57	2,034.77	J786	-1.5	836.1	1,212.59	20	60.67
J130	1,215.01	1,952.92	J786	1.08	842.05	1,215.03	20	57.72
J132	1,221.73	2,119.71	J786	-3.63	831.18	1,221.74	20	59.31
J134	1,223.22	2,161.39	J786	-4.87	828.3	1,223.25	20	59.88
J136	1,258.82	1,868.03	J786	5.31	851.81	1,258.90	20	48.77
J138	1,240.79	2,373.91	J786	-10.82	814.57	1,240.83	20	58.79
J14	851.23	884.79	J584	13.73	699.01	851.26	20	26.27
J140	1,208.47	2,380.36	J786	-13.08	809.36	1,208.51	20	61.34
J142	1,201.89	2,382.88	J786	-13.59	808.18	1,201.93	20	61.98
J144	1,190.72	2,410.51	J786	-15.39	804.04	1,190.79	20	65.1
J146	1,187.00	2,410.79	J786	-15.69	803.33	1,187.07	20	66.46
J148	1,186.04	2,407.76	J786	-15.64	803.46	1,186.10	20	67.22
J150	1,188.20	2,422.65	J786	-16.1	802.4	1,188.31	20	69.9
J156	1,183.79	2,397.02	J786	-15.39	804.03	1,183.83	20	73.93
J158	1,183.19	2,370.72	J786	-14.49	806.12	1,183.23	20	75.22
J16	817.95	850.13	J584	13.75	699.06	817.96	20	26.25
J160	1,182.43	2,323.14	J786	-12.84	809.92	1,182.45	20	76.61
J162	1,182.76	2,295.06	J786	-11.84	812.22	1,182.79	20	78.27
J164	1,182.73	2,248.36	J786	-10.23	815.94	1,182.76	20	77.43
J166	1,185.76	1,202.68	J786	19.62	884.84	1,185.85	20	22.28
J170	1,183.55	2,224.99	J786	-9.4	817.86	1,183.60	20	78.18
J172	1,183.66	1,665.05	J786	7.93	857.85	1,183.70	20	60.39
J174	1,182.17	2,076.39	J786	-4.51	829.15	1,182.18	20	77.5
J176	1,182.20	2,125.17	J786	-6.1	825.47	1,182.21	20	78.25
J178	1,182.39	1,959.77	J786	-0.8	837.71	1,182.40	20	76.69
J18	1,054.66	1,056.92	J458	19.66	712.87	1,054.71	20	20.34
J180	1,182.92	2,372.61	J786	-14.56	805.94	1,182.95	20	74.98
J182	1,185.85	1,447.80	J786	13.77	871.33	1,185.90	20	45.29
J184	1,192.53	2,040.21	J786	-2.77	833.16	1,192.56	20	61.16
J186	1,198.24	2,009.06	J786	-1.5	836.1	1,198.27	20	57.84
J190	1,204.69	2,105.13	J786	-4.14	830	1,204.71	20	59.71
J192	1,211.07	2,014.09	J786	-0.98	837.28	1,211.11	20	59.93
J194	1,211.12	1,430.42	J786	14.96	874.08	1,211.15	20	37.16
J196	1,209.30	1,904.91	J786	2.21	844.65	1,209.31	20	54.06
J198	1,214.74	2,183.63	J786	-6.07	825.54	1,214.78	20	59.34
J200	1,213.92	2,183.54	J786	-6.12	825.42	1,213.95	20	59.37
J204	1,225.30	1,625.74	J786	10.56	863.92	1,225.31	20	46.31
J206	1,676.41	2,414.46	J786	5.91	853.2	1,676.42	20	37.56
J208	1,505.91	2,370.52	J786	1.33	842.63	1,505.93	20	43.24
J210	1,306.85	2,340.21	J786	-6.24	825.15	1,306.92	20	53.04
J212	1,250.17	2,360.96	J786	-9.82	816.88	1,250.20	20	57.65
J214	463.43	545.83	DP_H_2	8.36	819.58	463.44	20	31.64
J216	429.89	509.68	DP_H_2	7.76	818.19	429.91	20	32.24
J22	1,150.32	1,150.44	J22	20	718.88	1,150.44	20	20
J220	381.23	381.25	J220	20	810.86	381.25	20	20
J222	380.25	380.28	J222	20	809.62	380.28	20	20
J224	381.13	394.34	J222	16.68	801.95	381.17	20	23.33
J226	234.77	251.32	DP_H_2	15.26	835.5	234.8	20	24.74
J228	1,207.93	1,248.62	J230	16.68	787.56	1,208.00	20	23.32
J230	1,027.17	1,027.26	J230	20	795.22	1,027.26	20	20
J232	1,128.97	1,983.94	J786	-4.85	828.36	1,129.07	20	58.95

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)
J234	985.07	1,574.59	J786	0.17	839.94	985.15	20	52.81
J236	909.54	1,176.46	J786	10.92	864.76	909.57	20	32.12
J238	803.21	968.52	J786	13.65	871.05	803.26	20	27.11
J24	1,188.43	1,343.29	J786	16.42	877.44	1,188.50	20	36.61
J246	908.15	1,249.08	J786	8.09	858.22	908.22	20	45.87
J250	801.31	813.44	J256	18.34	779.21	801.37	20	21.66
J252	734.02	734.03	J256	20	783.03	734.03	20	20
J254	712.71	712.72	J254	20	783.03	712.72	20	20
J256	646.08	646.1	J256	20	783.03	646.1	20	20
J258	1,153.35	2,168.20	J786	-9.64	817.3	1,153.42	20	63.28
J26	1,195.53	1,544.42	J786	11.63	866.38	1,195.55	20	49.68
J260	1,168.17	2,203.81	J786	-9.72	817.11	1,168.21	20	64.22
J262	1,178.95	2,153.70	J786	-7.26	822.79	1,178.96	20	64.05
J264	1,181.31	2,055.56	J786	-3.92	830.51	1,181.33	20	62.53
J266	1,184.97	2,097.39	J786	-5.08	827.82	1,185.03	20	64.95
J268	1,183.26	2,208.80	J786	-8.86	819.11	1,183.29	20	69.01
J270	1,182.85	2,259.51	J786	-10.63	815.02	1,182.90	20	73
J272	1,183.12	2,134.57	J786	-6.41	824.76	1,183.18	20	70.48
J274	1,181.26	2,017.51	J786	-2.7	833.31	1,181.29	20	67.75
J276	1,179.57	1,946.79	J786	-0.56	838.25	1,179.60	20	65.75
J278	1,177.56	1,910.39	J786	0.46	840.62	1,177.59	20	65.19
J28	1,198.25	1,244.63	J786	18.97	883.33	1,198.28	20	25.72
J280	1,175.07	1,869.25	J786	1.56	843.16	1,175.14	20	63.4
J282	1,179.42	1,963.24	J786	-1.09	837.03	1,179.45	20	65.46
J284	1,181.14	2,019.44	J786	-2.77	833.16	1,181.18	20	66.62
J286	1,184.84	1,872.06	J786	1.95	844.05	1,184.92	20	61.38
J288	1,184.25	1,646.48	J786	8.45	859.04	1,184.32	20	53.3
J290	1,104.91	1,105.99	J686	19.87	745.24	1,104.97	20	20.13
J292	928.76	1,311.31	J390	-8.57	775.85	928.78	20	51.97
J294	873.62	1,278.39	J390	-12.88	765.91	873.64	20	52.88
J296	953.63	1,282.95	J390	-3.37	787.86	953.66	20	46.34
J298	1,039.79	1,344.10	J324	-2.47	778.06	1,039.83	20	42.47
J30	1,182.31	1,183.28	J766	19.87	718.58	1,182.34	20	20.13
J300	1,086.05	1,512.27	J786	8.1	858.23	1,086.08	20	45.72
J302	1,044.15	1,150.84	J786	17.13	879.08	1,044.18	20	26.18
J304	1,002.73	1,282.35	J786	11.66	866.46	1,002.77	20	34.12
J306	1,066.49	1,722.58	J786	0.05	839.67	1,066.56	20	57.59
J308	1,108.34	1,674.00	J786	4.21	849.27	1,108.39	20	52.37
J310	1,123.32	1,735.08	J786	2.98	846.44	1,123.38	20	56.52
J312	1,100.04	1,658.74	J786	4.16	849.16	1,100.10	20	54.93
J314	1,183.41	1,497.07	J786	12.43	868.23	1,183.47	20	44.17
J316	1,140.72	1,160.77	J492	17.83	757.02	1,140.74	20	22.17
J318	772.95	773.00	J318	20	756.96	773.00	20	20
J320	751.77	752.54	J534	19.87	757.37	751.80	20	20.13
J322	388	412.51	J324	15.23	818.9	388.03	20	24.78
J324	86.5	86.52	J324	20	829.92	86.52	20	20
J326	934.58	934.63	J326	20	753.49	934.63	20	20
J328	905.25	1,065.44	J786	14.74	873.57	905.26	20	35.12
J332	1,038.73	1,352.74	J390	0.03	795.7	1,038.78	20	45.52
J334	880.13	880.15	J334	20	772.85	880.15	20	20
J336	1,179.20	1,387.58	J786	15.08	874.36	1,179.22	20	41.19
J338	1,179.31	1,720.40	J786	6.19	853.85	1,179.34	20	60.43
J34	1,188.30	1,544.45	J786	11.35	865.73	1,188.39	20	51.18
J340	1,179.80	1,904.68	J786	0.76	841.3	1,179.82	20	66.19
J342	1,181.75	1,949.45	J786	-0.53	838.32	1,181.78	20	68.08
J344	1,181.17	1,949.96	J786	-0.57	838.25	1,181.19	20	68.11
J346	1,183.00	1,955.40	J786	-0.66	838.04	1,183.04	20	68.21
J348	1,182.77	1,779.39	J786	4.64	850.26	1,182.80	20	64.28
J350	1,182.31	1,429.17	J786	14.14	872.18	1,182.33	20	44.93
J352	1,182.11	1,278.69	J786	17.79	880.61	1,182.13	20	31.41
J354	620.13	620.17	J354	20	712.59	620.17	20	20
J356	1,182.46	1,260.40	J786	18.23	881.61	1,182.48	20	29.44
J358	1,182.94	1,254.41	J786	18.38	881.96	1,182.98	20	28.71
J36	1,184.23	1,478.50	J786	12.95	869.44	1,184.24	20	47.52
J360	977.96	977.98	J360	20	711.04	977.98	20	20
J362	221.89	221.91	J362	20	712.06	221.91	20	20
J364	1,178.92	1,920.11	J786	0.25	840.12	1,178.94	20	66.71
J366	1,178.64	1,857.56	J786	2.14	844.48	1,178.67	20	64.79
J368	584	584.03	J368	20	730.42	584.03	20	20
J370	1,492.37	2,359.13	J786	1.12	842.12	1,492.40	20	43.51
J38	1,183.90	1,452.51	J786	13.6	870.94	1,183.92	20	45.8
J388	747.22	847.73	J390	11.3	821.72	747.23	20	28.7
J390	722.70	722.71	J390	20	841.79	722.71	20	20
J392	1,281.25	2,348.63	J786	-7.71	821.75	1,281.28	20	55.11

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)
J394	1,177.42	1,253.32	J396	14.23	795.22	1,177.43	20	25.77
J396	727.42	727.44	J396	20	808.54	727.44	20	20
J398	905.88	962.49	J786	18.21	881.58	905.89	20	26.19
J40	981.10	981.13	J40	20	723.64	981.13	20	20
J400	745.11	745.15	J400	20	794.85	745.15	20	20
J402	1,184.92	2,410.27	J786	-15.76	803.17	1,184.95	20	67.27
J404	1,204.12	2,102.11	J786	-4.07	830.16	1,204.14	20	59.14
J406	1,197.66	2,008.10	J786	-1.49	836.12	1,197.68	20	57.84
J408	1,208.41	1,551.13	J786	11.88	866.98	1,208.42	20	42.46
J410	1,208.41	1,904.68	J786	2.18	844.58	1,208.42	20	54.21
J412	378.16	378.17	CW_H_4	20	809.6	378.17	20	20
J416	463.65	543.80	DP_H_2	8.7	820.36	463.66	20	31.49
J418	381.01	381.03	J418	20	800.89	381.03	20	20
J42	1,187.37	1,739.13	J786	5.97	853.33	1,187.45	20	58.5
J420	1,479.36	2,512.65	J786	-3.06	832.5	1,479.38	20	51.2
J422	1,475.03	2,405.85	J786	-0.4	838.64	1,475.04	20	48.76
J434	1,185.22	2,324.85	J786	-12.67	810.32	1,185.23	20	73.74
J436	1,185.60	2,172.78	J786	-7.47	822.31	1,185.62	20	70.44
J438	16.10	13.37	J438	20	699.06	16.12	20	20
J44	1,184.13	2,373.36	J786	-14.48	806.12	1,184.16	20	71.39
J440	1,182.00	1,904.49	J786	0.89	841.61	1,182.01	20	74.75
J442	1,182.13	1,828.78	J786	3.18	846.88	1,182.14	20	73.95
J444	1,182.46	1,781.32	J786	4.58	850.12	1,182.47	20	71.85
J446	1,182.12	1,630.21	J786	8.85	859.97	1,182.13	20	66.94
J448	1,182.09	1,544.22	J786	11.17	865.32	1,182.10	20	61.35
J450	1,182.01	1,443.79	J786	13.76	871.32	1,182.03	20	53.35
J452	703.86	711.44	J456	18.17	691.47	703.87	20	21.83
J458	896.65	896.66	J458	20	713.65	896.66	20	20
J46	1,184.01	2,429.90	J786	-16.53	801.4	1,184.04	20	72.22
J460	905.37	905.39	J460	20	719.46	905.39	20	20
J462	1,081.73	1,081.74	J462	20	719.46	1,081.74	20	20
J464	903.67	921.80	ED_H_2	17.02	727.43	903.69	20	22.98
J466	736.29	736.31	J466	20	727.43	736.31	20	20
J468	832.81	832.82	J468	20	744.52	832.82	20	20
J470	1,194.80	1,210.48	J786	19.65	884.91	1,194.81	20	21.85
J472	1,213.11	1,544.75	J786	12.22	867.76	1,213.12	20	46
J474	1,227.79	1,387.88	J786	16.44	877.48	1,227.83	20	32.9
J476	1,225.18	1,556.22	J786	12.32	867.98	1,225.19	20	43.13
J478	1,483.25	2,336.40	J786	1.54	843.11	1,483.27	20	44.2
J48	1,185.14	2,328.47	J786	-12.8	810.01	1,185.15	20	73.8
J480	1,480.49	2,514.72	J786	-3.08	832.43	1,480.51	20	50.95
J486	767.53	799.03	J786	18.79	882.93	767.58	20	21.84
J492	21.25	20.55	J492	20	762.03	21.27	20	20
J494	1,178.87	1,991.97	J786	-2	834.94	1,178.89	20	66.97
J496	1,179.01	1,755.72	J786	5.17	851.47	1,179.03	20	61.28
J498	1,177.39	1,851.82	J786	2.25	844.75	1,177.40	20	63.36
J50	1,187.17	2,256.58	J786	-10.18	816.06	1,187.18	20	68.44
J500	1,180.01	2,016.20	J786	-2.7	833.31	1,180.02	20	67.67
J502	1,183.63	2,201.37	J786	-8.6	819.71	1,183.68	20	68.91
J504	1,183.22	2,430.39	J786	-16.58	801.29	1,183.23	20	72.18
J506	1,183.22	2,175.09	J786	-7.69	821.8	1,183.23	20	67.91
J510	1,182.27	2,372.76	J786	-14.59	805.88	1,182.29	20	75.09
J512	1,178.61	1,530.16	J786	11.41	865.89	1,178.62	20	50.99
J514	66.51	72.05	J632	7.73	717.89	66.51	20	32.27
J516	220.17	220.18	J516	20	711.04	220.18	20	20
J518	1,182.63	2,333.60	J786	-13.2	809.1	1,182.65	20	76.07
J52	1,191.07	2,000.29	J786	-1.59	835.89	1,191.09	20	66.4
J522	1,078.02	1,078.05	J522	20	730.13	1,078.05	20	20
J526	917.14	917.18	J526	20	706.36	917.18	20	20
J528	902.35	902.41	J528	20	705.98	902.41	20	20
J530	1,184.86	2,429.74	J786	-16.49	801.49	1,184.90	20	71.99
J532	1,470.00	2,992.97	J786	-16.82	800.72	1,470.02	20	74.82
J534	741.27	741.30	J534	20	757.67	741.30	20	20
J54	1,193.89	1,874.64	J786	2.35	844.98	1,193.94	20	63.26
J56	1,196.08	1,715.14	J786	7.04	855.8	1,196.12	20	57.67
J58	1,196.40	1,642.95	J786	9.04	860.41	1,196.45	20	54.78
J596	1,091.41	1,091.43	J596	20	819.55	1,091.43	20	20
J60	1,195.09	1,552.51	J786	11.4	865.87	1,195.11	20	50.24
J62	1,195.07	1,233.37	J786	19.15	883.74	1,195.09	20	24.4
J632	44.59	44.6	J632	20	746.2	44.6	20	20
J634	790.89	790.98	J634	20	697.39	790.98	20	20
J644	882.23	976.36	J644	20	717.33	976.36	20	20
J66	727.57	1,248.87	J786	18.88	883.13	1,198.67	20	25.6
J664	225.88	899.05	J664	20	758.29	899.05	20	20

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)
J674	1,097.19	225.88	J674	20	713.79	225.88	20	19.99
J68	1,183.23	1,099.84	J68	20	744.52	1,099.84	20	20
J682	1,066.32	1,573.71	J786	10.33	863.39	1,180.63	20	49.99
J686	663.24	1,066.32	J686	20	745.53	1,066.32	20	20.06
J690	754.48	663.24	J690	20	757.36	663.24	20	20
J696	1,198.49	754.48	J696	20	757.75	754.48	20	20
J70	1,183.58	1,515.44	J786	12.53	868.47	1,200.45	20	45.72
J702	1,197.60	1,538.54	J786	11.3	865.64	1,181.66	20	61.02
J712	1,192.65	2,001.06	J786	-1.22	836.72	1,197.60	20	64.07
J716	1,226.45	2,043.04	J786	-2.81	833.07	1,192.65	20	66.75
J72	379.72	2,190.54	J786	-5.44	827	1,226.92	20	65.53
J722	233.34	397.59	J222	15.35	798.88	379.27	20	24.69
J726	217.20	249.65	DP_H_2	15.32	835.66	233.34	20	24.68
J734	1,198.26	869.23	J584	17.33	707.31	854.71	20	22.8
J74	773.28	1,678.64	J786	8.23	858.56	1,200.71	20	53.4
J742	1,256.83	786.28	ED_H_2	17.02	727.43	770.88	20	22.99
J746	1,233.19	2,051.58	J786	0.33	840.32	1,256.83	20	64.04
J754	1,195.24	2,150.01	J786	-3.81	830.76	1,233.20	20	64.44
J76	1,442.76	1,654.30	J786	8.76	859.76	1,196.98	20	53.85
J764	795.2	2,553.62	J786	-5.38	827.13	1,441.06	20	69.15
J766	95.21	795.2	J766	20	718.87	795.2	20	20.01
J774	1,183.82	730.9	J770	16.1	697.24	714.07	20	23.96
J776	675.94	1,426.20	J786	14.27	872.47	1,183.82	20	43.02
J778	1,195.19	675.94	J778	20	730.19	675.94	20	20.02
J78	454.7	1,437.20	J786	14.36	872.7	1,196.10	20	41.95
J780	746.86	453.81	J780	20	709.04	453.81	20	20.01
J784	668.24	764.06	J390	18.57	838.49	746.86	20	21.59
J786	136.19	668.24	J786	20	885.71	668.24	20	20.01
J792	1,181.66	136.19	J792	20	773.72	136.19	20	20.01
J796	653.82	1,589.21	J786	9.95	862.51	1,181.66	20	64.31
J80	1,293.27	1,365.80	J786	16.1	876.71	1,196.10	20	36.57
J800	1,484.09	2,056.76	J786	1.81	843.74	1,292.30	20	63.67
J802	1,225.96	2,345.92	J786	1.32	842.59	1,484.08	20	44.21
J804	1,032.43	1,570.11	J786	12	867.24	1,225.95	20	43.55
J806	1,044.50	1,032.43	J806	20	770.17	1,032.43	20	19.9
J808	1,260.84	1,074.53	J808	20	763.63	1,074.53	20	20
J810	1,064.96	1,518.99	J786	13.44	870.57	1,231.41	20	41.88
J812	1,249.74	1,075.44	J806	18.86	767.53	1,064.96	20	21.15
J814	626.62	2,141.79	J786	-2.66	833.41	1,249.74	20	65.25
J82	1,196.71	627.7	J82	20	738.45	627.7	20	20.02
J84	1,154.88	1,198.80	J460	19.74	718.87	1,196.84	20	20.26
J86	1,176.09	1,154.42	J462	20	719.46	1,154.42	20	20
J88	1,210.33	1,199.37	ED_H_2	17.24	727.94	1,177.09	20	22.76
J90	1,195.40	1,448.33	J786	14.51	873.04	1,209.99	20	40.43
J92	1,196.03	1,892.94	J786	1.93	844	1,196.10	20	62.29
J94	1,200.12	1,932.53	J786	0.72	841.21	1,195.46	20	63.44
J96	1,220.39	1,945.76	J786	0.63	841	1,202.29	20	62.75
J98	1,180.13	2,244.57	J786	-7.69	821.8	1,219.00	20	67.54
MY_H_4	887.25	1,485.27	J786	12.58	868.57	1,178.13	20	48.47
MY_H_6	225.74	887.25	MY_H_6	20	758.29	887.25	20	20
NC_H_1	1,180.63	225.74	NC_H_1	20	713.79	225.74	20	19.99
PE_H_2	1,047.91	1,514.30	J786	11.9	867.02	1,180.63	20	46.97
PE_H_3	1,192.65	1,047.91	PE_H_3	20	745.53	1,047.91	20	20
PN_H_2	1,181.66	1,928.11	J786	0.74	841.26	1,192.65	20	63.91
RH_H_1	1,180.64	1,413.25	J786	14.52	873.07	1,181.66	20	50.47
RH_H_2	1,256.83	1,502.41	J786	12.25	867.82	1,181.66	20	58.21
RJ_H_1	658.18	1,934.90	J786	3.61	847.87	1,256.83	20	60.89
SD_H_2	747.48	658.18	SD_H_2	20	757.36	658.18	20	20
SD_H_3	699.14	747.48	SD_H_3	20	757.75	747.49	20	20
TP_H_1	1,197.60	699.14	TP_H_1	20	696.4	699.14	20	20.05
WA_H_4	219.65	1,870.64	J786	2.7	845.78	1,197.60	20	60.59
WN_H_1	500	219.66	J516	19.99	711.01	219.65	20	20.01

