

**MAP, PLAN AND REPORT
(ENGINEERING REPORT)**

FOR THE

**TOWN OF BERGEN
WATER IMPROVEMENT BENEFIT AREA NO. 1**

GENESEE COUNTY, NEW YORK

DECEMBER 4, 2018

REVISED FEBRUARY 5, 2019

UPDATED MAY 17, 2019



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I. GENERAL

The purpose of this project is to provide a safe and reliable potable water supply and fire protection for residents of the proposed Town of Bergen Water Improvement Benefit Area No. 1 (**hereinafter referred to as the "Project, Project Area or WIBA No. 1"**).

The Town of Bergen is located in Genesee County, as shown in **Figure 1**.

The proposed improvements consist of the installation of approximately 163,720 linear feet (LF) of 8", 10" and 12" diameter water main, valves, hydrants, and appurtenances along various roads in the Town of Bergen.

The proposed Project will connect to existing water mains in the Town of Bergen.

The Boundary Map and Description for the Project is provided in **Appendix A**.

II. PROJECT PLANNING AREA

A. Project Location

The Project Area is located along the following roads within the Town of Bergen:

- **NYS Route 33 (Clinton Street Road)** between the end of the existing water main (west of the Bergen WST) and the westerly Town line.
- **Jerrico Road** between NYS Route 33 and NYS Routes 262 (Town Line Road).
- **Dublin Road** between NYS Route 33 and Byron WD #8 @ CSX Railroad Tracks.
- **West Bergen Road** between north of the CSX Railroad Tracks and the south Town line.
- **Lyman Road** between NYS Route 33 and the west Town line.
- **Gilbert Road** between NYS Route 33 and Old State Road.
- **Old State Road** between West Bergen Road and the western Town line
- **Connelly Road** between Maple Avenue and the southern Town line.
- **West Sweden Road** between the Old Railroad Bed and Reed Road.
- **Creamery Road** between NYS Route 19 and West Sweden Road.
- **Sackett Road** between NYS Route 19 and West Sweden Road.

- **Cook Road** between West Sweden Road and Warboys Road.
- **Warboys Road** between West Sweden Road and the westerly Town line.
- **Sautell Road** between Warboys Road and North Bergen Road.
- **North Bergen Road** between West Sweden Road and the westerly Town line.
- **Reed Road** between West Sweden Road and the Sweden Town Line.
- **Evans Road** between Jerrico Road and last house to the west.
- **Swamp Road** between the End of Existing WD No. 2 (near 7569 Swamp Road) and the Byron Town Line.
- **Pocock Road** between Swamp Road and NYS Route 262.
- **Maple Avenue** between NYS Route 33 and NYS Route 19.
- **North Lake Road** between the end of Peachy Road WD and the north Town line.
- **Peachey Road** between the end of Peachy Road WD and east Town line.
- **NYS Route 33** between the end of existing water main to serve the shooting range.

Refer to **Figure 2** for a Map of the Proposed Project Location. Photographs of the Project Area are included in **Appendix B**.

B. Environmental Resources Present

The area of the proposed project is generally farmland and residential areas. There are several stream crossings within the project area.

There are several New York State and Federal (**Appendix C**) designated wetlands and streams that will need to be crossed, again within the highway right-of-way, in areas already disturbed by the highway and existing utilities. Measures will be incorporated into the design to mitigate adverse impacts. The related permits and environmental protection measures will be incorporated into the project.

The project is partially located within Genesee County's Agricultural District as shown in **Appendix D**. However, the majority of work will be located within the highway right-of-way and will have no adverse impact on the agricultural properties.

As part of the project planning process, a complete environmental review will take place including the State Environmental Quality Review (SEQR) Act and the National Environmental Policy Act (NEPA).

Care will be taken to preserve the existing cemeteries on Maple Street and Creamery Road. The water mains will be located on the opposite side of each road away from the cemeteries. This should eliminate any concern from the State Historic Preservation Office (SHPO) relating to any potential impact to the cemeteries.

C. Population Trends and Parcel Information

The list of parcels to be included in the Project are provided in **Appendix E**. The Project including the following:

<u>Parcels</u>	<u># of Parcels</u>	<u># of EDU's</u>	<u>Notes</u>
Single-Family Dwellings	320	320	
Multi-Family Dwellings, Non-Residential	32	68	1
Vacant, Buildable Lots	92	47	
Ag. Use, In Ag. District, No water hookup	68	0	
Non-Agricultural, Not Buildable	<u>1</u>	<u>0</u>	2
Totals	513	435	
Number of EDU's		388	3
Number of Hookups	352		4

Notes:

1. Includes multiple residences on one lot as well as farms, businesses and institutions that will use water.
2. Land owned by Bergen Swamp Society for ecological preservation.
3. Excludes vacant parcels.
4. One hookup per parcel with single-family dwellings, multiple residences, businesses, farms and institutions.

- Estimated Existing Population = 890
- Estimated Future Population (Assume 10% growth/20 years) = 979

Refer to Form A: Proposed Hook-up Sheet on the following page.

D. Community Engagement

The Town of Bergen has been approached by numerous residents in the Project Area over the past several years to be supplied with public water. There have been informal petitions circulated by the residents to request the Town evaluate the feasibility of providing public water to their area.

The Town of Bergen has provided the public with information in the past associated with the cost of water and the feasibility of obtaining loan and grant money from various funding agencies.

A Public Information Meeting was held on March 27, 2018 to present the initial project concept and costs. Since that meeting changes and modifications have occurred that are now incorporated into this PER.

As part of the Water Improvement Benefit Area formation process, a Legal Public Hearing will be held identifying the Project scope and costs.

Hook up Sheet (Form A)

III. EXISTING FACILITIES

A. General and Location Map of Existing Facilities

There are no existing facilities in the Project Area.

The Town of Bergen owns the distribution system and the Monroe County Water Authority (MCWA) operates the system in the existing water districts under a Retail Lease Agreement.

The Project will receive water supply from the MCWA. The MCWA owns and operates a 140 MGD Water Treatment Facility on the shores of Lake Ontario, with sufficient capacity to serve this Project.

The Existing Water System Facilities within the Town of Bergen are shown on **Figure 3**.

B. History

The Town of Bergen Water District No. 1 was constructed in the 1980's. Water District No. 2 was constructed around 2001 and consisted of various sized ductile iron pipe. The Peachy Road Water District (No. 3) was constructed in 2011 and consisted of 8" and 10" diameter PVC Water Main. As part of the Mill Seat Landfill construction, various sized water mains were installed within portions of Bergen in the early 1990's.

C. Condition of Existing Facilities

The condition of the existing facilities is excellent and routinely maintained by the MCWA as part of the Retail Lease Agreement.

D. Financial Status of Existing Facilities

The financial status of the existing facilities does not relate specifically to the creation of this Water District, as each district is responsible for their own debt service charges.

The cost for routine operation and maintenance are included in the normal water rate established by the MCWA.

The Town of Bergen is considering the use of PVC pipe for the installation of the water mains. In accordance with the MCWA Retail Lease Agreement, the Town of Bergen Water Improvement Benefit Area No. 1 will be responsible for the costs associated with repairs/replacement of the PVC water main, since it is not in accordance with the MCWA current standards. A repair/reserve account will be established by the Town of Bergen to fund future repairs as necessary.

E. Water/Energy Audits

Not applicable to this report.

IV. NEED FOR PROJECT

A. Health and Safety

The residents in the Project Area typically experience the following problems:

1. **Insufficient quantity** of water is available for some of the residential wells. Some residents must conserve water by: alternating shower days, alternating laundry days or not washing clothes in their residences at all.
2. **Poor water quality** is predominant in the existing well supplies. The water quality requires some residents to either boil water for consumption or purchase bottled water for cooking and consumption.
3. **High cost** to operate and maintain existing well supplies. Several residents must purchase chemicals for softening and treatment systems, and must frequently replace their plumbing systems due to corrosion of their fixtures. Several residents currently pay over \$500 per year to operate and maintain their water system, which provides them with poor quality water and insufficient quantities at times.
4. **Fire Protection.** Currently, there is no water system to provide fire protection in the proposed Project Area. Likewise, there are no significant bodies of water in the vicinity that provide an adequate supply of water for fire protection.

The completion of the proposed project would address all of these issues for the residents of the proposed Water District.

B. System Operation and Maintenance

Dead end water mains and rural water mains require periodic flushing and chlorine residual testing, which are typical of a rural water districts because of low population density and low water usage. Currently, the MCWA maintain chlorine residual throughout rural water mains by utilizing permanent programmable automatic flushing units, portable programmable automatic flushing units and manual flushing. The MCWA shall routinely flush and test chlorine residual of the proposed dead-end mains and rural water mains, as necessary.

In an effort to reduce the number of man-hours spent flushing water mains, automatic flushing hydrants will be installed on the water main dead ends and rural water mains. The installation of the automatic flushing hydrants will eliminate the need for the water operator to manually flush the system by opening and closing fire hydrants.

Future expansion of the water mains to areas of greater population may reduce the need for periodic flushing of the water mains.

C. Reasonable Growth

The ability to serve a growing population in the region has been addressed as part of the selection of water main size. The water mains for the Project Area have been sized to meet fire flows, which far exceed residential demand.

Average daily demand for the Project Area is estimated to be 57,850 gallons per day (40 gpm). Peak daily demand is estimated at 231,400 gallons per day (161 gpm), assuming a peaking factor of 4.

Insurance Services Office (ISO) requires a minimum fire flow of 500 gpm at 20 psi residual pressure for this area. The MCWA generally requires minimum fire flow of 750 gpm at 20 psi residual pressure.

Fire flows in the Project Area will exceed the ISO, NYS Department of Health, and MCWA requirements in all areas. As shown on **Table 1**, fire flows will be in excess of 750 gpm @ 20 psi in all locations.

Future residential growth within the District will not be limited as a result of available fire flows. This project is utilizing 8" diameter and above water mains which is generally the minimum size water mains used for rural areas providing fire flow. This Project supports the necessary fire flow, and the current and future domestic demands, without putting an undue burden on the property owners within the Water Improvement Benefit Area.

V. ALTERNATIVES CONSIDERED

The only alternative to address the problems of the residents of the Project Area is to install a Public Water System. No other alternatives were considered.

A. Water Supply Alternatives

There are no feasible water supply alternatives to consider such as construction of wells, water treatment plant, etc. Construction of a water treatment plant to supply the needs of the Town of Bergen solely would not be feasible from a financial standpoint. Furthermore, the Town of Bergen does not have any operational staff that would be licensed to operate a water treatment plant and would have to likely hire from the outside for operation staff or train existing staff. In addition, they would have to increase their town payroll and benefits to treat their own water. Therefore, no further investigation or consideration of a surface water supply is warranted at this time.

It is likely that a well supply would not be feasible since the majority of the private wells within the Town of Bergen have experienced quality and quantity problems which have led to public water being installed. Therefore, no further investigation or consideration of well supply is warranted at this time.

Given that the Town of Bergen water system is operated on a Retail Lease Agreement with the MCWA, there are no water supply alternatives to consider.

B. Pipe Material Alternatives

The pipe material alternatives to consider include PVC pipe, ductile iron pipe (DIP) and high-density polyethylene pipe (HDPE). Ductile iron pipe is costlier to purchase and install than using PVC pipe. Using HDPE for water distribution systems is a feasible alternative for crossing highways, creeks and other obstacles that require horizontal directional drilling (HDD). The MCWA does not allow the use of HDPE pipe in areas where water services will be installed or in areas where gas stations have been located or spills have occurred. Approval of the use of HDPE pipe is on a case-by-

case basis by the MCWA. We recommend using a combination of PVC and HDPE pipe for the water distribution system.

At the time of preparation of this PER, the cost of 8" DIP water main (Class 51) was \$20.50/LF, the cost of 12" DIP water main (Class 51) was \$32.30/LF, the cost of 8" PVC water main (DR 18) was \$8.40/LF, the cost of 12" PVC water main (DR 18) was \$17.60/LF and the cost of 8" HDPE (DR 9) was \$15.00/LF.

For this application, we anticipate the life span and operation and maintenance costs of the PVC pipe will be similar to DIP. With a cost of DIP more than 2 times that of PVC pipe, and the extremely limited budget, we recommend the use of PVC pipe for the majority of the areas.

The Town of Bergen Water Improvement Benefit Area No. 1 will be responsible for the costs associated with repairs/replacement of the PVC water main, since it is not in accordance with the MCWA current standards. A repair/reserve account will be established by the Town of Bergen to fund future repairs as necessary.

C. Breaking the Project into Phases Alternatives

The potential exists to break the project into phases if the USDA Rural Development does not have the ability to provide sufficient grant funds to help defray the cost of the Project all at one time.

Once the initial review has been completed by USDA Rural Development and a Preliminary Funding Estimate (PRF) has been provided, consideration could be given to breaking the Project into phases if necessary.

D. Sustainability Consideration Alternatives

The water main size will be based upon the needed fire flow and anticipated domestic water supply needs, therefore no alternative pipe size would be appropriate to consider. No other Sustainability measures are applicable to this Project.

VI. PROPOSED PROJECT (RECOMMENDED ALTERNATIVE)

A. Preliminary Project Design

1. Water Supply

The MCWA provides water and operates the Town of Bergen under a Retail Lease Agreement and provides all operation and maintenance of the system.

The estimated water usage for the Project is 57,850 gallons per day (40 gpm), assuming an average usage of 65 gallons per day per person. The future usage could reach 63,635 gallons per day (44 gpm) assuming a 10% growth over the next 20 years.

The MCWA Water Treatment Plant has excess capacity to meet the needs of Project.

2. Treatment

The MCWA will treat the water supplied to the Project Area. The MCWA Treatment Facility can produce 140 MGD of potable water. The MCWA Treatment Facility currently produces approximately 70 MGD of potable water and has excess capacity.

3. Storage

The proposed Water Improvement Benefit Area will provide no additional storage. The existing water system operated by the MCWA will be capable of supplying the anticipated water demands and storage requirements. The nearest water storage tank is a 2.0 MG steel ground storage tank located on NYS Route 33, just west of NYS Route 19.

4. Pumping Stations

No additional pumping is needed to serve the proposed project.

5. Distribution Layout

The proposed areas of service include:

- **NYS Route 33 (Clinton Street Road):** The proposed improvements along **NYS Route 33** consist of installing approximately 16,320 linear feet of 12" water main, valves, hydrants, services and appurtenances between the end of the existing water main (just west of 7880 NYS Route 33) and the last house near the western town line.

The proposed water main is anticipated to be located on the south side of the road, generally within the Highway right-of-way.

- **Jerrico Road:** The proposed improvements along **Jerrico Road** consist of installing approximately 5,250 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 33 and NYS Routes 262.

The proposed water main is anticipated to be located on the west side of the Road, generally within the Highway right-of-way.

- **Dublin Road:** The proposed improvements along **Dublin Road** consist of installing approximately 12,350 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 33 and Byron WD #8 @ CSX Railroad Tracks.

The proposed water main is anticipated to be located on the north side of the Road between NYS Route 33 and West Bergen Road; and on the south side of Dublin Road between West Bergen Road and the connection to the Town of Byron Watermain, generally within the Highway right-of-way.

- **West Bergen Road:** The proposed improvements along **West Bergen Road** consist of installing approximately 11,000 linear feet of 8" water main, valves, hydrants, services and appurtenances between north of the CSX Railroad Tracks and the south Town line.

The proposed water main is anticipated to be located on the west side of the Road, generally within the Highway right-of-way.

- **Lyman Road:** The proposed improvements along **Lyman Road** consist of installing approximately 3,700 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 33 and the west Town line.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Gilbert Road:** The proposed improvements along **Gilbert Road** consist of installing approximately 3,400 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 33 and Old State Road.

The proposed water main is anticipated to be located on the north side of the Road, generally within the Highway right-of-way.

- **Old State Road:** The proposed improvements along **Old State Road** consist of installing approximately 2,900 linear feet of 8" water main, valves, hydrants, services and appurtenances between West Bergen Road and the western Town line.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Connelly Road:** The proposed improvements along **Connelly Road** consist of installing approximately 2,700 linear feet of 10" water main between Maple Avenue and the southern Town line.

The proposed water main is anticipated to be located on the west side of Connelly Road, generally within the Highway right-of-way.

- **West Sweden Road:** The proposed improvements along **West Sweden Road** consist of installing approximately 15,950 linear feet of 8" water main, valves, hydrants, services and appurtenances between the old railroad bed and Reed Road.

The proposed water main is anticipated to be located on the west side of the Road, generally within the Highway right-of-way.

- **Creamery Road:** The proposed improvements along **Creamery Road** consist of installing approximately 12,900 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 19 and West Sweden Road.

The proposed water main is anticipated to be located on the north side of the Road, generally within the Highway right-of-way.

- **Sackett Road:** The proposed improvements along **Sackett Road** consist of installing approximately 14,100 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 19 and West Sweden Road.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Cook Road:** The proposed improvements along **Cook Road** consist of installing approximately 5,300 linear feet of 8" water main, valves, hydrants, services and appurtenances between West Sweden Road and Warboys Road.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Warboys Road:** The proposed improvements along **Warboys Road** consist of installing approximately 8,230 linear feet of 8" water main, valves, hydrants, services and appurtenances between West Sweden Road and the westerly Town line.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Sautell Road:** The proposed improvements along **Sautell Road** consist of installing approximately 2,900 linear feet of 8" water main, valves, hydrants, services and appurtenances between Warboys Road and North Bergen Road.

The proposed water main is anticipated to be located on the west side of the Road, generally within the Highway right-of-way.

- **North Bergen Road:** The proposed improvements along **North Bergen Road** consist of installing approximately 8,700 linear feet of 8" water main, valves, hydrants, services and appurtenances between West Sweden Road and the westerly Town line.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Reed Road:** The proposed improvements along **Reed Road** consist of installing approximately 7,100 linear feet of 8" water main, valves, hydrants, services and appurtenances between West Sweden Road and the Sweden Town Line.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Evans Road:** The proposed improvements along **Evans Road** consist of installing approximately 1,750 linear feet of 8" water main, valves, hydrants, services and appurtenances between Jerrico Road and last house to the west.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Swamp Road:** The proposed improvements along **Swamp Road** consist of installing approximately 10,100 linear feet of 8" water main, valves, hydrants, services and appurtenances between the End of Existing WD No. 2 (near 7569 Swamp Road) and the Byron Town Line.

The proposed water main is anticipated to be located on the north side of the Road from 7569 Swamp Road to Pocock Road; and on the south side from Pocock Road to the Byron Town Line, generally within the Highway right-of-way.

- **Pocock Road:** The proposed improvements along **Pocock Road** consist of installing approximately 3,700 linear feet of 8" water main, valves, hydrants, services and appurtenances between Swamp Road and NYS Route 262.

The proposed water main is anticipated to be located on the west side of the Road, generally within the Highway right-of-way.

- **Maple Avenue:** The proposed improvements along **Maple Avenue** consist of installing approximately 4,400 linear feet of 10" water main, valves, hydrants, services and appurtenances between Connelly Road and west of NYS Route 19 at the termination of the existing water main.

The proposed water main is anticipated to be located on the north side of the Road, generally within the Highway right-of-way.

It also consists of installing approximately 4,600 linear feet of 8" water main, valves, hydrants, services and appurtenances between NYS Route 33 and Connelly Road.

The proposed water main is anticipated to be located on the west side of Maple Avenue, generally within the Highway right-of-way.

- **North Lake Road:** The proposed improvements along **North Lake Road** consist of installing approximately 2,700 linear feet of 8" water main, valves, hydrants, services and appurtenances between the end of Peachy Road WD and the north Town line.

The proposed water main is anticipated to be located on the west side of the Road, generally within the Highway right-of-way.

- **Peachey Road:** The proposed improvements along **Peachey Road** consist of installing approximately 2,170 linear feet of 8" water main, valves, hydrants, services and appurtenances between the end of Peachy Road WD and east Town line.

The proposed water main is anticipated to be located on the south side of the Road, generally within the Highway right-of-way.

- **Buffalo Road:** The proposed improvements along **Buffalo Road** consist of installing approximately 500 linear feet of 8" water main, valves, hydrants, services and appurtenances between the end of existing water main and the shooting range.

The proposed water main is anticipated to be located on the east side of the Road, generally within the Highway right-of-way.

- **School Road:** The proposed improvements along **School Road** consist of installing approximately 1,000 linear feet of 8" water main, valves, hydrants, services and appurtenances between Old State Road and the Leroy Town line.

The proposed water main is anticipated to be located on the east side of the Road, generally within the Highway right-of-way.

6. Hydraulic Calculations

A computer model was used to estimate the hydraulic conditions in the proposed Water District. The detailed Hydraulic Calculations are included in **Appendix F. Table 1** Proposed Hydraulic Conditions summarizes the estimated static and residual pressures and fire flow conditions throughout the proposed water district.

TABLE 1
Proposed Hydraulic Conditions

<u>Location</u>	<u>Junction</u>	<u>Static Pres.(psi)</u>	<u>Fire Flow (GPM)</u>	<u>Residual Pres. (psi)</u>
West Sweden Road @ Reed Road	J-75	74	984	20
Warboys Road @ Byron Town Line	J-81	84	1,012	20
North Bergen Road @ Byron Town Line	J-83	74	898	20
Evans Road @ last house	J-86	61	964	20
Peachy Road @ Riga Town Line	J-87	95	1,030	20
North Lake Road @ Sweden Town Line	J-88	82	1,071	20
Swamp Road @ Byron Town Line	J-90	58	867	20
NYS Route 33 @ Byron Town Line	J-98	43	1,390	20
West Bergen Road @ Leroy Town Line	J-101	46	855	20
Old State Road @ School Road	J-102	43	873	20
Lyman Road @ Byron Town Line	J-105	43	847	20
Connelly Road @ Leroy Town Line	J-107	36	881	20
Dublin Road @ Byron Town Line	J-109	48	969	20
Dublin Road @ West Sweden Road	J-110	52	3,423	20

7. Easements

The water main will generally be located within the highway right-of-way. On rare occasions, the water main, fire hydrants or appurtenances may need to be installed on private easements. In those cases, the Town Engineer will prepare a permanent easement map and work with the MCWA Staff who will prepare the easement and description for execution by the property owner. In addition, temporary easements may be necessary for installation of the improvements.

B. Project Schedule

The anticipated Project Schedule will be determined once the financing package has been received by the Town of Bergen. The general steps to be taken include:

- Submit the PFE Application to USDA RD for their consideration
- Receive PFE from USDA RD
- Prepare the USDA RD Full Application for funding
- Receive the Letter of Conditions from USDA RD
- Finalize the Map, Plan and Report based upon USDA RD LOC
- Town Board accepts Map, Plan and Report
- Town Board holds Legal Public Hearing
- Submission to the NYS Comptroller and approval
- Design Phase of Improvements
- Submission to MCWA for review of plans prior to submission to DOH
- Submission to agencies for approvals & permits
- Bidding Phase, Construction Phase and Final Restoration
- Completion and Project Closeout

C. Permits, Approvals and Easement Requirements

The Project will require permits and approvals from the following agencies:

- Execute a revised Agreement with MCWA for the Project
- MCWA Approval of Plans prior to submission to agencies
- Town of Bergen Highway Department Approval
- Genesee County Highway Department Approval
- NYS Department of Transportation Highway Work Permit
- Genesee County Health Department Approval
- US Army Corp of Engineers Nationwide Permit
- USDA Rural Development Approval
- NYS Department of Environmental Conservation
 - Stormwater Pollution Prevention Plan (SWPPP)
 - Water Quality Certification
 - Stream Disturbance

D. Sustainability Considerations

Residents are encouraged to conserve water by installing low flow plumbing devices. The MCWA has standardized various materials such as fire hydrants, valves, meters, etc. which limits the necessity for keeping a large inventory of various different manufacturers products.

E. Preliminary Cost Estimate (Engineers Opinion of Probable Costs)

The summary of estimated for the proposed project are as follows:

a.	Construction	\$	6,998,790
b.	Contingency	\$	699,879
c.	Engineering	\$	839,854
d.	Legal and Administrative	\$	419,477
	Total Project Costs	\$	8,958,000
	Less Anticipated USDA RD Grant	\$	(3,058,000)
	Net Local Share	\$	5,900,000

Total Number of EDUs in Proposed WD 435

Annual debt service with Grant (2.5% for 38 years) \$ 242,313.70

Annual debt service per parcel with Grant \$ 557.04

Refer to **Table 2** at the end of this report for a detailed Cost Estimate of the Proposed Project.

Costs are based upon receipt of a Grant and a USDA RD loan at 2.5% for 38-years. The Town has completed an income survey and is in the poverty level.

We have included mobilization/demobilization, lawn restoration, fittings, bonds, insurance, and miscellaneous items in the cost estimate. Based upon our experience and similar project recently bid, we feel that 10% contingency is sufficient, given that the project will likely be constructed in the 2019-2020 construction season.

Included in **Appendix E** is the list of properties included in the Project. The Project Budget (Form E) is included in **Appendix G**.

F. Annual Operating Budget

1. Income.

The residents of the Water Improvement Benefit Area will purchase water from the MCWA at a rate of \$3.26 per 1,000 gallons plus \$0.23 per day meter fee. They will also pay \$1.20 per 1,000 gallons for the Genesee County Water System debt service. These costs are subject to change annually.

2. Annual Operation and Maintenance (O & M) Cost

The MCWA will be responsible for the Operation and Maintenance (O&M) of the proposed water system improvements. The cost for O & M is included in the water rate charged to each user of the system.

Income from the residential water usage will be used to cover the cost of water and associated operation and maintenance of the system. The water system is operated on a retail lease agreement with the MCWA.

As stated previously, costs associated with the town using materials that are not included in the current MCWA standards will be the responsibility of the Water Improvement Benefit Area.