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)
VILLAGE OF DANSVILLE									
CB_H_2	1,214.43	2,101.75	J786	-3.41	831.67	1,215.45	20	64.29	-17.75
CW_H_1	461.89	575.53	DP_H_2	3.71	808.84	462.91	20	37.92	83.64
CW_H_4	153.27	154.29	CW_H_4	20	809.6	154.29	20	20.01	6.64
ED_H_1	1,214.22	2,117.03	J786	-3.9	830.54	1,215.24	20	71.92	312.44
ED_H_2	1,214.63	2,218.70	J786	-7.11	823.15	1,215.65	20	72.24	450.77
FN_H_1	1,192.37	1,508.56	J786	12.46	868.31	1,193.39	20	52.13	338.68
GA_H_1	416.86	445.86	DP_H_2	15.78	836.72	417.88	20	24.28	184.54
J10	1,000.83	1,008.48	J456	18.69	692.67	1,000.85	20	21.31	288.26
J100	1,209.81	2,549.01	J786	-18.94	795.83	1,209.86	20	73.45	9.57
J102	1,206.94	2,423.03	J786	-14.64	805.77	1,206.97	20	67.96	9.66
J104	1,206.27	2,416.84	J786	-14.45	806.21	1,206.28	20	67.84	9.29
J106	1,206.93	2,364.39	J786	-12.59	810.49	1,206.94	20	67.65	8.67
J108	1,209.02	2,485.16	J786	-16.66	801.09	1,209.04	20	71.91	2.87
J110	1,209.92	2,477.22	J786	-16.33	801.87	1,209.94	20	71.75	2.59
J112	1,211.68	2,586.56	J786	-20.26	792.8	1,211.78	20	75.62	14.02
J114	1,207.38	2,458.82	J786	-15.9	802.87	1,207.43	20	69.81	14.17
J116	1,203.51	2,463.50	J786	-16.32	801.89	1,203.52	20	71.28	16.00
J118	1,237.27	2,393.28	J786	-11.39	813.26	1,237.29	20	71.8	-23.83
J12	1,194.68	1,634.87	J786	9.16	860.69	1,194.70	20	60.16	341.81
J120	1,259.51	2,270.00	J786	-6.06	825.56	1,259.53	20	70.27	-19.19
J122	1,468.44	2,968.52	J786	-16.17	802.23	1,468.47	20	74.39	-0.88
J124	913.03	913.09	J124	20	738.97	913.09	20	20	11.44
J128	1,212.03	2,150.88	J786	-5.21	827.52	1,212.05	20	63.12	-0.54
J130	1,213.89	2,027.61	J786	-1.26	836.64	1,213.91	20	59.54	-1.12
J132	1,218.45	2,191.13	J786	-6.11	825.45	1,218.46	20	60.7	-3.28
J134	1,220.09	2,260.34	J786	-8.26	820.48	1,220.12	20	61.62	-3.13
J136	1,260.66	1,874.54	J786	5.19	851.54	1,260.73	20	48.87	1.83
J138	1,244.52	2,379.50	J786	-10.79	814.65	1,244.57	20	58.78	3.74
J14	1,194.97	1,686.13	J786	7.77	857.47	1,195.00	20	63	343.74
J140	1,213.48	2,389.45	J786	-13.09	809.35	1,213.52	20	61.33	5.01
J142	1,207.72	2,391.89	J786	-13.54	808.3	1,207.76	20	61.96	5.83
J144	1,199.37	2,429.24	J786	-15.5	803.78	1,199.44	20	65.16	8.65
J146	1,197.22	2,440.11	J786	-16.07	802.46	1,197.29	20	66.64	10.22
J148	1,196.76	2,445.93	J786	-16.3	801.94	1,196.82	20	67.52	10.72
J150	1,199.60	2,480.98	J786	-17.43	799.33	1,199.71	20	70.48	11.40
J156	1,195.22	2,456.70	J786	-16.77	800.84	1,195.26	20	74.6	11.43
J158	1,194.63	2,426.48	J786	-15.73	803.25	1,194.66	20	75.87	11.43
J16	1,193.84	1,502.40	J786	12.63	868.7	1,193.85	20	51.55	375.89
J160	1,193.87	2,373.41	J786	-13.88	807.51	1,193.89	20	77.22	11.44
J162	1,194.20	2,341.74	J786	-12.76	810.1	1,194.23	20	78.86	11.44
J164	1,194.17	2,292.37	J786	-11.06	814.03	1,194.20	20	78	11.44
J166	1,197.18	1,210.45	J786	19.71	885.03	1,197.27	20	21.78	11.42
J170	1,195.03	2,268.30	J786	-10.2	816.02	1,195.07	20	78.75	11.47
J172	1,195.07	2,068.72	J786	-3.62	831.19	1,195.11	20	75.15	11.41
J174	1,193.62	2,127.45	J786	-5.56	826.72	1,193.64	20	78.49	11.46
J176	1,193.66	2,170.81	J786	-6.98	823.44	1,193.67	20	79.01	11.46
J178	1,193.85	1,994.07	J786	-1.32	836.51	1,193.86	20	77.33	11.46
J18	1,084.62	1,086.93	J458	19.66	712.87	1,084.68	20	20.34	29.97
J180	1,194.35	2,428.79	J786	-15.82	803.04	1,194.38	20	75.63	11.43
J182	1,198.03	1,469.40	J786	13.59	870.92	1,198.08	20	45.88	12.18
J184	1,202.49	2,084.46	J786	-3.69	831.03	1,202.52	20	61.79	9.96
J186	1,204.46	2,032.15	J786	-1.95	835.05	1,204.49	20	58.14	6.22
J190	1,207.94	2,174.75	J786	-6.23	825.18	1,207.96	20	60.88	3.25
J192	1,211.78	2,388.80	J786	-13.14	809.23	1,211.83	20	66.63	0.72
J194	1,211.61	2,338.85	J786	-11.42	813.2	1,211.64	20	64.92	0.49
J196	1,211.70	2,274.05	J786	-9.22	818.27	1,211.71	20	61	2.40
J198	1,214.40	2,318.44	J786	-10.55	815.2	1,214.43	20	61.37	-0.35
J200	1,214.16	2,316.57	J786	-10.51	815.29	1,214.19	20	61.36	0.24
J204	1,218.40	1,644.91	J786	9.79	862.14	1,218.41	20	47.5	-6.90
J206	1,676.81	2,414.43	J786	5.92	853.21	1,676.82	20	37.55	0.40
J208	1,506.26	2,370.50	J786	1.34	842.63	1,506.29	20	43.23	0.36
J210	1,309.13	2,343.09	J786	-6.21	825.23	1,309.20	20	53.03	2.28
J212	1,253.73	2,366.02	J786	-9.78	816.97	1,253.76	20	57.63	3.56
J214	463.46	545.81	DP_H_2	8.36	819.59	463.47	20	31.64	0.03
J216	429.92	509.67	DP_H_2	7.76	818.21	429.94	20	32.24	0.03
J22	1,181.16	1,181.28	J22	20	718.88	1,181.28	20	20	30.84
J220	463.76	563.06	DP_H_2	5.78	813.64	463.78	20	34.58	82.53
J222	464.62	554.57	DP_H_2	7.22	816.95	464.65	20	33.68	84.37
J224	464.58	577.33	DP_H_2	3.69	808.81	464.62	20	37.31	83.45
J226	419.42	450.82	DP_H_2	15.26	835.5	419.45	20	24.75	184.65
J228	1,208.84	1,249.55	J230	16.68	787.56	1,208.91	20	23.32	0.91
J230	1,027.77	1,027.86	J230	20	795.22	1,027.86	20	20	0.60
J232	1,136.63	1,990.78	J786	-4.71	828.69	1,136.73	20	58.84	7.66
J234	990.80	1,579.72	J786	0.26	840.15	990.88	20	52.73	5.73
J236	914.16	1,181.29	J786	10.94	864.79	914.19	20	32.11	4.62
J238	806.53	972.08	J786	13.65	871.05	806.58	20	27.12	3.32
J24	1,201.04	1,378.27	J786	15.92	876.28	1,201.11	20	38.56	12.61
J246	912.67	1,251.79	J786	8.19	858.45	912.74	20	45.73	4.52
J250	802.20	814.34	J256	18.34	779.21	802.26	20	21.66	0.89
J252	734.76	734.77	J256	20	783.03	734.77	20	20	0.74

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)
J254	713.41	713.42	J254	20	783.03	713.42	20	20	0.70
J256	646.65	646.67	J256	20	783.03	646.67	20	20	0.57
J258	1,162.39	2,181.08	J786	-9.59	817.42	1,162.46	20	63.25	9.04
J26	1,210.22	2,126.27	J786	-4.53	829.09	1,210.25	20	70.97	14.70
J260	1,178.07	2,223.25	J786	-9.84	816.84	1,178.11	20	64.29	9.90
J262	1,189.03	2,178.20	J786	-7.52	822.19	1,189.04	20	64.23	10.08
J264	1,191.61	2,079.64	J786	-4.16	829.95	1,191.63	20	62.73	10.30
J266	1,195.91	2,130.59	J786	-5.58	826.66	1,195.96	20	65.33	10.93
J268	1,194.43	2,252.26	J786	-9.68	817.22	1,194.46	20	69.54	11.17
J270	1,194.11	2,305.45	J786	-11.53	812.94	1,194.16	20	73.56	11.26
J272	1,194.45	2,174.46	J786	-7.1	823.15	1,194.50	20	71.01	11.32
J274	1,192.49	2,050.33	J786	-3.18	832.21	1,192.53	20	68.2	11.24
J276	1,190.73	1,975.44	J786	-0.92	837.42	1,190.76	20	66.13	11.16
J278	1,188.47	1,936.15	J786	0.18	839.96	1,188.50	20	65.52	10.91
J28	1,212.00	1,440.39	J786	14.74	873.58	1,212.03	20	43.14	13.75
J280	1,185.61	1,891.54	J786	1.36	842.68	1,185.67	20	63.66	10.53
J282	1,190.48	1,992.05	J786	-1.46	836.19	1,190.51	20	65.84	11.06
J284	1,192.30	2,052.16	J786	-3.25	832.05	1,192.33	20	67.06	11.15
J286	1,195.85	1,897.77	J786	1.66	843.39	1,195.93	20	61.72	11.01
J288	1,195.24	1,664.47	J786	8.35	858.82	1,195.31	20	53.49	10.99
J290	1,111.35	1,112.43	J686	19.87	745.24	1,111.41	20	20.13	6.44
J292	934.32	1,317.80	J390	-8.54	775.93	934.34	20	51.95	5.56
J294	878.38	1,284.32	J390	-12.88	765.91	878.40	20	52.88	4.76
J296	959.34	1,288.61	J390	-3.28	788.07	959.37	20	46.28	5.71
J298	1,044.88	1,350.03	J324	-2.47	778.06	1,044.92	20	42.47	5.09
J30	1,212.27	1,348.95	J786	16.92	878.61	1,212.30	20	35.22	29.96
J300	1,094.11	1,519.53	J786	8.19	858.45	1,094.14	20	45.61	8.06
J302	1,051.37	1,155.89	J786	17.2	879.24	1,051.40	20	26.04	7.22
J304	1,009.17	1,288.13	J786	11.71	866.58	1,009.21	20	34.05	6.44
J306	1,073.75	1,729.81	J786	0.15	839.91	1,073.82	20	57.51	7.26
J308	1,116.01	1,681.21	J786	4.31	849.49	1,116.06	20	52.27	7.67
J310	1,131.18	1,743.30	J786	3.07	846.63	1,131.24	20	56.43	7.86
J312	1,107.83	1,666.00	J786	4.27	849.41	1,107.89	20	54.82	7.79
J314	1,193.85	1,508.33	J786	12.46	868.31	1,193.91	20	44.11	10.44
J316	1,146.79	1,166.90	J492	17.83	757.02	1,146.81	20	22.17	6.07
J318	775.31	775.36	J318	20	756.96	775.36	20	20	2.36
J320	753.05	753.82	J534	19.87	757.37	753.08	20	20.13	1.28
J322	388.61	413.12	J324	15.23	818.9	388.64	20	24.78	0.61
J324	86.56	86.58	J324	20	829.92	86.58	20	20	0.06
J326	936.92	936.97	J326	20	753.49	936.97	20	20	2.34
J328	909.77	1,067.34	J786	14.84	873.8	909.78	20	34.88	4.52
J332	1,046.30	1,360.94	J390	0.09	795.83	1,046.35	20	45.48	7.57
J334	883.2	883.23	J334	20	772.85	883.23	20	20	3.08
J336	1,190.37	1,398.53	J786	15.13	874.46	1,190.39	20	41.06	11.17
J338	1,190.48	1,739.86	J786	6.08	853.58	1,190.51	20	60.65	11.17
J34	1,200.79	1,578.06	J786	10.88	864.65	1,200.89	20	52.37	12.50
J340	1,191.01	1,931.39	J786	0.46	840.61	1,191.03	20	66.55	11.21
J342	1,193.06	1,978.82	J786	-0.9	837.46	1,193.09	20	68.49	11.31
J344	1,192.49	1,979.40	J786	-0.94	837.38	1,192.51	20	68.53	11.32
J346	1,194.37	1,986.05	J786	-1.07	837.09	1,194.41	20	68.66	11.37
J348	1,194.20	1,802.37	J786	4.44	849.8	1,194.22	20	64.61	11.42
J350	1,193.72	1,441.93	J786	14.15	872.21	1,193.74	20	44.9	11.41
J352	1,193.53	1,288.26	J786	17.85	880.75	1,193.55	20	31.14	11.42
J354	621.70	621.74	J354	20	712.59	621.74	20	20	1.57
J356	1,193.86	1,269.56	J786	18.29	881.76	1,193.88	20	29.13	11.40
J358	1,194.34	1,263.45	J786	18.44	882.12	1,194.38	20	28.38	11.40
J36	1,196.61	1,505.45	J786	12.64	868.73	1,196.62	20	48.43	12.38
J360	982.62	982.64	J360	20	711.04	982.64	20	20	4.66
J362	222.07	222.09	J362	20	712.06	222.09	20	20	0.18
J364	1,190.09	1,946.91	J786	-0.06	839.42	1,190.12	20	67.06	11.18
J366	1,189.77	1,881.69	J786	1.9	843.94	1,189.79	20	65.1	11.12
J368	585.37	585.4	J368	20	730.42	585.4	20	20	1.37
J370	1,492.72	2,359.11	J786	1.12	842.13	1,492.75	20	43.5	0.35
J38	1,196.19	1,476.31	J786	13.37	870.41	1,196.20	20	46.53	12.28
J388	750.53	851.24	J390	11.3	821.72	750.54	20	28.7	3.31
J390	725.77	725.78	J390	20	841.79	725.78	20	20	3.07
J392	1,284.21	2,352.28	J786	-7.66	821.86	1,284.24	20	55.09	2.96
J394	1,178.12	1,254.04	J396	14.23	795.22	1,178.13	20	25.77	0.70
J396	727.62	727.64	J396	20	808.54	727.64	20	20	0.20
J398	910.39	964.00	J786	18.31	881.81	910.41	20	25.86	4.52
J40	990.73	990.75	J40	20	723.64	990.75	20	20	9.62
J400	746.05	746.09	J400	20	794.85	746.09	20	20	0.94
J402	1,195.58	2,447.47	J786	-16.39	801.72	1,195.61	20	67.56	10.66
J404	1,207.37	2,174.22	J786	-6.24	825.15	1,207.39	20	60.34	3.25
J406	1,203.89	2,031.10	J786	-1.94	835.08	1,203.92	20	58.13	6.24
J408	1,210.53	1,682.55	J786	8.49	859.15	1,210.54	20	47.63	2.12
J410	1,210.53	2,162.45	J786	-5.66	826.5	1,210.54	20	59.42	2.12
J412	463.45	550.36	DP_H_2	7.68	818.01	463.46	20	33.33	85.29
J416	463.68	547.99	DP_H_2	8.07	818.91	463.69	20	31.95	0.03
J418	381.00	381.02	J418	20	800.89	381.02	20	20	-0.01
J42	1,199.83	1,770.51	J786	5.58	852.42	1,199.92	20	59.14	12.47

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)
J420	1,479.04	2,513.64	J786	-3.1	832.4	1,479.05	20	51.22	-0.33
J422	1,474.49	2,407.54	J786	-0.46	838.48	1,474.50	20	48.8	-0.54
J434	1,198.04	2,421.57	J786	-15.24	804.39	1,198.06	20	75.05	12.83
J436	1,198.40	2,250.55	J786	-9.33	818.01	1,198.42	20	71.65	12.80
J438	16.11	13.38	J438	20	699.06	16.13	20	20	0.01
J44	1,196.37	2,444.22	J786	-16.19	802.18	1,196.39	20	72.2	12.23
J440	1,193.46	1,936.22	J786	0.45	840.59	1,193.47	20	75.36	11.46
J442	1,193.59	1,855.98	J786	2.86	846.16	1,193.60	20	74.48	11.46
J444	1,193.92	1,806.60	J786	4.32	849.52	1,193.93	20	72.34	11.46
J446	1,193.58	1,648.75	J786	8.75	859.75	1,193.59	20	67.21	11.46
J448	1,193.55	1,560.08	J786	11.12	865.22	1,193.56	20	61.5	11.46
J450	1,193.47	1,456.86	J786	13.78	871.34	1,193.49	20	53.32	11.46
J452	978.67	989.08	J456	18.17	691.47	978.68	20	21.83	274.81
J458	916.68	916.69	J458	20	713.65	916.69	20	20	20.03
J46	1,195.69	2,496.48	J786	-18.14	797.68	1,195.72	20	72.94	11.68
J460	980.87	980.89	J460	20	719.46	980.89	20	20	75.50
J462	1,211.94	1,228.54	J786	19.64	884.87	1,211.95	20	22.11	130.21
J464	1,216.11	2,340.56	J786	-11.11	813.9	1,216.13	20	76.4	312.44
J466	1,216.59	1,624.10	J786	10.27	863.26	1,216.61	20	53.56	480.30
J468	1,211.07	2,316.14	J786	-10.66	814.96	1,211.08	20	70.93	378.26
J470	1,209.92	1,821.63	J786	4.62	850.22	1,209.94	20	61.12	15.13
J472	1,216.87	2,445.69	J786	-14.61	805.82	1,216.89	20	71.84	3.77
J474	1,220.12	1,400.06	J786	15.93	876.33	1,220.16	20	34.28	-7.67
J476	1,218.29	1,573.03	J786	11.64	866.42	1,218.30	20	44.35	-6.89
J478	1,483.08	2,336.89	J786	1.52	843.07	1,483.10	20	44.21	-0.17
J48	1,197.94	2,422.64	J786	-15.28	804.28	1,197.95	20	75.06	12.80
J480	1,480.21	2,515.56	J786	-3.12	832.35	1,480.23	20	50.97	-0.28
J486	770.22	800.42	J786	18.85	883.04	770.27	20	21.77	2.69
J492	21.26	20.17	J492	20	762.03	21.28	20	20	0.01
J494	1,190.05	2,022.75	J786	-2.42	833.97	1,190.06	20	67.39	11.17
J496	1,190.17	1,776.53	J786	5.02	851.13	1,190.19	20	61.53	11.16
J498	1,188.36	1,875.84	J786	2.01	844.2	1,188.37	20	63.67	10.97
J50	1,202.65	2,442.22	J786	-15.61	803.52	1,202.66	20	71.01	15.48
J500	1,191.24	2,048.98	J786	-3.18	832.21	1,191.25	20	68.12	11.23
J502	1,194.79	2,244.35	J786	-9.4	817.86	1,194.84	20	69.44	11.16
J504	1,194.86	2,496.26	J786	-18.17	797.63	1,194.87	20	72.88	11.64
J506	1,194.86	2,223.40	J786	-8.64	819.61	1,194.87	20	68.55	11.64
J510	1,193.70	2,428.89	J786	-15.85	802.98	1,193.72	20	75.74	11.43
J512	1,189.78	1,544.39	J786	11.4	865.87	1,189.79	20	51.04	11.17
J514	66.54	72.09	J632	7.73	717.89	66.54	20	32.27	0.03
J516	220.34	220.35	J516	20	711.04	220.35	20	20	0.17
J518	1,194.07	2,385.27	J786	-14.29	806.57	1,194.09	20	76.69	11.44
J52	1,207.39	2,507.91	J786	-17.6	798.94	1,207.41	20	75.74	16.32
J522	1,084.60	1,084.63	J522	20	730.13	1,084.63	20	20	6.58
J526	947.55	947.59	J526	20	706.36	947.59	20	20	30.41
J528	931.40	931.46	J528	20	705.98	931.46	20	20	29.05
J530	1,196.49	2,495.16	J786	-18.07	797.86	1,196.53	20	72.69	11.63
J532	1,469.20	2,996.44	J786	-16.98	800.37	1,469.21	20	74.88	-0.81
J534	742.51	742.54	J534	20	757.67	742.54	20	20	1.24
J54	1,210.09	2,486.58	J786	-16.67	801.07	1,210.14	20	76.19	16.20
J56	1,211.77	2,452.80	J786	-15.35	804.12	1,211.81	20	76.32	15.69
J58	1,211.67	2,437.70	J786	-14.82	805.35	1,211.71	20	76.79	15.26
J596	1,091.39	1,091.41	J596	20	819.55	1,091.41	20	20	-0.02
J60	1,209.88	2,173.09	J786	-6.04	825.62	1,209.90	20	72.16	14.79
J62	1,210.19	1,898.18	J786	2.42	845.14	1,210.21	20	63.73	15.12
J632	44.61	44.62	J632	20	746.2	44.62	20	20	0.02
J634	793.48	793.57	J634	20	697.39	793.57	20	20	2.59
J644	948.32	1,066.55	J644	20	717.33	1,066.55	20	20	90.19
J66	762.93	2,494.08	J786	-16.77	800.86	1,212.36	20	75.63	13.69
J664	226.06	903.51	J664	20	758.29	903.50	20	20	4.45
J674	1,210.47	226.06	J674	20	713.79	226.06	20	19.99	0.18
J68	1,194.23	2,452.26	J786	-15.24	804.37	1,213.12	20	73.03	113.28
J682	1,072.26	1,589.82	J786	10.27	863.25	1,191.63	20	50.12	11.00
J686	664.22	1,072.26	J686	20	745.53	1,072.26	20	20.06	5.94
J690	755.78	664.22	J690	20	757.36	664.22	20	20	0.98
J696	1,210.94	755.78	J696	20	757.75	755.78	20	20	1.30
J70	1,195.04	2,491.04	J786	-16.59	801.26	1,212.90	20	73.63	12.45
J702	1,207.15	1,554.23	J786	11.27	865.55	1,193.12	20	61.16	11.46
J712	1,206.65	2,535.63	J786	-18.57	796.7	1,207.15	20	73.46	9.55
J716	1,213.77	2,581.40	J786	-20.26	792.78	1,206.65	20	75.92	14.00
J72	463.37	2,347.11	J786	-11.46	813.1	1,214.24	20	68.69	-12.68
J722	417.88	580.14	DP_H_2	2.98	807.17	462.91	20	38.43	83.64
J726	344.50	448.82	DP_H_2	15.32	835.66	417.88	20	24.68	184.54
J734	1,209.84	1,559.03	J786	11.15	865.28	1,193.39	20	55.48	338.68
J74	1,218.05	2,487.91	J786	-16.55	801.35	1,212.29	20	72.85	11.58
J742	1,233.81	2,437.94	J786	-14.43	806.26	1,215.65	20	78.09	444.77
J746	1,215.45	2,204.75	J786	-5.53	826.78	1,233.81	20	68.5	-23.02
J754	1,209.53	2,304.45	J786	-9.93	816.64	1,215.45	20	67.92	-17.75
J76	1,440.29	2,535.61	J786	-18.3	797.31	1,211.26	20	75.6	14.28
J764	844.31	2,565.77	J786	-5.83	826.09	1,438.59	20	69.46	-2.47
J766	95.41	844.31	J766	20	718.87	844.31	20	20	49.11

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)
J774	1,196.31	1,044.04	J770	16.1	697.24	1,020.26	20	23.91	306.19
J776	679.91	1,450.51	J786	14.03	871.92	1,196.31	20	43.8	12.49
J778	1,209.64	679.91	J778	20	730.19	679.91	20	20.02	3.97
J78	455.48	2,521.44	J786	-17.82	798.43	1,210.55	20	76.01	14.45
J780	750.17	454.59	J780	20	709.04	454.59	20	20.01	0.78
J784	670.37	767.06	J390	18.6	838.56	750.17	20	21.56	3.31
J786	136.24	670.37	J786	20	885.71	670.37	20	20.01	2.13
J792	1,193.12	136.24	J792	20	773.72	136.24	20	20.01	0.05
J796	655.41	1,606.52	J786	9.88	862.35	1,193.12	20	64.53	11.46
J80	1,276.94	2,507.82	J786	-17.33	799.56	1,210.62	20	75.8	14.52
J800	1,483.97	2,175.12	J786	-2.32	834.19	1,275.97	20	67.42	-16.33
J802	1,218.28	2,346.25	J786	1.3	842.55	1,483.97	20	44.22	-0.11
J804	1,038.71	1,587.64	J786	11.28	865.57	1,218.28	20	44.81	-7.67
J806	1,050.74	1,038.71	J806	20	770.17	1,038.71	20	19.9	6.28
J808	1,249.83	1,080.76	J808	20	763.63	1,080.76	20	20	6.23
J810	1,071.85	1,537.26	J786	12.63	868.69	1,220.40	20	43.6	-11.01
J812	1,220.90	1,082.41	J806	18.86	767.53	1,071.85	20	21.15	6.89
J814	1,209.62	2,445.07	J786	-14.27	806.62	1,220.90	20	71.59	-28.84
J82	1,212.09	2,271.10	J786	-9.19	818.33	1,210.71	20	71.97	583.01
J84	1,212.54	1,380.50	J786	16.18	876.9	1,212.22	20	38.11	15.38
J86	1,215.64	1,335.73	J786	17.23	879.31	1,212.08	20	33.84	57.66
J88	1,215.69	2,280.74	J786	-9.12	818.5	1,216.64	20	75.11	39.55
J90	1,209.33	2,426.96	J786	-14.13	806.95	1,215.35	20	71.69	5.36
J92	1,209.95	2,566.20	J786	-19.52	794.5	1,210.02	20	75.37	13.92
J94	1,210.07	2,568.15	J786	-19.61	794.28	1,209.38	20	75.4	13.92
J96	1,213.97	2,555.38	J786	-19.01	795.67	1,212.24	20	74.07	9.95
J98	1,191.29	2,461.97	J786	-15.61	803.52	1,212.59	20	71.18	-6.41
MY_H_4	891.55	1,498.31	J786	12.59	868.6	1,189.30	20	48.46	11.17
MY_H_6	225.92	891.55	MY_H_6	20	758.29	891.55	20	20	4.30
NC_H_1	1,191.63	225.92	NC_H_1	20	713.79	225.92	20	19.99	0.18
PE_H_2	1,053.58	1,528.79	J786	11.88	866.96	1,191.63	20	47.05	11.00
PE_H_3	1,206.65	1,053.58	PE_H_3	20	745.53	1,053.58	20	20	5.67
PN_H_2	1,193.12	2,358.75	J786	-12.39	810.96	1,206.65	20	73	14.00
RH_H_1	1,192.10	1,425.59	J786	14.55	873.12	1,193.12	20	50.39	11.46
RH_H_2	1,233.81	1,517.10	J786	12.23	867.78	1,193.12	20	58.29	11.46
RJ_H_1	659.15	2,060.97	J786	-1.15	836.9	1,233.81	20	65.46	-23.02
SD_H_2	748.76	659.15	SD_H_2	20	757.36	659.15	20	20	0.97
SD_H_3	960.05	748.76	SD_H_3	20	757.75	748.76	20	20	1.27
TP_H_1	1,207.15	960.05	TP_H_1	20	696.4	960.05	20	20.01	260.91
WA_H_4	219.82	2,283.32	J786	-9.81	816.92	1,207.15	20	69.96	9.55
WN_H_1	500	219.83	J516	19.99	711.02	219.82	20	20.01	0.17

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)	d(Phase 1)
VILLAGE OF DANSVILLE										
CB_H_2	1,854.35	2,523.28	J786	8.29	858.68	1,855.38	20	51.08	622.18	639.93
CW_H_1	1,690.67	1,691.69	CW_H_1	20	797.7	1,691.69	20	20	1,312.42	1,228.78
CW_H_4	162.6	163.62	CW_H_4	20	809.6	163.62	20	20	15.97	9.33
ED_H_1	1,853.81	2,474.19	J786	9.22	860.83	1,854.84	20	54.3	952.04	639.60
ED_H_2	1,854.67	2,648.96	J786	5.82	852.98	1,855.69	20	58.55	1,090.81	640.04
FN_H_1	1,664.84	1,665.86	FN_H_1	20	701.08	1,665.86	20	20.01	811.15	472.47
GA_H_1	1,509.86	1,510.88	GA_H_1	20	835.66	1,510.88	20	20	1,277.54	1,093.00
J10	1,055.16	1,063.02	J456	18.69	692.67	1,055.17	20	21.31	342.58	54.32
J100	1,840.66	3,336.38	J786	-10.02	816.43	1,840.71	20	68.79	640.42	630.85
J102	1,836.18	3,170.23	J786	-6.23	825.17	1,836.21	20	63.17	638.90	629.24
J104	1,835.44	3,159.09	J786	-5.99	825.73	1,835.45	20	62.99	638.46	629.17
J106	1,836.79	3,038.89	J786	-3.17	832.23	1,836.80	20	61.61	638.53	629.86
J108	1,840.64	3,218.85	J786	-7.18	822.97	1,840.67	20	66.53	634.50	631.63
J110	1,842.44	3,199.49	J786	-6.66	824.18	1,842.46	20	66.17	635.11	632.52
J112	1,841.86	3,377.69	J786	-11.02	814.12	1,841.96	20	70.87	644.20	630.18
J114	1,835.42	3,217.00	J786	-7.38	822.51	1,835.47	20	65.07	642.21	628.04
J116	1,827.51	3,215.79	J786	-7.68	821.83	1,827.53	20	66.41	640.01	624.01
J118	1,894.42	2,940.40	J786	1.05	841.97	1,894.45	20	61.86	633.33	657.16
J12	1,799.92	1,831.48	J786	19.49	884.52	1,799.94	20	22.95	947.05	605.24
J120	1,931.64	2,686.20	J786	7.21	856.19	1,931.67	20	55.38	652.95	672.14
J122	2,137.20	3,627.85	J786	-5.32	827.26	2,137.24	20	67.44	667.89	668.77
J124	951.24	951.3	J124	20	738.97	951.3	20	20	49.65	38.21
J128	1,846.87	2,645.20	J786	5.61	852.5	1,846.89	20	52.87	634.30	634.84
J130	1,850.41	2,447.58	J786	9.6	861.7	1,850.44	20	46.77	635.41	636.53
J132	1,857.37	2,753.06	J786	3.71	848.12	1,857.38	20	52.65	635.64	638.92
J134	1,859.64	2,882.72	J786	1.05	841.97	1,859.67	20	54.91	636.42	639.55
J136	1,907.18	2,231.71	J786	14.75	873.6	1,907.26	20	34.43	648.36	646.53
J138	1,891.54	3,169.53	J786	-4.03	830.25	1,891.58	20	55.14	650.75	647.01
J14	1,800.16	1,900.46	J786	18.35	881.89	1,800.20	20	28.89	948.94	605.20
J140	1,848.19	3,222.21	J786	-6.98	823.45	1,848.23	20	58.21	639.72	634.71
J142	1,840.97	3,228.42	J786	-7.44	822.38	1,841.01	20	58.84	639.08	633.25
J144	1,823.08	3,273.14	J786	-9.3	818.08	1,823.15	20	62.07	632.36	623.71
J146	1,815.25	3,283.95	J786	-9.94	816.61	1,815.33	20	63.55	628.26	618.04
J148	1,812.01	3,293.50	J786	-10.32	815.73	1,812.08	20	64.48	625.98	615.26
J150	1,811.56	3,340.44	J786	-11.56	812.88	1,811.68	20	67.46	623.37	611.97
J156	1,801.31	3,313.80	J786	-11.31	813.44	1,801.35	20	71.4	617.52	606.09
J158	1,799.38	3,270.33	J786	-10.31	815.75	1,799.41	20	72.42	616.18	604.75
J16	1,597.84	1,658.90	J584	13.75	699.06	1,597.85	20	26.25	779.89	404.00
J160	1,797.62	3,181.58	J786	-8.19	820.65	1,797.64	20	73.13	615.19	603.75
J162	1,797.65	3,123.81	J786	-6.79	823.88	1,797.68	20	74.15	614.89	603.45
J164	1,797.44	3,056.54	J786	-5.19	827.57	1,797.48	20	73	614.72	603.28
J166	1,780.71	1,780.80	J166	20	709.07	1,780.80	20	20	594.95	583.53
J170	1,799.90	2,850.40	J786	-0.34	838.76	1,799.94	20	69.55	616.34	604.87
J172	1,800.08	2,489.00	J786	7.4	856.64	1,800.12	20	59.86	616.42	605.01
J174	1,798.51	2,570.80	J786	5.68	852.67	1,798.52	20	64.03	616.34	604.88
J176	1,798.54	2,649.40	J786	4.03	848.85	1,798.55	20	66.11	616.34	604.88
J178	1,798.73	2,336.02	J786	10.42	863.6	1,798.74	20	56.64	616.34	604.88
J18	1,147.85	1,150.22	J458	19.66	712.87	1,147.90	20	20.34	93.19	63.22
J180	1,799.18	3,277.75	J786	-10.5	815.32	1,799.21	20	72.27	616.26	604.83
J182	1,620.67	1,620.72	J182	20	723.72	1,620.72	20	20	434.82	422.64
J184	1,823.53	2,560.67	J786	6.63	854.85	1,823.56	20	51.36	631.00	621.04
J186	1,830.40	2,498.63	J786	8.06	858.16	1,830.43	20	47.69	632.16	625.94
J190	1,839.32	2,742.83	J786	3.36	847.32	1,839.34	20	53.12	634.63	631.38
J192	1,845.45	3,097.52	J786	-4.2	829.86	1,845.49	20	61.22	634.38	633.66
J194	1,846.17	3,017.01	J786	-2.35	834.14	1,846.20	20	59.1	635.05	634.56
J196	1,846.92	2,952.21	J786	-0.88	837.52	1,846.94	20	55.54	637.63	635.23
J198	1,850.19	3,040.55	J786	-2.75	833.21	1,850.22	20	56.63	635.44	635.79
J200	1,849.19	3,037.38	J786	-2.72	833.27	1,849.22	20	56.61	635.27	635.03
J204	1,859.15	1,870.39	J786	19.82	885.3	1,859.17	20	20.73	633.86	640.76
J206	2,360.31	3,026.13	J786	10.91	864.73	2,360.33	20	33.59	683.91	683.51
J208	2,173.76	3,040.48	J786	6.77	855.18	2,173.78	20	39.51	667.85	667.49
J210	1,973.60	3,073.45	J786	0.83	841.47	1,973.68	20	48.9	666.76	664.48
J212	1,905.10	3,139.36	J786	-2.85	832.98	1,905.13	20	53.81	654.93	651.37
J214	2,154.12	2,758.26	J786	11.02	864.97	2,154.13	20	35.91	1,690.69	1,690.66
J216	2,153.30	2,660.03	J786	12.56	868.54	2,153.32	20	34.24	1,723.41	1,723.38
J22	1,260.92	1,261.04	J22	20	718.88	1,261.04	20	20	110.60	79.76
J220	2,154.22	2,348.04	J786	17.29	879.44	2,154.24	20	26.98	1,772.99	1,690.46
J222	1,811.63	1,811.66	J222	20	809.62	1,811.66	20	20	1,431.38	1,347.01
J224	1,905.96	1,957.51	J222	17.54	803.94	1,906.00	20	22.5	1,524.83	1,441.38
J226	1,512.00	1,626.18	DP_H_2	15.26	835.5	1,512.04	20	24.74	1,277.24	1,092.59
J228	1,324.25	1,367.10	J230	16.68	787.56	1,324.32	20	23.32	116.32	115.41
J230	1,104.37	1,104.46	J230	20	795.22	1,104.46	20	20	77.20	76.60
J232	1,755.00	2,840.41	J786	-1.9	835.17	1,755.10	20	56.37	626.03	618.37
J234	1,697.58	2,910.10	J786	-6.17	825.32	1,697.66	20	56.17	712.51	706.78
J236	1,622.50	1,685.97	J786	18.84	883.03	1,622.53	20	22.27	712.96	708.34
J238	1,537.71	1,846.12	J786	13.59	870.92	1,537.76	20	27.16	734.50	731.18
J24	1,500.45	1,500.52	J24	20	723.63	1,500.52	20	20	312.02	299.41
J246	1,669.96	2,947.12	J786	-8.42	820.11	1,670.03	20	57.94	761.81	757.29
J250	1,737.98	2,727.02	J786	0.08	839.73	1,738.04	20	54.07	936.67	935.78
J252	1,602.73	1,602.74	J256	20	783.03	1,602.74	20	20	868.71	867.97
J254	1,430.01	1,430.02	J254	20	783.03	1,430.02	20	20	717.30	716.60
J256	1,067.46	1,067.48	J256	20	783.03	1,067.48	20	20	421.38	420.81
J258	1,792.73	2,832.80	J786	-0.27	838.93	1,792.80	20	56.85	639.38	630.34
J26	1,842.02	2,513.29	J786	8.11	858.27	1,842.05	20	55.21	646.50	631.80
J260	1,797.58	2,880.14	J786	-1.1	837	1,797.63	20	58.28	629.42	619.52
J262	1,800.42	2,826.09	J786	0.23	840.08	1,800.44	20	58.15	621.48	611.40
J264	1,799.28	2,762.45	J786	1.59	843.22	1,799.30	20	57.35	617.97	607.67

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)	d(Phase 1)
J266	1,803.97	2,672.41	J786	3.68	848.05	1,804.02	20	56.65	618.99	608.06
J268	1,799.52	2,945.18	J786	-2.51	833.76	1,799.55	20	64.02	616.26	605.09
J270	1,796.47	3,047.37	J786	-5.02	827.96	1,796.52	20	68.67	613.62	602.36
J272	1,796.64	2,822.92	J786	0.15	839.9	1,796.69	20	64.25	613.51	602.19
J274	1,791.06	3,215.66	J786	-9.32	818.05	1,791.09	20	71.47	609.80	598.56
J276	1,786.02	3,102.01	J786	-6.79	823.87	1,786.05	20	69.68	606.45	595.29
J278	1,783.70	2,592.68	J786	4.74	850.49	1,783.73	20	59.24	606.14	595.23
J28	1,560.21	1,560.24	J766	20	718.87	1,560.24	20	20	361.96	348.21
J280	1,783.26	2,508.17	J786	6.49	854.53	1,783.32	20	56.24	608.18	597.65
J282	1,784.88	3,175.94	J786	-8.67	819.54	1,784.91	20	70.05	605.46	594.40
J284	1,789.74	3,254.14	J786	-10.34	815.7	1,789.77	20	70.79	608.59	597.44
J286	1,791.72	3,207.77	J786	-9.14	818.45	1,791.81	20	68.89	606.89	595.88
J288	1,782.26	3,151.36	J786	-8.24	820.54	1,782.34	20	68.51	598.02	587.03
J290	1,763.76	2,860.43	J786	-1.99	834.96	1,763.83	20	64.07	658.86	652.42
J292	1,764.40	2,365.80	J786	8.89	860.06	1,764.42	20	48.78	835.64	830.08
J294	1,541.63	2,204.77	J390	-11.31	769.53	1,541.65	20	52.07	668.01	663.25
J296	1,755.25	2,265.80	J786	10.65	864.14	1,755.29	20	43.9	801.63	795.92
J298	1,749.06	2,270.99	J786	10.38	863.5	1,749.11	20	43.33	709.28	704.19
J30	1,448.64	1,449.80	J766	19.87	718.58	1,448.67	20	20.13	266.33	236.37
J300	1,733.50	2,174.90	J786	11.91	867.03	1,733.53	20	39.81	647.45	639.39
J302	1,486.81	1,486.84	J302	20	830.06	1,486.84	20	20	442.66	435.44
J304	1,682.33	1,704.25	J786	19.62	884.82	1,682.37	20	20.95	679.60	673.16
J306	1,730.91	3,079.04	J786	-8.8	819.24	1,730.98	20	62.6	664.42	657.16
J308	1,772.58	2,718.67	J786	1.6	843.24	1,772.64	20	53.82	664.25	656.58
J310	1,774.63	2,951.98	J786	-3.7	831.01	1,774.69	20	61.06	651.31	643.45
J312	1,746.03	3,065.96	J786	-7.75	821.67	1,746.09	20	63.18	645.99	638.20
J314	1,790.50	2,861.27	J786	-0.94	837.39	1,790.56	20	60.46	607.09	596.65
J316	1,773.66	2,857.75	J786	-1.5	836.09	1,773.69	20	60.71	632.95	626.88
J318	1,773.04	2,691.76	J786	2.2	844.64	1,773.09	20	57.48	1,000.09	997.73
J320	1,754.40	3,035.84	J786	-6.61	824.3	1,754.44	20	64.13	1,002.64	1,001.36
J322	1,251.24	1,331.78	J390	15.79	832.07	1,251.27	20	24.83	863.24	862.63
J324	1,239.86	1,281.60	J390	17.82	836.76	1,239.88	20	22.35	1,153.36	1,153.30
J326	1,759.37	2,934.50	J786	-3.93	830.48	1,759.42	20	63.4	824.79	822.45
J328	1,667.06	1,746.19	J786	18.58	882.43	1,667.07	20	24.85	761.81	757.29
J332	1,774.75	2,144.15	J786	13.49	870.67	1,774.81	20	39.91	736.03	728.46
J334	1,575.54	1,575.56	J334	20	772.85	1,575.56	20	20	695.41	692.33
J336	1,782.73	2,088.67	J786	14.7	873.48	1,782.75	20	41.2	603.53	592.36
J338	1,784.62	2,495.20	J786	6.82	855.29	1,784.65	20	58.12	605.31	594.14
J34	1,757.72	1,757.81	J34	20	725.08	1,757.81	20	20	569.42	556.92
J340	1,787.71	2,990.31	J786	-4.02	830.27	1,787.73	20	69.45	607.91	596.70
J342	1,792.35	3,129.34	J786	-7.15	823.04	1,792.38	20	72.42	610.60	599.29
J344	1,791.77	3,158.28	J786	-7.87	821.38	1,791.79	20	72.91	610.60	599.28
J346	1,795.85	2,889.61	J786	-1.38	836.36	1,795.89	20	67.73	612.85	601.48
J348	1,795.38	2,954.60	J786	-2.88	832.89	1,795.40	20	71.38	612.60	601.18
J350	1,794.84	2,918.38	J786	-2.06	834.79	1,794.86	20	70.98	612.53	601.12
J352	1,794.65	2,867.91	J786	-0.91	837.44	1,794.68	20	69.85	612.55	601.13
J354	1,795.73	2,575.87	J786	5.48	852.2	1,795.77	20	63.05	1,175.60	1,174.03
J356	1,793.14	2,735.40	J786	1.98	844.13	1,793.16	20	66.79	610.68	599.28
J358	1,793.53	2,776.04	J786	1.1	842.08	1,793.58	20	67.78	610.60	599.20
J36	1,664.77	1,664.79	J40	20	723.64	1,664.78	20	20	480.54	468.16
J360	1,389.60	1,389.62	J360	20	711.04	1,389.62	20	20	411.64	406.98
J362	1,792.68	2,422.60	J786	8.55	859.28	1,792.71	20	57.93	1,570.80	1,570.62
J364	1,787.02	3,067.51	J786	-5.89	825.96	1,787.04	20	70.88	608.10	596.92
J366	1,784.41	2,601.10	J786	4.59	850.14	1,784.43	20	60.6	605.76	594.64
J368	629.82	629.85	J368	20	730.42	629.85	20	20	45.82	44.45
J370	2,159.37	3,033.26	J786	6.56	854.68	2,159.41	20	39.8	667.01	666.66
J38	1,628.42	1,628.43	J38	20	723.4	1,628.43	20	20	444.51	432.23
J388	1,226.29	1,385.26	J390	11.3	821.72	1,226.30	20	28.7	479.07	475.76
J390	1,134.99	1,134.99	J390	20	841.79	1,135.00	20	20	412.29	409.22
J392	1,944.64	3,094.74	J786	-0.57	838.24	1,944.67	20	50.95	663.39	660.43
J394	1,293.63	1,373.54	J396	14.23	795.22	1,293.64	20	25.77	116.21	115.51
J396	764.07	764.09	J396	20	808.54	764.09	20	20	36.65	36.45
J398	1,337.76	1,398.26	J400	15.32	784.04	1,337.78	20	24.68	431.89	427.37
J40	1,045.02	1,045.04	J40	20	723.64	1,045.04	20	20	63.91	54.29
J400	937.19	937.23	J400	20	794.85	937.23	20	20	192.08	191.14
J402	1,811.15	3,295.82	J786	-10.39	815.57	1,811.18	20	64.52	626.23	615.57
J404	1,838.47	2,753.23	J786	3.12	846.75	1,838.48	20	52.92	634.34	631.09
J406	1,829.81	2,497.23	J786	8.08	858.19	1,829.84	20	47.67	632.16	625.92
J408	1,845.07	1,947.23	J786	18.36	881.92	1,845.08	20	25.92	636.66	634.54
J410	1,845.07	2,735.37	J786	3.7	848.1	1,845.08	20	51.87	636.66	634.54
J412	1,716.47	1,716.48	CW_H_4	20	809.6	1,716.48	20	20	1,338.31	1,253.02
J416	2,154.14	2,798.75	J786	10.36	863.46	2,154.15	20	36.78	1,690.49	1,690.46
J418	2,146.92	2,955.50	J786	7.56	857.01	2,146.94	20	42.91	1,765.91	1,765.92
J42	1,811.72	2,034.00	J786	16.27	877.11	1,811.80	20	35.08	624.35	611.88
J420	2,146.47	3,173.81	J786	3.73	848.15	2,146.49	20	46.37	667.11	667.44
J422	2,141.83	3,011.39	J786	6.45	854.44	2,141.84	20	43.16	666.80	667.34
J434	1,813.29	3,094.26	J786	-5.4	827.08	1,813.30	20	68.63	628.07	615.24
J436	1,813.27	2,787.47	J786	1.54	843.11	1,813.29	20	62.2	627.67	614.87
J438	16.19	13.47	J438	20	699.06	16.21	20	20	0.09	0.08
J44	1,807.76	3,239.29	J786	-9.14	818.45	1,807.79	20	68.18	623.63	611.40
J440	1,798.34	2,249.42	J786	12.07	867.42	1,798.35	20	52.42	616.34	604.88
J442	1,798.47	2,119.11	J786	14.49	873	1,798.48	20	46.09	616.34	604.88
J444	1,798.80	2,049.53	J786	15.75	875.89	1,798.82	20	41.41	616.35	604.89
J446	1,798.46	1,822.11	J786	19.62	884.82	1,798.47	20	22.55	616.34	604.88
J448	1,707.14	1,707.15	J448	20	667.49	1,707.15	20	20	525.05	513.59
J450	1,576.66	1,577.07	RH_H_1	19.95	663.74	1,576.67	20	20.05	394.64	383.18
J452	1,030.10	1,040.80	J456	18.17	691.47	1,030.11	20	21.83	326.24	51.43
J458	958.92	958.93	J458	20	713.65	958.93	20	20	62.27	42.24