The Average Water User (Household) which uses 60,000 gallons of water per year (15,000 gallons per quarter) will receive an invoice for water use as follows:

60,000 gallons @ \$3.26/1,000 gallons	=	\$ 195.60
Meter fee @ \$0.22 per day	=	\$ 80.30
Genesee Co. Debt service @ \$1.20/1,000 gallons	=	\$ 72.00
Repair Reserve Fee @ \$5.00/Quarter	=	<u>\$ 20.00</u>
Total Cost of Water per Year	=	\$ 367.90

**Total AVG. Cost of Water per Quarter = \$ 367.90 /4 Quarters/Year
= \$ 91.98/Quarter**

The Total Annual Cost/Revenue for the Project is summarized as follows:

Water Purchase @ \$195.60/Hse x 388 structures/hookups	=	\$ 75,892.80
Meter fee @ \$80.30/structure x 352 structures	=	\$ 28,265.60
<u>Genesee Co. Debt service @ \$72/EDU x 388 EDU's</u>	=	<u>\$ 27,936.00</u>
Repair Reserve Fee @ \$20/year/hookup x 352 hookups	=	<u>\$ 7,040.00</u>
Total Annual Cost/Revenue	=	\$139,134.40

3. Debt repayments

The debt service on initial project costs will be based on equivalent dwelling units (EDU's). The Town of Bergen intends to apply for a grant and loan from the USDA Rural Development (USDA RD) agency to help decrease the project debt service costs.

4. Short Lived Assets and Debt Service Reserves

As this project is a water distribution project only, with no water treatment, booster pump stations or water storage tanks, there are no short-lived assets associated with this project. We anticipate there will be no replacement of water mains, hydrants, valves or appurtenances within the next 15 years.

5. Estimated Costs for the Average Residential User

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

1.	MCWA Water Meter & Account Fee	=	\$ 240.00
2.	Installation of Water Service (100 lf x \$12.00/lf)	=	\$1,200.00
3.	Internal Plumbing Changes	=	\$ 200.00
4.	Repayment of Long-Term Bonding	=	\$ 557.04
5.	Purchase of Water (60,000 gal./yr)	=	\$ 347.90
6.	Plus reserve repair account	=	<u>\$ 20.00</u>
	Total First Year Costs for the Average Residential User	=	\$ 2,564.94

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

1.	Repayment of Long-Term Bonding	= \$ 557.04
2.	Purchase of Water (60,000 gal./yr)	= \$ 347.90
3.	Plus reserve repair account	= \$ 20.00
Total Second Year and beyond Costs for the Average Residential User		= \$ 924.94

The property owner is responsible for paying the fee associated with obtaining the water meter from the MCWA along with the initial application fee. In addition, the property owner is responsible for installation of their own individual water service and connection to the new water service.

As part of this project, water services will be provided from the water main to the right-of-way in front of each building only for property owners who sign up for water service from the MCWA prior to the installation of the water main. A curb stop and box will be located at the right-of-way to shut off the water service if necessary.

Upon the completion of the proposed Project, should the budget permit, the Town should consider providing financial assistance to the residents for purchase of the water meter and application fee, and reimbursement for flushing of water mains prior to completion of the necessary water quality testing.

Another item for consideration if budget allows would be to provide financial assistance for the Town Highway Department to true and level areas of existing roadway within the District that gets disturbed during construction not as the result of the Contractors operation. These older rural roads may become deteriorated as a result of the contractors work operation and may not be avoidable by the contractor.

VII. CONCLUSIONS AND RECOMMENDATIONS

This project will provide potable water to residents of the Proposed Water Improvement Benefit Area No. 1, who are in dire need of the water for daily usage.

The Town of Bergen should apply for grants and low interest loans to provide a badly needed, reliable water service and fire protection to the project area.

**Report prepared for the
Town of Bergen by,**

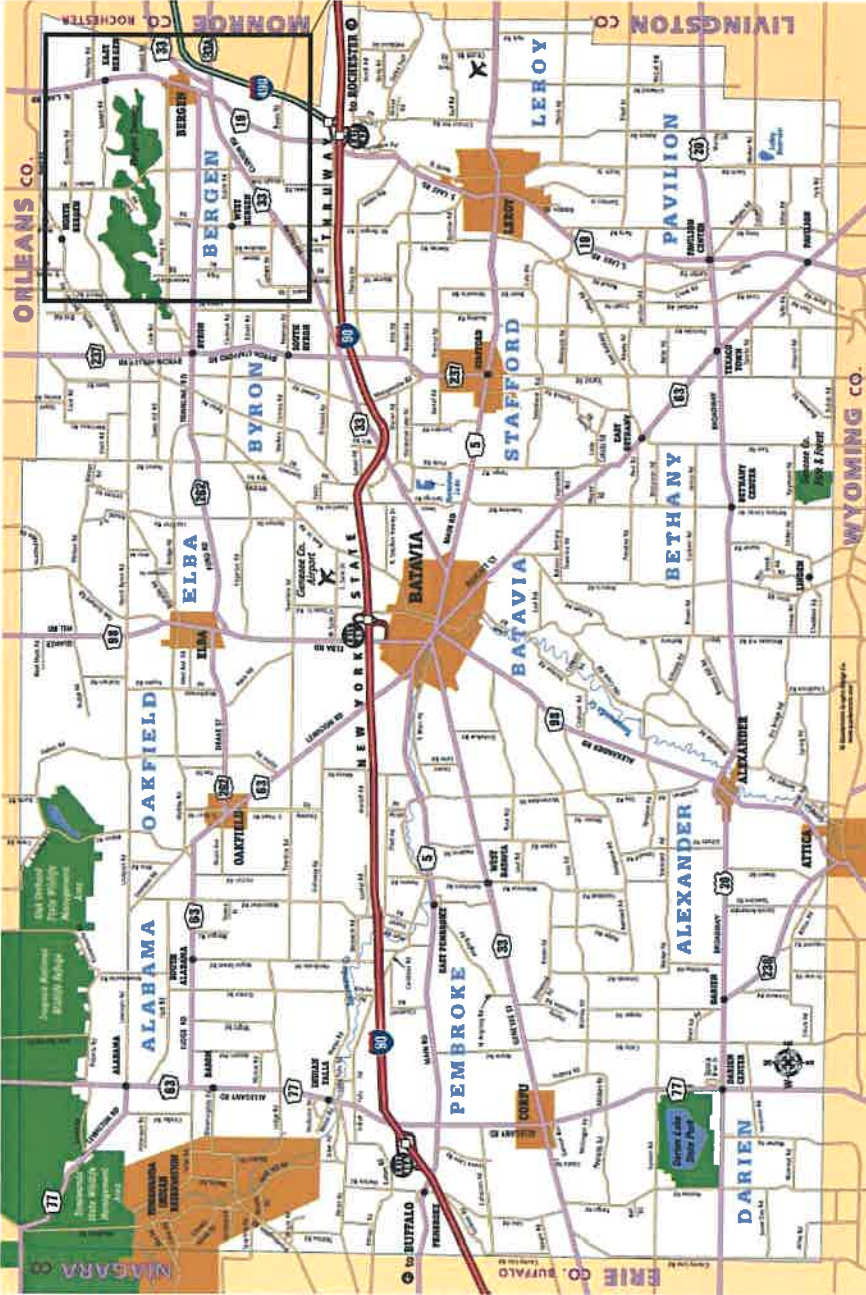
MRB Group
The Culver Road Armory
145 Culver Road, Suite 160
Rochester, NY 14620
Telephone: 585-381-9250
Paul.Chatfield@mrbgrou.com

FIGURE 1
GENERAL LOCATION MAP

NORTH



PROJECT
AREA



**TOWN OF BERGEN
WATER IMPROVEMENT AREA No. 1
FIGURE 1**

Scale: N.T.S.

Date: 09-26-18

Project: 0202.18003

MRB | *group*

Engineering, Architecture & Surveying, D.P.C.
The Culver Road Armory, 145 Culver Road, Suite 100, Rochester, New York 14620
Phone: 585.381.9250
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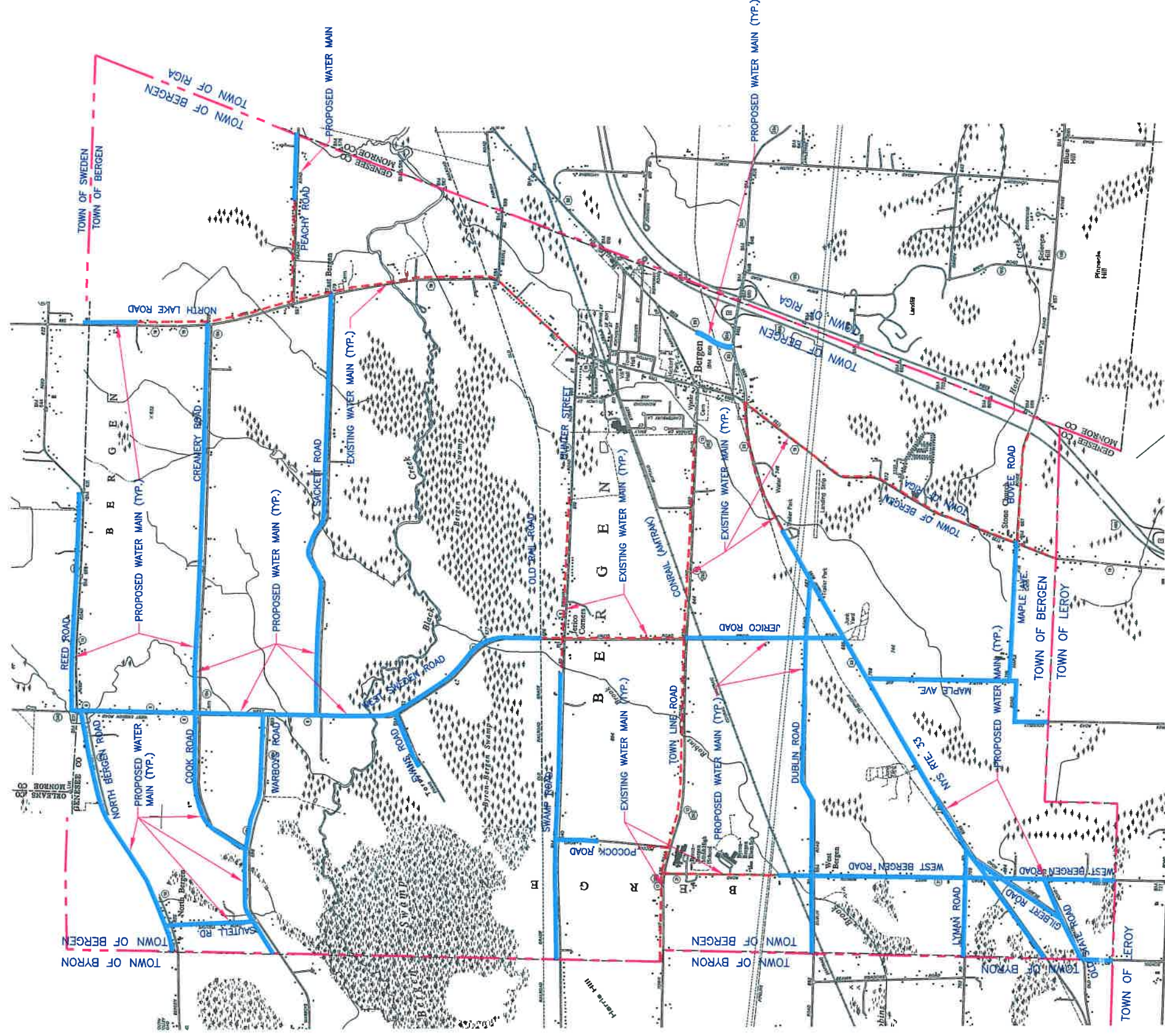
DRAWING ALTERATION

THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 145 SECTION 7209 AND APPLIES TO THIS DRAWING.

IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY IF AN ITEM BEARING THE SIGNATURE OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR IS ALTERED. THE ALTERING ENGINEER OR LAND SURVEYOR SHALL STATE HIS OR HER NAME AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION".

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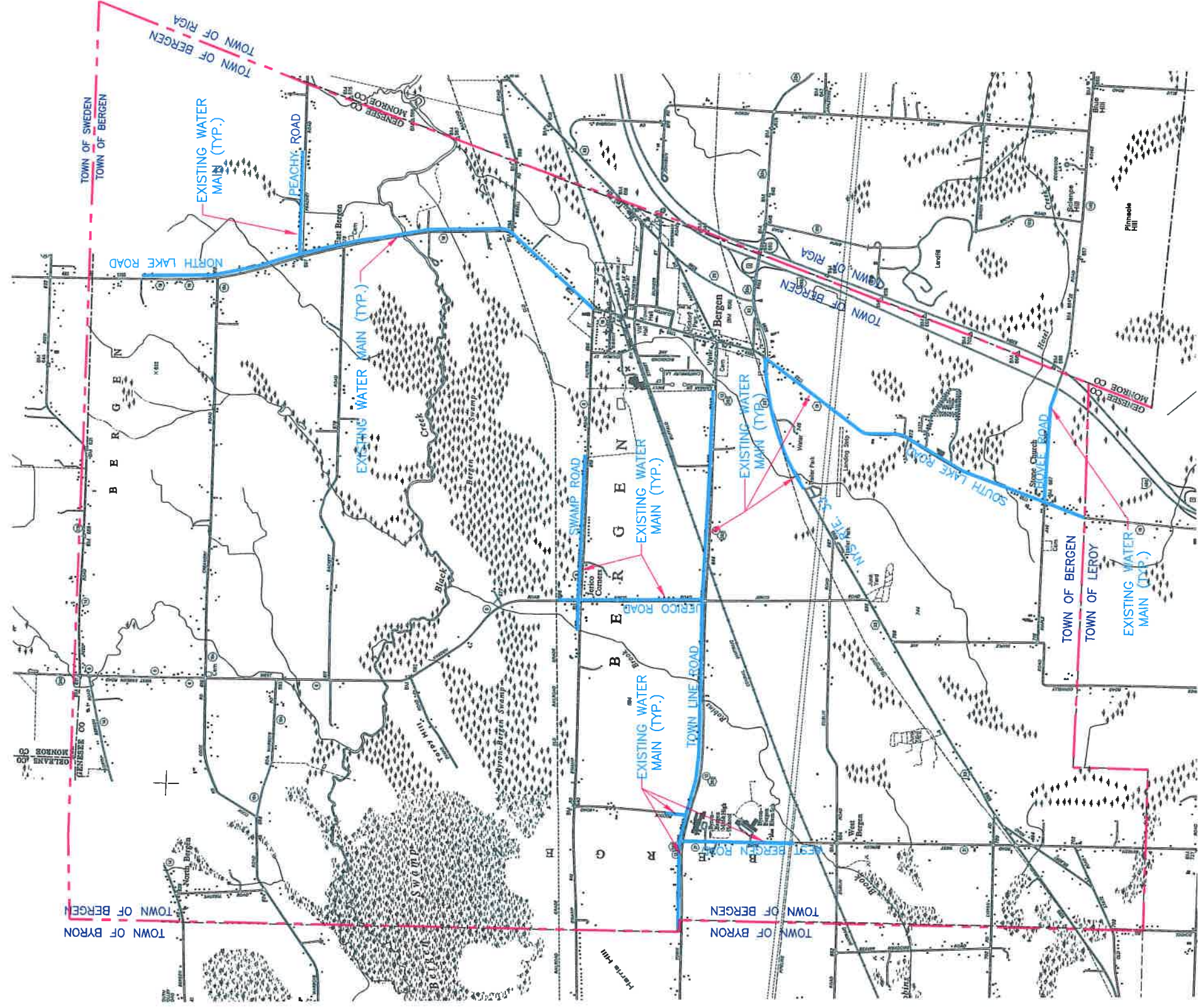
FIGURE 2
PROJECT LOCATION MAP



DRAWING ALTERATION
 THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 145 SECTION 7209 AND APPLIES TO THIS DRAWING.
 "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNLESS HE IS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED, THE ALTERING ENGINEER OR LAND SURVEYOR SHALL AFFIX TO THE ITEM HIS SEAL AND THE NOTATION "ALTERED" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

MRB group Engineering, Architecture & Surveying, D.P.C. The Culver Road Amory, 145 Culver Road, Suite 106, Rochester, New York 14620 Phone: 585.381.9250 www.mrbgroup.com		Project Title: WATER IMPROVEMENT BENEFIT AREA No.1 TOWN OF BERGEN GENESEE COUNTY, NEW YORK	
		Drawing Title: FIGURE 2	
Drawn By: JML	Checked By: PMC	Scale: N.T.S.	Date: 09-26-16
Sheet No. 1 of 1		Project No. 0202.18003	
		No. REVISIONS AND DESCRIPTIONS BY DATE Copyright © 2018 MRB GRAY Engineers LLC. All Rights Reserved	

FIGURE 3
EXISTING FACILITIES MAP



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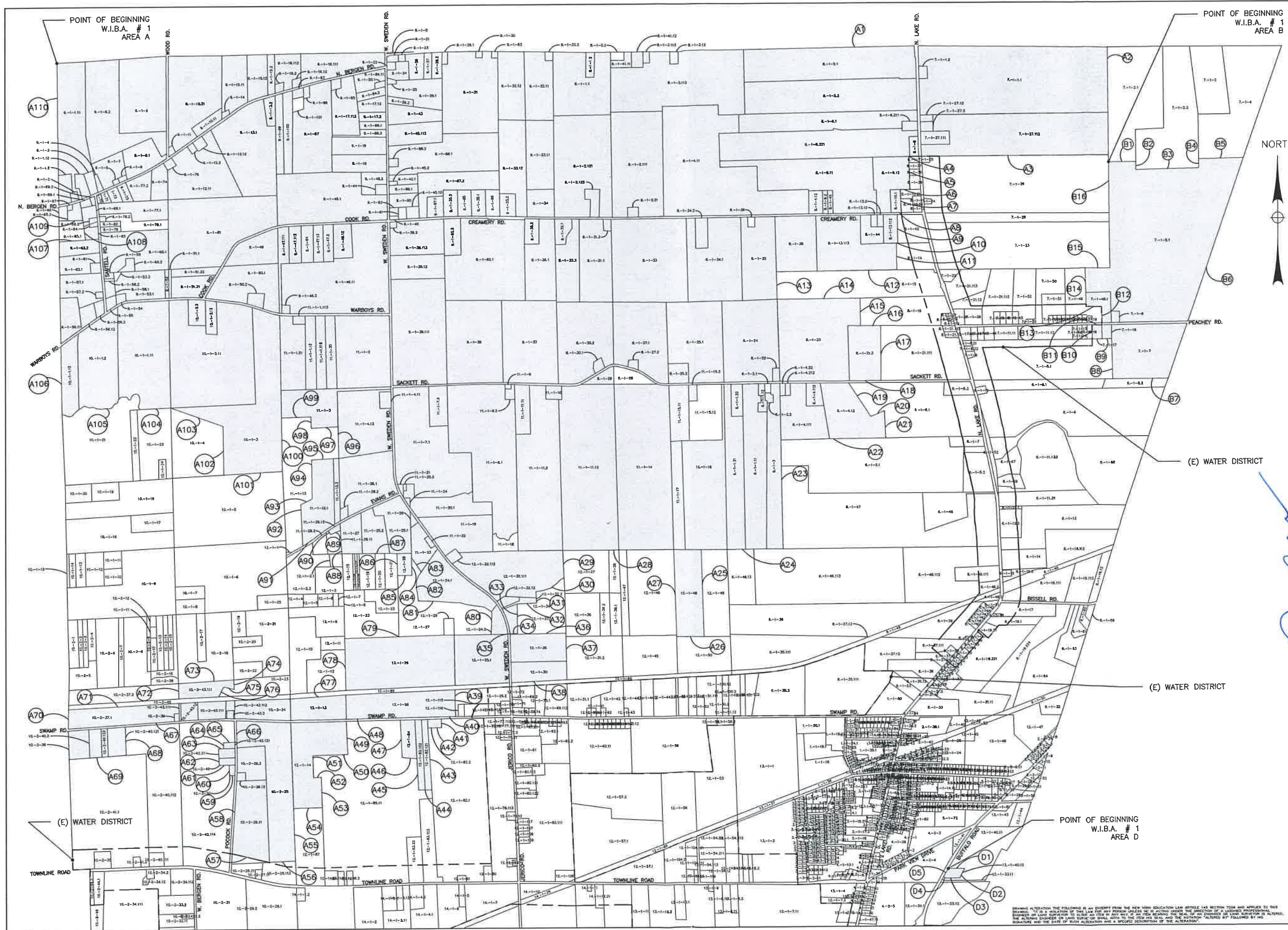
Sheet No.	1 of 1	
	Project No. 0202.18003	
MRB group	Project Title: WATER IMPROVEMENT BENEFIT AREA No.1 TOWN OF BERGEN	
	EXISTING WATER SYSTEM FACILITIES	
Engineering, Architecture & Surveying, D.P.C. The Culver Road Armory, 145 Culver Road, Suite 160, Rochester, New York 14620 Phone: 585-381-9250 www.mrbgroup.com	Drawn By:	JML
	Checked By:	PMC
Date:	Scale:	N.T.S.
	Date:	09-28-18
Drawing Title: FIGURE 3		No. REVISIONS AND DESCRIPTIONS BY DATE
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TABLE 2
PRELIMINARY OPINION OF PROBABLE COST

Table 2
Town of Bergen WIBA No. 1
Preliminary Opinion of Probable Cost
May 17, 2019

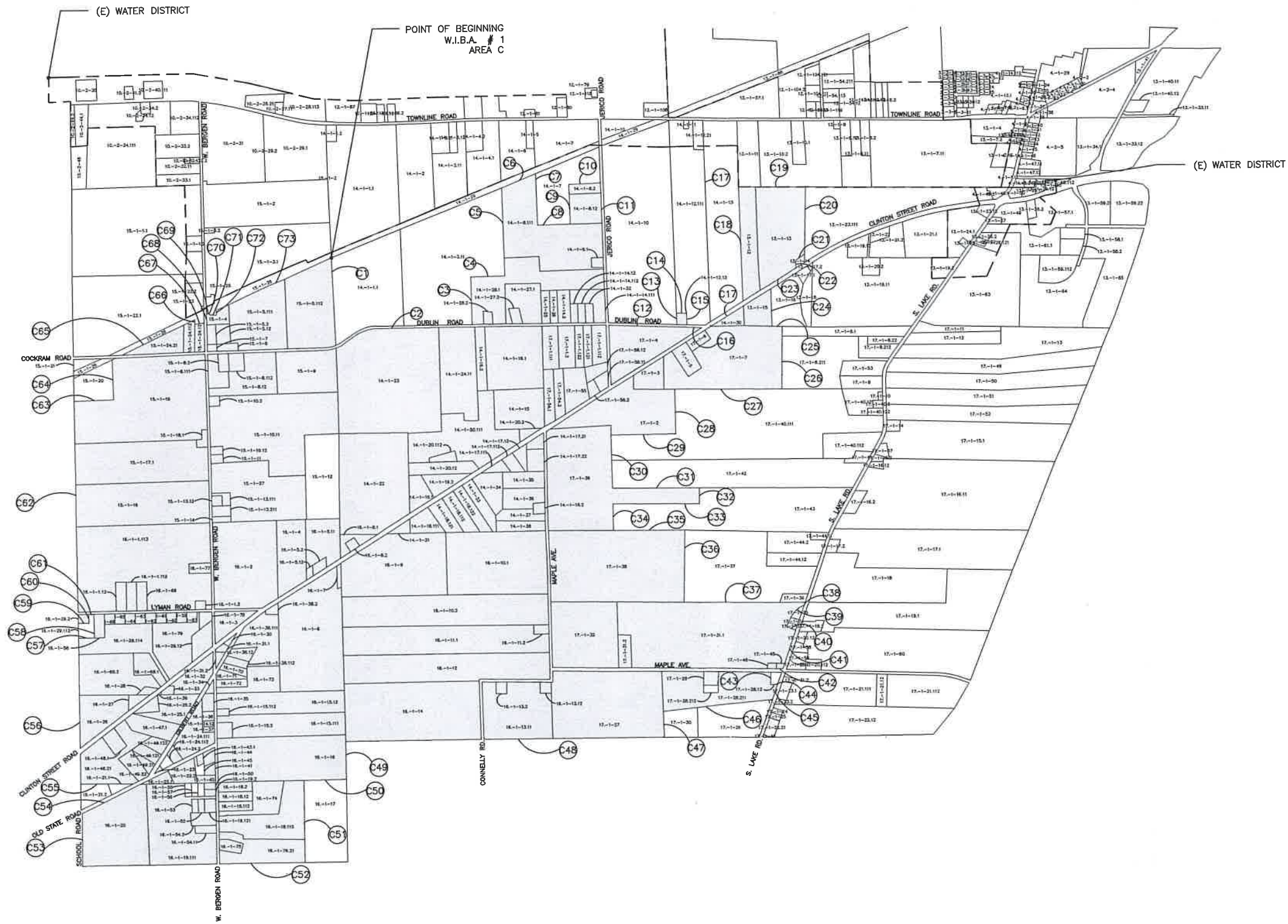
Description	Quantity	Units	Unit Price	Amount
Rock Removal	200	Cubic Yard	\$75.00	\$15,000.00
Select Fill	200	Cubic Yard	\$30.00	\$6,000.00
8" PVC Water Main	140,300	Linear Feet	\$23.00	\$3,226,900.00
10" PVC Water Main	7,100	Linear Feet	\$30.00	\$213,000.00
12" PVC Water Main	16,320	Linear Feet	\$36.00	\$587,520.00
Pipe Bedding	163,720	Linear Feet	\$1.00	\$163,720.00
Directional Drilling Across State Roads	5	Each	\$35,000.00	\$175,000.00
Horizontal Boring of Railroad Tracks	3	Each	\$60,000.00	\$180,000.00
Creek Crossings by Directional Drilling	7	Each	\$15,000.00	\$105,000.00
1" Corp & Tap	352	Each	\$500.00	\$176,000.00
1" Short Side Service	2,300	Linear Feet	\$15.00	\$34,500.00
1" Long Side Service	6,800	Linear Feet	\$20.00	\$136,000.00
1" Curb Stop & Box	352	Each	\$325.00	\$114,400.00
Hydrant Assembly	273	Each	\$4,750.00	\$1,296,750.00
2" Tapped Tee Blow-Off	9	Each	\$2,500.00	\$22,500.00
6" Hydrant Extension	4	Each	\$425.00	\$1,700.00
12" Hydrant Extension	4	Each	\$475.00	\$1,900.00
18" Hydrant Extension	4	Each	\$525.00	\$2,100.00
Direct Water Main Connection	8	Each	\$3,000.00	\$24,000.00
Tapping Sleeve & Valve Connection	3	Each	\$6,000.00	\$18,000.00
Portable Flushing Unit	9	Each	\$4,000.00	\$36,000.00
Test Assembly	5	Each	\$3,000.00	\$15,000.00
8" Gate Valve	150	Each	\$1,600.00	\$240,000.00
10" Gate Valve	8	Each	\$2,100.00	\$16,800.00
12" Gate Valve	17	Each	\$3,000.00	\$51,000.00
Asphalt Road Crossing Restoration	500	Linear Feet	\$40.00	\$20,000.00
Asphalt Driveway Restoration	3,400	Linear Feet	\$30.00	\$102,000.00
Crusher Run Driveway Restoration	1,200	Linear Feet	\$15.00	\$18,000.00
Sub-Total Amount =				\$6,998,790.00
Plus 10% Contingency =				\$699,879.00
Plus Design and Construction Phase Engineering =				\$839,854.00
Plus Legal and Administration =				\$419,477.00
Total Capital Cost =				\$8,958,000.00
Less USDA RD Grant (Anticipated) =				-\$3,058,000.00
Town of Bergen WIBA No. 1 Net Local Share =				\$5,900,000.00
Total Number of EDU's in WIBA No. 1 =				435.0
Yearly Debt Service (2.5% for 38 Years) =				\$242,313.70
Yearly Debt Service/Parcel with Grant =				\$557.04
Plus Estimated cost of water/year from MCWA (Based upon 60,000 gpy/house) =				\$275.90
Plus Genesee County Surcharge @ \$1.20/1,000 gal. water =				\$72.00
Plus reserve repair account for using PVC Pipe =				\$20.00
Total Estimated Cost per year =				\$924.94

APPENDIX A
BOUNDARY MAP AND DESCRIPTION



Drawn By:	JBL	Checked By:	PHC	Scale:	1" = 100'	Date:	12/2018	Revisions and Descriptions:	MBR Group	Copyright:	© 2018
Project Title: WIBA NO. 1 TOWN OF BERGEN, NEW YORK											
Drawing Title: BOUNDARY MAP											
<p>MRB group Engineering, Architecture & Surveying, D.P.C. The Culver Road Annex, 145 Culver Road, Suite 100, Rocherester, New York 14609 Phone: 315-348-9254 www.mrbgroup.com</p>											
Sheet No. G-1											
1 of 2											
Project No. 0202.18003											

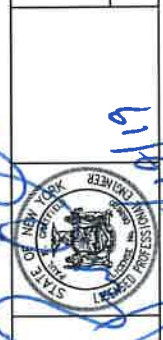
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Checked By:	PRC
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Date:	12/2018
No.:	Revisions and Descriptions
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Project Title: WIBA NO. 1
TOWN OF BERGEN
GENESEE COUNTY, NEW YORK

Drawing Title: AREA C BOUNDARY MAP



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Phone: 585-81-9250
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2 of 2
Project No. 0202.18003

BEING ALTERNATION THE FOLLOWING IS AN EXCERPT FROM THE NEW YORK EDUCATION LAW ARTICLE 148, SECTION 3708 AND APPLIES TO THIS DRAWING: "IT IS A VIOLATION OF THIS LAW FOR ANY PERSON UNDER OR IN VIOLATION OF THE PROVISIONS OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER ANY DRAWING IN ANY WAY, IF ANY ITEM BEARING THE SEAL OF AN ENGINEER OR LAND SURVEYOR IS ALTERED. THE VIOLATION CONSISTS OF LAND SURVEYOR SIGNATURE TO THE DRAWING AND SEAL, AND THE REVISIONS, ALTERED BY TRACKING BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION AND A SPECIFIC DESCRIPTION OF THE ALTERATION."