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)	d(Phase 1)
J46	1,805.46	3,369.69	J786	-12.5	810.69	1,805.49	20	69.96	621.45	609.77
J460	1,026.80	1,026.82	J460	20	719.46	1,026.82	20	20	121.43	45.93
J462	1,308.21	1,308.23	J462	20	719.46	1,308.23	20	20	226.49	96.28
J464	1,855.70	2,831.20	J786	2.06	844.3	1,855.73	20	64.53	952.04	639.60
J466	1,793.57	1,793.59	J466	20	727.43	1,793.59	20	20	1,057.28	576.98
J468	1,845.04	2,867.95	J786	0.91	841.65	1,845.05	20	61.64	1,012.23	633.97
J470	1,842.51	2,072.79	J786	16.22	876.97	1,842.53	20	35.53	647.72	632.59
J472	1,857.81	3,103.10	J786	-3.79	830.81	1,857.83	20	64.86	644.71	640.94
J474	1,547.95	1,547.99	J474	20	767.89	1,547.99	20	20	320.16	327.83
J476	1,772.03	1,772.04	J476	20	764.81	1,772.04	20	20	546.85	553.74
J478	2,150.79	2,976.98	J786	7.3	856.4	2,150.81	20	39.8	667.54	667.71
J48	1,812.81	3,098.16	J786	-5.52	826.82	1,812.82	20	68.71	627.67	614.87
J480	2,147.67	3,181.42	J786	3.63	847.92	2,147.70	20	46.25	667.19	667.47
J486	1,606.51	1,922.15	J786	13.75	871.29	1,606.56	20	27.25	838.98	836.29
J492	1,772.61	2,897.79	J786	-2.46	833.86	1,772.63	20	60.2	1,751.36	1,751.35
J494	1,786.82	3,079.42	J786	-6.18	825.28	1,786.83	20	69.26	607.94	596.77
J496	1,785.71	2,374.43	J786	9.31	861.04	1,785.73	20	53.34	606.70	595.54
J498	1,783.24	2,489.79	J786	6.89	855.46	1,783.25	20	56.23	605.85	594.88
J50	1,825.65	3,177.20	J786	-6.84	823.77	1,825.66	20	65.9	638.48	623.00
J500	1,789.20	3,239.79	J786	-9.97	816.53	1,789.22	20	71.79	609.20	597.97
J502	1,799.51	2,946.12	J786	-2.54	833.69	1,799.55	20	64.09	615.87	604.71
J504	1,804.87	3,366.47	J786	-12.43	810.86	1,804.88	20	69.87	621.65	610.01
J506	1,804.87	2,810.34	J786	0.75	841.28	1,804.88	20	60.8	621.65	610.01
J510	1,798.51	3,277.97	J786	-10.52	815.27	1,798.53	20	72.37	616.24	604.81
J512	1,782.99	2,244.74	J786	11.78	866.74	1,783.00	20	48.77	604.38	593.21
J514	67.12	72.64	J632	7.73	717.89	67.12	20	32.27	0.61	0.58
J516	1,454.76	1,454.77	J516	20	711.04	1,454.77	20	20	1,234.59	1,234.42
J518	1,798.15	3,195.86	J786	-8.52	819.89	1,798.17	20	72.68	615.52	604.08
J52	1,836.65	3,206.40	J786	-7.06	823.26	1,836.67	20	69.48	645.58	629.26
J522	1,164.52	1,164.55	J522	20	730.13	1,164.55	20	20	86.50	79.92
J526	991.45	991.49	J526	20	706.36	991.49	20	20	74.31	43.90
J528	973.38	973.44	J528	20	705.98	973.44	20	20	71.03	41.98
J530	1,806.62	3,363.18	J786	-12.3	811.16	1,806.66	20	69.66	621.76	610.13
J532	2,137.55	3,672.90	J786	-6.2	825.25	2,137.56	20	68.22	667.54	668.35
J534	1,758.58	2,775.79	J786	-0.21	839.08	1,758.61	20	59.47	1,017.31	1,016.07
J54	1,841.49	3,144.45	J786	-5.43	827.02	1,841.54	20	69.06	647.60	631.40
J56	1,844.79	3,066.66	J786	-3.51	831.44	1,844.83	20	68.17	648.71	633.02
J58	1,844.72	3,029.37	J786	-2.67	833.39	1,844.76	20	68.05	648.31	633.05
J596	1,147.82	1,147.84	J596	20	819.55	1,147.84	20	20	56.41	56.43
J60	1,841.86	2,585.38	J786	6.68	854.97	1,841.89	20	57.58	646.78	631.99
J62	1,842.78	2,180.80	J786	14.34	872.65	1,842.80	20	41.21	647.71	632.59
J632	44.96	44.96	J632	20	746.2	44.96	20	20	0.36	0.34
J634	916.16	916.25	J634	20	697.39	916.25	20	20	125.27	122.68
J644	990.27	1,122.32	J644	20	717.33	1,122.32	20	20	145.96	55.77
J66	787.06	3,162.66	J786	-5.68	826.45	1,845.74	20	68.72	647.07	633.38
J664	1,791.95	1,633.65	J664	20	758.29	1,633.65	20	20	734.60	730.15
J674	1,844.58	2,522.37	J786	6.5	854.55	1,791.96	20	61.23	1,566.08	1,565.90
J68	1,778.49	3,115.43	J786	-4.53	829.09	1,847.23	20	66.2	747.39	634.11
J682	1,760.91	2,935.78	J786	-3.24	832.08	1,775.89	20	64.97	595.26	584.26
J686	1,770.45	2,623.68	J786	3.33	847.24	1,760.91	20	58.81	694.59	688.65
J690	1,752.83	2,671.59	J786	2.59	845.53	1,770.45	20	57	1,107.21	1,106.23
J696	1,845.71	2,859.32	J786	-2.37	834.08	1,752.83	20	61.19	998.35	997.05
J70	1,701.55	3,187.68	J786	-6.17	825.32	1,847.68	20	67.39	647.23	634.78
J702	1,837.72	1,699.63	J702	20	667.07	1,699.63	20	20	517.97	506.51
J712	1,836.66	3,309.28	J786	-9.44	817.75	1,837.72	20	68.61	640.12	630.57
J716	1,851.82	3,366.94	J786	-10.89	814.41	1,836.66	20	71.07	644.01	630.01
J72	1,814.09	2,956.89	J786	-0.76	837.8	1,852.29	20	61	625.37	638.05
J722	1,520.24	1,813.63	CW_H_1	20	797.7	1,813.63	20	20	1,434.36	1,350.72
J726	599.72	1,633.56	DP_H_2	15.32	835.66	1,520.24	20	24.68	1,286.90	1,102.36
J734	1,843.23	1,732.02	FN_H_1	20	701.08	1,732.02	20	20	877.31	538.63
J74	1,858.09	3,198.66	J786	-6.52	824.51	1,845.69	20	66.98	644.98	633.40
J742	1,889.45	2,995.70	J786	-1.47	836.15	1,855.69	20	68.19	1,084.81	640.04
J746	1,855.37	2,631.47	J786	7.12	855.99	1,889.46	20	54.56	632.63	655.65
J754	1,842.64	2,876.04	J786	1.1	842.1	1,855.38	20	59.3	622.18	639.93
J76	2,128.20	3,255.66	J786	-7.9	821.32	1,844.37	20	69.64	647.39	633.11
J764	876.65	2,989.39	J786	6.29	854.06	2,126.51	20	55.82	685.45	687.92
J766	96.06	876.65	J766	20	718.87	876.65	20	20	81.45	32.34
J774	1,598.10	1,103.62	J770	16.1	697.24	1,079.12	20	23.92	365.05	58.86
J776	703.08	1,598.10	J776	20	730.51	1,598.10	20	20.14	414.28	401.79
J778	1,842.81	703.08	J778	20	730.19	703.08	20	20.02	27.14	23.17
J78	1,794.76	3,217.94	J786	-7.02	823.34	1,843.72	20	69.58	647.62	633.17
J780	1,232.80	2,355.43	J786	9.92	862.44	1,793.87	20	55.65	1,340.06	1,339.28
J784	1,443.95	1,304.22	J390	16.22	833.06	1,232.80	20	23.94	485.94	482.63
J786	137.77	1,443.95	J786	20	885.71	1,443.95	20	20	775.71	773.58
J792	1,767.67	137.77	J792	20	773.72	137.77	20	20	1.58	1.53
J796	722.53	1,767.67	J796	20	669.74	1,767.67	20	20.18	586.01	574.55
J80	1,958.30	3,191.78	J786	-6.41	824.76	1,843.78	20	69.17	647.68	633.16
J800	2,151.93	2,525.97	J786	10.77	864.4	1,957.32	20	49.09	665.02	681.35
J802	1,783.48	2,997.66	J786	6.99	855.67	2,151.93	20	40	667.85	667.96
J804	1,109.72	1,794.23	J474	19.27	766.21	1,783.48	20	20.79	557.53	565.20
J806	1,120.63	1,109.72	J806	20	770.17	1,109.72	20	19.94	77.29	71.01
J808	1,663.88	1,150.65	J808	20	763.63	1,150.65	20	20.01	76.12	69.89
J810	1,148.55	1,712.99	J806	14.2	756.78	1,634.45	20	25.84	403.04	414.05
J812	1,865.76	1,159.50	J806	18.86	767.53	1,148.55	20	21.18	83.59	76.70
J814	1,842.78	3,092.36	J786	-3.24	832.08	1,865.76	20	64.36	616.02	644.86
J82	1,485.14	2,766.73	J786	3.02	846.51	1,843.86	20	60.89	1,216.16	633.15
J84	1,434.77	1,487.64	J460	19.74	718.87	1,485.27	20	20.26	288.43	273.05
J86	1,854.94	1,434.31	J462	20	719.46	1,434.31	20	20.01	279.89	222.23

ID	Total Demand (gpm)	Available Flow at Hydrant (gpm)	Critical Node ID	Critical Node Pressure (psi)	Critical Node Head (ft)	Design Flow (gpm)	Design Pressure (psi)	Design Fire Node Pressure (psi)	d(Ext)	d(Phase 1)
J88	1,854.12	2,735.09	J786	4.06	848.92	1,855.95	20	61.97	678.86	639.31
J90	1,841.12	3,073.66	J786	-3.3	831.93	1,853.79	20	64.51	643.80	638.44
J92	1,841.70	3,333.74	J786	-9.89	816.73	1,841.81	20	70.25	645.71	631.79
J94	1,842.66	3,338.44	J786	-10.02	816.42	1,841.13	20	70.32	645.67	631.75
J96	1,847.86	3,329.91	J786	-9.69	817.18	1,844.83	20	69.14	642.54	632.59
J98	1,784.51	3,170.83	J786	-5.83	826.09	1,846.48	20	65.39	627.48	633.89
MY_H_4	1,567.95	2,109.12	J786	14.32	872.61	1,782.51	20	42.5	604.38	593.21
MY_H_6	1,791.95	1,567.95	MY_H_6	20	758.29	1,567.95	20	20	680.70	676.40
NC_H_1	1,775.89	2,344.58	J786	10.08	862.82	1,791.96	20	54.75	1,566.22	1,566.04
PE_H_2	1,760.91	2,607.28	J786	4.18	849.19	1,775.89	20	58.2	595.26	584.26
PE_H_3	1,836.66	2,386.52	J786	8.38	858.89	1,760.91	20	52.36	713.00	707.33
PN_H_2	1,538.82	2,929.53	J786	-0.72	837.88	1,836.66	20	64.4	644.01	630.01
RH_H_1	1,652.76	1,538.82	RH_H_1	20	663.86	1,538.82	20	20	357.16	345.70
RH_H_2	1,889.45	1,652.76	RH_H_2	20	667.07	1,652.76	20	20	471.10	459.64
RJ_H_1	1,770.45	2,405.25	J786	11.36	865.78	1,889.46	20	47.46	632.63	655.65
SD_H_2	1,752.83	2,392.02	J786	8.53	859.24	1,770.45	20	49.97	1,112.27	1,111.30
SD_H_3	1,008.25	2,535.87	J786	4.97	851.01	1,752.83	20	54.63	1,005.34	1,004.07
TP_H_1	1,837.72	1,008.25	TP_H_1	20	696.4	1,008.25	20	20.02	309.11	48.20
WA_H_4	1,422.65	2,820.07	J786	1.69	843.46	1,837.71	20	60.7	640.11	630.56
WN_H_1	500	1,422.65	WN_H_1	20	710.81	1,422.65	20	20.14	1,203.00	1,202.83

APPENDIX G

INTERMUNICIPAL WATER AND SEWER AGREEMENTS

AGREEMENT

THIS AGREEMENT, made and entered into, as of the 20th day of November, 2006, by and between the VILLAGE OF DANSVILLE, a municipal corporation of the State of New York, having its office at 14 Clara Barton Street, Dansville, New York 14437, hereinafter called (the Village"), and

The TOWN OF NORTH DANSVILLE, Livingston County, New York, a municipal corporation, acting on behalf of Dansville Bella Vista Center Water District below, having its office at 14 Clara Barton Street, Danville, Livingston County, New York 14437, hereunder called (the "Town").

Dansville Bella Vista Center Water District of said Town of North Dansville, a municipal entity with its offices at 14 Clara Barton Street, Dansville, New York 14437.

WITNESSETH:

WHEREAS, the Dansville Bella Vista Center Water District herein referred to has been or will be duly formed by the Town pursuant to the applicable provisions of the Town Law of the State of New York and is the owner of facilities used in the sale and distribution of water to consumers in said district, (the district to be known as "Dansville Bella Vista Center Water District "), designated as an area described as follows: as per legal description attached as Exhibit A and map of Water District attached as Exhibit "B" (collectively hereinafter referred to as (the "Water District"), and

WHEREAS, the Village is the owner of facilities used in the purification, distribution, and sale of said water to resident consumers in the Village and others, and

WHEREAS, the Village is empowered to sell users outside the said Village the surplus of water not needed by the resident and business consumers of the Village of Dansville, and

WHEREAS, the Village and the Town deem it necessary to enter into an Agreement for the sale and purchase of surplus water to the Water District.

NOW, THEREFORE, in consideration of the mutual covenants contained herein, it is understood and agreed:

1. On and after the effective date of this Agreement, the Village will furnish and supply water to the Water District in accordance with the Laws, Rules, and Regulations of the United States, the State of New York and the Village of Dansville as they presently exist, and as they may

be from time to time amended. The term of this Agreement shall be for a period of ten (10) years from the first day of the month following the date of execution of the agreement by the Water District, the Town and the Village, and such term shall continue for additional periods of five (5) years each unless and until either Party shall have duly served a duly authorized six-month written notice upon the Chief Executive of the other Party of intent not to continue this Agreement beyond the next succeeding termination date.

2. The Village shall sell and deliver water to the Water District at one (1) meter located in an appropriate location in order to adequately supply the Water District. This location will hereinafter be called the "Connection Point".

3. a. The Water District shall at the Town's sole cost install a master meter at the Connection Point to measure the volume of water transmitted. This meter and any replacements thereof shall be satisfactory to and approved in writing by the Village. The master meter will be controlled and operated by the Water District within the accuracy limits as specified for repair of meters in the then latest revision of the AWWA standards for testing cold water meters, Series C-700. Either party shall have the right to test at its own expense the meter accuracy at any reasonable time. The Water District shall bear all costs of maintaining the meter and shall provide for its replacement if required. The Village shall have the right at all times to enter onto the Water District's property to read, inspect and test said meter.

b. In the event the master meter is found to be malfunctioning or inaccurate, the Water District will promptly repair or replace the master meter at the Water District's expense. When an independent test shows that a meter has stopped registering or is improperly registering, the Village will estimate consumption based upon actual consumption during the same period of previous years or such other method as both parties may agree upon.

4. a. The water furnished by the Village shall meet all applicable Federal and New York State requirements, including, without limitation, the provisions of the New York State Sanitary Code.

b. 1) The Village shall bill the Water District at the Village's normal quarterly intervals, at such rates and on such terms as the Village may from time to time establish for the said Water District.

2) At present the Village shall charge the Water District for water at the same rate as out of Village users pay, that being one and one-third times the in Village base rate for a 16-inch pipe plus one and one-third of the in Village water usage rate, as these rates may change from time to time.

c. If the Water District fails to pay the entire bill rendered by the Village within thirty (30) days of when due, there also shall then be owing by the Water District to the Village a 10% penalty on the unpaid balance. If any such bill shall not be paid in full within sixty (60) days of when due, the Village shall give thirty (30) days written notice to the Water District that they can terminate all supply of water to the Water District until all then current and outstanding bills are paid, as well as seek any other remedy as allowed by law. Also if the Water District fails to pay any quarterly bill within sixty (60) days of when due, the Village shall be entitled to all reasonable attorney's fees necessarily incurred by the Village to cure said breach and collect all sums including attorney's fees owed to it hereunder.

d. The Water District shall be provided with all changes of payment terms and rate adjustments at least ninety (90) days prior to the effective date of the change(s). Any such change(s) shall not terminate this contract.

e. The Town itself shall guarantee to the Village payment of all Water District bills, expenses, penalties and fees owed by the Water District to the Village. This guarantee by the Town to the Village can be enforced by the Village against the Town without the need of the Village first taking recourse against the Water District or any other person or entity.

5. The Village will conduct, at its expense, such tests as required or requested by the Livingston County Department of Health of its system, but not for the Water District. All tests required by the Department of Health on the part of the Water District shall be conducted and paid for by the Town, on behalf of the Water District.

6. To the extent the Village has water supply capacity in excess of the needs of the Village, the Village agrees to furnish the Water District up to two hundred thousand (200,000) gallons of water daily for a minimum duration of one hundred twenty (120) minutes and thereafter a minimum of seventy thousand (70,000) GPD delivered at the meter hereinbefore referred to until the capacity of two hundred thousand (200,000) gallons per day is reestablished. The Water District shall not be required to purchase a specified minimum.

7. The water supplied by the Village will be used by the Water District for drinking water, for sanitary and public purposes including the extinguishing of fires. It is understood that the water will be only sold to individuals and to businesses residing in the geographical bounds of said Water District. All end users in the Water District shall be individually metered and be subject to all administrative regulations as shall be promulgated by the Water District and/or the Town as to rates, metering, payment, penalties, termination and such other topics as the Water District deems necessary.

8. It is understood and agreed that the Water District will not resell water purchased from the Village to any other district, municipality or user or resident outside the Water District without the written consent of the Village.

9. The Water District shall be fully responsible for the term of this Agreement and all extensions thereof, for all operation, maintenance, repairs, and administration of and within the Water District, together with any and all replacements, additions, betterments and/or

improvements which may hereafter be furnished and installed therein. The Water District and all the systems within its territory shall remain the property of the Water District which shall remain solely responsible for all unpaid indebtedness now and in the future owing thereon, for all required maintenance and upgrading required to comply with all federal, state, and other applicable laws, rules, and regulations. The Water District shall be solely responsible for connection into the Village water system in accordance with all federal, state, county and other applicable laws, rules, and regulations. To the extent the Water District breaches any of its obligations in this paragraph, it shall indemnify, defend, and hold the Village harmless for all loss, damage, penalties, etc. suffered by the Village arising out of or in any way connected with same. In administrating the water connection within the Water District, the Water District and/or the Town shall promulgate all necessary laws, rules, and regulations authorized by law to regulate and control the connection of water by users located within the geographical limits of the Water District, establish user rates and the collection thereof, and to otherwise administer the Water District

10. Replacements, additions, betterments and/or improvements may be made by the Town and/or the Water District in their sole discretion and at their own cost and expense. When so made by the Town and/or the Water District, legal title thereto shall be and remain in the Town and/or the Water District.

10.1 The Village shall not at any time be obligated to make any repairs, replacements, additions, betterments, or improvements within the territorial limits of the Town or the Water District.

If the Water District desires to hire the Village personnel to perform services for the Water District, then such shall be by separate contract between the Village and the Water District. In no event shall the Water District hire Village personnel to perform services for the Water District except as Village employees. In no event shall said personnel be hired independently, unless authorized in advance in writing by the Village.

10.2 There shall be no extensions of the territorial limits of the Water District without:

a. concurrent extension of Dansville Bella Vista Center Sewer District, and

b. the advanced written approval of the Village on such terms as the Village may agree upon

11. In the event of an emergency or other necessity, the Village shall have the right to shut off or reduce the flow of water to the Water District for such periods as are necessary, and the Village shall restore service and make water available as soon as it can reasonably do so. With respect to the continuity of service and the quantity, quality or pressure of the water in the pipes or mains supplying same, the Village agrees to comply with all governmental regulations of the New York State Department of Health and DEC as they are applicable to such matters and the Village makes no expressed guarantees with respect to such matters. The Village shall not, under any circumstances, be held liable by the Water District or any of its users for loss or damage from a deficiency or failure or other defect in the quality or supply of water, whether caused by the shutting off of water in case of an accident or for alterations, extensions, connections, or repairs,

or for any cause whatsoever. This shall be made a part of the contract with every Water District user. This shall not be construed to mean an assumption of liability by the Town for loss or damage from a deficiency or failure or other defect in the delivery of water nor shall the Town and/or the Water District interpret it as an indemnification agreement in favor of the Village.

12. Failure of the Village, the Water District and/or the Town to perform any of its obligations under this Agreement resulting from any cause or causes beyond its control (including but not limited to strikes, labor disputes, fire, acts of God or acts or orders of the government) shall not constitute an actionable default or breach of this Agreement. The time for performance of any duty or obligation hereunder which cannot be performed as a result of an event of Force Majeure shall be extended for a period equal to the duration of such inability to perform; notwithstanding the foregoing, it is understood that events of Force Majeure shall not extend the time for payment of any money which is due and payable or extend the current term of this Agreement.

13. Miscellaneous

a. Assignment. No party may assign its rights or obligations under this Agreement, unless the written consent of all other parties hereto is obtained.

b. Amendments. This Agreement may be amended or modified only by a subsequent written document executed by all parties hereto.

c. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

d. Operation, maintenance and administration of the Water District shall be the sole responsibility of the Water District.

e. The Town shall be solely liable for the cost of the all piping laid by the Town inside the Village for the benefit of the Water District. The Town shall immediately dedicate this line to the Village as soon as it is completed, after which the Village shall own and be responsible for the repair and maintenance of same, but only to the Water District meter at the Village/Town line.

14. The Town agrees to indemnify, defend, and hold harmless the Village from all damage, penalties and loss of every kind suffered by the Village, Water District, and all third parties including users within said District arising out of or connected in any way with this Agreement and/or Dansville Bella Vista Center Water District.

15. It is expressly understood and agreed that any property of the Village used by the Village to provide water capacity by the Village is and will be in the future considered tax exempt and nontaxable, and not subject to any sales or use tax, or any real or personal property tax or service charge, and further it is understood that if any such tax or charge is levied or charged, such amount will be amount to the amounts due to the Village from the Town and/or Water District.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and the respective corporate seals affixed as of the day and year first above written.

Village Of Dansville

By: _____
Barry Haywood, Mayor

Attest

_____
Village Clerk

Town Of North Danville Board For Itself and On Behalf of Dansville Bella Vista Center Water District

By: _____
Dennis Mahus, Supervisor

Attest

_____
Town Clerk

Exhibit "A"

DANSVILE BELLA VISTA WATER DISTRICT

ALL THAT TRACT OR PARCEL OF LAND,SITUATE IN TOWN OF NORTH DANSVILLE,COUNTY OF LIVINGSTONE AND STATE OF NEW YORK, BEING PART OF LOT NO.20 TOWNSHIP 6, RANGE 8 AS SHOWN ON THE ACCOMPAYING MAP, AND MORE PARTICULARLY DESCRIBED AS FOLLOWS:

COMMENCING AT THE INTERSECTION OF THE CENTER LINE N.Y.S. ROUTE 36 (WIDTH VARIES) WITH THE CENTERLINE AT POAGS HOLE ROAD, BEING A SOUTH LINE OF LOT 20;

THENCE N 88°11'45" W ALONG THE CENTER LINE OF POAGS HOLE ROAD AND THE SOUTH LINE OF LOT 20, A DISTANCE OF 249.12 FEET TO THE POINT OF BEGINNING ON THE CENTER LINE OF POAGS HOLE ROAD;

THENCE N 21°06'28" W, A DISTANCE OF 27.12 FEET TO A POINT;

THENCE S 88°37'12" E, A DISTANCE OF 111.96 FEET TO A POINT;

THENCE N 34°29'54" E, A DISTANCE OF 85.05 FEET TO A POINT;

THENCE N 20°56'55" W, A DISTANCE OF 110.92 FEET TO A POINT;

THENCE N 21°40'09" W, A DISTANCE OF 195.79 FEET TO A POINT;

THENCE N 20°51'48" W, A DISTANCE OF 180.52 FEET TO A POINT;

THENCE N 57°51'52" W, A DISTANCE OF 174.36 FEET TO A POINT ON THE WEST SIDE R.O.W INTERSTATE HIGHWAY 390;

THENCE S 68°45'36" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 68.29 FEET TO A POINT;

THENCE S 68°48'43" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 120.49 FEET TO A POINT;

THENCE N 84°12'00" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 226.71 FEET TO A POINT;

THENCE N 51°44'01" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 205.06 FEET TO A POINT;

THENCE N 25°26'07" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 132.58 FEET TO A POINT;

THENCE N 03°46'33" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 335.00 FEET TO A POINT;

THENCE N 11°03'21" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 68.55 FEET TO A POINT;

THENCE N 02°11'06" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 8.00 FEET TO A POINT;

THENCE N 02°11'09" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 254.19 FEET TO A POINT;

THENCE N 24°51'49" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 451.89 FEET TO A POINT;

THENCE N 35°00'09" W, ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 206.49 FEET TO A POINT;

THENCE N 34°30'50" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 1047.22 FEET TO A POINT;

THENCE N 34°30'57" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 60.82 FEET TO A POINT;

THENCE N 34°30'49" W ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 307.01 FEET TO A POINT;

THENCE N 34°29'03" W, ALONG THE WEST SIDE R.O.W. OF INTERSTATE HIGHWAY 390, A DISTANCE OF 48.76 FEET TO A POINT ON THE CENTER LINE OF MILL CREEK;

THENCE S 56°51'53" W ALONG THE CENTER LINE OF MILL CREEK, A DISTANCE OF 56.98 FEET TO A POINT;

THENCE S 87°39'00" W ALONG THE CENTER LINE OF MILL CREEK, A DISTANCE OF 82.98 FEET TO A POINT;

THENCE S 74°48'58" W ALONG THE CENTER LINE OF MILL CREEK, A DISTANCE OF 131.76 FEET TO A POINT;

THENCE S 87°01'58" W ALONG THE CENTER LINE OF MILL CREEK, A DISTANCE OF 155.14 FEET TO A POINT;

THENCE N 85°19'15" W ALONG THE CENTER LINE OF MILL CREEK, A DISTANCE OF 165.55 FEET TO A POINT AT THE INTERSECTION CENTER LINE OF MILL CREEK AND CENTER LINE OF CANASERAGA CREEK;

THENCE S 08°35'17" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 265.43 FEET TO A POINT;

THENCE S 29°50'30" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 307.48 FEET TO A POINT;

THENCE S 86°58'59" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 157.30 FEET TO A POINT;

THENCE S 15°44'52" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 210.69 FEET TO A POINT;

THENCE S 15°32'39" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 254.22 FEET TO A POINT;

THENCE S 09°50'17" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 202.01 FEET TO A POINT;

THENCE S 29°56'29" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 209.79 FEET TO A POINT;

THENCE S 20°50'17" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 93.87 FEET TO A POINT;

THENCE S 63°50'50" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 231.71 FEET TO A POINT;

THENCE S 24°51'08" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 108.33 FEET TO A POINT;

THENCE S 00°44'58" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 165.43 FEET TO A POINT;

THENCE S 52°31'14" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 180.38 FEET TO A POINT;

THENCE S 72°08'31" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 68.44 FEET TO A POINT;

THENCE S 50°18'03" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 159.47 FEET TO A POINT;

THENCE S 40°22'41" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 157.94 FEET TO A POINT;

THENCE S 21°09'14" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 128.82 FEET TO A POINT;

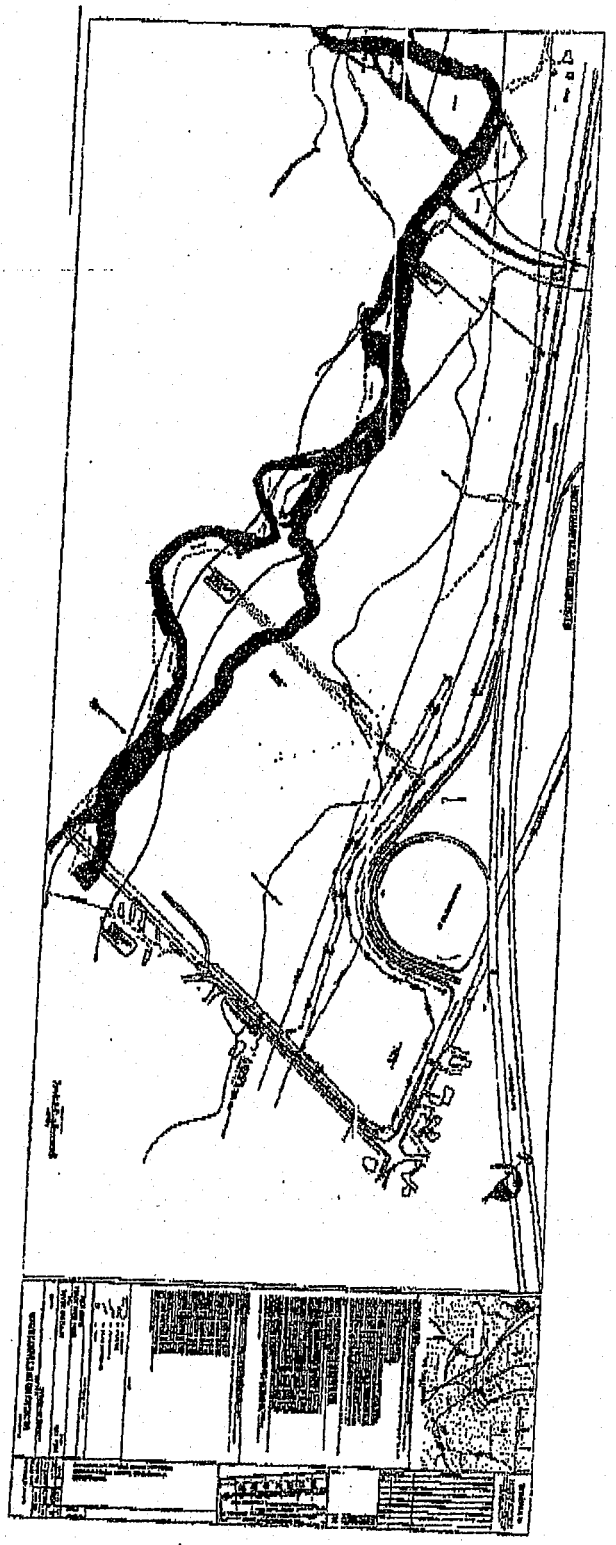
THENCE S 06°56'56" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 136.20 FEET TO A POINT;

THENCE S 02°52'35" W, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 178.45 FEET TO A POINT;

THENCE S 00°07'33" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 168.44FEET TO A POINT;

THENCE S 17°55'47" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 92.55FEET TO A POINT;
THENCE S 05°52'05" E, ALONG THE CENTER LINE OF CANASERAGE CREEK, A DISTANCE OF 57.74 FEET TO A POINT AT THE INTERSECTION OF CENTER LINE OF CANASERAGA CREEK AND LOT LINE SOUTH LINE LOT 20;
THENCE S 88°15'50" E, ALONG THE SOUTH LINE LOT 20 AND NORTH LINE OF LOT 82, A DISTANCE OF 844.77 FEET TO A POINT;
THENCE N 01°44'10" E, NORTHERLY, ALONG THE SOUTH LINE LOT 20 AND WEST LINE LOT 22, A DISTANCE OF 7.02 FEET TO A POINT;
THENCE S 88°11'45" E, ALONG THE SOUTH LINE LOT 20 AND NORTH LINE OF LOT 22, A DISTANCE OF 942.37 FEET TO THE POINT OF BEGINNING;

CONTAINING 87.00 MORE OR LESS ACRES.



NORTH DANSVILLE WATER DISTRICT #1

EXHIBIT "B"

Municipal Cooperation Agreement
For
Water Service
Between
Town of West Sparta
And
Village of Dansville
And
Town of North Dansville

THIS AGREEMENT, made and entered into, as of the 12 day of February 2009 by and between the VILLAGE OF DANSVILLE, a municipal corporation of the State of New York, having its office at 14 Clara Barton Street, Dansville, New York, hereunder called the "Village", and

THE TOWN OF West Sparta, Livingston County, New York, a municipal corporation, acting on behalf of all its Water Districts and extensions thereto, whether existing now or hereafter formed, having its office at 8302 Kysorville-Byersville Road, West Sparta, Livingston County, New York, hereunder called the "Town", and

THE TOWN OF North Dansville, Livingston County, New York, a municipal corporation of the State of New York, having its office at 14 Clara Barton Street, Dansville, Livingston County, New York, hereunder called the "Town of North Dansville", and

Woodsville Water District of said Town of West Sparta, a municipal entity with its offices at 8302 Kysorville-Byersville Road, West Sparta, New York 14437.

WHEREAS, all Town Water Districts and extensions thereto, have been duly formed pursuant to the applicable provisions of the Town Law of the State of New York and said districts are the owners of facilities used in the sale and distribution of water to consumers in these districts,

WHEREAS, the Village is the owner of facilities used in the purification, distribution, and sale of water to resident consumers in the Village and others, and

WHEREAS, the Village is empowered to sell users outside the said Village the surplus of water not needed by the resident consumers of the Village, and

WHEREAS, the Village and the Town deem it necessary to enter into a Agreement for the sale and purchase of surplus water, and

WHEREAS, the Town of North Dansville is the owner of facilities used in the distribution of water produced by the Village, and

WHEREAS, the Town and the Town of North Danville deem it necessary to enter into an Agreement for connection to mains owned by the Town of North Dansville and conveyance of water to the Town,

NOW THEREFORE, in consideration of the mutual covenants contained herein, it is understood and agreed:

1. The term of this Agreement will commence on the date set forth above and shall continue for a period of thirty eight (38) years, and such term shall continue for additional periods of five (5) years each unless and until either Party shall have duly served a duly authorized six-month written notice upon the Chief Executive of the other Party of intent not to continue this AGREEMENT beyond the next succeeding termination date.

2. The Village shall sell and deliver to the Water District at meters located in appropriate locations in order to adequately supply the Town Water District(s). These locations will be called the "Connection Point".

3. a. The water furnished by the Village shall meet all applicable Federal and New York State requirements, including, without limitation, the provisions of the New York State Sanitary Code.

b. 1) The Village shall bill the individual connections in the Water District at the Village's normal quarterly intervals.

2) The Village shall charge the individual connections in the Water District for water at the same rate as out of Village users pay, that being one and one-third times the in Village base rate and one and one-third of the in Village water usage rate, as these rates may change from time to time.

c. The individual connections in the Water District shall be provided with all changes of payment terms and rate adjustments at least ninety (90) days prior to the effective date of the change(s). Any such change(s) shall not terminate this contract.

4. The Village will conduct, at its expense, such tests as required or requested by the Livingston County Department of Health of its system. All tests required by the Department of Health on the part of the Water District shall be conducted and paid for by the Water District.

5. The Village agrees to furnish the Water District up to 20,000 gallons of water daily to be delivered at the point of connection. The Water District shall not be required to purchase a specified minimum.

6. The water supplied by the Village will be used by the Water District for drinking water, for sanitary and public purposes including the extinguishing of fires, and it is understood that the water will be sold to individuals and to private corporations.

7. It is understood and agreed that the Water District will not resell water purchased from the Village to any other municipality without the written consent of the Village.

8. In the event of an emergency or other necessity, the Village shall have the right to shut off or reduce the flow of water to the Water District for such periods as are necessary, and the Village shall restore service and make water available as soon as it can reasonably do so. With respect to the continuity of service and the quantity, quality, or pressure of the water in the pipes or mains supplying same, the Village agrees to comply with all governmental regulations of the New York State Department of Health and DEC as they are applicable to such matters and the Village makes no expressed guarantees with respect to such matters. The Village shall not, under any circumstances, be held liable for loss or damage from a deficiency or failure or other defect in the supply of water, whether caused by the shutting off of water in case of an accident or for alterations, extensions, connections, or repairs, or for any cause whatsoever. This shall not be construed to mean an assumption of liability by the Town and/or the Water District for loss or damage from a deficiency or failure or other defect in the delivery of water nor shall the Town and/or the Water District interpret it as an indemnification agreement in favor of the Village.

10. Operation and Maintenance of the Water District Water System will be completed by the Village.

11. Failure of the Village, the Water District and/or the Town to perform any of its obligations under this Agreement resulting from any cause or causes beyond its control (including but not limited to strikes, labor disputes, fire, acts of God, or acts or orders of the government) shall not constitute an actionable default or breach of this Agreement. The time for performance of any duty or obligation hereunder which cannot be performed as a result of an event of Force Majeure shall be extended for a period equal to the duration of such inability to perform; notwithstanding the foregoing, it is understood that events of Force Majeure shall not extend the time for payment of any money which is due and payable or extend the current term of this agreement.

12. Miscellaneous

a. Assignment. No party may assign its rights or obligations under this agreement, unless the written consent of all other parties hereto is obtained.

b. Amendments. This agreement may be amended or modified only by a subsequent written document executed by all parties hereto.

c. Counterparts. This Agreement may be executed in one or more counterparts, each of which shall be deemed an original, but all of which together shall constitute one and the same instrument.

d. The Town agrees to indemnify, defend, and hold harmless the Village from all damage, penalties, and loss of every kind suffered by the Village, the Water District, and all third parties including users within said District arising

out of or connected in any way with this agreement and/or the Water District. For all such loss, penalties and/or other damage, the Village may take action against the Town without first having to take recourse against the Water District or any other entity.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed and the respective corporate seals affixed as of the day and year first above written.

VILLAGE OF DANSVILLE

By William H. Dixon
William Dixon, Mayor

ATTEST

Donna A. Clark
Village Clerk

TOWN OF WEST SPARTA BOARD on behalf of all WATER DISTRICTS AND EXTENSIONS

By Marjorie Cansdale
Marjorie Cansdale, Supervisor

ATTEST

Marie Powell
Town Clerk

TOWN OF NORTH DANSVILLE

By Dennis Mahus
Dennis Mahus, Supervisor

ATTEST

Timothy C. Wolfanger
Town Clerk

APPENDIX H

VILLAGE OF DANSVILLE WATER BUDGET

VILLAGE BUDGET

FOR 2018-2019

VILLAGE OF DANSVILLE

IN

LIVINGSTON COUNTY

CERTIFICATION OF CLERK

I, Megan Aldrich, VILLAGE CLERK, CERTIFY THAT THE FOLLOWING IS A TRUE AND CORRECT COPY OF THE 2018-2019 BUDGET OF THE VILLAGE OF DANSVILLE AS ADOPTED BY THE VIILLAGE BOARD ON APRIL 16, 2018.

I ALSO CERTIFY THAT THE TAXABLE ASSESSED VALUATION ON WHICH TAXES ARE LEVIED FOR THE 2018 - 2019 YEAR IS $ 166,979,863 THAT THE ASSESSMENT ROLL IS DATED FEBRUARY 28, 2018.

Signed: Megan Aldrich

Dated: 4/19/18

Village of Dansville
Mayor's Budget Message

The 2018-19 Village of Dansville Tentative Budget was initially prepared by me working with the department heads for the Clerk's Office, Code Enforcement & Zoning Office, Police Department and Department of Public Works. The Board of Trustees provided input at a special meeting held on Saturday, March 24. The budget is on file at the Clerk's Office and is available for public review. A copy of the exemption list is attached to the budget, along with a copy of this message. The Board gave final approval to the budget at its regular meeting on May 1, 2018, following a public hearing that was held April 11, 2018. The budget consists of three funds: General, Water, and Sewer funds. These funds are managed according to the accounting standards set by the Office of the New York State Comptroller.

The General Fund Budget: The Village assessment role for 2018 shows a taxable value of $166,979,863, which is essentially flat from 2017. Not wishing to increase the tax rate, despite the state tax cap on the levy being 2 percent, the Board chose to keep the tax levy flat at $2,169,068.42. This has resulted in appropriations (anticipated expenditures) being $2,951,497.18, a decrease of 4.23 percent over the current fiscal year. That drop is mostly a reflection of drops in other sources of income.

The General Fund has an unallocated fund balance of $920,151 and a reserve fund of $364,221.91. Approximately $150,000 of the former is earmarked for the costs associated with the replacement of the Seward St. culvert, which the Board recently declared unsafe for vehicular traffic. However, the Board is hoping to be awarded a grant through the New York State Department of Transportation NYBridge program. The Village has also reached out to our state representatives, Assemblyman Joe Errigo and Senator Cathy Young, for support.

The Water Fund Budget: This fund is entirely financed by water user fees and charges. It is in the black and holding steady. The cash-flow issues of a couple years ago are behind us, and the debt service from the filtration plant will go away in 2021. This year's appropriations are projected to be $1,378,750, a 2.12 percent decrease. The unallocated fund balance stands at $297,198.03. No water reserves have been established.

It is worth noting here that expenses for the Water Fund are not just for filtering water. The Village has a reservoir and dam to maintain, wells that are being renovated, fire hydrants that need replacing and unaccounted for unmetered water, to name a few issues. The last item is a serious concern, one that has been echoed by the state comptroller. There are multiple reasons for the loss. The Board is currently entertaining a proposal to study the water distribution system to determine the exact causes.

Related to the foregoing is the age of our water system. Leaks are common and account for some of the loss noted above. Some are ongoing and difficult to find. Others can happen suddenly. In any event, the need to identify weak lines and replace them will require the same attention.

The Sewer Fund Budget: The Sewer Fund is entirely financed by sewer user fees and charges as well. This fund is in excellent shape. At present, $256,000 is in the unallocated fund balance and another $196,366.73 is in reserve. The Waste Water Treatment Plant capital project is complete; the final cost is $384,400 per year. This amount is significantly below the initial projection of $1.5 million per annum, and it includes nearly everything that was in the original proposal. Appropriations for the fund are $1,340.004, a 4.68 percent increase over the current fiscal year. Part of the aforementioned increase in cost is because of the increase regulations and the very nature of processing sewage. Also, due to the size of the operation, an additional employee was put on at the plant.

Like the Water Fund, the Sewer Fund is more than the waste water treatment plant. The collection system is a complex series of pipelines throughout the village. Many of the lines are old and in poor shape, allowing ground water to leak into the system (referred to as inflow and infiltration, or I&I). This might not sound like a big deal, except that the water is needlessly treated at the waste water treatment plant. Not only is this unnecessary, it is a waste of money. The Village's engineering firm has been contracted to study the lines to pinpoint the sources of I&I.

Capital Improvement Program (CIP): At its March meeting, the Board of Trustees authorized me to put out a request for proposal (RFP) to get bids for the development of a CIP. This has been a long-recognized need. A recommendation from state auditors emphasizes this need more than ever. A CIP is necessary to maintain and improve local infrastructure assets by monitoring priorities and expenditures. It is a link between the comprehensive and strategic plans and results in the efficient use of public monies. The plan allows local officials to predict and prepare for future costs. While the CIP will not impact the 2018-19 budget, the issues highlighted in the preceding paragraphs will affect future budgeting. It is important for taxpayers to understand that your Board of Trustees is acting with foresight and fiscal prudence.

Thank you to our hard working trustees and village employees who show their dedication day in and day out to make our community a wonderful place to live, work and play.