**BOUNDARY DESCRIPTION
FOR THE TOWN OF BERGEN
WATER IMPROVEMENT BENEFIT AREA #1
GENESSEE COUNTY, NEW YORK
MAY 16, 2019**



The **Town of Bergen Water Improvement Area #1, Area A**, shall have an exterior boundary described as follows:

Beginning at a point, said point being the northwesterly property corner of Tax Account No. 9.-1-1.11; thence

- A1. Easterly, 25,261 feet more or less, along the Genesee County line to a point, said point being the northeasterly property corner of Tax Account No. 7.-1-1.1; thence
- A2. Southerly, 2,592 feet more or less, along the easterly property lines of Tax Account Nos. 7.-1-1.1 and 7.-1-27.112 to a point, said point being the southeasterly property corner of Tax Account No. 7.-1-27.112; thence
- A3. Westerly, 4,779 feet more or less, along the southerly property lines of Tax Account Nos. 7.-1-27.112 and 8.-1-8 to a point, said point being the southwest property corner of Tax Account No. 8.-1-8; thence
- A4. Westerly, 21 feet more or less, along the southerly property line of Tax Account No. 8.-1-6.221 to a point, said point being the northeasterly property corner of Tax Account No. 8.-1-9.12; thence
- A5. Southerly, 790 feet more or less, along the easterly property line of Tax Account No. 8.-1-9.12 to a point, said point being a southeasterly property corner of 8.-1-9.12; thence
- A6. Westerly, 234 feet more or less, along a southerly property line of Tax Account No. 8.-1-9.12 to a point, said point being the northeasterly property corner of Tax Account No. 8.-1-10.1; thence
- A7. Southerly, 533 feet more or less, along the easterly property line of Tax Account No. 8.-1-10.1 to a point, said point being the southeasterly property corner of Tax Account No. 8.-1-10.1; thence
- A8. Westerly, 98 feet more or less, along the southerly property line of Tax Account No. 8.-1-10.1 to a point, said point being the northerly extension of the easterly property line of Tax Account No. 8.-1-13.112; thence
- A9. Southerly, 731 feet more or less, along the easterly property line of Tax Account No. 8.-1-13.112 to a point, said point being the southeasterly property corner of Tax Account No. 8.-1-13.112; thence
- A10. Westerly, 29 feet more or less, along the southerly property line of Tax Account No. 8.-1-13.112 to a point, said point being a northeasterly property corner of Tax Account No. 8.-1-13.113; thence

- A11. Southerly, 637 feet more or less, along an easterly property line of Tax Account No. 8.-1-13.113 to a point, said point being the southeasterly property corner of Tax Account No. 8.-1-13.113; thence
- A12. Westerly, 2,897 feet more or less, along the southerly property lines of Tax Account Nos. 8.-1-13.113 and 8.-1-26 to a point, said point being the southwesterly property corner of Tax Account No. 8.-1-26; thence
- A13. Southerly, 665 feet more or less, along the easterly property line of Tax Account No. 8.-1-35 to a point, said point being the southeasterly property corner of Tax Account No. 8.-1-35; thence
- A14. Easterly, 1,981 feet more or less, along the northerly property line of Tax Account No. 8.-1-23 to a point, said point being the northeasterly property corner of 8.-1-23; thence
- A15. Southerly, 660 feet more or less, along an easterly property line of 8.-1-23 to a point, said point being a southeasterly property corner of Tax Account No. 8.-1-23; thence
- A16. Easterly, 492 feet more or less, along the northerly property line of Tax Account No. 8.-1-21.2 to a point, said point being the northeasterly property corner of Tax Account No. 8.-1-21.2; thence
- A17. Southerly, 1,315 feet more or less, along an easterly property line of Tax Account No. 8.-1-21.2 to a point, said point being the southeasterly property corner of Tax Account No. 8.-1-21.2; thence
- A18. Westerly, 820 feet more or less, along the southerly property line of Tax Account No. 8.-1-21.2 to a point, said point being an extension of an easterly property line of Tax Account No. 6.-1-4.12; thence
- A19. Southeasterly, 1,029 feet more or less, extending along an easterly property line of Tax Account No. 6.-1-4.12 to a point, said point being a northeasterly property corner of Tax Account No. 6.-1-4.12; thence
- A20. Northeasterly, 357 feet more or less, along a northerly property line of Tax Account No. 6.-1-4.12 to a point, said point being a northeasterly property corner of Tax Account No. 6.-1-4.12; thence
- A21. Southerly, 656 feet more or less, along an easterly property line of Tax Account No. 6.-1-4.12 to a point, said point being a southeasterly property corner of Tax Account No. 6.-1-4.12; thence
- A22. Westerly, 2,521 feet more or less, along the southerly property lines of Tax Account Nos. 6.-1-4.12 and 6.-1-4.111 to a point, said point being a southwesterly property corner of Tax Account No. 6.-1-4.111; thence
- A23. Southerly, 2,614 feet more or less, along an easterly property line of Tax Account No. 6.-1-3 to a point, said point being a southeasterly property corner of Tax Account No. 6.-1-3; thence

- A24. Westerly, 1,963 feet more or less, along the southerly property lines of Tax Account Nos. 6.-1-3, 6.-1-1.11, 6.-1-1.21 and 11.-1-16 to a point, said point being a northeasterly property corner of Tax Account No. 12.-1-48; thence
- A25. Southerly, 2,086 feet more or less, along an easterly property line of Tax Account No. 12.-1-48 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-48; thence
- A26. Westerly, 674 feet more or less, along a southerly property line of Tax Account No. 12.-1-48 to a point, said point being a southwesterly property corner of Tax Account No. 12.-1-48; thence
- A27. Northerly, 2,095 feet more or less, along the westerly property line of Tax Account No. 12.-1-48 to a point, said point being a northwesterly property corner of Tax Account No. 12.-1-48; thence
- A28. Westerly, 2,679 feet more or less, along the southerly property lines of Tax Account Nos. 11.-1-14 and 11.-1-11.12 to a point, said point being a northeasterly property corner of Tax Account No. 12.-1-32.111; thence
- A29. Southerly, 659 feet more or less, along an easterly property line of Tax Account No. 12.-1-32.111 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-32.111; thence
- A30. Southwesterly, 761 feet more or less, along a southerly property line of Tax Account No. 12.-1-32.111 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-32.111; thence
- A31. Southerly, 272 feet more or less, along the easterly property lines of Tax Account Nos. 12.-1-32.111 and 12.-1-32.2 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-32.2; thence
- A32. Westerly, 462 feet more or less, along a southerly property line of Tax Account No. 12.-1-32.2 to a point, said point being a northeasterly property corner of Tax Account No. 12.-1-33; thence
- A33. Southerly, 709 feet more or less, along an easterly property line of Tax Account No. 12.-1-33 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-33; thence
- A34. Westerly, 180 feet more or less, along a southerly property line of Tax Account No. 12.-1-33 to a point, said point being a southwesterly property corner of Tax Account No. 12.-1-33; thence
- A35. Southerly, 22 feet more or less, along the easterly Right of Way line of West Sweden Road to a point, said point being a northwesterly property corner of Tax Account No. 12.-1-35; thence
- A36. Easterly, 1,338 feet more or less, along a northerly property line of Tax Account No. 12.-1-35 to a point, said point being a northeasterly property corner of Tax Account No. 12.-1-35; thence

- A37. Southerly, 1,119 feet more or less, along the easterly property lines of Tax Account Nos. 12.-1-35 and 12.-1-30 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-30; thence
- A38. Westerly, 2,679 feet more or less, along the southerly property lines of Tax Account Nos. 12.-1-30 and 12.-1-25.1 to a point, said point being a southwesterly property corner of Tax Account No. 12.-1-25.1; thence
- A39. Southerly, 745 feet more or less, along a northerly extension of the easterly property line of Tax Account No. 12.-1-26 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-26; thence
- A40. Westerly, 346 feet more or less, along the southerly property line of Tax Account No. 12.-1-26 to a point, said point being a northerly extension of the easterly property line of Tax Account No. 12.-1-82.2; thence
- A41. Southerly, 261 feet more or less, along a northerly extension of the easterly property line of Tax Account No. 12.-1-82.2 to a point, said point being the southeasterly property corner of Tax Account No. 12.-1-82.2; thence
- A42. Westerly, 329 feet more or less, along the southerly property line of Tax Account No. 12.-1-82.2 to a point, said point being the southwesterly property corner of Tax Account No. 12.-1-82.2; thence
- A43. Southerly, 1,495 feet more or less, along the easterly property line of Tax Account No. 12.-1-83.121 to a point, said point being the southeasterly property corner of Tax Account No. 12.-1-83.121; thence
- A44. Westerly, 322 feet more or less, along the southerly property lines of Tax Account Nos. 12.-1-83.121 and 12.-1-83.122 to a point, said point being the southwesterly property corner of Tax Account No. 12.-1-83.122; thence
- A45. Northerly, 755 feet more or less, along the westerly property line of Tax Account No. 12.-1-83.122 to a point, said point being the southeasterly property corner of Tax Account No. 12.-1-84; thence
- A46. Westerly, 353 feet more or less, along the southerly property line of Tax Account No. 12.-1-84 to a point, said point being the southwesterly property corner of Tax Account No. 12.-1-84; thence
- A47. Northerly, 955 feet more or less, along the westerly property line of Tax Account No. 12.-1-84 to a point, said point being located along the southerly property line of Tax Account No. 12.-1-26; thence
- A48. Westerly, 1,290 feet more or less, along the southerly property line of Tax Account No. 12.-1-26 to a point, said point being the southwesterly property corner of Tax Account No. 12.-1-26; thence
- A49. Southerly, 849 feet more or less, along a northerly extension of the easterly property line of Tax Account No. 12.-1-14 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-14; thence

- A50. Westerly, 830 feet more or less, along a southerly property line of Tax Account No. 12.-1-14 to a point, said point being a southwesterly property corner of Tax Account No. 12.-1-14; thence
- A51. Southerly, 525 feet more or less, along an easterly property line of Tax Account No. 12.-1-14 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-14; thence
- A52. Easterly, 186 feet more or less, along a southerly property line of Tax Account No. 12.-1-14 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-14; thence
- A53. Southerly, 733 feet more or less, along an easterly property line of Tax Account No. 12.-1-14 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-14; thence
- A54. Westerly, 682 feet more or less, along a southerly property line of Tax Account No. 12.-1-14 to a point, said point being located along an easterly property line of Tax Account No. 10.-2-25; thence
- A55. Southerly, 1,268 feet more or less, along an easterly property line of Tax Account No. 10.-2-25 to a point, said point being a southeasterly property corner of Tax Account No. 10.-2-25; thence
- A56. Westerly, 625 feet more or less, along a southerly property line of Tax Account No. 10.-2-25 to a point, said point being a southwesterly property corner of Tax Account No. 10.-2-25; thence
- A57. Westerly, 920 feet more or less, along a southerly property line of Tax Account No. 10.-2-26.11 to a point, said point being a southwesterly property corner of Tax Account No. 10.-2-26.11; thence
- A58. Northerly, 1,885 feet more or less, along a westerly property line of Tax Account No. 10.-2-26.11 to a point, said point being an easterly extension of the southerly property line of Tax Account No. 10.-2-50; thence
- A59. Westerly, 175 feet more or less, along an easterly extension of the southerly property line of Tax Account No. 10.-2-50 to a point, said point being a southwesterly property line of Tax Account No. 10.-2-50; thence
- A60. Northerly, 250 feet more or less, along the westerly property line of Tax Account No. 10.-2-50 to a point, said point being a northwesterly property corner of Tax Account No. 10.-2-50; thence
- A61. Westerly, 235 feet more or less, along the southerly property line of Tax Account No. 10.-2-49 to a point, said point being a southwesterly property line of Tax Account No. 10.-2-49; thence
- A62. Northerly, 556 feet more or less, along the westerly property lines of Tax Account Nos. 10.-2-49 and 10.-2-42.21 to a point, said point being a northwesterly property corner of Tax Account No. 10.-2-42.21; thence

- A63. Easterly, 165 feet more or less, along the northerly property line of Tax Account No. 10.-2-42.21 to a point, said point being a southwesterly property line of Tax Account No. 10.-2-42.121; thence
- A64. Northerly, 150 feet more or less, along the westerly property line of Tax Account No. 10.-2-42.121 to a point, said point being a northwesterly property line of Tax Account No. 10.-2-42.121; thence
- A65. Easterly, 275 feet more or less, along the northerly property line of Tax Account No. 10.-2-42.121 to a point, said point being located on a westerly property line of Tax Account No. 10.-2-25; thence
- A66. Northerly, 510 feet more or less, extending along the westerly property line of Tax Account No. 10.-2-25 to a point, said point being located on a southerly property line of Tax Account No. 10.-2-24; thence
- A67. Westerly, 2,665 feet more or less, along the northerly Right of Way line of Swamp Road to a point, said point being an extension of the easterly property line of Tax Account No. 10.-2-40.121; thence
- A68. Southerly, 728 feet more or less, along the easterly property line of Tax Account No. 10.-2-40.121 to a point, said point being a southeasterly property corner of Tax Account No. 10.-2-40.121; thence
- A69. Westerly, 1,373 feet more or less, along the southerly property lines of Tax Account Nos. 10.-2-40.121, 10.-2-40.122, 10.-2-40.2 and 10.-2-36 to a point, said point being a southwesterly property corner of Tax Account No. 10.-2-36; thence
- A70. Northerly, 1,196 feet more or less, along the westerly property lines of Tax Account Nos. 10.-2-36 and 10.-2-37.1 to a point, said point being a northwesterly property corner of Tax Account No. 10.-2-37.1; thence
- A71. Easterly, 2,644 feet more or less, along the northerly property line of Tax Account No. 10.-2-37.1 to a point, said point being a northeasterly property corner of Tax Account No. 10.-2-37.1; thence
- A72. Northerly, 474 feet more or less, along a southerly extension of the westerly property line of Tax Account No. 10.-2-43.111 to a point, said point being a northwesterly property line of Tax Account No. 10.-2-43.111; thence
- A73. Easterly, 1,330 feet more or less, along the northerly property line of Tax Account No. 10.-2-43.111 to a point, said point being a northeasterly property line of Tax Account No. 10.-2-43.111; thence
- A74. Southerly, 232 feet more or less, along the easterly property line of Tax Account No. 10.-2-43.111 to a point, said point being a southeasterly property line of Tax Account No. 10.-2-43.111; thence
- A75. Westerly, 259 feet more or less, along a southerly property line of Tax Account No. 10.-2-43.111 to a point, said point being a southeasterly property line of Tax Account No. 10.-2-43.111; thence

- A76. Southerly, 385 feet more or less, along an easterly property line of Tax Account No. 10.-2-43.111 to a point, said point being located along a northerly property line of Tax Account No. 10.-2-43.111; thence
- A77. Easterly, 3,097 feet more or less, along the northerly property lines of Tax Account Nos. 10.-2-43.111, 10.-2-43.112, 10.-2-24 and 12.-1-13 to a point, said point being a northeasterly property line of Tax Account No. 12.-1-13; thence
- A78. Northerly, 1,357 feet more or less, along a southerly extension of the westerly property line of Tax Account No. 12.-1-26 to a point, said point being a northwesterly property line of Tax Account No. 12.-1-26; thence
- A79. Easterly, 3,519 feet more or less, along the northerly property lines of Tax Account Nos. 12.-1-26 and 12.-1-25.1 to a point, said point being a southwesterly property corner of Tax Account No. 12.-1-24.2; thence
- A80. Northerly, 547 feet more or less, along the westerly property line of Tax Account No. 12.-1-24.2 to a point, said point being a southeasterly property line of Tax Account No. 12.-1-24.1; thence
- A81. Westerly, 1,089 feet more or less, along the southerly property line of Tax Account No. 12.-1-24.1 to a point, said point being a southwesterly property line of Tax Account No. 12.-1-24.1; thence
- A82. Northerly, 730 feet more or less, along the westerly property line of Tax Account No. 12.-1-24.1 to a point, said point being a southerly property corner of Tax Account No. 11.-1-23; thence
- A83. Northwesterly, 414 feet more or less, along the southwesterly property line of Tax Account No. 11.-1-23 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-23; thence
- A84. Southerly, 426 feet more or less, along the easterly property line of Tax Account No. 12.-1-28 to a point, said point being a southeasterly property corner of Tax Account No. 12.-1-28; thence
- A85. Westerly, 346 feet more or less, along the southerly property line of Tax Account No. 12.-1-28 to a point, said point being a southwesterly property corner of Tax Account No. 12.-1-28; thence
- A86. Northerly, 530 feet more or less, along the westerly property line of Tax Account No. 12.-1-28 to a point, said point being a northwesterly property corner of Tax Account No. 12.-1-28; thence
- A87. Westerly, 1,317 feet more or less, along the southerly property lines of Tax Account Nos. 11.-1-25.1, 11.-1-25.2, and 11.-1-27 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-27; thence
- A88. Northerly, 557 feet more or less, along the westerly property line of Tax Account No. 11.-1-27 to a point, said point being a southeasterly property corner of Tax Account No. 11.-1-29.12; thence

- A89. Southwesterly, 240 feet more or less, along the southerly property line of Tax Account No. 11.-1-29.12 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-29.12; thence
- A90. Northwesterly, 159 feet more or less, along the westerly property line of Tax Account No. 11.-1-29.12 to a point, said point being located along the southerly property line of Tax Account No. 11.-1-12.1; thence
- A91. Southwesterly, 709 feet more or less, along the southerly property line of Tax Account No. 11.-1-12.1 to a point, said point being the southwesterly property corner of Tax Account No. 11.-1-12.1; thence
- A92. Northerly, 998 feet more or less, along the westerly property line of Tax Account No. 11.-1-12.1 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-12.1; thence
- A93. Northeasterly, 300 feet more or less, along a northerly property line of Tax Account No. 11.-1-12.1 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-12.1; thence
- A94. Northerly, 939 feet more or less, along a westerly property line of Tax Account No. 11.-1-12.1 to a point, said point being a northwesterly property corner of Tax Account No. 11.-1-12.1; thence
- A95. Easterly, 653 feet more or less, along the northerly property lines of Tax Account Nos. 11.-1-12.1 and 11.-1-12.2 to a point, said point being the southwesterly property corner of Tax Account No. 11.-1-4.12; thence
- A96. Northerly, 756 feet more or less, along the westerly property line of Tax Account No. 11.-1-4.12 to a point, said point being the southeasterly property corner of Tax Account No. 11.-1-3; thence
- A97. Westerly, 642 feet more or less, along a southerly property line of Tax Account No. 11.-1-3 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-3; thence
- A98. Northerly, 274 feet more or less, along a westerly property line of Tax Account No. 11.-1-3 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-3; thence
- A99. Westerly, 705 feet more or less, along a southerly property line of Tax Account No. 11.-1-3 to a point, said point being a southwesterly property corner of Tax Account No. 11.-1-3; thence
- A100. Southerly, 1,283 feet more or less, along an easterly property line of Tax Account No. 10.-1-3 to a point, said point being a southeasterly property corner of Tax Account No. 10.-1-3; thence
- A101. Westerly, 1,416 feet more or less, along a southerly property line of Tax Account No. 10.-1-3 to a point, said point being a southwesterly property corner of Tax Account No. 10.-1-3; thence

- A102. Northerly, 1,172 feet more or less, along a westerly property line of Tax Account No. 10.-1-3 to a point, said point being a southwesterly property corner of Tax Account No. 10.-1-3; thence
- A103. Northwesterly, 1,331 feet more or less, along a southwesterly property line of Tax Account No. 10.-1-3 to a point, said point being a southwesterly property corner of Tax Account No. 10.-1-3; thence
- A104. Westerly, 728 feet more or less, along a southerly property line of Tax Account No. 10.-1-1.11 to a point, said point being a southwesterly property corner of Tax Account No. 10.-1-1.11; thence
- A105. Westerly, 2,567 feet more or less, along the southerly property lines of Tax Account Nos. 10.-1-1.11, 10.-1-1.2 and 10.-1-1.12 to a point, said point being a southwesterly property corner of Tax Account No. 10.-1-1.12; thence
- A106. Northerly, 4,152 feet more or less, along the westerly Townline to a point, said point being a northwesterly property corner of Tax Account No. 9.-1-62.2; thence
- A107. Easterly, 631 feet more or less, along the northerly property line of Tax Account No. 9.-1-62.2 to a point, said point being a southwesterly property corner of Tax Account No. 9.-1-63; thence
- A108. Northerly, 473 feet more or less, along the westerly property lines of Tax Account Nos. 9.-1-63 and 9.-1-68.1 to a point, said point being a southeasterly property corner of Tax Account No. 9.-1-65.2; thence
- A109. Westerly, 571 feet more or less, along the southerly property lines of Tax Account Nos. 9.-1-65.2 and 9.-1-66 to a point, said point being a southwesterly property corner of Tax Account No. 9.-1-66; thence
- A110. Northerly, 3,781 feet more or less, along the westerly Townline to a point, said point being point of beginning.