Respectfully,
Peter R. Vogt
Mayor

VILLAGE OF DANSVILLE
FISCAL BUDGET GENERAL FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-A		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
APPROPRIATIONS					
GENERAL GOVERNMENT SUPPORT					
TRUSTEES					
A1010.110	TRUSTEE (1/2)	2,400.00	2,400.00	2,400.00	2,400.00
A1010.120	TRUSTEE (1/2)	2,400.00	2,400.00	2,400.00	2,400.00
A1010.130	TRUSTEE (1/2)	2,400.00	2,400.00	2,400.00	2,400.00
A1010.140	DEPUTY MAYOR (1/2)	3,400.08	3,400.00	3,400.00	3,400.00
A1010.410	CONTRACTUAL	0.00	0.00	0.00	0.00
TOTAL TRUSTEES		10,600.08	10,600.00	10,600.00	10,600.00
JUSTICE					
A1110.111	VILLAGE JUSTICE	8,179.21	8,000.00	10,800.00	9,800.00
A1110.112	VILLAGE JUSTICE	8,179.21	8,000.00	10,800.00	9,800.00
A1110.113	COURTROOM CLERK	19,461.67	18,300.00	18,500.00	18,666.00
A1110.210	EQUIPMENT	72.55	1,000.00	1,000.00	1,000.00
A1110.420	SCHOOLING & DUES	375.90	1,000.00	1,000.00	1,000.00
A1110.430	TELEPHONE EXP	823.51	1,250.00	1,250.00	1,250.00
A1110.440	ANNUAL SOFTWARE LICENSE	1,140.00	1,200.00	1,300.00	1,300.00
A1110.450	MISC CONTRACTUAL	1,866.66	1,500.00	1,500.00	1,500.00
TOTAL JUSTICE		40,098.71	40,250.00	46,150.00	44,316.00
MAYOR					
A1210.110	MAYOR (1/2)	9,000.00	9,000.00	9,000.00	9,000.00
A1210.210	EQUIPMENT	189.98	0.00	0.00	0.00
A1210.410	CONTRACTUAL	246.00	3,000.00	3,000.00	3,000.00
TOTAL MAYOR		9,435.98	12,000.00	12,000.00	12,000.00
AUDITOR					
A1320.410	CONTRACTUAL	6,583.87	6,675.00	6,250.00	6,250.00
A1320.420	AUD	0.00	0.00	0.00	0.00
A1320.430	AUDIT & TAX CAP FORM	0.00	0.00	0.00	0.00
TOTAL AUDITOR		6,583.87	6,675.00	6,250.00	6,250.00

VILLAGE OF DANSVILLE
FISCAL BUDGET GENERAL FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-A		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
CLERK					
A1325.110	VILLAGE CLERK-TREASURER (1/2)	19,968.74	19,434.16	22,500.00	22,669.30
A1325.120	DEPUTY CLERK (1/3)	9,117.00	9,895.98	9,896.00	10,608.00
A1325.130	PART TIME CLERICAL	0.00	0.00	0.00	0.00
A1325.140	BOOKKEEPER (1/3)	1,586.98	2,000.00	2,750.00	2,750.00
A1325.210	EQUIPMENT	3,040.44	2,300.00	2,000.00	2,000.00
A1325.410	LEGAL NOTICES	1,204.62	1,000.00	1,000.00	1,000.00
A1325.420	SOFTWARE DEVELOPMENT	2,590.96	3,200.00	3,300.00	3,300.00
A1325.421	CODIFICATION	5,500.00	7,500.00	0.00	0.00
A1325.422	CONTRACTUAL	570.08	200.00	500.00	500.00
A1325.423	WEB DESIGN	4,500.00	7,000.00	1,950.00	1,950.00
A1325.430	OFFICE SUPPLIES (ALL DEPT)	11,638.52	11,200.00	11,200.00	11,200.00
A1325.440	TAX SUPPLIES	2,364.38	0.00	0.00	0.00
A1325.450	TELEPHONE	2,057.11	2,400.00	2,000.00	2,000.00
	TOTAL CLERK	64,138.83	66,130.14	57,096.00	57,977.30
ATTORNEY					
A1420.410	CONTRACTUAL	5,689.53	10,000.00	10,000.00	10,000.00
	TOTAL ATTORNEY	5,689.53	10,000.00	10,000.00	10,000.00
ENGINEER					
A1440.410	CONTRACTUAL	2,416.00	20,000.00	10,000.00	10,000.00
	TOTAL ENGINEER	2,416.00	20,000.00	10,000.00	10,000.00
ELECTIONS					
A1450.410	CONTRACTUAL	1,000.00	0.00	1,500.00	1,500.00
	TOTAL ELECTIONS	1,000.00	0.00	1,500.00	1,500.00
ADDITIONAL ITEMS					
A1620.410	BLDG RENTAL	35,000.00	35,525.00	37,200.00	37,200.00
	TOTAL ADDITIONAL ITEMS	35,000.00	35,525.00	37,200.00	37,200.00

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SPECIAL ITEMS					
A1910.410	UNALLOCATED INSURANCE	64,650.54	80,000.00	80,000.00	80,000.00
A1920.410	MUNICIPAL DUES	7,064.00	7,550.00	7,500.00	7,500.00
A1920.411	TRAINING	1,357.15	1,700.00	2,000.00	2,000.00
A1921.410	ADVERTISEMENT	778.74	200.00	400.00	400.00
TOTAL SPECIAL ITEMS		73,850.43	89,450.00	89,900.00	89,900.00
FORMER CONCERTS IN PARK MOVED TO PARKS					
A1930.400	JUDGEMENTS AND CLAIMS	3,400.00	0.00	0.00	0.00
A1940.400	PURCHASE OF LAND/ RIGHT OF WAY	0.00	0.00	0.00	0.00
TOTAL FORMER CONCERTS IN PARK MOVED TO PARKS		3,400.00	0.00	0.00	0.00
GENERAL GOVT SUPPORT					
A1989.444	GENERAL GOVT SUPPORT	0.00	21,667.50	50,000.00	50,000.00
A1990.400	CONTINGENCY	0.00	44,734.86	32,817.53	30,499.19
TOTAL GENERAL GOVT SUPPORT		0.00	66,402.36	82,817.53	80,499.19
TOTAL GENERAL GOVERNMENT SUPPORT		252,213.43	357,032.50	363,513.53	360,242.49
PUBLIC SAFETY					
POLICE					
A3020.101	CLERK/TYPIST SALARIES	4,799.25	7,000.00	7,230.00	7,230.00
A3020.102	CELL SUPERVISION	0.00	0.00	0.00	0.00
TOTAL POLICE		4,799.25	7,000.00	7,230.00	7,230.00
POLICE OFFICERS					
A3120.102	CHIEF	93,133.46	81,341.23	87,000.00	81,341.23
A3120.103	OFFICER VANDUNK	15,639.70	46,695.00	50,597.52	50,597.52
A3120.104	OFFICER FAUGH	69,712.93	69,653.00	69,652.45	69,652.45
A3120.105	OFFICER MUCHA	16,130.34	46,695.00	50,597.52	50,597.52
A3120.106	OFFICER CHAPMAN	61,294.59	64,179.00	65,657.97	65,657.97
A3120.107	PT Officers	39,088.84	9,000.00	6,500.00	6,500.00
A3120.108	OFFICER GRIESE	65,830.16	67,597.00	67,596.71	67,596.71
A3120.109	OFFICER BURLEY	63,778.18	65,658.00	66,738.92	66,738.92
A3120.110	STOP DWI OVER TIME	5,524.91	0.00	0.00	0.00
A3120.111	OVERTIME	46,837.11	44,000.00	40,000.00	40,000.00

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A3120.112	VACATION/PL BUYOUT	5,008.90	16,700.00	21,000.00	21,000.00
A3120.113	SHIFT DIFFERENTAL	0.00	2,700.00	2,700.00	2,700.00
A3120.114	INVESTIGATIONS	1,137.90	1,000.00	1,000.00	1,000.00
A3120.115	HOLIDAY	0.00	4,225.00	4,225.00	4,225.00
A3120.210	EQUIPMENT	13,039.56	2,500.00	2,500.00	2,500.00
A3120.220	SPEED TRAILER	0.00	0.00	0.00	8,000.00
A3120.401	AMMO & SUPPLIES	663.36	700.00	700.00	700.00
A3120.402	POSTAGE & FORMS	211.83	750.00	500.00	500.00
A3120.403	AUTO UPKEEP	3,740.37	10,000.00	10,000.00	8,000.00
A3120.404	RADIO CONTRACT	0.00	1,000.00	1,000.00	1,000.00
A3120.405	TELEPHONE	6,732.25	6,500.00	6,500.00	6,500.00
A3120.406	I.D. & PHOTOS	394.72	750.00	500.00	500.00
A3120.407	UNCLASSIFIED EXP	1,489.82	1,500.00	1,500.00	1,500.00
A3120.408	TRAINING	336.00	3,500.00	3,500.00	3,500.00
A3120.409	FURNITURE & COMP MAINT	712.45	1,000.00	1,000.00	1,000.00
A3120.410	UNIFORMS	3,415.96	3,850.00	3,850.00	3,850.00
A3120.411	UNIFORM ROLLOVER	0.00	5,878.00	6,250.00	6,250.00
A3120.412	UNIFORMS NEW OFFICERS	3,473.36	0.00	0.00	0.00
A3120.413	POLICE VEHICLE	8,557.17	0.00	35,000.00	35,000.00
A3120.414	LIVE SCAN	1,514.16	1,515.00	1,515.00	1,515.00
A3120.415	STOP DWI EQUIP	10,440.00	0.00	0.00	0.00
A3120.416	LEXIPOL	0.00	0.00	4,800.00	4,800.00
A3120.417	BODY ARMOUR VESTS	0.00	0.00	7,500.00	7,500.00
	TOTAL POLICE OFFICERS	537,838.03	558,886.23	619,881.09	620,222.32
	BINGO INSPECTOR				
A3121.110	PERSONAL SERVICES	0.00	0.00	0.00	0.00
A3121.410	CONTRACTUAL	0.00	0.00	0.00	0.00
	TOTAL BINGO INSPECTOR	0.00	0.00	0.00	0.00
	FIRE DEPARTMENT				
A3410.210	PERSONAL PROTECTIVE EQUIPMENT	848.35	4,250.00	6,750.00	6,750.00
A3410.220	UNCLASSIFIED EQUIPMENT	0.00	1,500.00	1,500.00	1,500.00
A3410.230	FIRE FIGHTING EQUIPMENT	3,638.15	5,750.00	6,750.00	6,750.00
A3410.240	COMMUNICATIONS EQUIPMENT	9,900.00	2,500.00	2,500.00	2,500.00
A3410.250	SAFETY EQUIPMENT	67.03	150.00	150.00	150.00

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A3410.260	RESCUE EQUIPMENT	1,040.45	3,500.00	3,500.00	3,500.00
A3410.410	TELEPHONE	833.15	1,000.00	1,000.00	1,000.00
A3410.411	SIREN	661.11	800.00	800.00	800.00
A3410.412	SVC & TEST TANKS	0.00	0.00	0.00	0.00
A3410.413	MONITOR REPAIR	0.00	0.00	0.00	0.00
A3410.430	EXTINGUISHERS MAINT.	0.00	0.00	0.00	0.00
A3410.440	TRAINING AND FITNESS	3,255.30	7,500.00	6,500.00	6,500.00
A3410.450	TRAVEL EXPENSE	636.00	2,000.00	2,000.00	2,000.00
A3410.460	TRUCKHOUSE RENTAL	27,040.00	27,040.00	27,400.00	27,400.00
A3410.470	EQPT REPAIRS & MAINT	5,438.52	10,500.00	10,500.00	10,500.00
A3410.471	ADMINISTRATIVE	2,250.00	9,471.40	4,000.00	4,000.00
A3410.472	APPARATUS MAINTENANCE	18,760.00	8,950.00	9,000.00	9,000.00
A3410.473	FIRE FIGHTER SUPPLIES	1,135.69	2,750.00	2,750.00	2,750.00
A3410.474	EQUIPMENT TESTING	11,299.23	13,050.00	15,000.00	15,000.00
A3410.480	MISCELLANEOUS	141.89	28.60	1,500.00	1,500.00
	TOTAL FIRE DEPARTMENT	86,944.87	100,740.00	101,600.00	101,600.00
	FIRE PROTECTION, EQUIP & CAPITAL OUTLAY				
A3497.2R	FIRE APAPRATUS	0.00	0.00	0.00	0.00
	TOTAL FIRE PROTECTION, EQUIP & CAPITAL OUTLAY	0.00	0.00	0.00	0.00
	ANIMAL CONTROL				
A3510.110	PERSONAL SERVICES	0.00	0.00	0.00	0.00
A3510.410	CONTRACTUAL	0.00	0.00	0.00	0.00
	TOTAL ANIMAL CONTROL	0.00	0.00	0.00	0.00
	CODE ENFOREMENT				
A3620.110	TAMMY S MALONE CODE OFFICER	44,014.31	42,835.80	45,000.00	45,338.59
A3620.120	CLERK	4,526.19	9,687.60	13,000.00	13,000.00
A3620.410	Telephone	590.77	600.00	600.00	600.00
A3620.411	EDUCATION/SEMINARS	445.00	1,225.00	1,000.00	1,000.00
A3620.420	PUBLICATIONS/SOFTWARE	1,125.00	1,504.00	1,400.00	1,400.00
A3620.430	EQUIPMENT	157.50	1,000.00	1,000.00	1,000.00
A3620.440	MISC. CONTRACTUAL	0.00	346.00	500.00	500.00
A3620.450	VEHICLE	103.36	675.00	675.00	675.00

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TOTAL CODE ENFOREMENT		50,962.13	57,873.40	63,175.00	63,513.59
TOTAL PUBLIC SAFETY		680,544.28	724,499.63	791,886.09	792,565.91
PUBLIC HEALTH					
REGISTRAR					
A4020.110	REGISTRAR	0.00	0.00	0.00	0.00
TOTAL REGISTRAR		0.00	0.00	0.00	0.00
AMBULANCE					
A4540.2R	AMBULANCE	0.00	0.00	0.00	0.00
A4540.410	VEHICLE REPAIR	6,932.12	6,000.00	6,000.00	6,000.00
A4540.420	emsCHARTS annual payment	2,144.00	2,300.00	2,300.00	2,300.00
A4540.430	TELEPHONE	604.27	550.00	550.00	550.00
TOTAL AMBULANCE		9,680.39	8,850.00	8,850.00	8,850.00
TOTAL PUBLIC HEALTH		9,680.39	8,850.00	8,850.00	8,850.00
TRANSPORTATION					
HIGHWAY DEPT					
A5110.112	Overtime	11,417.95	25,000.00	35,000.00	35,000.00
A5110.113	DPW SUPERINTENDENT 1/3	24,411.13	24,581.54	25,318.98	25,810.62
A5110.114	WORKING ROAD FOREMAN PROM	0.00	52,457.60	54,828.80	54,828.80
A5110.115	Fairbrother	49,395.81	19,556.12	0.00	0.00
A5110.116	Fox	49,319.89	51,022.60	51,023.00	51,023.00
A5110.117	Hamler	49,709.07	51,197.60	51,198.00	51,198.00
A5110.118	Kysor	49,159.25	50,897.60	50,898.00	50,898.00
A5110.119	Stewart	49,111.73	50,897.60	50,898.00	50,898.00
A5110.130	LABORER	0.00	3,893.88	18,000.00	18,000.00
A5110.131	LABORER	18,400.00	18,000.00	0.00	0.00
A5110.210	EQUIPMENT	20,391.47	40,000.00	40,000.00	40,000.00
A5110.212	EQUIPMENT (BACKHOE)	0.00	0.00	0.00	0.00
A5110.213	RADIO EQUIPMENT	892.43	1,000.00	1,000.00	1,000.00
A5110.216	SKID STEER	0.00	1,000.00	1,000.00	1,000.00
A5110.218	Loader # 1	0.00	132,000.00	132,000.00	132,000.00
A5110.220	Loader # 2	0.00	132,000.00	132,000.00	132,000.00
A5110.411	EQUIPMENT REPAIRS	16,093.20	20,000.00	20,000.00	20,000.00

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A5110.413	TIRES	648.24	3,500.00	3,500.00	3,500.00
A5110.414	RADIO REPAIR	175.00	200.00	200.00	200.00
A5110.415	LUBRICANTS	896.62	1,500.00	1,500.00	1,500.00
A5110.416	PLOW BLADES	601.07	1,800.00	1,800.00	1,800.00
A5110.417	PLOW SHOES	1,672.12	1,800.00	1,800.00	1,800.00
A5110.421	GAS & ELEC	4,497.20	6,000.00	6,000.00	6,000.00
A5110.422	TELEPHONE	993.03	1,500.00	1,500.00	1,500.00
A5110.423	BLDG MAINT	511.85	2,000.00	2,000.00	2,000.00
A5110.430	TUB GRINDING	0.00	0.00	12,000.00	12,000.00
A5110.431	COLD PATCH	3,111.12	4,500.00	4,500.00	4,500.00
A5110.432	BLACK TOP	27,457.37	111,000.00	75,000.00	75,000.00
A5110.433	EQPT RENTAL	14,064.00	15,000.00	15,000.00	15,000.00
A5110.434	CATCH BASIN REPAIR	12,402.44	15,000.00	10,000.00	10,000.00
A5110.435	ROAD PAINT	305.85	500.00	500.00	500.00
A5110.436	GRAVEL	14,891.47	15,000.00	15,000.00	15,000.00
A5110.437	TOP SOIL	3,518.48	3,000.00	3,000.00	3,000.00
A5110.438	SIGNS	3,644.97	3,000.00	3,000.00	3,000.00
A5110.442	TOOLS	3,164.12	3,500.00	3,500.00	3,500.00
A5110.443	SAFETY EQPT	4,838.22	5,000.00	5,000.00	5,000.00
A5110.444	UNCLASSIFIED EXP	28,897.63	22,500.00	22,500.00	22,500.00
A5110.445	TRAINING/ASSOC DUES	0.00	0.00	0.00	0.00
	TOTAL HIGHWAY DEPT	464,592.73	889,804.54	850,464.78	850,956.42
	CONSOLIDATED HIGHWAY IMPROVEMENT				
A5112.410	CONTR	90,726.29	190,260.40	110,000.00	110,000.00
	TOTAL CONSOLIDATED HIGHWAY IMPROVEMENT	90,726.29	190,260.40	110,000.00	110,000.00
	SNOW REMOVAL				
A5142.410	CONTRACTUAL/SALT	12,119.28	21,000.00	25,000.00	25,000.00
	TOTAL SNOW REMOVAL	12,119.28	21,000.00	25,000.00	25,000.00
	STREET LIGHTING				

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A5182.410	BABCOCK PARK	4,309.92	5,000.00	5,000.00	5,000.00
A5182.430	WILLIAMS PK,PIONEER PK	1,611.31	2,000.00	2,000.00	2,000.00
A5182.440	STREET LIGHTS	62,145.63	68,000.00	68,000.00	68,000.00
	TOTAL STREET LIGHTING	68,066.86	75,000.00	75,000.00	75,000.00
	SIDEWALKS				
A5410.444	MATERIALS	16,348.11	15,000.00	15,000.00	15,000.00
	TOTAL SIDEWALKS	16,348.11	15,000.00	15,000.00	15,000.00
	GASOLINE				
A5670.410	UNLEADED	16,076.40	35,000.00	30,000.00	30,000.00
A5670.420	DIESEL	12,356.66	26,000.00	20,000.00	20,000.00
	TOTAL GASOLINE	28,433.06	61,000.00	50,000.00	50,000.00
	TOTAL TRANSPORTATION	680,286.33	1,252,064.94	1,125,464.78	1,125,956.42
	CULTURE AND RECREATION				
	PARKS				
A7110.110	PT (25 HRS) SEASONAL	968.50	10,500.00	6,500.00	6,500.00
A7110.120	FT SEASONAL	0.00	0.00	0.00	0.00
A7110.130	(1) SEASONAL LABORER	0.00	0.00	0.00	0.00
A7110.400	CONTRACTUAL IMPROVEMENTS	16,348.62	10,000.00	20,000.00	20,000.00
A7110.410	BROOKSIDE HOUSE ELECTRIC	887.89	1,000.00	1,000.00	1,000.00
	TOTAL PARKS	18,205.01	21,500.00	27,500.00	27,500.00
	RECREATION				
A7310.410	SUMMER/REC	18,000.00	23,000.00	23,000.00	23,000.00
A7310.411	SUMMER REC TOWN SHARE	2,000.00	2,000.00	2,000.00	2,000.00
A7310.430	HALLOWEEN PARADE	192.92	225.00	300.00	300.00
A7310.440	HOLIDAY LIGHTS	0.00	0.00	0.00	2,000.00
A7310.450	CONTRACTUAL	0.00	0.00	0.00	0.00
A7310.460	CONCERT IN THE PARK	3,000.00	3,000.00	3,000.00	3,000.00
A7310.470	CONCERTS ON MAIN STREET	0.00	0.00	0.00	2,000.00
A7310.480	HISTORICAL WALKING TOUR	0.00	0.00	0.00	5,000.00
	TOTAL RECREATION	23,192.92	28,225.00	28,300.00	37,300.00

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CELEBRATIONS					
A7550.410	MEMORIAL DAY	600.00	600.00	600.00	600.00
TOTAL CELEBRATIONS		600.00	600.00	600.00	600.00
TOTAL CULTURE AND RECREATION		41,997.93	50,325.00	56,400.00	65,400.00
HOME AND COMMUNITY SERVICES					
PLANNING					
A8020.110	COMPREHENSIVE SECRETARY	420.00	1,400.00	1,400.00	1,400.00
A8020.410	MAILING SUPPLIES	0.00	0.00	0.00	0.00
TOTAL PLANNING		420.00	1,400.00	1,400.00	1,400.00
STORM SEWER					
A8140.410	MAINTENANCE	23,363.52	20,000.00	15,000.00	15,000.00
TOTAL STORM SEWER		23,363.52	20,000.00	15,000.00	15,000.00
DUMPSTER					
A8160.410	CONTRACTUAL	2,376.00	3,000.00	3,000.00	3,000.00
TOTAL DUMPSTER		2,376.00	3,000.00	3,000.00	3,000.00
STREET SWEEPING					
A8170.410	BID CONTRACT AMOUNT	0.00	4,550.00	4,000.00	4,000.00
TOTAL STREET SWEEPING		0.00	4,550.00	4,000.00	4,000.00
TREE REMOVAL & TRIM					
A8560.410	TREE REMOVAL	9,000.00	19,832.50	8,000.00	8,000.00
A8560.420	REPLACEMENT	1,210.00	2,000.00	2,000.00	2,000.00
TOTAL TREE REMOVAL & TRIM		10,210.00	21,832.50	10,000.00	10,000.00
ACQUISION OF REAL PROPERTY					
A8660.2	ACQUISITION OF REAL PROPERTY	1,104.83	0.00	0.00	0.00
TOTAL ACQUISION OF REAL PROPERTY		1,104.83	0.00	0.00	0.00