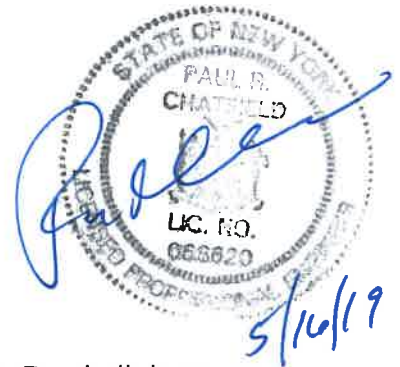
End of Boundary Description of Area A

The following properties are not included in the Water Improvement Benefit Area:

#6.-1-2.1; #8.-1-3.2; #8.-1-28; #8.-1-38; #9.-1-53.2; #9.-1-58.2;

#9.-1-65.1; #9.-1-78.1; #9.-1-101; #11.-1-15.12; #11.-1-18

**BOUNDARY DESCRIPTION
FOR THE TOWN OF BERGEN
WATER IMPROVEMENT BENEFIT AREA #1
GENESSEE COUNTY, NEW YORK
MAY 16, 2019**



The **Town of Bergen Water Improvement Area #1, Area B**, shall have an exterior boundary described as follows:

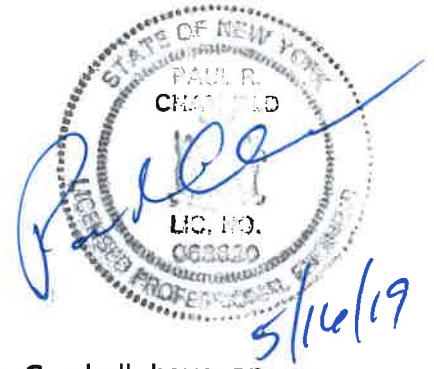
Beginning at a point, said point being the northwesterly property corner of Tax Account No. 7.-1-5.1; thence

- B1. Easterly, 660 feet more or less, along a northerly property line of Tax Account No. 7.-1-5.1 to a point, said point being a northwesterly property corner of Tax Account No. 7.-1-5.1; thence
- B2. Southerly, 194 feet more or less, along a westerly property line of Tax Account No. 7.-1-5.1 to a point, said point being a northwesterly property corner of Tax Account No. 7.-1-5.1; thence
- B3. Easterly, 1,490 feet more or less, along a northerly property line of Tax Account No. 7.-1-5.1 to a point, said point being a northeasterly property corner of Tax Account No. 7.-1-5.1; thence
- B4. Northerly, 216 feet more or less, along an easterly property line of Tax Account No. 7.-1-5.1 to a point, said point being a northeasterly property corner of Tax Account No. 7.-1-5.1; thence
- B5. Easterly, 1,081 feet more or less, along a northerly property line of Tax Account No. 7.-1-5.1 to a point, said point being a northeasterly property corner of 7.-1-5.1; thence
- B6. Southwesterly, 5,583 feet more or less, along the easterly property lines of Tax Account Nos. 7.-1-5.1 and 7.-1-7 to a point, said point being a southeasterly property corner of Tax Account No. 7.-1-7; thence
- B7. Westerly, 1,342 feet more or less, along the southerly property line of Tax Account No. 7.-1-7 to a point, said point being a southwesterly property corner of Tax Account No. 7.-1-7; thence
- B8. Northerly, 964 feet more or less, along a westerly property line of Tax Account No. 7.-1-7 to a point, said point being a southeasterly property corner of Tax Account No. 7.-1-18; thence
- B9. Westerly, 478 feet more or less, along the southerly property lines of Tax Account Nos. 7.-1-18 and 7.-1-17 to a point, said point being a southwesterly property corner of Tax Account No. 7.-1-17; thence
- B10. Northerly, 334 feet more or less, along the westerly property line of Tax Account No. 7.-1-17 to a point, said point being the northwesterly property corner of Tax Account No. 7.-1-17; thence

- B11. Easterly, 239 feet more or less, along the northerly property line of Tax Account No. 7.-1-17 to a point, said point being the northeasterly property corner of Tax Account No. 7.-1-17; thence
- B12. Northerly, 441 feet more or less, along a southerly extension of the westerly property line of Tax Account No. 7.-1-48.1 to a point, said point being a southwesterly property corner of Tax Account No. 7.-1-48.1; thence
- B13. Westerly, 368 feet more or less, along a southerly property line of Tax Account No. 7.-1-48.1 to a point, said point being a southwesterly property corner of Tax Account No. 7.-1-48.1; thence
- B14. Northerly, 924 feet more or less, along the westerly property lines of Tax Account Nos. 7.-1-48.1 and 7.-1-5.1 to a point, said point being the northwesterly property corner of 7.-1-5.1; thence
- B15. Easterly, 603 feet more or less, along a northerly property line of 7.-1-5.1 to a point, said point being a northwesterly property corner of Tax Account No. 7.-1-5.1; thence
- B16. Northerly, 2,543 feet more or less, along a westerly property line of Tax Account No. 7.-1-5.1 to a point, said point being the point of beginning.

End of Boundary Description of Area B

**BOUNDARY DESCRIPTION
FOR THE TOWN OF BERGEN
WATER IMPROVEMENT BENEFIT AREA #1
GENESSEE COUNTY, NEW YORK
MAY 16, 2019**



The **Town of Bergen Water Improvement Area #1, Area C**, shall have an exterior boundary described as follows:

Beginning at a point, said point being the northeasterly property corner of Tax Account No. 15.-1-5.112; thence

- C1. Southerly, 1,751 feet more or less, along the easterly property line of Tax Account No. 15.-1-5.112 to a point, said point being a northwesterly property corner of Tax Account No. 14.-1-23; thence
- C2. Easterly, 2,738 feet more or less, along the northerly property lines of Tax Account Nos. 14.-1-23 and 14.-1-24.11 to a point, said point being a southerly extension of the westerly property line of Tax Account No. 14.-1-28.1; thence
- C3. Northerly, 972 feet more or less, along a southerly extension of the westerly property line of Tax Account No. 14.-1-28.1 to a point, said point being a northwesterly property corner of Tax Account No. 14.-1-28.1; thence
- C4. Easterly, 662 feet more or less, along a northerly property line of Tax Account No. 14.-1-28.1 to a point, said point being a northwesterly property corner of Tax Account No. 14.-1-28.1; thence
- C5. Northerly, 1,708 feet more or less, along the westerly property lines of Tax Account Nos. 14.-1-28.1 and 14.-1-8.111 to a point, said point being a northwesterly property corner of 14.-1-8.111; thence
- C6. Northeasterly, 716 feet more or less, along a northerly property line of Tax Account No. 14.-1-8.111 to a point, said point being a northeasterly property corner of Tax Account No. 14.-1-8.111; thence
- C7. Southerly, 1,000 feet more or less, along an easterly property line of Tax Account No. 14.-1-8.111 to a point, said point being a northwesterly property corner of Tax Account No. 14.-1-8.111; thence
- C8. Easterly, 637 feet more or less, along a northerly property line of Tax Account No. 14.-1-8.111 to a point, said point being a southwesterly property corner of Tax Account No. 14.-1-8.12; thence
- C9. Northerly, 991 feet more or less, along the westerly property lines of Tax Account Nos. 14.-1-8.12 and 14.-1-8.2 to a point, said point being a northwesterly property corner of Tax Account No. 14.-1-8.2; thence
- C10. Easterly, 626 feet more or less, along the northerly property line of Tax Account No. 14.-1-8.2 to a point, said point being the northeasterly property corner of Tax Account No. 14.-1-8.2; thence

- C11. Southerly, 2,760 feet more or less, extending along the westerly Right of Way line of Jerico Road to a point, said point being the northeasterly property corner of Tax Account No. 17.-1-1.112; thence
- C12. Easterly, 1,318 feet more or less, extending along the northerly property line of Tax Account No. 17.-1-4 to a point, said point being an extension of the westerly property line of Tax Account No. 14.-1-12.12; thence
- C13. Northerly, 268 feet more or less, extending along the westerly property lines of Tax Account Nos. 14.-1-12.12 to a point, said point being a northwesterly property corner of Tax Account No. 14.-1-12.12; thence
- C14. Easterly, 200 feet more or less, along a northerly property line of Tax Account No. 14.-1-12.12 to a point, said point being a northeasterly property corner of 14.-1-12.12; thence
- C15. Southerly, 270 feet more or less, along an easterly property line of 14.-1-12.12 to a point, said point being along a northerly property line of Tax Account No. 17.-1-4; thence
- C16. Easterly, 477 feet more or less, extending along a northerly property line of Tax Account No. 17.-1-4 to a point, said point being a southwesterly property corner of Tax Account No. 14.-1-30; thence
- C17. Northeasterly, 753 feet more less, along the northerly property line of Tax Account No. 14.-1-30 to a point, said point being a northeasterly property corner of Tax Account No. 14.-1-30; thence
- C18. Northerly, 2,311 feet more or less, along a southerly extension of the westerly property line of Tax Account No. 13.-1-12 to a point, said point being a northwesterly property corner of Tax Account No. 13.-1-12; thence
- C19. Easterly, 1,301 feet more or less, along the northerly property lines of Tax Account Nos. 13.-1-12 and 13.-1-13 to a point, said point being the northeasterly property corner of Tax Account No. 13.-1-13; thence
- C20. Southerly, 1,304 feet more or less, along the easterly property line of Tax Account No. 13.-1-13 to a point, said point being a southeasterly property corner of Tax Account No. 13.-1-13; thence
- C21. Southwesterly, 213 feet more or less, along a southerly property line of Tax Account No. 13.-1-13 to a point, said point being a southeasterly property corner of Tax Account No. 13.-1-13; thence
- C22. Southerly, 149 feet more or less, along an easterly property line of Tax Account No. 13.-1-13 to a point, said point being a southeasterly property corner of Tax Account No. 13.-1-13; thence
- C23. Southwesterly, 578 feet more or less, along a southerly property line of Tax Account No. 13.-1-13 to a point, said point being a northerly extension of the easterly property line of Tax Account No. 13.-1-15; thence

- C24. Southerly, 824 feet more or less, along a northerly extension of the easterly property line of Tax Account No. 13.-1-15 to a point, said point being a southeasterly property corner of Tax Account No. 13.-1-15; thence
- C25. Easterly, 192 feet more less, along a northerly property line of Tax Account No. 17.-1-7 to point, said point being a northeasterly property corner of Tax Account No. 17.-1-7; thence
- C26. Southerly, 1,215 feet more or less, along an easterly property line of Tax Account No. 17.-1-7 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-7; thence
- C27. Westerly, 2,095 feet more or less, along a southerly property line of Tax Account No. 17.-1-17 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-2; thence
- C28. Southerly, 871 feet more or less, along an easterly property line of Tax Account No. 17.-1-2 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-2; thence
- C29. Westerly, 1,245 feet more or less, along a southerly property line of Tax Account No. 17.-1-2 to a point, said point being a southwesterly property corner of Tax Account No. 17.-1-2; thence
- C30. Southerly, 1,031 feet more or less, along an easterly property line of Tax Account No. 17.-1-39 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-39; thence
- C31. Easterly, 1,688 feet more or less, along a northerly property line of Tax Account No. 17.-1-39 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-39; thence
- C32. Southerly, 308 feet more less, along an easterly property line of Tax Account No. 17.-1-39 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-39; thence
- C33. Westerly, 1,681 feet more or less, along a southerly property line of Tax Account No. 17.-1-39 to a point, said point being a southwesterly property corner of Tax Account No. 17.-1-39; thence
- C34. Southerly, 514 feet more or less, along an easterly property line of Tax Account No. 17.-1-39 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-39; thence
- C35. Easterly, 1,381 feet more or less, along the northerly property line of Tax Account No. 17.-1-38 to a point, said point being the northeasterly property corner of Tax Account No. 17.-1-38; thence
- C36. Southerly, 1,404 feet more or less, along the easterly property line of Tax Account No. 17.-1-38 to a point, said point being the southeasterly property corner of Tax Account No. 17.-1-38; thence

- C37. Easterly, 2,372 feet more or less, along a northerly property line of Tax Account No. 17.-1-31.1 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-31.1; thence
- C38. Southwesterly, 64 feet more or less, along an easterly property line of Tax Account No. 17.-1-31.1 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-31.1; thence
- C39. Southwesterly, 561 feet more or less, along an easterly property line of Tax Account No. 17.-1-31.1 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-31.1; thence
- C40. Southeasterly, 187 feet more or less, along a northerly property line of Tax Account No. 17.-1-31.1 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-31.1; thence
- C41. Southwesterly, 794 feet more or less, along the easterly property lines of Tax Account Nos. 17.-1-31.1 and 17.-1-45 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-45; thence
- C42. Westerly, 231 feet more or less, along the southerly property lines of Tax Account Nos. 17.-1-45 and 17.-1-48 to a point, said point being a northerly extension of an easterly property line of Tax Account No. 17.-1-28.211; thence
- C43. Southerly, 308 feet more or less, along a northerly extension of an easterly property line of Tax Account No. 17.-1-28.211 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-28.211; thence
- C44. Easterly, 132 feet more or less, along a northerly property line of Tax Account No. 17.-1-28.211 to a point, said point being a northeasterly property corner of Tax Account No. 17.-1-28.211; thence
- C45. Southwesterly, 308 feet more or less, along an easterly property line of Tax Account No. 17.-1-28.211 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-28.211; thence
- C46. Southwesterly, 2,152 feet more or less, along the southerly property line of Tax Account No. 17.-1-28.211 to a point, said point being a southwesterly property corner of Tax Account No. 17.-1-28.211; thence
- C47. Southerly, 501 feet more or less, along an easterly property line of Tax Account No. 17.-1-27 to a point, said point being a southeasterly property corner of Tax Account No. 17.-1-27; thence
- C48. Westerly, 6,173 feet more or less, along the southerly Townline to a point, said point being a southwesterly property corner of Tax Account No. 16.-1-14; thence
- C49. Southerly, 735 feet more or less, along an easterly property line of Tax Account No. 16.-1-16 to a point, said point being a southeasterly property corner of Tax Account No. 16.-1-16; thence

- C50. Westerly, 819 feet more or less, along the southerly property line of Tax Account No. 16.-1-16 to a point, said point being a northeasterly property corner of Tax Account No. 16.-1-18.115; thence
- C51. Southerly, 1,604 feet more or less, along the easterly property lines of Tax Account Nos. 16.-1-18.115 and 16.-1-76.21 to a point, said point being a southeasterly property corner of Tax Account No. 16.-1-76.21; thence
- C52. Westerly, 4,311 feet more or less, along the southerly Townline to a point, said point being a southwesterly property corner of Tax Account No. 16.-1-20; thence
- C53. Northerly, 1,030 feet more or less, along the westerly property line of Tax Account No. 16.-1-20 to a point, said point being a northwesterly property corner of Tax Account No. 16.-1-20; thence
- C54. Northeasterly, 1,261 feet more or less, along a northerly property line of Tax Account No. 16.-1-20 to a point, said point being a northwesterly property corner of Tax Account No. 16.-1-20; thence
- C55. Westerly, 1,161 feet more or less, along an easterly extension of the southerly property line of Tax Account No. 16.-1-48.21 to a point, said point being a southwesterly property corner of Tax Account No. 16.-1-48.21; thence
- C56. Northerly, 2,844 feet more or less, along the westerly Townline to a point, said point being a northwesterly property corner of Tax Account No. 16.-1-29.114; thence
- C57. Easterly, 309 feet more or less, along a northerly property line of Tax Account No. 16.-1-29.114 to a point, said point being a southwesterly property corner of Tax Account No. 16.-1-58; thence
- C58. Northerly, 465 feet more or less, along the westerly property line of Tax Account No. 16.-1-58 to a point, said point being a northwesterly property corner of Tax Account No. 16.-1-58; thence
- C59. Westerly, 99 feet more or less, along the southerly Right of Way line of Lyman Road to a point, said point being a northeasterly property corner of Tax Account No. 16.-1-29.2; thence
- C60. Southerly, 169 feet more or less, along the easterly property line of Tax Account No. 16.-1-29.2 to a point, said point being a southeasterly property corner of Tax Account No. 16.-1-29.2; thence
- C61. Westerly, 209 feet more or less, along the southerly property line of Tax Account No. 16.-1-29.2 to a point, said point being a southwesterly property corner of Tax Account No. 16.-1-29.2; thence
- C62. Northerly, 4,311 feet more or less, along the westerly Townline to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-19; thence

- C63. Easterly, 761 feet more or less, along a northerly property line of Tax Account No. 15.-1-19 to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-19; thence
- C64. Northerly, 779 feet more or less, along the westerly property line of Tax Account No. 15.-1-19 to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-19; thence
- C65. Northeasterly, 1,774 feet more or less, along the northerly property lines of Tax Account Nos. 15.-1-19, 15.-1-24.21 and 15.-1-24.112 to a point, said point being a northeasterly property corner of Tax Account No. 15.-1-24.112; thence
- C66. Southerly, 88 feet more or less, along an easterly property line of Tax Account No. 15.-1-24.112 to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-24.12; thence
- C67. Easterly, 235 feet more or less, along the northerly property line of Tax Account No. 15.-1-24.12 to a point, said point being located along a westerly property line of Tax Account No. 15.-1-4; thence
- C68. Northerly, 160 feet more or less, along the westerly property line of Tax Account No. 15.-1-4 to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-4; thence
- C69. Northeasterly, 54 feet more or less, along a northerly property line of Tax Account No. 15.-1-4 to a point, said point being a northeasterly property corner of Tax Account No. 15.-1-4; thence
- C70. Southerly, 32 feet more or less, along a westerly property line of Tax Account No. 15.-1-4 to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-4; thence
- C71. Southeasterly, 138 feet more or less, along a northerly property line of Tax Account No. 15.-1-4 to a point, said point being a northeasterly property corner of Tax Account No. 15.-1-4; thence
- C72. Northerly, 97 feet more or less, along a westerly property line of Tax Account No. 15.-1-4 to a point, said point being a northwesterly property corner of Tax Account No. 15.-1-4; thence
- C73. Northeasterly, 2,455 feet more or less, along the northerly property lines of Tax Account Nos. 15.-1-4, 15.-1-5.111 and 15.-1-5.112 to a point, said point being the point of beginning.

End of Boundary description of Area C

The following properties are not included in the Water Improvement Benefit Area:

#15.-1-12; #16.-1-24.2; #16.-1-45; #16.-1-55;

#16.-1-56; #16.-1-57; #17-1-28.212

**BOUNDARY DESCRIPTION
FOR THE TOWN OF BERGEN
WATER IMPROVEMENT BENEFIT AREA #1
GENESSEE COUNTY, NEW YORK
MAY 16, 2019**



The **Town of Bergen Water Improvement Area #1, Area D**, shall have an exterior boundary described as follows:

Beginning at a point, said point being the northwesterly property corner of Tax Account No. 13.-1-40.12; thence

- D1. Easterly, 377 feet more or less, along a northerly property line of Tax Account No. 13.-1-40.12 to a point, said point being a northeasterly property corner of Tax Account No. 13.-1-40.12; thence
- D2. Southwesterly, 258 feet more or less, along an easterly property line of Tax Account No. 13.-1-40.12 to a point, said point being a southeasterly property corner of Tax Account No. 13.-1-40.12; thence
- D3. Westerly, 320 feet more or less, along a southerly property line of Tax Account No. 13.-1-40.12 to a point, said point being a southwesterly property corner of Tax Account No. 13.-1-40.12; thence
- D4. Northwesterly, 64 feet more or less, along a southerly property line of Tax Account No. 13.-1-40.12 to a point, said point being a westerly property corner of Tax Account No. 13.-1-40.12; thence
- D5. Northeasterly, 232 feet more or less, along a westerly property line of Tax Account No. 13.-1-40.12 to a point, said point being the point of beginning.

End of Boundary Description of Area D

APPENDIX B
PROJECT AREA PHOTOGRAPHS



Route 33 at Dublin Road looking Northeasterly.



Route 33 at Dublin Road looking Southerly.



Route 33 at Dublin Road looking Southwestly.



Route 33 at Jerico Road looking Northeasterly.



Route 33 at Jerico Road looking Southerly.



Route 33 at Jerico Road looking Southwesterly.



Route 33 looking Northeastly towards West Bergen Road.



Old State Road at Gilbert Road looking Northeastly.



Old State Road at School Road looking Southwesterly.



Old State Road at School Road looking Southerly.



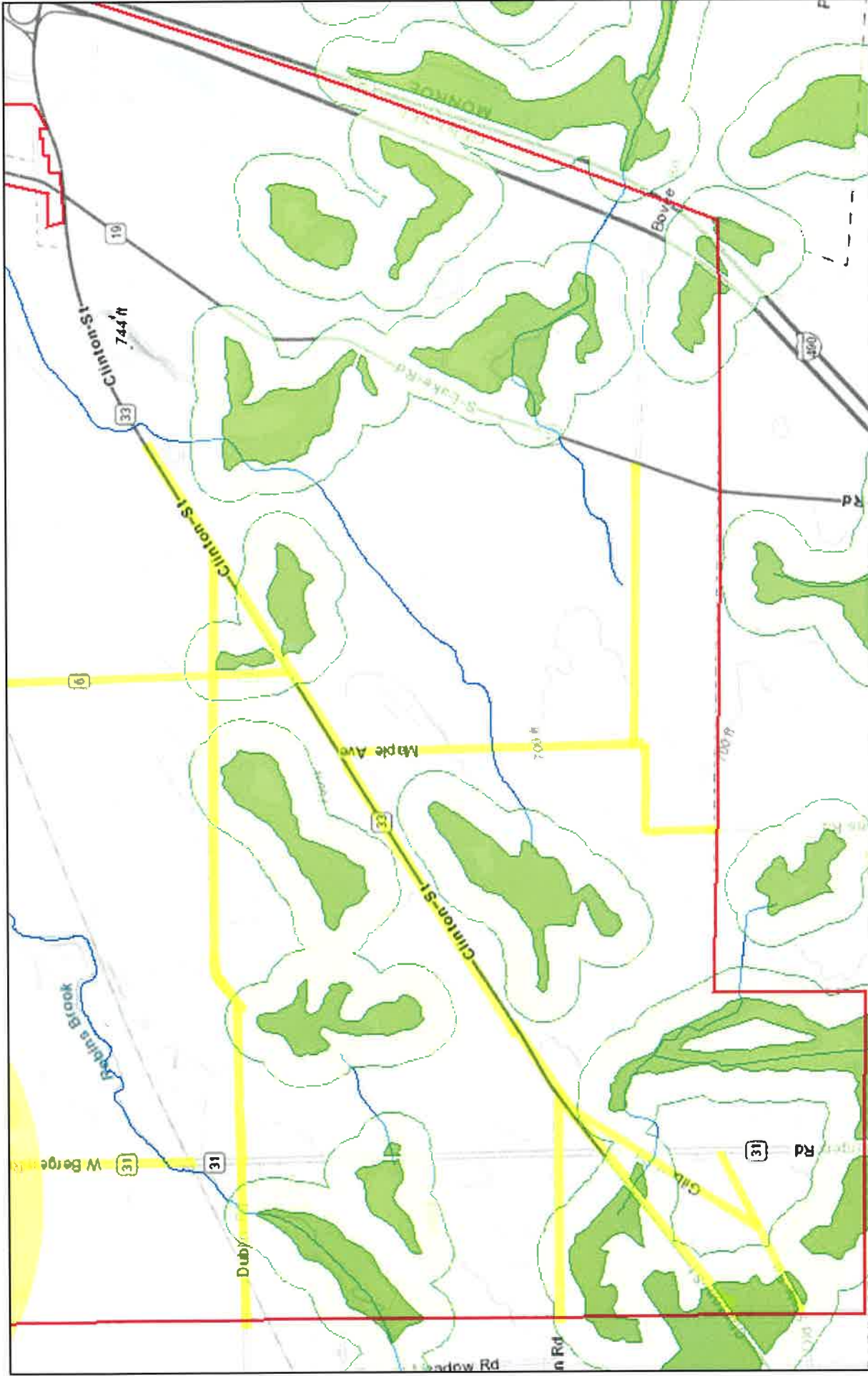
School Road at LeRoy Town line looking Southerly.



School Road at LeRoy Town line looking Northerly.

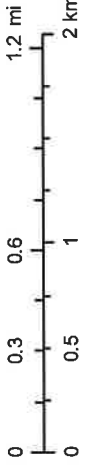
APPENDIX C
WETLAND MAPS

Bergen WD#4



September 24, 2018

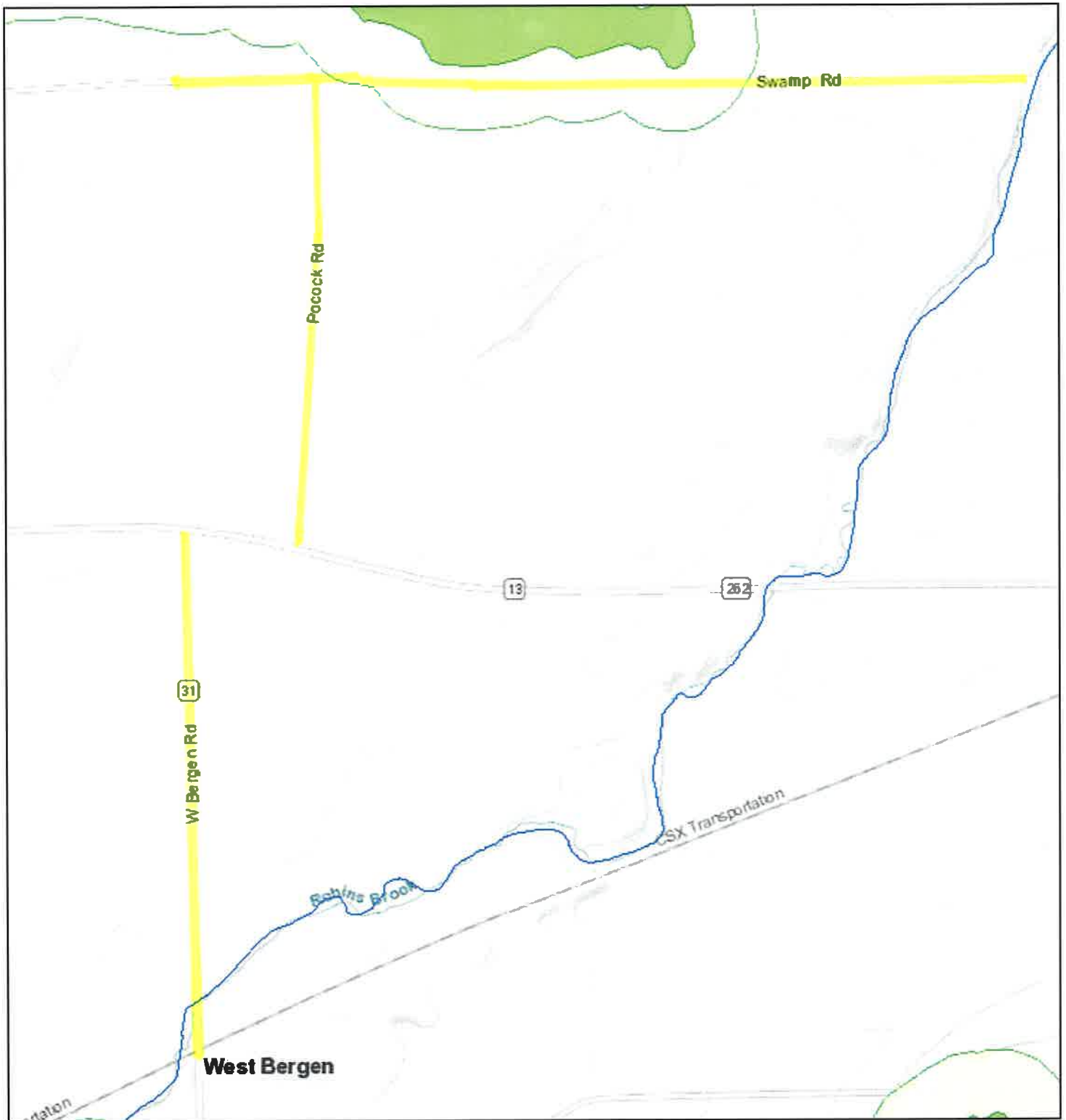
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Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri

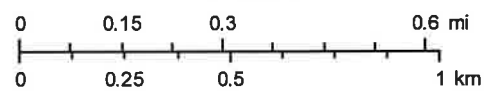
NYS Department of Environmental Conservation
Not a legal document

Bergen WD#4



September 24, 2018

1:18,056



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), swisstopo, OpenStreetMap contributors, and the GIS User Community

Bergen WD#4



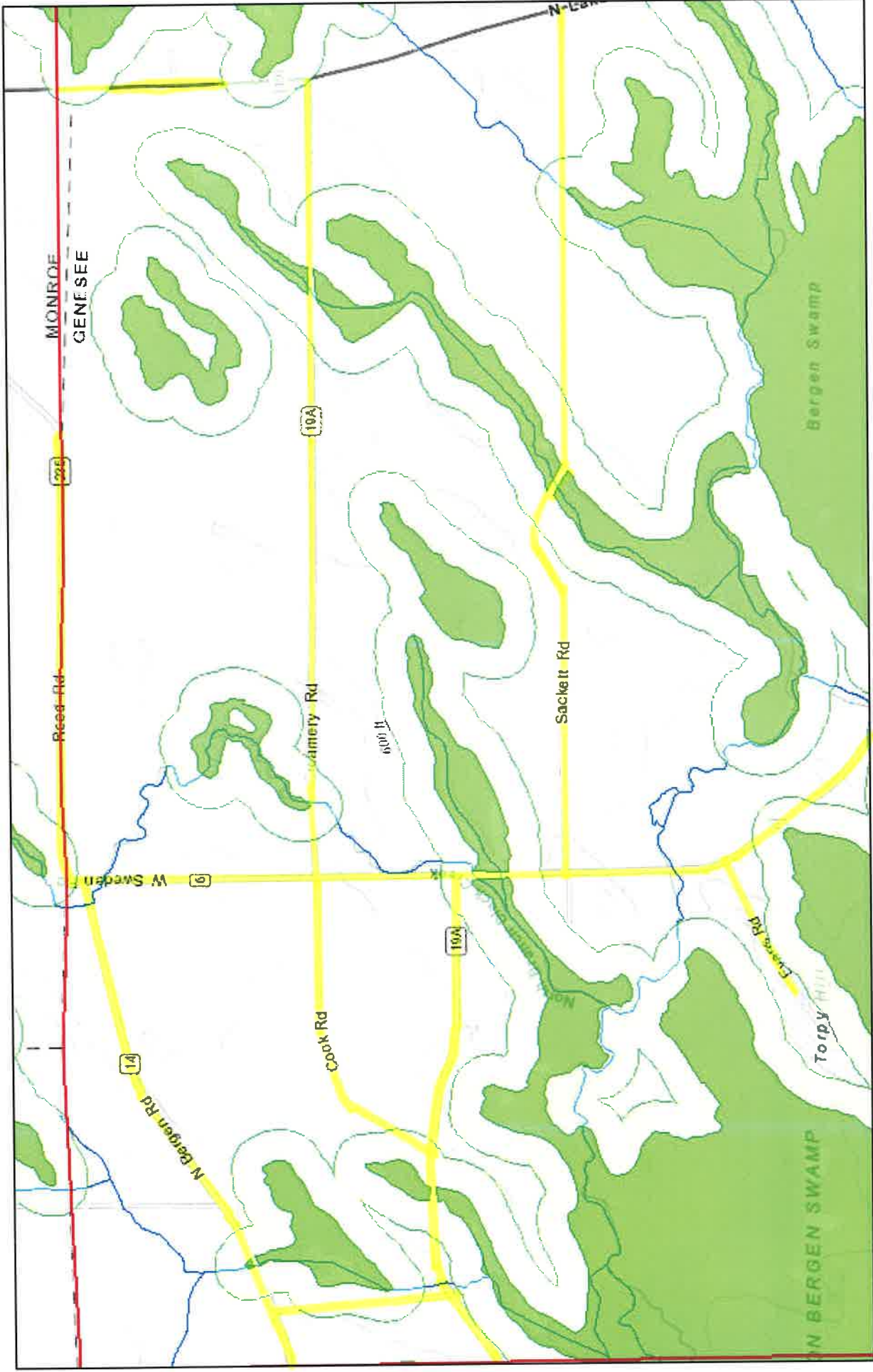
September 25, 2018

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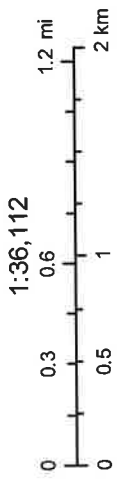


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri

Bergen WD#4



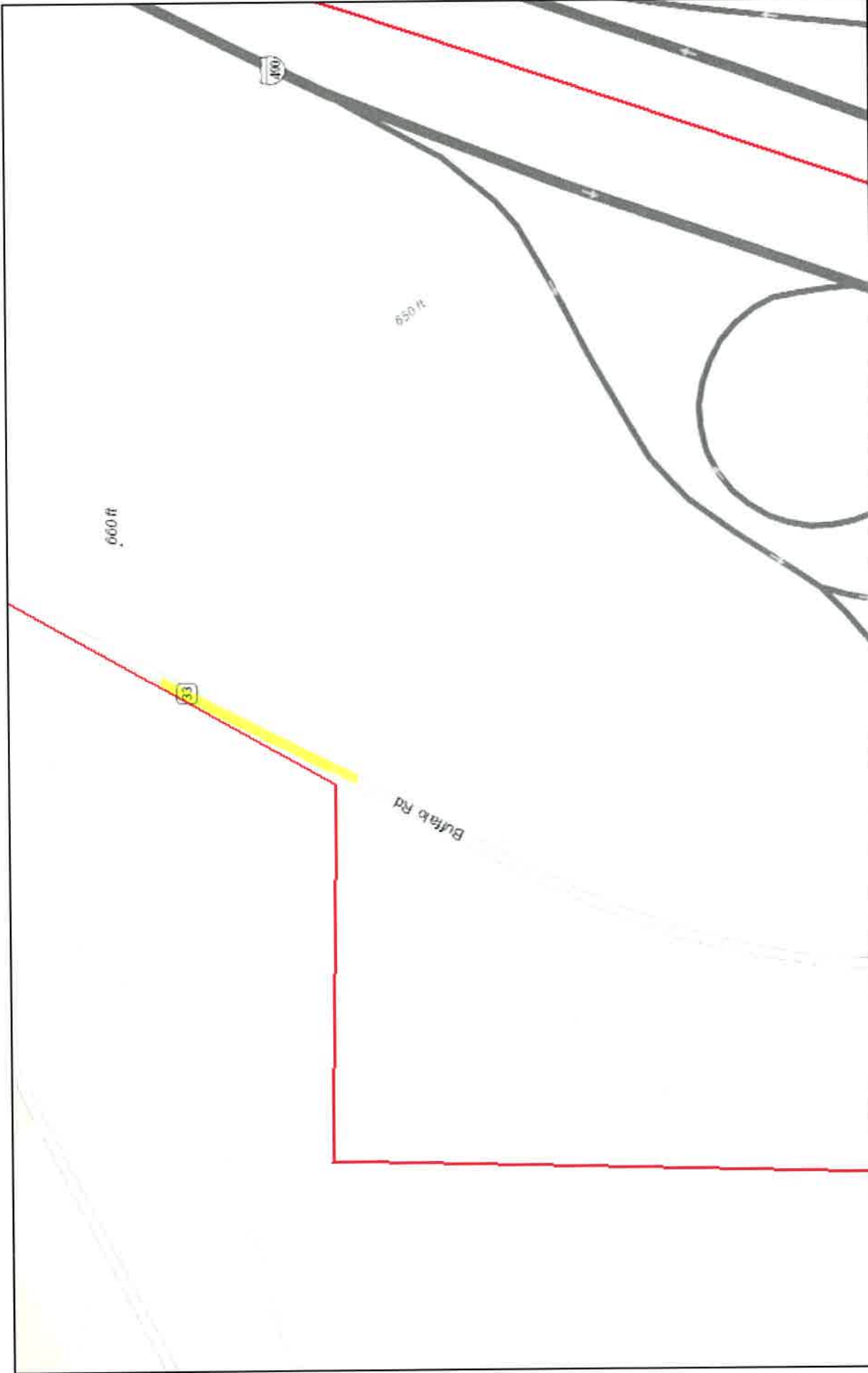
September 25, 2018



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri

NYS Department of Environmental Conservation
Not a legal document

Bergen WD#4



September 24, 2018

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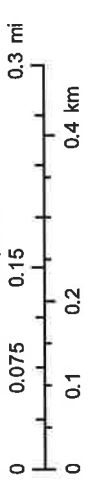
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri

Bergen WD#4



September 24, 2018

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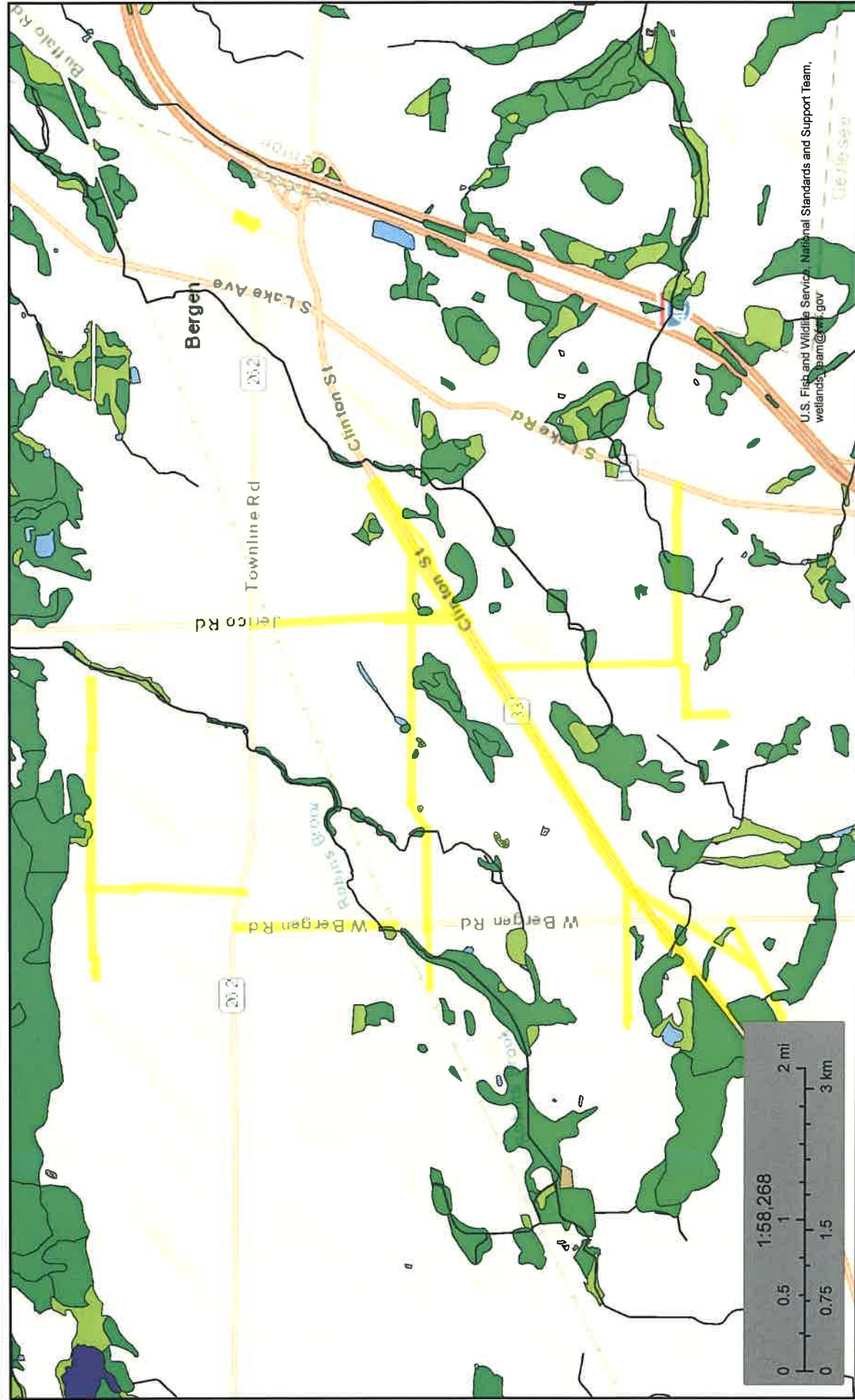


Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri



U.S. Fish and Wildlife Service National Wetlands Inventory

Bergen WD#4 National Wetlands 1



U.S. Fish and Wildlife Service, National Standards and Support Team, wetlands_team@fws.gov

September 24, 2018

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

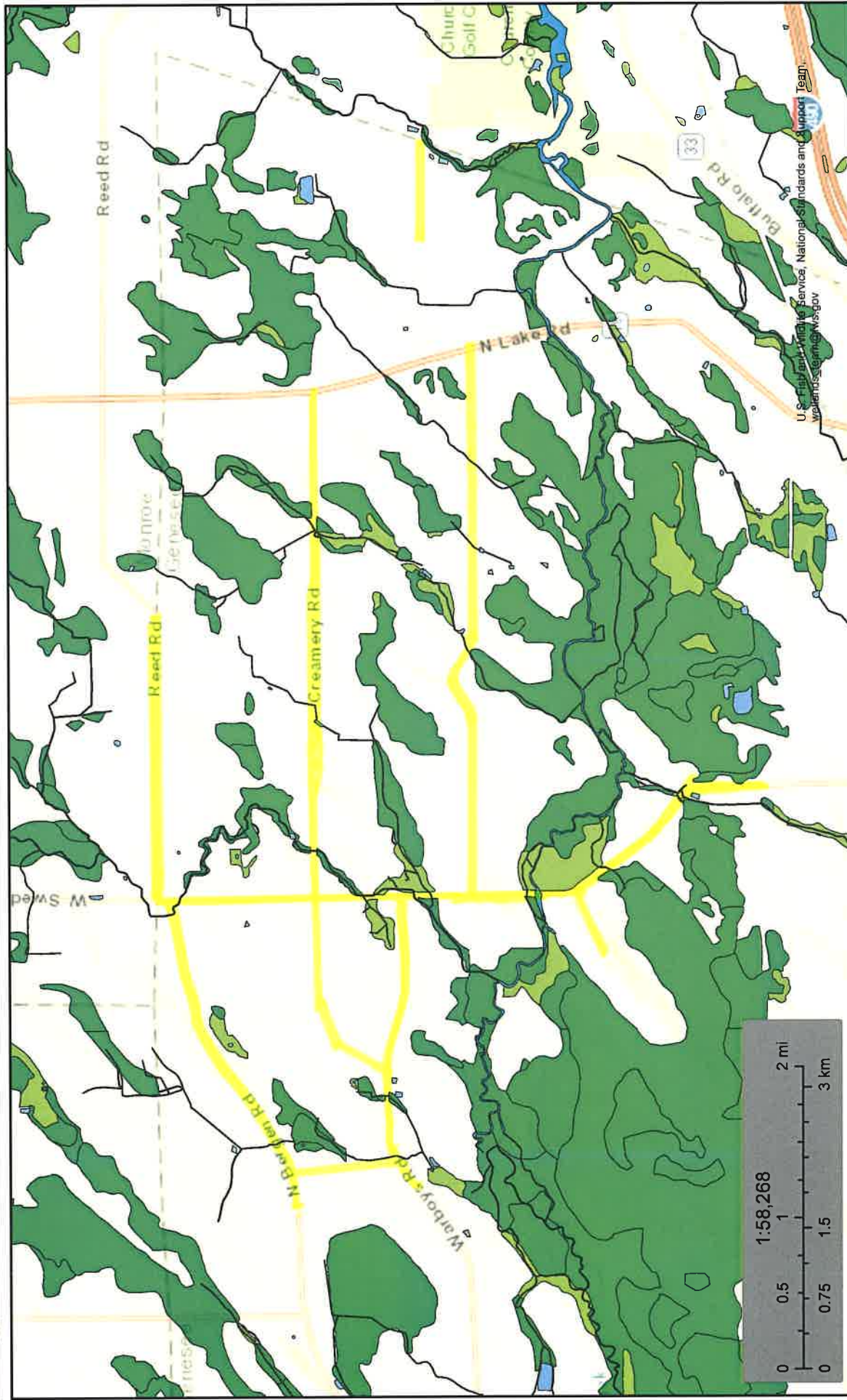
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.



U.S. Fish and Wildlife Service

National Wetlands Inventory

Bergen WD#4 National Wetlands 2



This map is for general reference only. The U.S. Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

September 24, 2018

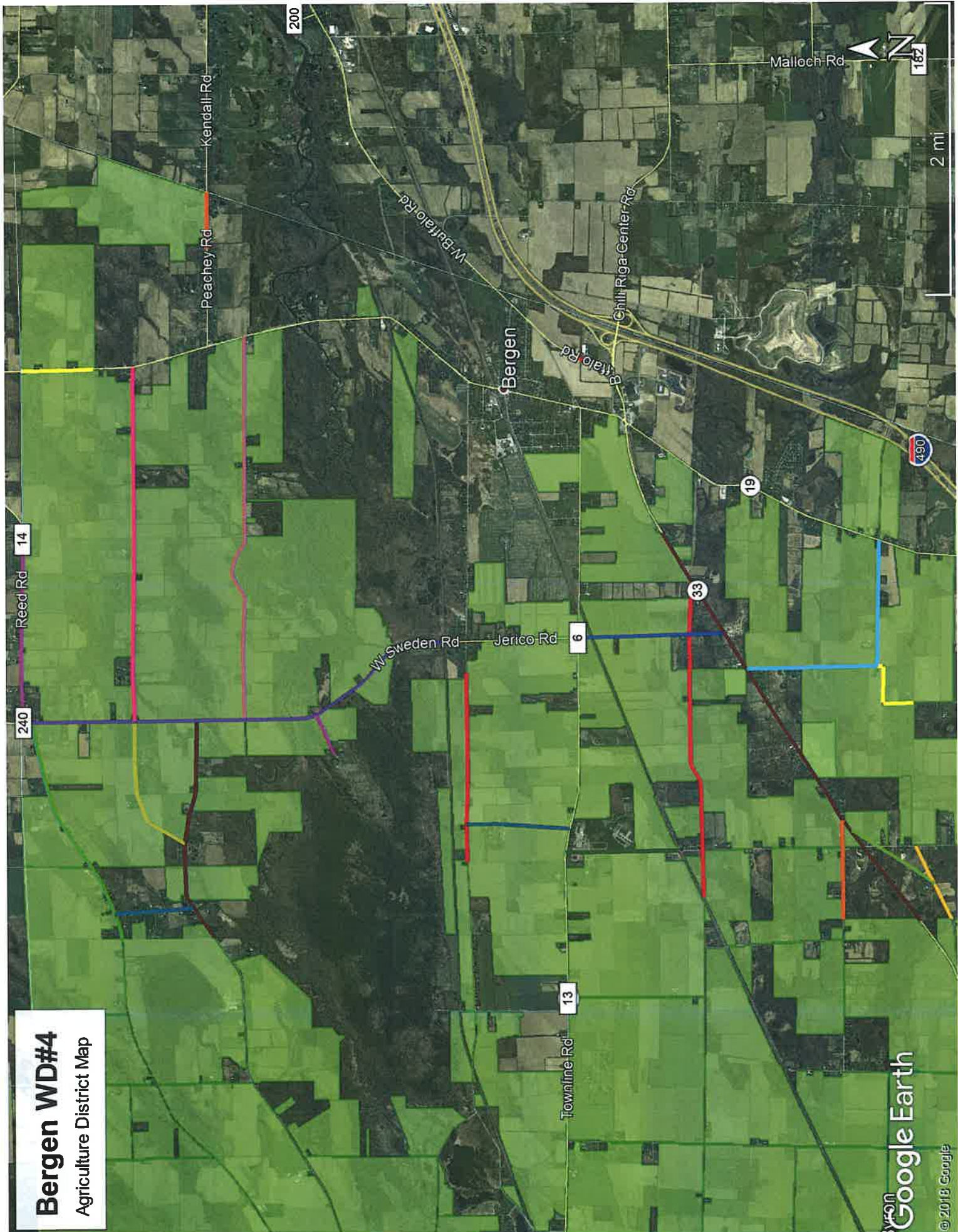
Wetlands

-  Estuarine and Marine Deepwater
-  Estuarine and Marine Wetland
-  Freshwater Emergent Wetland
-  Freshwater Forested/Shrub Wetland
-  Freshwater Pond
-  Lake
-  Other
-  Riverine

APPENDIX D
GENESEE COUNTY AGRICULTURAL DISTRICT MAPS

Bergen WD#4

Agriculture District Map



APPENDIX E
LIST OF PARCELS IN WATER DISTRICT

Appendix E
List of Parcels in Bergen WIBA No. 1

SBL	Pr. Class	Units	Ag Dist.	St #	St Name	Acres	Total AV	Land AV	First Name	Owner Last Name	H2O Code
13.-1-40.12	546	1		8240	Buffalo		\$ 320,000	\$ -		Imagination Industries, LI	WIBA01
16.-1-48.1	270	1		7022	Clinton St	3	\$ 44,300	\$ 17,800	Timothy	Herget	WIBA01
16.-1-33	270	1		7134	Clinton St	0.7	\$ 69,000	\$ 11,200	John	Goutermout	WIBA01
16.-1-27	210	1		7137	Clinton St	1.4	\$ 145,000	\$ 16,600	Shawn	McAlister	WIBA01
16.-1-28	210	1		7147	Clinton St	1.15	\$ 109,000	\$ 16,200	Irene R.	Fink	WIBA01
16.-1-68.1	210	1		7161	Clinton St	5	\$ 169,000	\$ 19,600	Fredit	Pomales	WIBA01
16.-1-31.1	210	1		7232	Clinton St	0.77	\$ 79,500	\$ 13,800	Brian	Frew	WIBA01
16.-1-30	312	0.5		7244	Clinton St	0	\$ 3,000	\$ 2,500	James	Dourie	WIBA01
16.-1-38.2	210	1		7286	Clinton St	1.1	\$ 74,400	\$ 16,200	Elizabeth	Weber	WIBA01
16.-1-6	242	3		7316	Clinton St	57.7	\$ 475,600	\$ 119,600	Pasquale	Capomaccio	WIBA01
16.-1-5.2	310	0.5		7343	Clinton St	1.5	\$ 10,400	\$ 10,400	Lee	Capomaccio	WIBA01
16.-1-7	210	1		7360	Clinton St	0	\$ 79,300	\$ 14,300	Lee	Capomaccio	WIBA01
16.-1-5.11	242	1		7373	Clinton St	12.8	\$ 251,200	\$ 33,700	Dominick	Camelio	WIBA01
16.-1-8.2	210	1		7381	Clinton St	1	\$ 179,000	\$ 16,000	Gregory	DiQuattro	WIBA01
14.-1-22	475	1		7393	Clinton St	57.3	\$ 360,000	\$ 49,700	Agatha	Martino	WIBA01
16.-1-9	105	0	Y	7402	Clinton St	51	\$ 115,300	\$ 115,300	Richard	Stacy	WIBA01
14.-1-18.111	312	0.5		7446	Clinton St	5	\$ 31,700	\$ 22,000	James	Oehler	WIBA01
14.-1-18.121	210	1		7450	Clinton St	5	\$ 235,000	\$ 19,600	Aaron	Bresler	WIBA01
14.-1-19.1	310	0.5		7453	Clinton St	5.3	\$ 20,100	\$ 20,100	James	Oehler	WIBA01
14.-1-19.2	310	0.5		7457	Clinton St	5.2	\$ 21,900	\$ 21,900	James	Oehler	WIBA01
14.-1-18.112	210	1		7470	Clinton St	5	\$ 293,700	\$ 25,000	Pamela	Krause	WIBA01
14.-1-18.122	310	0.5		7476	Clinton St	5	\$ 21,900	\$ 21,900	James	Oehler	WIBA01
14.-1-33	310	0.5		7496	Clinton St	5.1	\$ 21,900	\$ 21,900	James	Oehler	WIBA01
14.-1-20.12	210	1		7501	Clinton St	7.54	\$ 149,000	\$ 24,400	Jeffrey	Benstead	WIBA01
14.-1-34	310	0.5		7502	Clinton St	7.2	\$ 25,000	\$ 25,000	Karen	Zwerka-Snyder	WIBA01
14.-1-17.111	210	1		7512	Clinton St	1.87	\$ 158,700	\$ 17,300	Karen	Zwerka	WIBA01
14.-1-17.112	210	1		7520	Clinton St	2.32	\$ 171,400	\$ 18,000	Gregory	Boehly	WIBA01
14.-1-17.12	210	1		7530	Clinton St	1.83	\$ 128,900	\$ 17,200	Jeremy	Brown	WIBA01
14.-1-20.111	312	0.5		7569	Clinton St	35.04	\$ 106,100	\$ 67,100	Lee	Capomaccio	WIBA01
14.-1-20.2	210	1		7575	Clinton St	1.34	\$ 79,700	\$ 16,500	Richard	Stacy	WIBA01
17.-1-54.1	210	1		7601	Clinton St	5	\$ 153,000	\$ 22,000	Rick	Hubbard	WIBA01
17.-1-54.2	210	1		7615	Clinton St	4.4	\$ 168,000	\$ 21,100	Virginia	Grapensteter	WIBA01
17.-1-55	314	0.5		7629	Clinton St	7.8	\$ 22,200	\$ 22,200	Virginia	Grapensteter	WIBA01
17.-1-56.2	314	0.5		7651	Clinton St	1.3	\$ 14,100	\$ 14,100	Jay	Whalin	WIBA01
17.-1-2	475	1		7652	Clinton St	35.4	\$ 321,400	\$ 50,600		Metalico Rochester, Inc.	WIBA01
17.-1-3	210	1		7682	Clinton St	5.9	\$ 138,000	\$ 23,400	Patrick	Camelio	WIBA01
17.-1-4	242	1		7743	Clinton St	24.8	\$ 96,600	\$ 48,900	Dennis	Ladd	WIBA01