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FLOOD & EROSION CONT. FEMA DIS. 4180DRNY					
A8745.110	FLOOD & EROSION CONT. FEMA DIS.	31,887.07	71,435.79	0.00	0.00
TOTAL FLOOD & EROSION CONT. FEMA DIS. 4180DRNY		31,887.07	71,435.79	0.00	0.00
TOTAL HOME AND COMMUNITY SERVICES		69,361.42	122,218.29	33,400.00	33,400.00
EMPLOYEE BENEFITS					
EMPLOYEE BENEFITS					
A9010.810	RETIREMENT GENERAL	48,248.39	60,000.00	60,000.00	60,000.00
A9015.810	RETIREMENT POLICE	98,192.00	105,000.00	120,000.00	120,000.00
A9030.800	Social Security	72,589.05	75,000.00	75,000.00	75,000.00
A9030.810	SOCIAL SECURITY	0.00	0.00	0.00	0.00
A9040.810	WORKMENS COMP	12,900.00	11,685.00	12,000.00	12,000.00
A9050.810	UNEMPLOYMENT INS	3,098.20	13,848.74	10,000.00	10,000.00
A9055.810	DISABILITY INSURANCE 1/3	0.00	1,496.26	2,000.00	2,000.00
TOTAL EMPLOYEE BENEFITS		235,027.64	267,030.00	279,000.00	279,000.00
HOSPITALIZATION/CSEA INS					
A9060.81	HOSPITALIZATION/CSEA INS	0.00	0.00	0.00	0.00
A9060.810	HOSPITALIZATION/ INS	209,581.02	225,000.00	225,000.00	225,000.00
A9060.811	HRA	519.86	19,030.00	16,200.00	16,200.00
A9060.812	EMPLOYEE ASSIST. PROGRAM	299.16	432.00	450.00	450.00
A9060.813	FIRE & AMB ACC DEATH & DISM INS	1,245.00	1,500.00	1,500.00	1,500.00
TOTAL HOSPITALIZATION/CSEA INS		211,645.04	245,962.00	243,150.00	243,150.00
TOTAL EMPLOYEE BENEFITS		446,672.68	512,992.00	522,150.00	522,150.00
DEBT SERVICE					
DEBT SERVICE					
A9710.601	HOOK & LADDER PRINCIPAL FM 7/2020	35,000.00	35,000.00	35,000.00	35,000.00
A9710.602	PROS FIRE TRUCK #1 PRINCIPAL FM 10/2016	14,545.00	0.00	0.00	0.00
A9710.603	AMBULANCE PRINCIPAL FM 10/2018	42,000.00	42,000.00	0.00	436.00
A9710.604	FIRE TRUCK #2 PRINCIPAL FM 4/2018	17,000.00	1,000.00	0.00	0.00
A9710.605	STREET PAVING '07 PRINCIPAL FM 4/2018	8,000.00	0.00	0.00	0.00
A9710.701	HOOK & LADDER INTEREST	7,481.25	5,819.00	5,819.00	4,157.00
A9710.702	FIRE TRUCK #1 INTEREST	145.45	0.00	0.00	0.00
A9710.703	AMBULANCE INTEREST	1,268.72	428.72	440.36	4.36

VILLAGE OF DANSVILLE
FISCAL BUDGET GENERAL FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-A		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
A9710.704	FIRE TRUCK #2 INTEREST	405.00	22.50	0.00	0.00
A9710.705	STREET PAVING '07 INTEREST	270.00	45.00	45.00	0.00
	TOTAL DEBT SERVICE	126,115.42	84,315.22	41,304.36	39,597.36
	BAN				
A9730.610	PRINCIPAL	0.00	0.00	0.00	0.00
A9730.710	INTEREST	0.00	0.00	0.00	0.00
	TOTAL BAN	0.00	0.00	0.00	0.00
	INSTALLMENT PURCHASE				
A9785.400	SIX WHEEL DUMP-'17	31,746.37	31,800.00	0.00	0.00
A9785.410	MINI EXCAVATOR 8/2018	3,334.57	3,335.00	3,335.00	3,335.00
A9785.420	D5K DOZER	0.00	0.00	0.00	0.00
	TOTAL INSTALLMENT PURCHASE	35,080.94	35,135.00	3,335.00	3,335.00
	TOTAL DEBT SERVICE	161,196.36	119,450.22	44,639.36	42,932.36
	TOTAL APPROPRIATIONS	2,341,952.82	3,147,432.58	2,946,303.76	2,951,497.18

VILLAGE OF DANSVILLE
FISCAL BUDGET GENERAL FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 2-A		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
ESTIMATED REVENUES					
	REAL PROPERTY TAXES				
A1001	REAL PROPERTY TAXES	2,200,107.93	2,169,075.25	2,169,075.00	2,169,068.42
	TOTAL REAL PROPERTY TAXES	2,200,107.93	2,169,075.25	2,169,075.00	2,169,068.42
	REAL PROPERTY TAX ITEMS				
A1090	TAX INTEREST & PENALTIES	6,428.82	4,000.00	4,000.00	4,000.00
	TOTAL REAL PROPERTY TAX ITEMS	6,428.82	4,000.00	4,000.00	4,000.00
	NON-PROPERTY TAX ITEMS				
A1120	COUNTY SALES TAX	86,752.31	78,000.00	78,000.00	78,000.00
A1130	UTILITIES GROSS RECEIPTS TAX	15,038.13	20,000.00	20,000.00	20,000.00
A1170	Franchise Fees	56,198.87	30,000.00	30,000.00	30,000.00
	TOTAL NON-PROPERTY TAX ITEMS	157,989.31	128,000.00	128,000.00	128,000.00
	DEPARTMENTAL INCOME				
A1230	TREASURER FEES	1,275.00	750.00	750.00	750.00
A1603	VITAL STATISTICS FEES	0.00	0.00	0.00	0.00
A1710	SIDEWALKS	11,323.00	10,000.00	10,000.00	10,000.00
A2089	OTHER CULTURE & RECREATION INCOME	0.00	0.00	0.00	0.00
A2090	Softball Assoc Electric Reimb	2,430.42	2,000.00	2,000.00	2,000.00
A2110	CODE AND ZONNING FEES	11,496.00	9,000.00	9,000.00	9,000.00
	TOTAL DEPARTMENTAL INCOME	26,524.42	21,750.00	21,750.00	21,750.00
	INTERGOVERNMENTAL CHARGES				
A2260	AMBULANCE BILLING - MED EX	90,645.61	51,279.00	51,279.00	51,279.00
A2262	FIRE PROTECTION/RESCUE	101,633.62	101,982.14	80,749.76	80,749.76
	TOTAL INTERGOVERNMENTAL CHARGES	192,279.23	153,261.14	132,028.76	132,028.76
	USE OF MONEY AND PROPERTY				
A2401	INTEREST AND EARNINGS	442.95	200.00	200.00	200.00
	TOTAL USE OF MONEY AND PROPERTY	442.95	200.00	200.00	200.00
	LICENSES AND PERMITS				
A2501	DOOR TO DOOR SALES PERMIT	0.00	0.00	0.00	0.00
A2540	BINGO LICENSES	541.85	650.00	650.00	650.00
A2545	LICENSES, OTHER	0.00	0.00	0.00	0.00
	TOTAL LICENSES AND PERMITS	541.85	650.00	650.00	650.00
	FINES AND FORFEITURES				
A2610	FINES & FORFEITED BAIL	64,797.02	43,000.00	40,000.00	40,000.00
	TOTAL FINES AND FORFEITURES	64,797.02	43,000.00	40,000.00	40,000.00

VILLAGE OF DANSVILLE
FISCAL BUDGET GENERAL FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 2-A		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
	SALE OF PROPERTY & COMPENSATIO				
A2650	Sale of Scrap	1,021.65	0.00	0.00	0.00
A2655	SALES, OTHER	0.00	0.00	0.00	0.00
A2660	SALES OF REAL PROPERTY	0.00	0.00	0.00	0.00
A2665	SALES OF EQUIPMENT	680.00	5,000.00	0.00	0.00
A2666	Loader # 1 Revenue	0.00	137,000.00	137,000.00	137,000.00
A2667	Loader # 2 Revenue	0.00	137,000.00	137,000.00	137,000.00
A2680	INSURANCE RECOVERIES	17,632.88	8,000.00	8,000.00	8,000.00
	TOTAL SALE OF PROPERTY &	19,334.53	287,000.00	282,000.00	282,000.00
	MISCELLANEOUS LOCAL SOURCES				
A2701	REFUNDS OF PRIOR YEAR'S EXPENDITURES	205.40	0.00	0.00	0.00
A2702	CULTURE & REC FROM TOWN	2,000.00	2,000.00	2,000.00	2,000.00
A2703	BABCOCK PARK ELECTRIC REIMB.-OTHER	246.04	200.00	200.00	200.00
A2704	TOWN N. DANS. CODE OFCR.	3,600.00	3,600.00	3,600.00	3,600.00
A2705	ENCUMBERED FOR GRANT WRITER	0.00	0.00	0.00	0.00
A2706	STOP D.W.I.	20,097.26	15,000.00	0.00	0.00
A2770	UNCLASSIFIED	2,062.33	0.00	0.00	0.00
	TOTAL MISCELLANEOUS LOCAL SOURCES	28,211.03	20,800.00	5,800.00	5,800.00
	STATE AID				
A3001	ST AID, REVENUE SHARING	45,227.00	40,000.00	40,000.00	40,000.00
A3005	ST. AID, MORTGAGE TAX	28,339.19	18,000.00	18,000.00	18,000.00
A3021	Court Facilities Grant	0.00	0.00	0.00	0.00
A3330	COURT GRANT	1,100.00	0.00	0.00	0.00
A3389	ST. AID, OTHER PUBLIC SAFETY	800.00	0.00	0.00	0.00
A3501	ST. AID, CONSOLIDATED HIGHWAY AID	0.00	29,739.60	110,000.00	110,000.00
A3820	ST. AID, YOUTH PROGRAMS	0.00	0.00	0.00	0.00
A3889	ST. AID, OTHER CUL & REC. AID	0.00	0.00	0.00	0.00
	TOTAL STATE AID	75,466.19	87,739.60	168,000.00	168,000.00
A4320	FED AID, CRIME CONTROL	0.00	0.00	0.00	0.00
					2,951,497.18
TOTAL ESTIMATED REVENUES		2,772,123.28	2,915,475.99	2,951,503.76	2,951,497.18

APPROPRIATED FUND BALANCE	-430,155.46	231,956.59	-5,200.00	0.00
TOTAL REVENUES & OTHER SOURCES	2,341,967.82	3,147,432.58	2,946,303.76	2,951,497.18

VILLAGE OF DANSVILLE
FISCAL BUDGET WATER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-F		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
APPROPRIATIONS					
GENERAL GOVERNMENT SUPPORT					
TRUSTEE					
F1010.110	TRUSTEE (1/4)	1,200.00	1,200.00	1,200.00	1,200.00
F1010.120	TRUSTEE (1/4)	1,200.00	1,200.00	1,200.00	1,200.00
F1010.130	TRUSTEE (1/4)	1,200.00	1,200.00	1,200.00	1,200.00
F1010.140	DEPUTY MAYOR (1/4)	1,700.04	1,700.00	1,700.00	1,700.00
TOTAL TRUSTEE		5,300.04	5,300.00	5,300.00	5,300.00
MAYOR					
F1210.110	MAYOR (1/4)	4,500.00	4,500.00	4,500.00	4,500.00
TOTAL MAYOR		4,500.00	4,500.00	4,500.00	4,500.00
AUDITOR					
F1320.420	AUDITOR	2,691.93	3,100.00	3,125.00	3,125.00
TOTAL AUDITOR		2,691.93	3,100.00	3,125.00	3,125.00
VILLAGE CLERK					
F1325.100	VILLAGE CLERK-TREASURER (1/4)	9,984.35	9,717.08	11,250.00	11,334.65
F1325.120	DEPUTY CLERK (1/3)	5,338.53	9,895.98	9,896.00	10,608.00
F1325.130	BOOK KEEPER 1/3	1,586.61	2,000.00	2,750.00	2,750.00
F1325.140	PART TIME CLERICAL	0.00	0.00	0.00	0.00
TOTAL VILLAGE CLERK		16,909.49	21,613.06	23,896.00	24,692.65
MILL CREEK DAM ADMIN FEE					
F1380.410	MILL CREEK DAM ADMIN FEE	88.00	71.00	71.00	55.00
TOTAL MILL CREEK DAM ADMIN FEE		88.00	71.00	71.00	55.00
ATTORNEY					
F1420.410	CONTRACTUAL	0.00	1,000.00	1,000.00	1,000.00
TOTAL ATTORNEY		0.00	1,000.00	1,000.00	1,000.00

VILLAGE OF DANSVILLE
FISCAL BUDGET WATER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-F		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
ENGINEER					
F1440.400	CONTRACTUAL	7,777.00	18,000.00	10,000.00	10,000.00
F1440.410	DAM/ RESERVOIR REPAIRS	4,310.00	1,000.00	5,000.00	5,000.00
TOTAL ENGINEER		12,087.00	19,000.00	15,000.00	15,000.00
SPECIAL ITEMS					
F1910.410	INSURANCE	15,932.08	20,000.00	20,000.00	20,000.00
F1920.410	MUNICIPAL DUES	0.00	600.00	200.00	200.00
F1940.410	RIGHT OF WAY- LEASE	500.00	500.00	500.00	500.00
F1950.410	TAXES	33,070.38	34,045.19	33,500.00	33,500.00
TOTAL SPECIAL ITEMS		49,502.46	55,145.19	54,200.00	54,200.00
CONTINGENCY					
F1990.400	Contingency	0.00	13,579.71	0.00	13,805.55
TOTAL CONTINGENCY		0.00	13,579.71	0.00	13,805.55
TOTAL GENERAL GOVERNMENT SUPPORT		91,078.92	123,308.96	107,092.00	121,678.20
HOME AND COMMUNITY SERVICES					
ADMINISTRATION					
F8310.110	WATER & SEWER ACCT CLERK 1/2 W/	22,880.25	23,477.20	23,477.00	23,477.00
F8310.120	DPW SUPERINTENDENT (1/3)	24,411.10	24,581.54	25,318.98	25,810.62
F8310.210	COMPUTER/OFFICE EQUIP	948.23	1,500.00	26,500.00	1,500.00
F8310.220	CAMERA	0.00	0.00	5,000.00	5,000.00
F8310.410	POSTAGE (1/2)	2,493.70	3,000.00	3,000.00	3,000.00
F8310.420	TELEPHONE	1,849.47	2,500.00	2,000.00	2,000.00
F8310.430	LEGAL NOTICES	41.50	500.00	200.00	200.00
F8310.440	SUPPLIES (OFFICE)	455.61	900.00	900.00	900.00
F8310.450	MISC	746.55	1,600.00	1,600.00	1,600.00
TOTAL ADMINISTRATION		53,826.41	58,058.74	87,995.98	63,487.62
SYSTEM OPERATOR					

VILLAGE OF DANSVILLE
FISCAL BUDGET WATER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-F		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
F8320.110	CHIEF WATER PLANT OPERATOR	89,535.24	59,871.20	59,871.00	59,871.00
F8320.120	Overtime	28,482.88	28,000.00	28,000.00	28,000.00
F8320.130	UNSCHEDULED OVERTIME	0.00	0.00	0.00	0.00
F8320.140	ASST WATER PLANT OPERATOR	55,911.01	56,839.80	56,840.00	56,840.00
F8320.170	ASSIST WATER PLANT OPERATOR	55,163.48	56,804.80	56,805.00	56,805.00
F8320.200	EQUIPMENT GIS, GPS	0.00	0.00	1,500.00	1,500.00
F8320.410	ELECTRIC	2,614.24	4,000.00	4,000.00	4,000.00
F8320.420	MISCELLANEOUS	3,733.19	8,500.00	5,000.00	5,000.00
	TOTAL SYSTEM OPERATOR	235,440.04	214,015.80	212,016.00	212,016.00
PURIFICATION					
F8330.200	SAFETY EQUIPMENT	179.64	1,000.00	1,000.00	1,000.00
F8330.410	ELECTRIC	11,490.87	15,000.00	15,000.00	15,000.00
F8330.411	POLYMERE	5,301.87	7,500.00	7,500.00	7,500.00
F8330.412	TELEPHONE	0.00	0.00	0.00	0.00
F8330.413	CLEAN FILTERS	0.00	1,400.00	1,400.00	1,400.00
F8330.414	CLEAN FINISHED WATER TANK	1,825.00	4,000.00	4,000.00	4,000.00
F8330.415	chlorine tank replace	0.00	750.00	750.00	750.00
F8330.420	CHLORINE	4,953.93	6,000.00	6,000.00	6,000.00
F8330.430	LAB TEST	4,336.19	7,500.00	7,500.00	7,500.00
F8330.440	GASOLINE	998.17	2,000.00	2,000.00	2,000.00
F8330.450	GAC (former HEAT)	0.00	5,000.00	5,000.00	5,000.00
F8330.460	MISC	14,377.13	16,000.00	19,250.00	19,250.00
F8330.470	TRAINING	2,436.33	1,500.00	1,500.00	1,500.00
F8330.480	PHOSPHATES	2,700.00	4,000.00	4,000.00	4,000.00
F8330.490	FLOURIDE	2,122.99	5,000.00	5,000.00	5,000.00
	TOTAL PURIFICATION	50,722.12	76,650.00	79,900.00	79,900.00
TRANSMIS & DISTRIB					
F8340.110	TRANS & DISTRB OPERATOR	50,787.31	0.00	0.00	0.00
F8340.111	TRANSMIS & DISTRIB PART TIME LABORER	7,135.98	0.00	0.00	0.00
F8340.112	MEO	0.00	43,852.41	50,898.00	50,898.00
F8340.122	Overtime	0.00	3,000.00	3,000.00	3,000.00
F8340.201	ZERO TURN	0.00	0.00	0.00	0.00
F8340.202	SKID STEER	1,000.00	1,000.00	1,000.00	1,000.00
F8340.205	3/4 TON PICK UP	0.00	0.00	30,000.00	0.00

VILLAGE OF DANSVILLE
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FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-F		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
F8340.206	LOADER	9,000.00	10,000.00	10,000.00	10,000.00
F8340.207	GENSET FOR WELLS	0.00	5,000.00	5,000.00	5,000.00
F8340.208	WATER SALESMAN WWTP	0.00	10,000.00	0.00	0.00
F8340.230	MISC HAND TOOLS	872.36	1,200.00	1,200.00	1,200.00
F8340.240	SAFETY EQUIPMENT	272.93	-1,000.00	2,000.00	2,000.00
F8340.260	MISC. EQUIPMENT	5,740.59	5,000.00	5,000.00	5,000.00
F8340.270	EQPT RENTAL	4,260.33	5,000.00	5,000.00	5,000.00
F8340.410	GASOLINE	1,016.71	4,000.00	4,000.00	4,000.00
F8340.420	ROAD REPAIRS/COLD PATCH/GRAVEL	10,668.88	15,000.00	10,000.00	10,000.00
F8340.430	HYDRANTS	19,483.06	20,000.00	15,000.00	15,000.00
F8340.440	METERS	5,492.67	8,500.00	8,500.00	8,500.00
F8340.450	MISC. EXPENSES	25,666.29	20,000.00	20,000.00	20,000.00
F8340.460	VALVE REPLACEMENT	36,974.14	35,000.00	30,000.00	30,000.00
F8340.470	DIESEL FUEL	14.39	500.00	500.00	500.00
	TOTAL TRANSMIS & DISTRIB	178,385.64	186,052.41	201,098.00	171,098.00
	TOTAL HOME AND COMMUNITY SERVICES	518,374.21	534,776.95	581,009.98	526,501.62
EMPLOYEE BENEFITS					
EMPLOYEE BENEFITS					
F9010.800	RETIREMENT	42,995.91	50,000.00	50,000.00	50,000.00
	TOTAL EMPLOYEE BENEFITS	42,995.91	50,000.00	50,000.00	50,000.00
SOCIAL SECURITY					
F9030.800	SOCIAL SECURITY	28,240.16	26,000.00	26,000.00	26,000.00
F9040.800	WORKERS COMPENSATION	6,450.00	4,912.23	5,000.00	5,000.00
F9050.800	UNEMPLOYMENT	0.00	1,000.00	1,000.00	1,000.00
F9055.800	DISABILITY INSURANCE (1/3)	172.20	173.00	200.00	200.00
	TOTAL SOCIAL SECURITY	34,862.36	32,085.23	32,200.00	32,200.00
EMPLOYEE ASSIST. PROGRAM					
F9060.800	HOSPITALIZATION/ INS.	82,140.74	96,000.00	85,000.00	85,000.00
F9060.810	HRA	6,264.86	7,806.00	6,950.00	6,950.00
F9060.811	EMPLOYEE ASSIST. PROGRAM	124.65	135.00	135.00	135.00
	TOTAL EMPLOYEE ASSIST. PROGRAM	88,530.25	103,941.00	92,085.00	92,085.00

VILLAGE OF DANSVILLE
FISCAL BUDGET WATER FUND
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(ADOPTED APRIL 16, 2018)

Schedule 1-F		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
TOTAL EMPLOYEE BENEFITS		166,388.52	186,026.23	174,285.00	174,285.00
DEBT SERVICE					
BOND					
F9710.601	WATER PLANT PRINCIPAL FM 1/2021	340,000.00	345,000.00	345,000.00	350,000.00
F9710.602	MILL CREEK DAM PRINCIPAL 5/2021	15,000.00	15,000.00	15,000.00	15,000.00
F9710.603	WATER STORAGE TANK PRINCIPAL 9/2032	10,000.00	10,000.00	10,000.00	11,000.00
F9710.604	WATER METERS PRINCIPAL 5/2022	25,000.00	27,500.00	27,500.00	27,500.00
F9710.605	BOND Prin Water tank 1 USDA #9101 6/2032	47,000.00	49,000.00	49,000.00	50,000.00
F9710.701	WATER PLANT INTEREST	26,976.16	51,725.00	51,725.00	40,398.64
F9710.702	MILL CREEK DAM INTEREST	1,896.06	2,320.36	2,320.00	1,796.54
F9710.703	WATER STORAGE TANK INTEREST	10,125.00	9,900.00	9,900.00	9,450.00
F9710.704	WATER METERS INTEREST	5,100.00	4,350.00	4,350.00	3,525.00
F9710.705	BOND Int Water tank Phase 1 USDA #9101	48,667.50	46,507.50	46,508.00	44,280.00
TOTAL BOND		529,764.72	561,302.86	561,303.00	552,950.18
RESERVOIR REPAIRS					
F9730.600	PRINCIPAL	0.00	0.00	0.00	0.00
F9730.700	INTEREST	0.00	0.00	0.00	0.00
TOTAL RESERVOIR REPAIRS		0.00	0.00	0.00	0.00
INSTALLMENT PURCHASES					
F9785.410	MINI EXCAVATOR 8/2018	3,334.55	3,335.00	3,335.00	3,335.00
TOTAL INSTALLMENT PURCHASES		3,334.55	3,335.00	3,335.00	3,335.00
TOTAL DEBT SERVICE		533,099.27	564,637.86	564,638.00	556,285.18
INTERFUND TRANSFERS					
TRANSFERS TO OTHER FUNDS					
F9901.9	TRANSFERS TO OTHER FUNDS	0.00	0.00	0.00	0.00
TOTAL TRANSFERS TO OTHER FUNDS		0.00	0.00	0.00	0.00
TOTAL INTERFUND TRANSFERS		0.00	0.00	0.00	0.00
TOTAL APPROPRIATIONS		1,308,940.92	1,408,750.00	1,427,024.98	1,378,750.00