**Appendix E
List of Parcels in Bergen WIBA No. 1**

17.-1-5	210	1		7744	Clinton St	4.4	\$	86,700	\$	21,100	Alan	Stevens	WIBA01
17.-1-6	416	10		7762	Clinton St	2.1	\$	170,000	\$	130,000	Marin	Dilcher	WIBA01
14.-1-15	105	0	Y		Clinton St	17	\$	64,600	\$	64,600	Richard	Stacy	WIBA01
14.-1-20.112	314	0.5			Clinton St	1.8	\$	2,700	\$	2,700	Lee	Capomaccio	WIBA01
14.-1-21	320	0.5			Clinton St	1.2	\$	1,800	\$	1,800	Agatha	Martino	WIBA01
14.-1-30	314	0.5			Clinton St	3.2	\$	12,800	\$	12,800	Marin	Dilcher	WIBA01
16.-1-25.2	320	0.5			Clinton St	2	\$	15,100	\$	15,100	Dorothy	Lamkin	WIBA01
16.-1-26	311	0.5			Clinton St	15	\$	6,200	\$	6,200	James	Gilbert	WIBA01
16.-1-29.114	322	0.5			Clinton St	16.65	\$	15,000	\$	15,000	Roger V.	Rouse	WIBA01
16.-1-39	320	0.5			Clinton St	0.04	\$	100	\$	100	Wayne	Keller	WIBA01
16.-1-4	322	0.5			Clinton St	17.3	\$	23,400	\$	23,400	Lee	Capomaccio	WIBA01
16.-1-48.21	322	0.5			Clinton St	19.9	\$	31,600	\$	31,600	Timothy	Herget	WIBA01
16.-1-5.12	311	0.5			Clinton St	0	\$	4,000	\$	4,000	Lee	Capomaccio	WIBA01
16.-1-68.2	322	0.5			Clinton St	22	\$	19,800	\$	19,800	Fredit	Pomales	WIBA01
16.-1-8.1	320	0.5			Clinton St	2.9	\$	3,500	\$	3,500	Agatha	Martino	WIBA01
17.-1-7	105	0.5	N		Clinton St	55.2	\$	48,500	\$	48,500	Martin	Dilcher	WIBA01
13.-1-15	314	0	Y		Clinton St	6.6	\$	13,000	\$	13,000	Thomas	Fodge	WIBA01
14.-1-30	314	0.5	N		Clinton St	3.2	\$	12,000	\$	12,000	Martin	Dilcher	WIBA01
16.-1-13.12	210	1		7545	Connelly	0	\$	97,000	\$	16,000	John	Peevey	WIBA01
16.-1-13.2	210	1		7565	Connelly	1.1	\$	98,000	\$	16,200	Daniel	Utter	WIBA01
16.-1-13.11	241	1		7603	Connelly	30.7	\$	292,000	\$	68,200	Deanna	Page	WIBA01
16.-1-14	105	0	Y		Connelly	64.5	\$	205,600	\$	205,600		Farm Market Properties, I	WIBA01
9.-1-51.22	310	0.5		7251	Cook	5	\$	19,600	\$	19,600	David	Mason	WIBA01
9.-1-81	241	1		7327	Cook	80.7	\$	423,900	\$	230,300	Robyn	Brookhart	WIBA01
9.-1-47.111	210	1		7338	Cook	7.66	\$	170,000	\$	23,600	Christopher	Jolliff	WIBA01
9.-1-47.112	210	1		7346	Cook	6.07	\$	145,000	\$	23,600	Aaron	Wild	WIBA01
9.-1-94	210	1		7354	Cook	6.1	\$	198,900	\$	23,700	Dennis	Crowe	WIBA01
9.-1-47.12	210	1		7362	Cook	4.8	\$	114,900	\$	21,700	Thomas	Stephens	WIBA01
9.-1-47.2	210	1		7378	Cook	4.9	\$	130,000	\$	21,900	Keith	Bettis	WIBA01
9.-1-46.12	210	1		7386	Cook	8.61	\$	162,000	\$	27,400	Harold	Richards	WIBA01
9.-1-48.1	105	0	Y		Cook	61.5	\$	175,800	\$	175,800	Michael	Brookhart	WIBA01
9.-1-48.2	105	0	Y		Cook	6	\$	17,500	\$	17,500	Revocable Tru	Toby L. Cook	WIBA01
9.-1-49	105	0	Y		Cook	17.6	\$	64,400	\$	64,400	Robyn	Brookhart	WIBA01
9.-1-40	210	1		7497	Creamery	0	\$	83,600	\$	8,700	David	Miller	WIBA01
9.-1-91	210	1		7501	Creamery	1.4	\$	179,500	\$	22,400	Aubrey	Beverly	WIBA01
9.-1-45.12	210	1		7507	Creamery	1.95	\$	116,500	\$	17,400	Ira	Johnson	WIBA01
9.-1-87.1	210	1		7545	Creamery	4.5	\$	148,300	\$	21,300	Lois	Stevenson	WIBA01
9.-1-82.2	210	1		7568	Creamery	8	\$	115,000	\$	26,500	Jeffrey	Aradine	WIBA01

Appendix E
List of Parcels in Bergen WIBA No. 1

9.-1-35.2	210	1	7575	Creamery	4.7	\$	145,900	\$	21,600	Richard	Aradine	WIBA01
9.-1-85	210	1	7589	Creamery	4.75	\$	164,500	\$	21,600	John	Richardson	WIBA01
9.-1-35.1	210	1	7601	Creamery	4.73	\$	111,600	\$	30,900	Carol	Giblin	WIBA01
9.-1-82.1	241	1	7640	Creamery	78.7	\$	388,200	\$	198,000	Philip	McMahon	WIBA01
9.-1-36.2	210	1	7664	Creamery	4.8	\$	213,400	\$	21,700	David	Aradine	WIBA01
9.-1-86	210	1	7667	Creamery	4.7	\$	183,000	\$	22,000	Wendy	Klapp	WIBA01
8.-1-32.1	210	1	7702	Creamery	4.6	\$	109,400	\$	21,400	Patricia	Aradine	WIBA01
8.-1-32.2	241	1	7714	Creamery	20	\$	147,300	\$	52,300	Robert/Jacq	Aradine	WIBA01
9.-1-33.2	210	1	7735	Creamery	4.8	\$	21,700	\$	21,700	Douglas	Cullum	WIBA01
8.-1-31.2	210	1	7740	Creamery	1.14	\$	151,900	\$	16,200	Brian	Moucha	WIBA01
8.-1-2.122	210	1	7741	Creamery	4.96	\$	176,700	\$	27,900	Jeffrey	Aradine	WIBA01
8.-1-2.21	210	1	7795	Creamery	0	\$	161,000	\$	16,600	Daryl	Bater	WIBA01
8.-1-2.111	241	1	7799	Creamery	68	\$	379,700	\$	257,700	Kevin	Aradine	WIBA01
8.-1-34.2	210	1	7868	Creamery	4.8	\$	158,000	\$	21,700	Christopher	Fay	WIBA01
8.-1-35	242	1	7922	Creamery	37.4	\$	77,100	\$	36,200	Anne	Van Skiver	WIBA01
8.-1-4.11	105	0	7933	Creamery	125.3	\$	378,000	\$	368,000	Anne	Van Skiver	WIBA01
8.-1-26	242	1	8000	Creamery	29.3	\$	159,000	\$	41,500	Charles	Cleveland	WIBA01
8.-1-4.12	210	1	8005	Creamery	4.2	\$	156,600	\$	20,800	Michael	Starowitz	WIBA01
8.-1-9.2	210	1	8021	Creamery	1.5	\$	137,500	\$	16,800	Jadwiga	Syfert	WIBA01
8.-1-13.113	105	0	8022	Creamery	44.2	\$	159,400	\$	159,400	Richard	CY Properties, LLC	WIBA01
8.-1-44	105	0	8022	Creamery	7	\$	74,600	\$	37,600	Richard	Dool	WIBA01
8.-1-40	220	2	8027	Creamery	1.63	\$	148,000	\$	16,900	Charles	Equity Trust Co,Custodial	WIBA01
8.-1-9.11	241	1	8045	Creamery	63.6	\$	371,100	\$	203,300	Charles	Redinger	WIBA01
8.-1-13.12	210	1	8076	Creamery	1	\$	184,000	\$	17,600	Jeffrey	Maurer	WIBA01
8.-1-13.2	210	1	8080	Creamery	1	\$	175,400	\$	16,000	Allen	Murray	WIBA01
8.-1-9.12	241	1	8089	Creamery	19.6	\$	143,800	\$	40,300	Thomas	Whittaker	WIBA01
8.-1-10.1	210	1	8095	Creamery	3.2	\$	154,400	\$	18,300	Scott Michael	Dickson	WIBA01
8.-1-13.112	210	1	8100	Creamery	5.3	\$	165,000	\$	22,500	Anthony	Donato	WIBA01
8.-1-2.121	105	0		Creamery	76.38	\$	219,100	\$	219,100	Jeffrey	Aradine	WIBA01
8.-1-31.1	105	0		Creamery	36.36	\$	109,300	\$	109,300	David	Aradine	WIBA01
8.-1-33	105	0		Creamery	83.1	\$	208,200	\$	208,200	David	Star Growers Lands, LLC	WIBA01
8.-1-34.1	105	0		Creamery	54.6	\$	170,700	\$	170,700	Jeffrey	Zuber Brothers, LLC	WIBA01
9.-1-33.11	105	0		Creamery	24.9	\$	80,000	\$	80,000	Jeffrey	Aradine	WIBA01
9.-1-33.12	105	0		Creamery	29.8	\$	53,500	\$	53,500	Craig	Stevens	WIBA01
9.-1-34	314	0.5		Creamery	9.7	\$	38,800	\$	38,800	David	Aradine	WIBA01
9.-1-36.1	105	0		Creamery	27.6	\$	42,400	\$	42,400	David	Aradine	WIBA01
9.-1-39.2	695	0.5		Creamery	0.6	\$	10,800	\$	10,800	Stephen	North Bergen Cemetery	WIBA01
9.-1-87.2	105	0		Creamery	24.8	\$	58,600	\$	58,600	Stephen	Starowitz	WIBA01

Appendix E
List of Parcels in Bergen WIBA No. 1

15.-1-24.21	210	1	7183	Dublin	7.3	\$	109,700	\$	25,500	Gerald	VanStreader	WIBA01
15.-1-24.112	210	1	7199	Dublin	3.08	\$	106,500	\$	19,100	William	Powell	WIBA01
15.-1-8.2	210	1	7240	Dublin	1.61	\$	145,900	\$	16,900	Steven	Lashbrook	WIBA01
15.-1-6	270	1	7243	Dublin	1.3	\$	56,500	\$	20,800	Dennis Linn	Walker	WIBA01
15.-1-5.111	241	1	7267	Dublin	30	\$	155,700	\$	90,300	James	Bellavia	WIBA01
15.-1-5.112	241	1	7299	Dublin	32.4	\$	182,500	\$	71,400	Robert	Gluckman	WIBA01
14.-1-24.11	210	1	7536	Dublin	29	\$	166,000	\$	47,200	Virginia	Casper	WIBA01
14.-1-28.2	210	1	7551	Dublin	1.03	\$	200,000	\$	18,000	Eric	Mercovich	WIBA01
14.-1-16.2	210	1	7552	Dublin	5.7	\$	162,000	\$	23,100	Dennis	Burke	WIBA01
14.-1-28.1	241	2	7559	Dublin	30.4	\$	244,800	\$	94,000	John	Swapceinski	WIBA01
14.-1-27.2	210	1	7567	Dublin	1.4	\$	206,000	\$	16,600	Peggy	Swapceinski	WIBA01
14.-1-25	210	1	7599	Dublin	2.5	\$	114,900	\$	18,300	Robert	Redinger	WIBA01
17.-1-1.111	314	0.5	7600	Dublin	6.3	\$	21,600	\$	21,600	Henry Lee	Herbert	WIBA01
14.-1-26	210	1	7607	Dublin	1.9	\$	126,000	\$	17,400	Basil	Whitney	WIBA01
14.-1-14.2	210	1	7615	Dublin	3.7	\$	155,800	\$	29,500	Margaret	Raley	WIBA01
17.-1-1.2	314	0.5	7618	Dublin	6.3	\$	21,600	\$	21,600	Henry Lee	Herbert	WIBA01
14.-1-14.12	210	1	7625	Dublin	1.3	\$	193,000	\$	16,500	Scott	Langdon	WIBA01
17.-1-1.122	314	0.5	7626	Dublin	3.2	\$	19,300	\$	19,300	Mathew	Brew	WIBA01
17.-1-1.121	210	1	7634	Dublin	3.07	\$	129,000	\$	15,200	Mark	Vallese	WIBA01
14.-1-14.112	210	1	7635	Dublin	1.3	\$	135,000	\$	16,500	Jennifer	Hoehn	WIBA01
14.-1-32	210	1	7645	Dublin	1.3	\$	143,000	\$	16,500	Gerald	Stevens	WIBA01
17.-1-1.112	314	0.5	7652	Dublin	5.3	\$	16,800	\$	16,800	Lee	Capomaccio	WIBA01
14.-1-12.12	210	1	7751	Dublin	1.1	\$	172,000	\$	16,200	Garrett	Dean	WIBA01
14.-1-16.1	105	0		Dublin	31.4	\$	13,500	\$	13,500	John	Swapceinski	WIBA01
14.-1-27.1	105	0		Dublin	10.2	\$	31,600	\$	31,600	John	Swapceinski	WIBA01
15.-1-5.12	311	0.5		Dublin	2.54	\$	3,800	\$	3,800	Dennis Linn	Walker	WIBA01
15.-1-8.12	322	0.5		Dublin	16.3	\$	52,700	\$	52,700	Gary	Donofrio	WIBA01
15.-1-9	105	0		Dublin	21.3	\$	52,700	\$	52,700	John	Swapceinski	WIBA01
15.-1-8.112	312	0.5	7250	Dublin	2.4	\$	24,300	\$	18,100	Gary	Donofrio	WIBA01
11.-1-29.12	312	0.5	7392	Evans	0.8	\$	26,500	\$	12,800	John	Frederick	WIBA01
11.-1-12.2	210	1	7397	Evans	4.9	\$	159,800	\$	20,100	Michael	Volkmar	WIBA01
11.-1-27	210	1	7412	Evans	9.6	\$	206,500	\$	25,700	William	Buell	WIBA01
11.-1-28.2	210	1	7413	Evans	1.27	\$	129,400	\$	16,400	Marjorie	Busmire	WIBA01
11.-1-25.2	312	0.5	7448	Evans	12.75	\$	52,400	\$	26,600	William	Buell	WIBA01
11.-1-25.1	114	0	7460	Evans	18.9	\$	121,100	\$	71,000	Benjamin	Sandow	WIBA01
11.-1-28.1	105	0.5	7463	Evans	36.9	\$	64,300	\$	57,700	Benjamin	Sandow	WIBA01
11.-1-12.1	312	0.5		Evans	25.9	\$	49,300	\$	23,300	Michael	Volkmar	WIBA01
11.-1-24	105	0.5		Evans	0.43	\$	500	\$	500	Richard	Sands	WIBA01

Appendix E
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16.-1-38.12	210	1	7523	Gilbert	2.3	\$	179,000	\$	18,000	Gary	Drake	WIBA01
16.-1-38.112	210	1	7527	Gilbert	1.5	\$	164,000	\$	16,800	Donald	Spielberger	WIBA01
16.-1-70	210	1	7531	Gilbert	1.7	\$	143,500	\$	17,100	Lonnie	Godat	WIBA01
16.-1-24.111	312	0.5	7561	Gilbert	10.2	\$	38,800	\$	27,400	Marlin	Dilcher	WIBA01
16.-1-47.1	210	1	7660	Gilbert	7.1	\$	151,300	\$	25,200	Tammy	Amesbury	WIBA01
16.-1-49.122	270	1	7666	Gilbert	2.26	\$	52,100	\$	17,900	Mark	Kramer	WIBA01
16.-1-49.121	210	1	7678	Gilbert	2.73	\$	119,000	\$	16,700	Harry	Kramer	WIBA01
16.-1-49.21	210	1	7682	Gilbert	1.44	\$	138,200	\$	16,700	Scott	Paasch	WIBA01
16.-1-25.1	314	0.5	7640	Gilbert	8.7	\$	25,500	\$	25,500	John	Goutermout	WIBA01
16.-1-38.111	105	0		Gilbert Rd. & 33	15	\$	28,400	\$	28,400	Wayne	Keller	WIBA01
14.-1-8.2	210	1	7022	Jerico	2.59	\$	179,000	\$	18,400	Wayne	Drosky	WIBA01
14.-1-8.12	210	1	7038	Jerico	8.3	\$	163,000	\$	33,500	John	Corrado	WIBA01
14.-1-9.1	210	1	7052	Jerico	0.8	\$	139,900	\$	17,200	Robert	Johnston	WIBA01
14.-1-14.111	210	1	7130	Jerico	5.9	\$	172,000	\$	23,400	Timothy	Brady	WIBA01
17.-1-56.12	210	1	7208	Jerico	2.3	\$	134,300	\$	18,000	Dennis	Paulhamus	WIBA01
17.-1-56.11	210	1	7212	Jerico	1.8	\$	129,800	\$	17,200	Jay	Whalin	WIBA01
14.-1-8.111	105	0		Jerico	48	\$	163,100	\$	163,100		Zuber Brothers, LLC	WIBA01
16.-1-29.2	210	1	7090	Lyman	3.2	\$	165,000	\$	19,300	Gerald	Shippers	WIBA01
16.-1-58	210	1	7114	Lyman	2.1	\$	177,000	\$	17,700	Richard	Menzie	WIBA01
16.-1-66	314	0.5	7122	Lyman	0	\$	16,000	\$	16,000	Todd	Shuskey	WIBA01
16.-1-65	210	1	7130	Lyman	0	\$	173,000	\$	16,000	Todd	Shuskey	WIBA01
16.-1-1.12	210	1	7133	Lyman	2.6	\$	124,000	\$	18,400	Michael	Crandall	WIBA01
16.-1-64	210	1	7138	Lyman	0	\$	169,100	\$	16,000	Timothy	Squire	WIBA01
16.-1-1.112	210	1	7141	Lyman	2.6	\$	120,000	\$	18,400	Randy	Besaw	WIBA01
16.-1-63	210	1	7146	Lyman	0	\$	158,800	\$	16,000	Scott	Almeter	WIBA01
16.-1-69	210	1	7153	Lyman	2.6	\$	191,000	\$	18,400	Lawrence	Bauch	WIBA01
16.-1-62	210	1	7154	Lyman	0	\$	122,000	\$	16,000	Edward	Shortt	WIBA01
16.-1-61	210	1	7162	Lyman	0	\$	115,000	\$	16,000	Daniel	O'Grady	WIBA01
16.-1-60	210	1	7170	Lyman	0	\$	138,400	\$	16,000	Jeffery	Hahn	WIBA01
16.-1-59	314	0.5	7178	Lyman	0	\$	16,000	\$	16,000	Jeffery	Hahn	WIBA01
16.-1-67	210	1	7186	Lyman	0	\$	154,000	\$	16,000	Jeremy	Duell	WIBA01
16.-1-79	210	1	7210	Lyman	18.1	\$	230,000	\$	41,700	John	Pfalzer	WIBA01
16.-1-1.2	210	1	7217	Lyman	0	\$	155,000	\$	16,100	Debra	O'Grady	WIBA01
16.-1-2	241	1	7231	Lyman	48	\$	264,800	\$	164,800	Jacqueline	Ridley	WIBA01
16.-1-3	105	0		Lyman	6.1	\$	10,800	\$	10,800	Wayne	Keller	WIBA01
14.-1-17.21	210	1	7308	Maple	1.72	\$	148,400	\$	17,100	David	Baker	WIBA01
14.-1-17.22	210	1	7310	Maple	3.61	\$	162,600	\$	19,900	James	Lewis	WIBA01
14.-1-35	310	0.5	7320	Maple	5.8	\$	23,200	\$	23,200	Brian	Ladd	WIBA01

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14.-1-36	210	1	7336	Maple	7.1	\$	154,300	\$	25,200	Brian	Ladd	WIBA01
17.-1-39	241	1	7353	Maple	70.3	\$	276,200	\$	201,100		D.C. Wright, Inc.	WIBA01
14.-1-18.2	210	1	7354	Maple	1	\$	77,900	\$	16,000	Margaret	Berry	WIBA01
14.-1-37	210	1	7366	Maple	4.6	\$	122,900	\$	21,400	John	Showler	WIBA01
14.-1-38	210	1	7378	Maple	4.4	\$	195,000	\$	21,100	David	Thom	WIBA01
16.-1-10.1	241	2	7434	Maple	54.3	\$	263,000	\$	156,500	Richard	Stacy	WIBA01
17.-1-38	241	1	7445	Maple	79.5	\$	325,100	\$	241,800	Delores	Seward	WIBA01
16.-1-11.2	210	1	7500	Maple	1.2	\$	162,100	\$	16,300	Christine	Wright	WIBA01
16.-1-12	241	1	7530	Maple	48.4	\$	219,000	\$	143,600		D.C. Wright, Inc.	WIBA01
17.-1-32	241	1	7641	Maple	38.1	\$	252,700	\$	139,700	Delores	Seward	WIBA01
17.-1-31.2	210	1	7677	Maple	3.7	\$	156,900	\$	20,100	Norman	Montgomery	WIBA01
17.-1-29	695	0.5	7774	Maple	2	\$	4,000	\$	4,000		Stone Church Rural Cem	WIBA01
17.-1-28.211	241	1	7828	Maple	30.1	\$	259,800	\$	88,400	Harvey	Morse	WIBA01
17.-1-48	220	2	7843	Maple	0	\$	58,000	\$	10,000		D.C. Long, Inc.	WIBA01
17.-1-45	210	1	7857	Maple	0	\$	61,000	\$	8,500		Stacy Properties, LLC	WIBA01
16.-1-10.2	105	0		Maple	49.7	\$	105,900	\$	105,900	Christine	Wright	WIBA01
16.-1-11.1	105	0		Maple	48.5	\$	127,100	\$	127,100	David Burton	Wright	WIBA01
17.-1-27	105	0		Maple	63.9	\$	178,200	\$	178,200	Delores	Seward	WIBA01
9.-1-1.2	210	1	7045	North Bergen	5.3	\$	160,000	\$	22,500	Carol M.	Ray	WIBA01
9.-1-66	210	1	7052	North Bergen	1.6	\$	169,300	\$	16,900	Gregory	Taylor	WIBA01
9.-1-67	210	1	7062	North Bergen	0	\$	79,600	\$	8,900	Geoffrey	Tuttle	WIBA01
9.-1-2	210	1	7067	North Bergen	0	\$	122,000	\$	15,100	Robert	Gartz	WIBA01
9.-1-65.2	620	1	7068	North Bergen	1.8	\$	300,000	\$	10,800		North Bergen Presbyterian	WIBA01
9.-1-1.12	210	1	7083	North Bergen	3	\$	176,300	\$	19,000	Matthew	McKenrick	WIBA01
9.-1-69.1	210	1	7084	North Bergen	0	\$	99,500	\$	16,200	Mark	Shuler	WIBA01
9.-1-70	210	1	7100	North Bergen	0.7	\$	104,000	\$	13,000	John	Rehberg	WIBA01
9.-1-4	210	1	7103	North Bergen	1	\$	141,000	\$	16,000	Jamie L.	Givens	WIBA01
9.-1-3	210	1	7105	North Bergen	2.5	\$	99,400	\$	18,300	Ruth Betty	VanDuser	WIBA01
9.-1-71	230	3	7108	North Bergen	1.1	\$	95,100	\$	16,200	Ronald	Morris	WIBA01
9.-1-7	210	1	7111	North Bergen	11	\$	109,000	\$	27,600	Frank	Stumpf	WIBA01
9.-1-72	210	1	7116	North Bergen	2.2	\$	111,000	\$	17,800	Samuel	Bird	WIBA01
9.-1-5	210	1	7123	North Bergen	0	\$	93,800	\$	8,600	George	Vanderstow	WIBA01
9.-1-6	210	1	7129	North Bergen	0	\$	59,400	\$	8,100	George	Vanderstow	WIBA01
9.-1-73	210	1	7132	North Bergen	3.3	\$	91,500	\$	19,500	George	Vanderstow	WIBA01
9.-1-8.1	242	1	7179	North Bergen	13	\$	194,200	\$	45,600	Timothy	Clark	WIBA01
9.-1-74	210	1	7180	North Bergen	7.48	\$	168,000	\$	25,700	Audrey	Benda	WIBA01
9.-1-76	210	1	7188	North Bergen	1.3	\$	98,000	\$	16,300	Nile	Marple	WIBA01
9.-1-11	312	0.5	7207	North Bergen	0.5	\$	38,000	\$	6,400	George	Vanderstow	WIBA01

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9.-1-12.2	210	1	7238	North Bergen	0.74	\$	85,000	\$	13,700	Terry	Strobel	WIBA01
9.-1-12.12	210	1	7240	North Bergen	1.6	\$	114,000	\$	16,900	Erin	Jackson	WIBA01
9.-1-10.11	210	1	7245	North Bergen	4.79	\$	142,000	\$	21,700	Todd	Audsley	WIBA01
9.-1-13.1	241	1	7268	North Bergen	56.3	\$	252,300	\$	152,300	Thomas	Tiefel	WIBA01
9.-1-14	210	1	7285	North Bergen	0	\$	60,000	\$	15,900	David	Prince	WIBA01
9.-1-15.11	241	2	7327	North Bergen	16.9	\$	356,000	\$	82,800	Kevin	Schenk	WIBA01
9.-1-15.12	117	1	7331	North Bergen	12.4	\$	228,500	\$	61,600	Dawn	Callari	WIBA01
9.-1-13.2	210	1	7338	North Bergen	3	\$	134,000	\$	19,000	James	Abernethy	WIBA01
9.-1-99	210	1	7354	North Bergen	9.25	\$	122,900	\$	26,000	Ryan	Farnsworth	WIBA01
9.-1-16.2	215	2	7355	North Bergen	1	\$	143,100	\$	16,000	Michael	List	WIBA01
9.-1-100	210	1	7358	North Bergen	9.5	\$	102,000	\$	26,400	Keith	Stein	WIBA01
9.-1-16.112	210	1	7371	North Bergen	11.09	\$	185,500	\$	23,600	Mark	List	WIBA01
9.-1-16.12	210	1	7375	North Bergen	1.12	\$	118,300	\$	16,200	Christopher	Paolucci	WIBA01
9.-1-93	483	5	7376	North Bergen	1.3	\$	157,000	\$	8,300	Timothy	Mieney	WIBA01
9.-1-96	210	1	7384	North Bergen	1	\$	136,400	\$	16,000	Edward	Pretko	WIBA01
9.-1-95	210	1	7440	North Bergen	1.1	\$	125,000	\$	16,200	Bethany	Domn	WIBA01
9.-1-16.111	241	1	7443	North Bergen	23.49	\$	162,200	\$	106,000	Myrna	List	WIBA01
9.-1-17.112	210	1	7446	North Bergen	18.1	\$	305,300	\$	41,700	Jeffrey	Cook	WIBA01
9.-1-84.11	210	1	7460	North Bergen	6.2	\$	160,000	\$	23,800	Benjamin	Strong	WIBA01
9.-1-1.11	105	0		North Bergen	43.2	\$	131,300	\$	131,300		Legacy Lands Llc	WIBA01
9.-1-12.11	105	0		North Bergen	41.1	\$	90,600	\$	90,600	Thomas	Tiefel	WIBA01
9.-1-15.2	314	0.5		North Bergen	4.2	\$	5,000	\$	5,000	Dawn	Callari	WIBA01
9.-1-77.2	314	0.5		North Bergen	7.48	\$	23,300	\$	23,300	Donald	Borland	WIBA01
9.-1-97	105	0		North Bergen	40.9	\$	140,600	\$	140,600	Stephen	Starowitz	WIBA01
7.-1-1.2	210	1	5839	North Lake	1.4	\$	99,000	\$	16,600	Churchill	Geoffrey	WIBA01
8.-1-5.1	241	1	5862	North Lake	71.9	\$	252,400	\$	222,400	Barbara	Richardson	WIBA01
8.-1-5.2	241	1	5866	North Lake	71.9	\$	195,100	\$	151,900		CY Properties, LLC	WIBA01
8.-1-6.1	241	1	5894	North lake	40	\$	315,500	\$	93,800	Steven	Kissel	WIBA01
7.-1-1.1	241	1	5903	North Lake	166.4	\$	252,500	\$	122,600	Keith	Bowers	WIBA01
8.-1-6.211	210	1	5906	North Lake	1.9	\$	74,000	\$	17,400	Larry	Alexander	WIBA01
7.-1-27.12	210	1	5911	North Lake	1	\$	140,000	\$	16,000	Brian	Dugan	WIBA01
7.-1-27.2	220	2	5919	North Lake	1.6	\$	131,000	\$	16,900	Scott	DeVelder	WIBA01
8.-1-6.221	241	1	5922	North Lake	67.11	\$	364,200	\$	149,600	Keith	Diehl	WIBA01
7.-1-27.111	210	1	5923	North Lake	4.8	\$	91,000	\$	21,700	Mary	Donk	WIBA01
8.-1-8	220	2	5934	North Lake	2.4	\$	182,000	\$	18,100	Timothy	Victor Bowman	WIBA01
16.-1-49.22	210	1	7121	Old State	3.56	\$	195,000	\$	19,800	Jeffery	Wheeler	WIBA01
16.-1-22.1	210	1	7154	Old State	1.87	\$	149,000	\$	17,300	David	Volfa	WIBA01
16.-1-23	210	1	7157	Old State	1.07	\$	70,000	\$	12,100	Dave	Brumsted	WIBA01

Appendix E
List of Parcels in Bergen WIBA No. 1

16.-1-22.2	210	1	7170	Old State	4.36	\$	167,600	\$	21,000	Bobbi Jean	Gilbert	WIBA01
16.-1-24.112	314	0.5	7197	Old State	1.3	\$	16,500	\$	16,500	Martin	Dilcher	WIBA01
16.-1-44	210	1	7228	Old State	0	\$	144,100	\$	17,500	Roger	Dilcher	WIBA01
7.-1-48.1	210	1	8479	Peachey	6.8	\$	245,200	\$	26,700	Robert	Drzewiecki	WIBA01
7.-1-18	270	1	8480	Peachey	1.84	\$	34,000	\$	17,300	Timothy	Pharoah	WIBA01
7.-1-6	220	2	8485	Peachey	1.25	\$	141,900	\$	16,400	Richard	Fisher LU	WIBA01
7.-1-7	283	2	8550	Peachey	47.2	\$	350,000	\$	141,900	Mark	Gerhardy	WIBA01
7.-1-5.1	241	2	8563	Peachey	227	\$	640,600	\$	530,600	Judydel	Hinkson	WIBA01
10.-2-26.12	210	1	6826	Pocock	1	\$	93,100	\$	18,000	Joel	Pocock	WIBA01
10.-2-50	210	1	6833	Pocock	0.8	\$	88,400	\$	14,400	Warren & Ann	Pocock	WIBA01
10.-2-49	210	1	6839	Pocock	1.5	\$	83,000	\$	16,800	James	Pocock	WIBA01
10.-2-42.21	210	1	6859	Pocock	2.1	\$	138,400	\$	17,700	James	Pocock	WIBA01
10.-2-42.121	210	1	6865	Pocock	0	\$	139,000	\$	12,200	Carl	Pocock	WIBA01
7.-1-27.112	105	0	1208	Reed	96.5	\$	73,500	\$	73,500	Robert	Klein	WIBA01
8.-1-3.12	210	1	1957	Reed	1.4	\$	96,700	\$	16,600	Gwendolyn	Galliford	WIBA01
8.-1-3.112	210	1	2013	Reed	0	\$	142,000	\$	12,200	Ronald	Mason	WIBA01
8.-1-41.12	210	1	2021	Reed	2.4	\$	136,400	\$	22,200	Kenneth	Kruppner	WIBA01
8.-1-41.11	210	1	2047	Reed	2.8	\$	155,000	\$	24,400	Steven	Kuszyk	WIBA01
8.-1-3.2	210	1	2069	Reed	1.38	\$	133,600	\$	16,600	Virginia	Mason	WIBA01
8.-1-1.2	210	1	2117	Reed	3.1	\$	153,100	\$	19,200	Steve	Saper	WIBA01
9.-1-32.2	210	1	2193	Reed	0.91	\$	75,300	\$	15,900	Daniel	Skivington	WIBA01
9.-1-32.12	241	1	2259	Reed	24.7	\$	145,700	\$	44,400	Brian	Carson	WIBA01
9.-1-83	210	1	2301	Reed	0	\$	89,000	\$	10,300	Loren	Berl	WIBA01
9.-1-30	210	1	2331	Reed	0	\$	37,000	\$	9,900	Brian	Bafer	WIBA01
9.-1-31	241	1	2339	Reed	56.8	\$	368,500	\$	202,600	Brian	Bafer	WIBA01
9.-1-28.2	210	1	2373	Reed	3.3	\$	162,000	\$	19,500	Gregory	Coniglio	WIBA01
9.-1-28.1	210	1	2389	Reed	1	\$	106,000	\$	16,000	Shawn	Stanton	WIBA01
9.-1-27	210	1	2429	Reed	2.7	\$	152,500	\$	18,600	Jeffrey	Loney	WIBA01
9.-1-26	210	1	2461	Reed	5.3	\$	168,000	\$	22,500	Gene	Godlove	WIBA01
9.-1-23	210	1	2471	Reed	0.56	\$	104,000	\$	11,100	Darwin	Doty	WIBA01
9.-1-21	210	1	2489	Reed	0	\$	155,300	\$	16,200	Randall	Taylor	WIBA01
8.-1-1.1	105	0		Reed	45.8	\$	160,700	\$	160,700	Gerard M & A1 Darby Irrevocable Trust		WIBA01
8.-1-3.113	105	0		Reed	93.9	\$	318,200	\$	318,200	Ruth	Kruppner	WIBA01
9.-1-32.11	105	0		Reed	24.8	\$	99,200	\$	99,200	Laurie	Carson	WIBA01
11.-1-7.2	242	1	7550	Sackett	10.3	\$	153,000	\$	30,000	Pamela	Johnson	WIBA01
9.-1-38	241	1	7557	Sackett	61.4	\$	295,500	\$	163,800	Jeffrey	Van Skiver	WIBA01
11.-1-9	210	1	7632	Sackett	0	\$	33,000	\$	7,900	Gina	Buda	WIBA01
11.-1-8.2	210	1	7636	Sackett	1.5	\$	65,300	\$	16,800	Christopher	Saxman	WIBA01

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9-1-37	241	1	7637	Sackett	60.3	\$	306,000	\$	206,000	Wesley Leo	Rodwell	WIBA01
11-1-11.11	210	1	7642	Sackett	9.44	\$	62,900	\$	30,700	George	Schelemanow	WIBA01
11-1-10	210	1	7682	Sackett	2.9	\$	88,000	\$	18,900	George	Schelemanow	WIBA01
8-1-30.1	220	2	7743	Sackett	1.5	\$	99,000	\$	16,800		7743 Sackett LLC	WIBA01
8-1-27.2	210	1	7787	Sackett	1.2	\$	136,800	\$	16,300	Thomas	Wheeler	WIBA01
11-1-14	105	0	7834	Sackett	119.8	\$	130,600	\$	125,600	John	Kitzel	WIBA01
8-1-25.2	210	1	7849	Sackett	5.4	\$	117,900	\$	21,300	Guy	Giannone	WIBA01
11-1-15.2	210	1	7882	Sackett	1.73	\$	106,100	\$	16,900	Harold	Anderson	WIBA01
11-1-16	311	0.5	7904	Sackett	60.2	\$	30,100	\$	30,100	Melvin	Reber	WIBA01
8-1-24	241	1	7905	Sackett	58.2	\$	218,300	\$	115,600		Reber Family Trust	WIBA01
6-1-1.22	210	1	7944	Sackett	4.8	\$	269,000	\$	21,700	Joseph	Oliveri	WIBA01
6-1-2.2	210	1	7958	Sackett	1.9	\$	109,500	\$	17,400	Ronald	Resch	WIBA01
6-1-1.12	210	1	7960	Sackett	2.64	\$	75,000	\$	18,500	Ann M	Dunn	WIBA01
8-1-22	210	1	7967	Sackett	1.1	\$	129,700	\$	16,200	William	Engle	WIBA01
6-1-3	242	1	7968	Sackett	30.8	\$	137,000	\$	84,900	Paul	Smith	WIBA01
6-1-4.22	210	1	7970	Sackett	0.76	\$	134,700	\$	13,900	David	Madziarz	WIBA01
6-1-4.212	210	1	7978	Sackett	0	\$	152,900	\$	14,900	David	Henry	WIBA01
6-1-4.111	242	1	8000	Sackett	25.5	\$	264,500	\$	52,800	Martin	Leggo	WIBA01
6-1-4.112	210	1	8008	Sackett	4.81	\$	155,000	\$	21,700	John	Doyle	WIBA01
8-1-23	241	1	8037	Sackett	79.1	\$	233,800	\$	146,300	Martin	Leggo	WIBA01
8-1-21.2	241	1	8181	Sackett	23.7	\$	179,400	\$	35,000	Roger	Buda	WIBA01
11-1-11.12	322	0.5		Sackett	120.3	\$	83,100	\$	83,100	Thomas	Schelemanow	WIBA01
11-1-11.2	105	0		Sackett	76.75	\$	195,600	\$	195,600	George	Schelemanow	WIBA01
11-1-15.11	105	0.5		Sackett	36.8	\$	36,800	\$	36,800	Guy	Giannone	WIBA01
11-1-17	320	0.5		Sackett	16.8	\$	3,360	\$	3,360		Reber Family Trust	WIBA01
11-1-8.1	105	0		Sackett	98.8	\$	205,100	\$	205,100	Stephen	Scott	WIBA01
12-1-48	320	0.5		Sackett	30	\$	10,200	\$	10,200	Marc	Skirvin	WIBA01
6-1-1.11	555	1		Sackett	47.5	\$	65,000	\$	46,400	Ann M	Dunn	WIBA01
6-1-1.21	323	0.5		Sackett	34.9	\$	31,400	\$	31,400	Joseph	Oliveri	WIBA01
6-1-4.12	322	0.5		Sackett	32.8	\$	56,200	\$	56,200	Martin	Leggo	WIBA01
8-1-25.1	105	0		Sackett	54	\$	121,200	\$	121,200		Reber Family Trust	WIBA01
8-1-27.1	105	0		Sackett	57	\$	153,800	\$	148,400	Stephen	Starowitz	WIBA01
8-1-29	105	0		Sackett	4.1	\$	3,700	\$	3,700	Stephen	Starowitz	WIBA01
8-1-30.2	105	0		Sackett	53.8	\$	131,200	\$	131,200	Stephen	Starowitz	WIBA01
9-1-69.2	210	1	5980	Sautell	0	\$	98,700	\$	16,200	Norman	Austin	WIBA01
9-1-77.1	242	1	5995	Sautell	14.46	\$	77,800	\$	29,600	Donald	Borland	WIBA01
9-1-68.1	210	1	5996	Sautell	2.9	\$	101,300	\$	18,900	David	Brownell	WIBA01
9-1-64	210	1	6014	Sautell	0	\$	89,300	\$	9,300		MRBP INC	WIBA01

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9.-1-78.2	210	1	6015	Sautell	8.8	\$	138,500	\$	29,700	David	Reichert	WIBA01
9.-1-63	220	2	6022	Sautell	2.3	\$	121,700	\$	18,000	Jamey	Pagels	WIBA01
9.-1-79	210	1	6025	Sautell	0	\$	155,200	\$	16,700	Peter	Kelley	WIBA01
9.-1-80	210	1	6027	Sautell	1.43	\$	87,000	\$	16,600	Heidi	Causyn	WIBA01
9.-1-60.1	242	1	6037	Sautell	32.2	\$	246,000	\$	86,900	Barry	Taylor	WIBA01
9.-1-62.2	210	1	6044	Sautell	7.6	\$	205,800	\$	25,900	Pamela	Grippo	WIBA01
9.-1-62.1	210	1	6062	Sautell	9.4	\$	239,200	\$	22,300	Curtis	Taylor	WIBA01
9.-1-61	210	1	6076	Sautell	1.4	\$	88,700	\$	16,600	James	Freeman	WIBA01
9.-1-59	210	1	6087	Sautell	0	\$	69,000	\$	16,200	Clark	Smith	WIBA01
9.-1-60.2	210	1	6097	Sautell	2.9	\$	155,900	\$	18,900	Renee	Taylor	WIBA01
9.-1-57.2	210	1	6112	Sautell	0.69	\$	117,300	\$	11,000	Myron	Bobzien	WIBA01
9.-1-56.2	210	1	6132	Sautell	1.5	\$	139,900	\$	16,800	Mark	Anderson	WIBA01
9.-1-57.1	322	0.5		Sautell	14.1	\$	35,700	\$	35,700	Barry	Taylor	WIBA01
9.-1-58.1	314	0.5		Sautell	2.1	\$	4,900	\$	4,900	Barry	Taylor	WIBA01
9.-1-68.2	314	0.5		Sautell	0.6	\$	3,000	\$	3,000		MRBP INC	WIBA01
16.-1-20	241	1	7725	School	39.6	\$	88,800	\$	68,800	Lynn	Heintz	WIBA01
17.-1-31.1	241	1	7468	South Lake	95	\$	331,100	\$	234,400	Marc	Montgomery	WIBA01
10.-2-36	210	1	7068	Swamp	8	\$	165,000	\$	23,400	Alexander	Charcholla	WIBA01
10.-2-40.122	210	1	7130	Swamp	2.48	\$	159,000	\$	18,200	Robin	Alexanc	WIBA01
10.-2-40.121	210	1	7140	Swamp	7.1	\$	109,700	\$	21,500	James	Warney	WIBA01
10.-2-39	210	1	7191	Swamp	0	\$	133,300	\$	9,900	Kevin	McKenrick	WIBA01
10.-2-43.12	210	1	7209	Swamp	4	\$	225,000	\$	20,500	Paul	Cooper	WIBA01
10.-2-43.2	210	1	7268	Swamp	0	\$	139,000	\$	14,300	Steven	Kindred	WIBA01
10.-2-25	120	0	7322	Swamp	55.3	\$	204,700	\$	143,200	Herbert	Brew	WIBA01
12.-1-84	210	1	7508	Swamp	6.9	\$	184,900	\$	26,900	Thomas	Cecere	WIBA01
12.-1-83.122	210	1	7520	Swamp	6.29	\$	127,900	\$	23,900	Curtis	Randall	WIBA01
12.-1-26	241	2	7555	Swamp	112.3	\$	303,800	\$	247,800	Howard	Brew	WIBA01
12.-1-82.2	314	0.5	7557	Swamp	1.5	\$	2,100	\$	2,100	Howard	Brew	WIBA01
10.-2-24	105	0		Swamp	14.6	\$	46,800	\$	28,700	Herbert	Brew	WIBA01
10.-2-37.1	105	0		Swamp	27	\$	102,600	\$	102,600	Donald	Hohn	WIBA01
10.-2-40.2	314	0.5		Swamp	4.8	\$	25,000	\$	25,000	Robin	Charcolla	WIBA01
10.-2-43.112	314	0.5		Swamp	1.4	\$	2,100	\$	2,100	Steven	Kindred	WIBA01
12.-1-13	105	0		Swamp	17.9	\$	17,500	\$	17,500	James	Pocock	WIBA01
12.-1-14	105	0		Swamp	43.5	\$	112,100	\$	112,100	Herbert	Brew	WIBA01
12.-1-83.121	314	0.5		Swamp	6.29	\$	4,400	\$	4,400	Curtis	Randall	WIBA01
10.-2-43.111	105	0		Swamp	17.6	\$	42,800	\$	42,800	James	Pocock	WIBA01
10.-2-26.2	433	1	7299	Townline	11.8	\$	125,000	\$	45,300		6820 Pocock Road, LLC	WIBA01
13.-1-12	105	0		Townline	16.3	\$	55,400	\$	55,400	Thomas	Fodge	WIBA01

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13.-1-13	106	0	Y	Townline	35.2	\$	125,300	\$	125,300	Warren	Warren	\$ 125,300	WIBA01
14.-1-23	105	0	Y	Townline	91.3	\$	254,600	\$	254,600	Jacob	Hunt	\$ 254,600	WIBA01
10.-2-26.11	105	0		6980 Tripp	37.2	\$	118,400	\$	118,400	Harold	Pocock	\$ 118,400	WIBA01
10.-1-1.12	210	1		7038 Warboys	17.85	\$	210,000	\$	41,300	James	Milward	\$ 41,300	WIBA01
9.-1-56.11	312	0.5		7071 Warboys	9.8	\$	28,900	\$	28,400	Jaymes	Rozwood	\$ 28,400	WIBA01
9.-1-56.12	210	1		7085 Warboys	3.7	\$	159,500	\$	20,100	Mark	Tanski	\$ 20,100	WIBA01
10.-1-1.2	241	1		7098 Warboys	43.3	\$	216,500	\$	88,800	Mark	Kobel	\$ 88,800	WIBA01
9.-1-55	312	0.5		7109 Warboys	1.4	\$	35,900	\$	15,800	Michael	Anderson	\$ 15,800	WIBA01
9.-1-54	210	1		7129 Warboys	1.2	\$	121,000	\$	16,800	Brandon	Dunham	\$ 16,800	WIBA01
9.-1-52	210	1		7193 Warboys	1.4	\$	85,000	\$	16,600	Chester	Taylor	\$ 16,600	WIBA01
10.-1-2.2	210	1		7228 Warboys	6.01	\$	159,000	\$	23,500	David	Kraszewski	\$ 23,500	WIBA01
9.-1-51.21	242	1		7229 Warboys	11.33	\$	181,800	\$	26,200	Richard	Mason	\$ 26,200	WIBA01
10.-1-2.12	210	1		7252 Warboys	5	\$	152,000	\$	19,000	Barry	Palmer	\$ 19,000	WIBA01
9.-1-50.2	230	3		7303 Warboys	2.9	\$	125,000	\$	18,900	Michael	Taylor	\$ 18,900	WIBA01
9.-1-46.2	210	1		7327 Warboys	0	\$	142,600	\$	16,000	David	Stoll	\$ 16,000	WIBA01
10.-1-3	242	1		7336 Warboys	93.8	\$	170,000	\$	90,500	Adam	Cross	\$ 90,500	WIBA01
11.-1-1.21	242	1		7338 Warboys	23.2	\$	329,000	\$	29,900	Nicholas	Hoopengardner	\$ 29,900	WIBA01
11.-1-1.113	210	1		7340 Warboys	1.4	\$	171,000	\$	16,600	John	Thomasulo	\$ 16,600	WIBA01
11.-1-1.12	210	1		7380 Warboys	10.25	\$	194,600	\$	25,300	Roger	Wise	\$ 25,300	WIBA01
11.-1-30	210	1		7410 Warboys	9.62	\$	189,000	\$	27,700	Richard	Grape	\$ 27,700	WIBA01
11.-1-2	114	0	Y	7450 Warboys	51.5	\$	309,100	\$	158,300	Jennifer E	Sands	\$ 158,300	WIBA01
9.-1-46.11	241	1	Y	7471 Warboys	90.9	\$	403,900	\$	291,900	Stephen	VanValkenburg	\$ 291,900	WIBA01
10.-1-1.11	105	0	Y	Warboys	69.7	\$	195,800	\$	195,800	Michael J.	Starowitz	\$ 195,800	WIBA01
10.-1-2.111	105	0.5	N	Warboys	94	\$	105,700	\$	105,700	Jeffrey	Brookhart	\$ 105,700	WIBA01
10.-1-2.112	105	0.5	N	Warboys	10.5	\$	26,100	\$	17,500	Roger	Cook	\$ 17,500	WIBA01
11.-1-1.112	314	0.5		Warboys	9.64	\$	23,300	\$	23,300	Clifford	Grape	\$ 23,300	WIBA01
9.-1-50.1	105	0	Y	Warboys	30.9	\$	120,500	\$	120,500	Brandon	Sharp	\$ 120,500	WIBA01
9.-1-51.1	314	0.5		Warboys	1	\$	3,000	\$	3,000	Stephen	Taylor	\$ 3,000	WIBA01
9.-1-53.1	105	0	Y	Warboys	17.2	\$	59,800	\$	59,800	Richard	Starowitz	\$ 59,800	WIBA01
15.-1-4	210	1		7105 West Bergen	2.7	\$	78,500	\$	10,600	Agnes	Hawley	\$ 10,600	WIBA01
15.-1-5.2	210	1		7123 West Bergen	1.48	\$	134,900	\$	24,000	James	Redinger	\$ 24,000	WIBA01
15.-1-7	210	1		7133 West Bergen	0	\$	77,000	\$	9,000	Jacob	Morton	\$ 9,000	WIBA01
15.-1-19	241	1		7178 West Bergen	82.4	\$	295,400	\$	158,000	Gary	Peters	\$ 158,000	WIBA01
15.-1-8.111	241	1		7181 West Bergen	4.5	\$	115,600	\$	20,200	Gary	Donofrio	\$ 20,200	WIBA01
15.-1-10.2	210	1		7201 West Bergen	1.03	\$	156,000	\$	16,500	Leeanne	Dewind	\$ 16,500	WIBA01
15.-1-18.1	312	0.5		7246 West Bergen	1.4	\$	20,900	\$	16,600	Leeanne	Lacy	\$ 16,600	WIBA01
15.-1-17.1	242	1		7248 West Bergen	46.98	\$	272,400	\$	72,200	Amanda	Lacy	\$ 72,200	WIBA01
15.-1-10.12	210	1		7261 West Bergen	1	\$	116,000	\$	16,000	Amanda	Redinger	\$ 16,000	WIBA01