VILLAGE OF DANSVILLE
FISCAL BUDGET WATER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 2-F		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
ESTIMATED REVENUES					
	DEPARTMENTAL INCOME				
F2140	METERED WATER	1,358,826.79	1,370,000.00	1,370,000.00	1,340,000.00
F2142	UNMETERED WATER	7,197.00	7,000.00	7,000.00	7,000.00
F2144	WATER SEARCH	2,497.68	1,500.00	1,500.00	1,500.00
F2148	PENALTIES	30,611.59	25,000.00	25,000.00	25,000.00
	TOTAL DEPARTMENTAL INCOME	1,399,133.06	1,403,500.00	1,403,500.00	1,373,500.00
F2401	INTEREST	0.00	0.00	0.00	0.00
	LICENSES AND PERMITS				
F2590	PERMITS	326.00	250.00	250.00	250.00
	TOTAL LICENSES AND PERMITS	326.00	250.00	250.00	250.00
	SALE OF PROPERTY & COMPENSATIO				
F2655	MINOR SALES	1,700.00	0.00	0.00	0.00
F2660	SALES	0.00	0.00	0.00	0.00
F2665	SALE OF EQUIPMENT	537.32	5,000.00	5,000.00	5,000.00
F2680	INSURANCE RECOVERY	121.55	0.00	0.00	0.00
	TOTAL SALE OF PROPERTY &	2,358.87	5,000.00	5,000.00	5,000.00
F2701	REFUND PRIOR YEARS	0.00	0.00	0.00	0.00
F2770	UNCLASSIFIED	0.00	0.00	0.00	0.00
					1,378,750.00
TOTAL ESTIMATED REVENUES		1,401,817.93	1,408,750.00	1,408,750.00	1,378,750.00
APPROPRIATED FUND BALANCE		-92,877.01	0.00	18,274.98	0.00
TOTAL REVENUES & OTHER SOURCES		1,308,940.92	1,408,750.00	1,427,024.98	1,378,750.00

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
APPROPRIATIONS					
GENERAL GOVERNMENT SUPPORT					
TRUSTEE					
G1010.110	TRUSTEE (1/4)	1,200.00	1,200.00	1,200.00	1,200.00
G1010.120	TRUSTEE (1/4)	1,200.00	1,200.00	1,200.00	1,200.00
G1010.130	TRUSTEE (1/4)	1,200.00	1,200.00	1,200.00	1,200.00
G1010.140	DEPUTY MAYOR (1/4)	1,700.04	1,700.00	1,700.00	1,700.00
TOTAL TRUSTEE		5,300.04	5,300.00	5,300.00	5,300.00
MAYOR					
G1210.110	MAYOR (1/4)	4,500.00	4,500.00	4,500.00	4,500.00
TOTAL MAYOR		4,500.00	4,500.00	4,500.00	4,500.00
AUDITOR					
G1320.420	AUDITOR	2,691.93	3,100.00	3,125.00	3,125.00
TOTAL AUDITOR		2,691.93	3,100.00	3,125.00	3,125.00
G1325.110	VILLAGE CLERK-TREASURER (1/4)	9,984.35	9,717.08	11,250.00	11,334.65
G1325.120	DEPUTY CLERK (1/3)	5,337.85	9,895.98	9,896.00	10,608.00
G1325.130	BOOKKEEPER	1,587.00	2,000.00	2,750.00	2,750.00
G1325.140	PT CLERICAL	0.00	0.00	0.00	0.00
G1325.400	DIGITAL TOWPATH ANNUAL FEE DELETE	0.00	0.00	0.00	0.00
ATTORNEY					
G1420.410	CONTRACTUAL	669.60	3,000.00	1,000.00	1,000.00
TOTAL ATTORNEY		669.60	3,000.00	1,000.00	1,000.00
ADMINISTRATION					
G1440.410	ENGINEER	39,606.89	28,000.00	3,000.00	15,000.00
TOTAL ADMINISTRATION		39,606.89	28,000.00	3,000.00	15,000.00

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
INSURANCE					
G1910.410	INSURANCE	16,742.42	20,000.00	20,000.00	20,000.00
G1910.411	FEMA INSURANCE	2,779.00	3,200.00	3,200.00	3,200.00
G1920.410	MUNICIPAL DUES	0.00	300.00	0.00	0.00
TOTAL INSURANCE		19,521.42	23,500.00	23,200.00	23,200.00
CONTINGENCY					
G1990.400	Contingency	0.00	109,817.62	23,130.42	1,251.99
TOTAL CONTINGENCY		0.00	109,817.62	23,130.42	1,251.99
TOTAL GENERAL GOVERNMENT SUPPORT		89,199.08	198,830.68	87,151.42	78,069.64
HOME AND COMMUNITY SERVICES					
ADMINISTRATION					
G8110.100	WATER & SEWER ACCT CLERK 1/2 W/	22,859.10	23,477.20	23,477.00	23,477.00
G8110.110	DPW SUPERINTENDENT (1/3)	24,411.10	24,581.54	25,318.98	25,810.62
G8110.210	EQUIPMENT	712.24	1,300.00	1,300.00	1,300.00
G8110.410	POSTAGE	2,457.66	3,000.00	3,000.00	3,000.00
G8110.411	SUPPLIES OFFICE	366.52	500.00	500.00	500.00
G8110.412	MISC	1,306.45	1,000.00	1,000.00	1,000.00
G8110.413	LEGAL NOTICES	0.00	500.00	100.00	100.00
TOTAL ADMINISTRATION		52,113.07	54,358.74	54,695.98	55,187.62
SANITARY SEWERS					
G8120.200	EQUIPMENT GIS/ GPS	0.00	1,500.00	1,500.00	1,500.00
G8120.210	SAFETY EQUIPMENT	2,298.08	5,000.00	5,000.00	5,000.00
G8120.211	1 TON PICK UP	0.00	0.00	0.00	0.00
G8120.212	SKID STEER	1,000.00	1,000.00	1,000.00	1,000.00
G8120.215	LOADER	8,633.33	10,000.00	10,000.00	10,000.00
G8120.216	MISC. EQUIPMENT	10,067.38	10,000.00	10,000.00	10,000.00
G8120.400	PUMP STATION REPAIRS	6,558.92	25,000.00	25,000.00	25,000.00
G8120.410	MANHOLE RISERS	2,397.49	4,500.00	4,500.00	4,500.00
G8120.420	REPAIRS	47,851.25	32,000.00	32,000.00	32,000.00
G8120.430	ELEC-PUMP STA	2,839.50	3,200.00	3,200.00	3,200.00
G8120.440	TEL-PUMP STA	247.70	1,000.00	1,200.00	1,200.00
G8120.450	DEGREASER	0.00	2,000.00	2,000.00	2,000.00

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
G8120.460	SEWER INSPECTIONS	3,447.00	5,000.00	5,000.00	5,000.00
	TOTAL SANITARY SEWERS	85,340.65	100,200.00	100,400.00	100,400.00
	SEWAGE TREATMENT PLANT				
G8130.110	CHIEF SEWER PLANT OPERATOR	58,701.95	59,871.20	59,871.00	59,871.00
G8130.111	OVERTIME	23,498.29	29,000.00	29,000.00	29,000.00
G8130.112	UNSCHEDULED OVERTIME	0.00	0.00	0.00	0.00
G8130.120	ASST SEWER PLANT OPERATOR	55,203.48	56,879.80	56,880.00	56,880.00
G8130.130	LABORER	8,904.62	16,000.00	44,449.60	44,449.60
G8130.140	PT LABORER	0.00	0.00	12,000.00	12,000.00
G8130.150	SCHEDULED OVERTIME	0.00	0.00	0.00	0.00
G8130.160	UNSCHEDULED OVERTIME	0.00	0.00	0.00	0.00
G8130.210	GAS CLEANER	0.00	3,200.00	3,200.00	3,200.00
G8130.220	EQPT RENTAL	1,163.00	7,500.00	7,500.00	7,500.00
G8130.410	ELECTRICITY & GAS	76,715.32	85,000.00	85,000.00	85,000.00
G8130.412	TELEPHONE	1,215.48	1,500.00	1,500.00	1,500.00
G8130.414	GLASSWARE	0.00	500.00	500.00	500.00
G8130.415	CHEMICALS	4,776.00	6,500.00	10,000.00	10,000.00
G8130.416	EQUIPMENT	2,441.52	2,000.00	2,000.00	2,000.00
G8130.418	PARTS	103.85	3,000.00	3,000.00	3,000.00
G8130.419	REPAIRS	6,282.26	12,000.00	18,000.00	18,000.00
G8130.420	TANK TESTING	0.00	1,800.00	600.00	600.00
G8130.421	LABORATORY TEST	19,426.64	16,000.00	28,000.00	28,000.00
G8130.422	TRAINING	885.24	2,500.00	2,000.00	2,000.00
G8130.423	OFFICE SUPPLIES	293.03	700.00	700.00	700.00
G8130.424	MISC TOOLS	1,204.17	1,600.00	1,600.00	1,600.00
G8130.425	SLUDGE HAULING	0.00	2,500.00	2,500.00	2,500.00
G8130.426	Alum	7,033.42	17,000.00	12,000.00	12,000.00
G8130.427	DEODERIZER	0.00	500.00	500.00	500.00
G8130.428	DEGREASER	0.00	0.00	0.00	0.00
G8130.429	DIESEL FUEL	1,036.16	4,000.00	4,000.00	4,000.00
G8130.430	LUBRICANTS	474.60	1,000.00	1,000.00	1,000.00
G8130.432	PAINT	0.00	500.00	500.00	500.00
G8130.433	PERMITS	8,125.00	8,200.00	8,500.00	8,500.00
G8130.434	TANK CLEANING	6,460.00	5,000.00	5,000.00	5,000.00
G8130.435	GASOLINE	320.32	1,500.00	1,500.00	1,500.00

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
G8130.436	MISC	11,331.45	12,000.00	12,000.00	12,000.00
G8130.437	SAFETY EQUIPMENT	174.99	3,000.00	3,000.00	3,000.00
G8130.438	COMPOSTING	1,053.73	10,000.00	10,000.00	10,000.00
G8130.439	COMP STORAGE/ WASH BAY	425.14	0.00	0.00	0.00
G8130.440	SEWER CAMERA/JET	0.00	9,570.00	60,000.00	60,000.00
G8130.441	ROOF CONTR BLDN	0.00	0.00	0.00	50,000.00
	TOTAL SEWAGE TREATMENT PLANT	297,249.66	380,321.00	486,300.60	536,300.60
	TOTAL HOME AND COMMUNITY SERVICES	434,703.38	534,879.74	641,396.58	691,888.22
EMPLOYEE BENEFITS					
EMPLOYEE BENEFITS					
G9010.810	RETIREMENT	30,430.70	29,752.48	35,000.00	35,000.00
G9030.800	Social Security	17,744.33	19,000.00	19,000.00	19,000.00
G9030.810	SOCIAL SECURITY	0.00	0.00	0.00	0.00
G9040.810	WORKERS COMPENSATION	5,588.00	3,929.80	4,000.00	4,000.00
G9055.810	DISABILITY INSURANCE (1/3)	149.24	150.00	150.00	150.00
	TOTAL EMPLOYEE BENEFITS	53,912.27	52,832.28	58,150.00	58,150.00
HOSPITALIZATION					
G9060.810	HOSPITALIZATION/ INS.	44,454.37	42,000.00	65,000.00	65,000.00
G9060.811	HRA	3,318.28	8,847.52	3,950.00	3,950.00
G9060.812	EMPLOYEE ASSIST. PROGRAM	74.79	81.00	100.00	100.00
	TOTAL HOSPITALIZATION	47,847.44	50,928.52	69,050.00	69,050.00
	TOTAL EMPLOYEE BENEFITS	101,759.71	103,760.80	127,200.00	127,200.00
DEBT SERVICE					
WWTP REPAIRS INTEREST					
G970.707	WWTP REPAIRS INTEREST	0.00	0.00	0.00	0.00
	TOTAL WWTP REPAIRS INTEREST	0.00	0.00	0.00	0.00
BOND PRINCIPAL					

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
G9710.601	WWTP RENOVATIONS PRINCIPAL 10/2018	17,455.00	13,000.00	13,000.00	14,564.00
G9710.602	WWTP HEATING PRINCIPAL 10/2016	26,000.00	0.00	0.00	0.00
G9710.603	WATER METER PRINCIPAL 5/2022	25,000.00	27,500.00	27,500.00	27,500.00
G9710.604	LAND PRINCIPAL 5/2038	5,000.00	5,000.00	5,000.00	5,000.00
G9710.605	WWTP CP w/ COMPOSTING EXP 11/19/45	384,400.00	384,400.00	384,400.00	384,400.00
G9710.606	WWTP STUDY PRINCIPAL	0.00	0.00	0.00	0.00
G9710.607	WWTP REPAIRS PRINCIPAL	0.00	0.00	0.00	0.00
G9710.701	WWTP RENOVATIONS INTEREST	725.83	421.28	421.00	145.64
G9710.702	WWTP HEATING INTEREST	260.00	0.00	0.00	0.00
G9710.703	WATER METER INTEREST	5,100.00	4,350.00	4,350.00	3,525.00
G9710.704	LAND INTEREST	4,672.50	4,522.50	4,523.00	4,372.50
G9710.706	WWTP STUDY INTEREST	0.00	0.00	0.00	0.00
G9710.707	WWTP Repairs Interest	0.00	0.00	0.00	0.00
G9710.710	BOND INTEREST	0.00	0.00	0.00	0.00
TOTAL BOND PRINCIPAL		468,613.33	439,193.78	439,194.00	439,507.14
B.A.N.					
G9730.601	WWTP CP w/ COMPOSTING PRINCIPAL	0.00	0.00	0.00	0.00
G9730.602	WWTP STUDY PRINCIPAL	0.00	0.00	0.00	0.00
G9730.603	WWTP REPAIRS PRINCIPAL	0.00	0.00	0.00	0.00
G9730.610	PRINCIPAL	0.00	0.00	0.00	0.00
G9730.702	WWTP STUDY INTEREST	0.00	0.00	0.00	0.00
G9730.703	WWTP REPAIRS INTEREST	0.00	0.00	0.00	0.00
G9730.710	INTEREST	0.00	0.00	0.00	0.00
TOTAL B.A.N.		0.00	0.00	0.00	0.00
INSTALLMENT PURCHASES					
G9785.410	MINI EXCAVATOR 8/2018	3,334.57	3,335.00	3,335.00	3,335.00
G9785.420	D5K DOZER (EXP ?)	0.00	0.00	0.00	0.00
TOTAL INSTALLMENT PURCHASES		3,334.57	3,335.00	3,335.00	3,335.00
TOTAL DEBT SERVICE		471,947.90	442,528.78	442,529.00	442,842.14

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 1-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
INTERFUND TRANSFERS					
TRANSFERS TO OTHER FUNDS					
G9901.9	TRANSFERS TO OTHER FUNDS	0.00	0.00	0.00	0.00
	TOTAL TRANSFERS TO OTHER FUNDS	0.00	0.00	0.00	0.00
	TOTAL INTERFUND TRANSFERS	0.00	0.00	0.00	0.00
	TOTAL APPROPRIATIONS	1,097,610.07	1,280,000.00	1,298,277.00	1,340,000.00

VILLAGE OF DANSVILLE
FISCAL BUDGET SEWER FUND
FOR 2018-2019

(ADOPTED APRIL 16, 2018)

Schedule 2-G		Expenditures /Revenues 2016-2017	Modified Budget 12/31/2017	Recommended Budget 2018-2019	Adopted Budget 2018-2019
ESTIMATED REVENUES					
	DEPARTMENTAL INCOME				
G2120	SEWER RENTS	1,200,168.18	1,248,000.00	1,248,000.00	1,288,000.00
G2122	SEWER CHARGES	53,868.89	20,000.00	20,000.00	40,000.00
G2128	PENALTIES	28,865.86	12,000.00	12,000.00	12,000.00
G2140	METERED SEWER SALES	0.00	0.00	0.00	0.00
	TOTAL DEPARTMENTAL INCOME	1,282,902.93	1,280,000.00	1,280,000.00	1,340,000.00
G2401	INTEREST	0.00	0.00	0.00	0.00
G2590	PERMITS	0.00	0.00	0.00	0.00
	SALE OF PROPERTY & COMPENSATIO				
G2650	Sale of Scrap	0.00	0.00	0.00	0.00
G2655	MINOR SALES	0.00	0.00	0.00	0.00
G2680	INS. RECOVERIES	121.55	0.00	0.00	0.00
	TOTAL SALE OF PROPERTY &	121.55	0.00	0.00	0.00
G2701	Refund of Prior Years Expenditure	0.00	0.00	0.00	0.00
G2770	UNCLASSIFIED	0.00	0.00	0.00	0.00
G5031	INTERFUND TRANSFERS	0.00	0.00	0.00	0.00
G5050	INTERFUND TRANSFER FOR DEBIT SERVICE	0.00	0.00	0.00	0.00
					1,340,000.00
TOTAL ESTIMATED REVENUES		1,283,024.48	1,280,000.00	1,280,000.00	1,340,000.00
APPROPRIATED FUND BALANCE		-185,414.41	0.00	18,277.00	0.00
TOTAL REVENUES & OTHER SOURCES		1,097,610.07	1,280,000.00	1,298,277.00	1,340,000.00

NYS - Real Property System
County of Livingston
Town of N. Dansville - 2438
Village of Dansville
SWIS Code - 243801

Assessor's Report - 2017 - Prior Year File
S495 Exemption Impact Report
Village Report

RPS221/V04/L001
Date/Time - 1/30/2018 10:14:31
Total Assessed Value 240,167,243
Uniform Percentage 100.00

Equalized Total Assessed Value 240,167,243

Exemption Code	Exemption Name	Statutory Authority	Number of Exemptions	Total Equalized Value of Exemptions	Percent of Value Exempted
12100	NYS - GENERALLY	RPTL 404(1)	6	3,147,400	1.31
13100	CO - GENERALLY	RPTL 406(1)	1	65,500	0.03
13500	TOWN - GENERALLY	RPTL 406(1)	8	2,628,500	1.09
13650	VG - GENERALLY	RPTL 406(1)	20	3,632,800	1.51
13740	VG O/S LIMITS - SEWER OR WATER	RPTL 406(3)	1	8,661,752	3.61
13800	SCHOOL DISTRICT	RPTL 408	3	22,694,800	9.45
14110	USA - SPECIFIED USES	STATE L 54	1	346,500	0.14
18020	MUNICIPAL INDUSTRIAL DEV AGENC	RPTL 412-a	2	235,900	0.10
21600	RES OF CLERGY - RELIG CORP OWN	RPTL 462	2	324,800	0.14
25110	NONPROF CORP - RELIG(CONST PRO	RPTL 420-a	14	3,062,200	1.28
25120	NONPROF CORP - EDUCL(CONST PRO	RPTL 420-a	3	244,400	0.10
25130	NONPROF CORP - CHAR (CONST PRO	RPTL 420-a	1	270,900	0.11
25230	NONPROF CORP - MORAL/MENTAL IM	RPTL 420-a	1	130,000	0.05
25300	NONPROF CORP - SPECIFIED USES	RPTL 420-b	3	981,900	0.41
25600	NONPROFIT HEALTH MAINTENANCE O	RPTL 486-a	4	1,591,500	0.66
26100	VETERANS ORGANIZATION	RPTL 452	4	393,100	0.16
26250	HISTORICAL SOCIETY	RPTL 444	1	164,400	0.07
26400	INC VOLUNTEER FIRE CO OR DEPT	RPTL 464(2)	3	1,040,500	0.43
29300	HOSP CORP FOR BENEFIT OF CITY	RPTL 438	1	14,657,800	6.10
41101	VETS EX BASED ON ELIGIBLE FUND	RPTL 458(1)	6	21,720	0.01
41111	VET PRO RATA: FULL VALUE ASSMT	RPTL 458(5)	33	1,461,515	0.61
41121	ALT VET EX-WAR PERIOD-NON-COMB	RPTL 458-a	67	923,280	0.38
41131	ALT VET EX-WAR PERIOD-COMBAT	RPTL 458-a	80	1,744,850	0.73
41141	ALT VET EX-WAR PERIOD-DISABILI	RPTL 458-a	31	727,878	0.30
41161	COLD WAR VETERANS (15%)	RPTL 458-b	15	166,530	0.07
41171	COLD WAR VETERANS (DISABLED)	RPTL 458-b	1	39,950	0.02
41400	CLERGY	RPTL 460	4	6,000	0.00
41720	AGRICULTURAL DISTRICT	AG-MKTS L 305	2	156,160	0.07
41800	PERSONS AGE 65 OR OVER	RPTL 467	64	1,679,778	0.70
41801	PERSONS AGE 65 OR OVER	RPTL 467	2	27,178	0.01
41930	DISABILITIES AND LIMITED INCOM	RPTL 459-c	9	255,265	0.11

NYS - Real Property System
County of Livingston
Town of N. Dansville - 2438
Village of Dansville
SWIS Code - 243801

Assessor's Report - 2017 - Prior Year File
S495 Exemption Impact Report
Village Report

RPS221/V04/L001
Date/Time - 1/30/2018 10:14:31

Total Assessed Value 240,167,243
Uniform Percentage 100.00

Equalized Total Assessed Value 240,167,243

Exemption Code	Exemption Name	Statutory Authority	Number of Exemptions	Total Equalized Value of Exemptions	Percent of Value Exempted
44490	SYSTEM CODE	STATUTORY AUTH NOT DEFINED	8	439,300	0.18
46450	INC ASSN OF VOLUNTEER FIREMEN	RPTL 464(1)	1	20,000	0.01
47100	Mass Telecomm Ceiling	RPTL S499-qqqq	1	8,406	0.00
47200	RAILROAD - PARTIALLY EXEMPT	RPTL 489-d&dd	1	335	0.00
47610	BUSINESS INVESTMENT PROPERTY P	RPTL 485-b	6	839,583	0.35
50000	SYSTEM CODE	STATUTORY AUTH NOT DEFINED	2	395,000	0.16
Total Exemptions Exclusive of System Exemptions:			410	72,792,380	30.31
Total System Exemptions:			2	395,000	0.16
Totals:			412	73,187,380	30.47

Values have been equalized using the Uniform Percentage of Value. The Exempt amounts do not take into consideration, payments in lieu of taxes or other payments for municipal services.

Amount, if any, attributable to payments in lieu of taxes: _____

NYS - Real Property System
County of Livingston
Town of Sparta - 2446
Village of Dansville
SWIS Code - 244601

Assessor's Report - 2017 - Prior Year File
S495 Exemption Impact Report
Village Report

RPS221/V04/L001
Date/Time - 1/30/2018 10:14:56

Total Assessed Value 247,500
Uniform Percentage 100.00

Equalized Total Assessed Value 247,500

Exemption Code	Exemption Name	Statutory Authority	Number of Exemptions	Total Equalized Value of Exemptions	Percent of Value Exempted
18020	MUNICIPAL INDUSTRIAL DEV AGENC	RPTL 412-a	1	247,500	100.00
Total Exemptions Exclusive of System Exemptions:			1	247,500	100.00
Total System Exemptions:			0	0	0.00
Totals:			1	247,500	100.00

Values have been equalized using the Uniform Percentage of Value. The Exempt amounts do not take into consideration, payments in lieu of taxes or other payments for municipal services.

Amount, if any, attributable to payments in lieu of taxes: _____