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15.-1-11	210	1	7263	West Bergen	0	\$	40,200	\$	16,000	Ellen	Kirkpatrick	WIBA01
15.-1-13.12	220	2	7311	West Bergen	0.92	\$	176,000	\$	16,600	Robert	Corcimiglia	WIBA01
15.-1-16	242	2	7320	West Bergen	48.5	\$	160,000	\$	62,500	Richard	Redinger	WIBA01
15.-1-13.211	210	1	7321	West Bergen	1.7	\$	151,500	\$	20,300	William	Robinson	WIBA01
15.-1-14	210	1	7331	West Bergen	0	\$	65,000	\$	15,900	Joseph	Tompkins	WIBA01
16.-1-77	210	1	7398	West Bergen	2.12	\$	236,700	\$	17,700	Worth	Harder	WIBA01
16.-1-1.113	241	1	7404	West Bergen	89.29	\$	430,100	\$	325,000	Wayne	Keller	WIBA01
16.-1-29.12	620	1	7484	West Bergen	6	\$	305,000	\$	21,800		Bethel Baptist Church	WIBA01
16.-1-31.2	210	1	7519	West Bergen	1.1	\$	99,300	\$	16,200	Wayne	Hintz	WIBA01
16.-1-32	210	1	7522	West Bergen	8	\$	93,300	\$	19,200	Jeffrey	Keller	WIBA01
16.-1-71	210	1	7525	West Bergen	1.6	\$	145,600	\$	16,900	Stephen	Wahls	WIBA01
16.-1-72	210	1	7529	West Bergen	2.2	\$	170,000	\$	17,800	Mark	Reuter	WIBA01
16.-1-73	210	1	7549	West Bergen	8.87	\$	179,600	\$	27,800	Jeffery	Goodenbery	WIBA01
16.-1-15.12	242	1	7561	West Bergen	23.8	\$	372,100	\$	50,200	James	Morrison	WIBA01
16.-1-35	210	1	7566	West Bergen	1.9	\$	125,000	\$	17,400	David	Bell	WIBA01
16.-1-15.112	210	1	7575	West Bergen	0.92	\$	126,000	\$	14,700	Pamela	Birge	WIBA01
16.-1-36	210	1	7576	West Bergen	0	\$	116,600	\$	16,400	Janice	Gilbert	WIBA01
16.-1-24.12	210	1	7582	West Bergen	0	\$	93,000	\$	11,900	Mark	Haymon	WIBA01
16.-1-15.111	242	1	7585	West Bergen	22.9	\$	208,700	\$	73,000	Gerald	Birge	WIBA01
16.-1-37	210	1	7588	West Bergen	0	\$	12,500	\$	11,300	Martin	Dilcher	WIBA01
16.-1-15.2	210	1	7591	West Bergen	1.5	\$	112,500	\$	16,800	Sarah	Goulet	WIBA01
16.-1-16	241	1	7617	West Bergen	48.8	\$	310,000	\$	67,900	Larry	Stalbaum	WIBA01
16.-1-43.1	210	1	7620	West Bergen	0	\$	116,400	\$	17,000	James	Gilbert	WIBA01
16.-1-40	210	1	7632	West Bergen	1.1	\$	133,500	\$	16,200	Eunice	Gardner	WIBA01
16.-1-18.2	210	1	7637	West Bergen	2.9	\$	151,000	\$	18,900	Jason	Heimlich	WIBA01
16.-1-19.2	210	1	7650	West Bergen	0	\$	139,800	\$	10,300	David	Coffa	WIBA01
16.-1-18.12	310	0.5	7663	West Bergen	2.9	\$	16,500	\$	16,500	Daniel	Zury	WIBA01
16.-1-18.112	210	1	7685	West Bergen	2.9	\$	186,000	\$	18,900	Richard	Alexyn	WIBA01
16.-1-19.121	210	1	7688	West Bergen	0	\$	110,500	\$	16,200	Gary	Heimlich	WIBA01
16.-1-74	242	1	7705	West Bergen	10.42	\$	239,000	\$	30,100	Thomas	Fodge	WIBA01
16.-1-54.2	210	1	7708	West Bergen	2.9	\$	129,000	\$	18,900	Andrew	Nickerson	WIBA01
16.-1-18.115	210	1	7711	West Bergen	22.4	\$	300,000	\$	79,300	Bretton	Quinlan	WIBA01
16.-1-54.11	210	1	7714	West Bergen	0	\$	134,000	\$	12,600	Mark	Cross	WIBA01
16.-1-75	210	1	7725	West Bergen	2.36	\$	151,500	\$	18,000	Luis	Altache	WIBA01
15.-1-10.11	105	0		West Bergen	68.8	\$	164,900	\$	164,900	Russell	Redinger	WIBA01
15.-1-13.111	314	0.5		West Bergen	1.1	\$	1,700	\$	1,700	Robert	Corcimiglia	WIBA01
15.-1-24.12	311	0.5		West Bergen	2.6	\$	16,000	\$	16,000	William	Powell	WIBA01
15.-1-27	105	0		West Bergen	39.1	\$	64,000	\$	64,000	Charles	Redinger	WIBA01

Appendix E
List of Parcels in Bergen WIBA No. 1

May 17, 2019

16.-1-19.111	321	0.5	West Bergen	38.6	\$	27,200	\$	27,200	James	27,200	James	Gilbert	WIBA01
16.-1-41	310	0.5	West Bergen	1	\$	5,000	\$	5,000	James	5,000	James	Gilbert	WIBA01
16.-1-50	312	0.5	West Bergen	0	\$	16,200	\$	3,700	Peter	3,700	Peter	Gardner	WIBA01
16.-1-52	314	0.5	West Bergen	0.72	\$	400	\$	400	Gina	400	Gina	Simeone	WIBA01
16.-1-53	314	0.5	West Bergen	0.72	\$	400	\$	400	Richard	400	Richard	Simeone	WIBA01
16.-1-76.21	322	0.5	West Bergen	16.1	\$	20,900	\$	20,900	James	20,900	James	Wright	WIBA01
16.-1-78	314	0.5	West Bergen	1.4	\$	8,600	\$	8,600	Roger V.	8,600	Roger V.	Rouse	WIBA01
16.-1-34	314	0.5	West Bergen	0.8	\$	1,200	\$	1,200	Jeffrey	1,200	Jeffrey	Keller	WIBA01
9.-1-22	210	1	West Sweden	0	\$	170,000	\$	14,900	Cory	14,900	Cory	Phillips	WIBA01
9.-1-24	210	1	West Sweden	4.1	\$	172,900	\$	19,300	Douglas	19,300	Douglas	Baker	WIBA01
9.-1-25	310	0.5	West Sweden	0.26	\$	400	\$	400	Douglas	400	Douglas	Baker	WIBA01
9.-1-20.1	210	1	West Sweden	0	\$	129,100	\$	9,000	Shari L.	9,000	Shari L.	Loewke	WIBA01
9.-1-84.2	210	1	West Sweden	3.2	\$	164,000	\$	19,300	James	19,300	James	Slusarczyk	WIBA01
9.-1-29.1	242	1	West Sweden	16.28	\$	91,300	\$	30,100	Edward	30,100	Edward	Croucher	WIBA01
9.-1-17.12	210	1	West Sweden	4.8	\$	159,500	\$	21,700	Donald	21,700	Donald	Woodworth	WIBA01
9.-1-29.2	210	1	West Sweden	2.5	\$	191,300	\$	18,300	Paul	18,300	Paul	Mroz	WIBA01
9.-1-43	242	1	West Sweden	11.5	\$	84,500	\$	29,000	Francis	29,000	Francis	Clarke	WIBA01
9.-1-17.2	210	1	West Sweden	3	\$	114,200	\$	19,000	Ralph	19,000	Ralph	Lippa	WIBA01
9.-1-45.112	242	1	West Sweden	15.2	\$	315,600	\$	50,100	Craig	50,100	Craig	Stevens	WIBA01
9.-1-88.2	210	1	West Sweden	1.1	\$	157,000	\$	18,200	David	18,200	David	Hahn	WIBA01
9.-1-19	242	1	West Sweden	12.8	\$	227,000	\$	26,300	Justine	26,300	Justine	Snow	WIBA01
9.-1-18	242	1	West Sweden	12.2	\$	144,700	\$	34,800	Timothy	34,800	Timothy	Herman	WIBA01
9.-1-42.1	210	1	West Sweden	3.28	\$	123,300	\$	19,400	Gregory	19,400	Gregory	Roller	WIBA01
9.-1-45.2	210	1	West Sweden	0.46	\$	89,000	\$	7,400	Courtney	7,400	Courtney	Flagler	WIBA01
9.-1-44	210	1	West Sweden	1.6	\$	148,900	\$	16,900	William	16,900	William	Gaenzler	WIBA01
9.-1-89.1	210	1	West Sweden	2	\$	184,400	\$	15,900	Amanda	15,900	Amanda	Bisig	WIBA01
9.-1-90	210	1	West Sweden	5.6	\$	151,700	\$	22,900	Brian	22,900	Brian	Zielinski	WIBA01
9.-1-92	210	1	West Sweden	1.1	\$	133,700	\$	17,600	Thomas	17,600	Thomas	Dysart	WIBA01
11.-1-3	242	1	West Sweden	26	\$	163,000	\$	28,000	Steven	28,000	Steven	Lippold	WIBA01
11.-1-4.11	210	1	West Sweden	2.5	\$	165,000	\$	20,300	James	20,300	James	Starowitz	WIBA01
11.-1-21	210	1	West Sweden	0.5	\$	87,000	\$	8,000	Richard	8,000	Richard	Shimko	WIBA01
11.-1-26	311	0.5	West Sweden	0.97	\$	2,900	\$	2,200	Robert	2,200	Robert	Patterson	WIBA01
11.-1-22	210	1	West Sweden	0	\$	119,300	\$	12,900	Robert	12,900	Robert	Patterson	WIBA01
12.-1-24.1	230	3	West Sweden	34.6	\$	184,500	\$	108,700	Richard	108,700	Richard	Sands	WIBA01
12.-1-32.112	210	1	West Sweden	1.84	\$	116,400	\$	17,300	John	17,300	John	Kendrot	WIBA01
12.-1-32.12	310	0.5	West Sweden	2.2	\$	15,400	\$	15,400	Sophie	15,400	Sophie	Penepent	WIBA01
12.-1-24.2	210	1	West Sweden	4.29	\$	95,000	\$	20,900	Barbara	20,900	Barbara	Hogan	WIBA01
12.-1-32.2	210	1	West Sweden	1.8	\$	43,200	\$	13,200	Lillian	13,200	Lillian	Cowham	WIBA01

Appendix E
List of Parcels in Bergen WIBA No. 1

11.-1-19	105	0	Y	West Sweden	31.3	\$	66,000	\$	66,000	Richard	Sands	WIBA01
11.-1-20.1	312	0.5		West Sweden	21.5	\$	13,400	\$	12,900	Mark	Leach	WIBA01
11.-1-20.2	311	0.5		West Sweden	0.3	\$	1,000	\$	1,000	Richard	Shimko	WIBA01
11.-1-23	320	0.5		West Sweden	9.6	\$	5,800	\$	5,800	Robert	Patterson	WIBA01
11.-1-4.12	105	0	Y	West Sweden	41.9	\$	114,200	\$	114,200	Stephen	Starowitz	WIBA01
11.-1-7.1	105	0	Y	West Sweden	76	\$	135,800	\$	135,800	Richard	Sands	WIBA01
12.-1-25.1	321	0.5		West Sweden	35.91	\$	54,600	\$	54,600	James	Oehler	WIBA01
12.-1-28	320	0.5		West Sweden	4.2	\$	2,500	\$	2,500	Susan	Olander	WIBA01
12.-1-30	311	0.5		West Sweden	14.3	\$	8,600	\$	8,600	David	Roggow	WIBA01
12.-1-32.111	105	0	Y	West Sweden	57.8	\$	159,200	\$	159,200	Richard	Sands	WIBA01
12.-1-33	970	0		West Sweden	2.9	\$	1,500	\$	1,500	James	Bergen Swamp Pres. Soc	WIBA01
12.-1-35	323	0.5		West Sweden	19.9	\$	11,900	\$	11,900	James	Oehler	WIBA01
9.-1-39.111	105	0	Y	West Sweden	77	\$	163,400	\$	163,400	Richard	Sands	WIBA01
9.-1-39.112	105	0	Y	West Sweden	22.6	\$	52,800	\$	52,800	Richard	Sands	WIBA01
9.-1-39.12	322	0.5		West Sweden	17.4	\$	61,000	\$	61,000	Richard	Sands	WIBA01
9.-1-88.1	312	0.5		West Sweden	46.9	\$	43,800	\$	37,500	David	Hahn	WIBA01
9.-1-98.1	310	0.5		West Sweden	2.84	\$	16,400	\$	16,400	Craig	Stevens	WIBA01
9.-1-98.2	310	0.5		West Sweden	3.71	\$	17,700	\$	17,700	Craig	Stevens	WIBA01
9.-1-10.21	105	0	Y	Wood	51.5	\$	148,800	\$	148,800		Legacy Lands Lic	WIBA01
9.-1-8.2	105	0	Y	Wood	50.5	\$	170,600	\$	147,100		Legacy Lands Lic	WIBA01
9.-1-9	105	0	Y	Wood	45.6	\$	136,000	\$	136,000		Legacy Lands Lic	WIBA01
							Total AV =	\$	66,615,060			
							Total EDU's =	435				

APPENDIX F
HYDRAULIC MODEL INFORMATION

Fire Flow Node FlexTable: Fire Flow Report

Label	Zone	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)
J-42	Exisitng	500	451	502	453	20	20	30	J-1
J-1	Exisitng	500	472	2,250	2,222	20	20	36	J-2
J-77	WD 4	500	759	507	766	20	20	30	J-106
J-76	WD 4	500	829	507	836	20	20	13	J-77
J-105	WD 4	500	847	506	853	20	20	29	J-106
J-101	WD 4	500	855	506	861	20	20	29	J-106
J-90	WD 4	500	867	504	871	20	20	30	J-106
J-102	WD 4	500	873	506	879	20	20	28	J-103
J-107	WD 4	500	881	506	887	20	20	20	J-106
J-83	WD 4	500	898	507	905	20	20	25	J-77
J-106	WD 4	500	910	506	916	20	20	25	J-107
J-84	WD 4	500	959	507	966	20	20	19	J-77
J-86	WD 4	500	964	507	971	20	20	30	J-106
J-109	WD 4	500	969	506	975	20	20	29	J-106
J-75	WD 4	500	984	507	991	20	20	8	J-77
J-82	WD 4	500	998	507	1,005	20	20	17	J-83
J-74	WD 4	500	1,012	507	1,019	20	20	8	J-77
J-81	WD 4	500	1,012	507	1,019	20	20	20	J-77
J-87	WD 4	500	1,030	507	1,037	20	20	30	J-106
J-39	Exisitng	500	1,038	502	1,040	20	20	29	J-1
J-88	WD 4	500	1,071	507	1,078	20	20	30	J-106
J-59	Exisitng	500	1,149	502	1,150	20	20	29	J-1
J-80	WD 4	500	1,149	507	1,156	20	20	10	J-77
J-103	WD 4	500	1,167	506	1,173	20	20	21	J-102
J-43	Exisitng	500	1,178	502	1,179	20	20	29	J-1
J-100	WD 4	500	1,238	506	1,244	20	20	22	J-103
J-85	WD 4	500	1,250	507	1,257	20	20	18	J-77
J-79	WD 4	500	1,301	507	1,308	20	20	2	J-77
J-73	WD 4	500	1,307	507	1,314	20	20	2	J-77
J-50	Exisitng	500	1,376	502	1,378	20	20	29	J-1
J-98	WD 4	500	1,390	506	1,396	20	20	26	J-103
J-72	WD 4	500	1,400	507	1,407	20	31	0	J-77
J-61	Exisitng	500	1,416	502	1,418	20	20	29	J-1
J-78	WD 4	500	1,505	507	1,512	20	20	16	J-77
J-71	WD 4	500	1,537	507	1,544	20	20	2	J-77
J-70	WD 4	500	1,542	507	1,549	20	34	0	J-86
J-41	Exisitng	500	1,568	502	1,570	20	20	29	J-1
J-60	Exisitng	500	1,608	502	1,610	20	20	14	J-61
J-47	Exisitng	500	1,650	502	1,651	20	20	29	J-1
J-111	WD 4	500	1,659	500	1,659	20	20	30	J-106
J-2	Exisitng	500	1,682	502	1,684	20	20	9	J-1
J-99	WD 4	500	1,727	506	1,733	20	20	15	J-103
J-35	Exisitng	500	1,745	502	1,746	20	20	28	J-1
J-28	Exisitng	500	1,770	502	1,772	20	20	28	J-1
J-58	Exisitng	500	1,773	502	1,774	20	20	13	J-61
J-104	WD 4	500	1,782	506	1,788	20	20	19	J-105

Fire Flow Node FlexTable: Fire Flow Report

Label	Zone	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)
J-16	Exisitng	500	1,799	502	1,801	20	20	28	J-1
J-97	WD 4	500	1,822	506	1,828	20	20	18	J-103
J-95	WD 4	500	1,838	506	1,844	20	20	19	J-103
J-96	WD 4	500	1,858	506	1,864	20	20	17	J-103
J-38	Exisitng	500	1,875	502	1,877	20	20	26	J-39
J-89	WD 4	500	1,880	504	1,883	20	20	7	J-90
J-34	Exisitng	500	1,924	502	1,926	20	20	22	J-47
J-3	Exisitng	500	1,971	502	1,972	20	20	8	J-1
J-91	WD 4	500	1,984	504	1,987	20	20	15	J-90
J-57	Exisitng	500	1,998	502	2,000	20	20	6	J-61
J-40	Exisitng	500	2,021	502	2,023	20	20	15	J-38
J-21	Exisitng	500	2,023	502	2,025	20	20	28	J-1
J-69	Exisitng	500	2,095	502	2,096	20	20	24	J-68
J-19	Exisitng	500	2,172	502	2,174	20	20	27	J-1
J-37	Exisitng	500	2,175	502	2,177	20	20	17	J-42
J-48	Exisitng	500	2,184	502	2,186	20	20	28	J-1
J-108	WD 4	500	2,194	506	2,200	20	20	16	J-109
J-68	Exisitng	500	2,211	502	2,213	20	20	21	J-69
J-36	Exisitng	500	2,262	502	2,263	20	20	14	J-38
J-62	Exisitng	500	2,269	502	2,271	20	20	24	J-68
J-54	Exisitng	500	2,320	502	2,322	20	20	27	J-1
J-52	Exisitng	500	2,344	502	2,345	20	20	27	J-1
J-56	Exisitng	500	2,353	502	2,354	20	20	12	J-61
J-17	Exisitng	500	2,367	502	2,368	20	20	23	J-19
J-18	Exisitng	500	2,432	502	2,433	20	20	18	J-19
J-49	Exisitng	500	2,492	502	2,494	20	20	15	J-48
J-55	Exisitng	500	2,522	502	2,524	20	20	17	J-61
J-15	Exisitng	500	2,551	502	2,553	20	20	17	J-16
J-51	Exisitng	500	2,580	502	2,581	20	20	22	J-61
J-14	Exisitng	500	2,597	502	2,599	20	20	19	J-16
J-29	Exisitng	500	2,669	502	2,671	20	20	27	J-1
J-94	WD 4	500	2,678	506	2,684	20	20	19	J-106
J-6	Exisitng	500	2,720	502	2,721	20	20	6	J-1
J-20	Exisitng	500	2,724	502	2,726	20	20	23	J-52
J-46	Exisitng	500	2,752	502	2,754	20	20	19	J-50
J-45	Exisitng	500	2,791	502	2,793	20	20	24	J-50
J-44	Exisitng	500	2,847	502	2,849	20	20	20	J-38
J-33	Exisitng	500	2,927	502	2,929	20	20	17	J-38
J-24	Exisitng	500	3,013	502	3,015	20	20	21	J-29
J-32	Exisitng	500	3,021	502	3,023	20	20	27	J-35
J-110	WD 4	500	3,423	506	3,429	20	20	20	J-106
J-4	Exisitng	500	3,495	502	3,496	20	20	3	J-1
J-5	Exisitng	500	3,500	502	3,502	20	21	4	J-1
J-7	Exisitng	500	3,500	502	3,502	20	52	26	J-1
J-8	Exisitng	500	3,500	502	3,502	20	49	26	J-1
J-9	Exisitng	500	3,500	502	3,502	20	48	28	J-1

Fire Flow Node FlexTable: Fire Flow Report

Label	Zone	Fire Flow (Needed) (gpm)	Fire Flow (Available) (gpm)	Flow (Total Needed) (gpm)	Flow (Total Available) (gpm)	Pressure (Residual Lower Limit) (psi)	Pressure (Calculated Residual) (psi)	Pressure (Calculated Zone Lower Limit) (psi)	Junction w/ Minimum Pressure (Zone)
J-10	Exisitng	500	3,500	502	3,502	20	55	26	J-1
J-11	Exisitng	500	3,500	502	3,502	20	48	26	J-1
J-12	Exisitng	500	3,500	502	3,502	20	34	25	J-1
J-13	Exisitng	500	3,500	502	3,502	20	36	24	J-16
J-22	Exisitng	500	3,500	502	3,502	20	36	26	J-1
J-23	Exisitng	500	3,500	502	3,502	20	29	26	J-1
J-25	Exisitng	500	3,500	502	3,502	20	37	26	J-1
J-26	Exisitng	500	3,500	502	3,502	20	55	26	J-1
J-27	Exisitng	500	3,500	502	3,502	20	45	26	J-1
J-30	Exisitng	500	3,500	502	3,502	20	56	26	J-1
J-31	Exisitng	500	3,500	502	3,502	20	60	26	J-1
J-63	Exisitng	500	3,500	502	3,502	20	54	28	J-1
J-64	Exisitng	500	3,500	502	3,502	20	51	28	J-1
J-65	Exisitng	500	3,500	502	3,502	20	52	28	J-1
J-66	Exisitng	500	3,500	502	3,502	20	39	28	J-1
J-67	Exisitng	500	3,500	502	3,502	20	26	28	J-1
J-92	WD 4	500	3,500	506	3,506	20	31	20	J-106
J-93	WD 4	500	3,500	506	3,506	20	26	17	J-94

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Flow (gpm)	Velocity (ft/s)	Length (User Defined) (ft)
32	P-1	1,127	J-1	J-2	16.0	Ductile Iron	110.0	-1,750	2.79	8,700
34	P-2	265	J-2	J-3	12.0	Ductile Iron	110.0	-1,752	4.97	0
36	P-3	3,603	J-3	J-4	12.0	Ductile Iron	130.0	-881	2.50	0
38	P-4	644	J-4	J-5	16.0	Ductile Iron	130.0	-883	1.41	0
40	P-5	8,636	J-6	J-3	12.0	Ductile Iron	120.0	539	1.53	0
42	P-6	1,582	J-6	J-7	8.0	PVC	130.0	-541	3.45	0
47	P-8	2,434	J-8	J-9	16.0	Ductile Iron	110.0	-368	0.59	0
48	P-9	1,986	J-9	J-7	16.0	Ductile Iron	110.0	351	0.56	0
49	P-10	1,032	T-1	J-9	16.0	Ductile Iron	110.0	720	1.15	0
51	P-11	1,770	J-7	J-10	16.0	Ductile Iron	110.0	306	0.49	0
53	P-12	1,440	J-10	J-11	12.0	Ductile Iron	110.0	131	0.37	0
55	P-13	2,608	J-11	J-12	12.0	Ductile Iron	110.0	154	0.44	0
57	P-14	4,367	J-12	J-13	12.0	Ductile Iron	110.0	151	0.43	0
59	P-15	6,959	J-13	J-14	12.0	Ductile Iron	110.0	76	0.22	0
61	P-16	888	J-14	J-15	12.0	Ductile Iron	110.0	55	0.16	0
63	P-17	2,917	J-15	J-16	12.0	Ductile Iron	110.0	2	0.00	0
65	P-18	716	J-15	J-17	12.0	Ductile Iron	110.0	52	0.15	0
67	P-19	1,442	J-17	J-18	12.0	Ductile Iron	110.0	51	0.14	0
69	P-20	1,846	J-18	J-19	12.0	Ductile Iron	110.0	49	0.14	0
71	P-21	4,019	J-13	J-20	8.0	Ductile Iron	110.0	40	0.26	0
73	P-22	1,075	J-12	J-21	8.0	Ductile Iron	110.0	2	0.01	0
75	P-23	432	J-11	J-22	8.0	Ductile Iron	110.0	-25	0.16	0
77	P-24	1,231	J-22	J-23	8.0	PVC	130.0	-1	0.01	0
79	P-25	487	J-23	J-24	8.0	PVC	130.0	23	0.14	0
81	P-26	881	J-22	J-25	8.0	Ductile Iron	110.0	-25	0.16	0
82	P-27	1,225	J-25	J-23	8.0	PVC	130.0	25	0.16	0
84	P-28	454	J-25	J-26	8.0	Ductile Iron	110.0	-52	0.33	0
86	P-29	802	J-26	J-27	12.0	Ductile Iron	110.0	20	0.06	0
88	P-30	805	J-27	J-28	4.0	Cast iron	90.0	18	0.46	0
90	P-31	386	J-24	J-29	8.0	PVC	130.0	21	0.13	0
91	P-32	588	J-29	J-28	4.0	Cast iron	90.0	19	0.50	0
93	P-33	689	J-10	J-30	16.0	Ductile Iron	110.0	173	0.28	0
95	P-34	251	J-26	J-31	12.0	Ductile Iron	110.0	-73	0.21	0
96	P-35	549	J-31	J-30	16.0	Ductile Iron	110.0	-75	0.12	0
98	P-36	820	J-30	J-32	8.0	Cast Iron	90.0	96	0.61	0
100	P-37	1,165	J-32	J-33	8.0	Cast iron	90.0	66	0.42	0
102	P-38	279	J-28	J-34	6.0	Cast iron	90.0	36	0.41	0
103	P-39	907	J-34	J-33	6.0	Cast iron	90.0	16	0.18	0
105	P-40	1,123	J-32	J-35	6.0	Cast iron	90.0	28	0.32	0
107	P-41	663	J-35	J-36	6.0	Cast iron	90.0	18	0.20	0
109	P-42	290	J-36	J-37	6.0	Cast Iron	90.0	24	0.27	0
110	P-43	456	J-33	J-36	6.0	Cast iron	90.0	5	0.06	0
112	P-44	2,128	J-35	J-38	6.0	Cast iron	90.0	9	0.11	0
114	P-45	882	J-38	J-39	6.0	Ductile Iron	110.0	2	0.02	0
116	P-46	782	J-38	J-40	12.0	Ductile Iron	110.0	6	0.02	0
117	P-47	2,634	J-36	J-40	12.0	Ductile Iron	110.0	-3	0.01	0
119	P-48	894	J-40	J-41	8.0	Ductile Iron	110.0	2	0.01	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Flow (gpm)	Velocity (ft/s)	Length (User Defined) (ft)
121	P-49	553	J-37	J-42	4.0	Cast iron	90.0	2	0.04	0
123	P-50	766	J-37	J-43	6.0	Ductile Iron	110.0	2	0.02	0
125	P-51	287	J-33	J-44	8.0	Cast iron	90.0	75	0.48	0
126	P-52	380	J-44	J-37	6.0	Cast iron	90.0	-19	0.22	0
128	P-53	246	J-44	J-45	8.0	Ductile Iron	110.0	93	0.59	0
130	P-54	294	J-45	J-46	8.0	Ductile Iron	110.0	91	0.58	0
132	P-55	188	J-34	J-47	6.0	Cast iron	90.0	19	0.21	0
134	P-56	707	J-47	J-48	4.0	Cast iron	90.0	17	0.44	0
136	P-57	572	J-48	J-49	8.0	PVC	130.0	24	0.16	0
138	P-58	549	J-48	J-50	4.0	Cast iron	90.0	-9	0.22	0
139	P-59	748	J-50	J-46	6.0	Cast iron	90.0	-10	0.12	0
141	P-60	1,427	J-49	J-51	8.0	PVC	130.0	10	0.06	0
142	P-61	571	J-46	J-51	8.0	Ductile Iron	110.0	79	0.50	0
143	P-62	8,022	J-49	J-20	8.0	Ductile Iron	110.0	13	0.08	0
145	P-63	758	J-20	J-52	8.0	Ductile Iron	110.0	-7	0.04	0
149	P-65	786	J-20	J-54	8.0	Ductile Iron	110.0	58	0.37	0
151	P-66	1,550	J-55	J-51	12.0	Ductile Iron	110.0	-87	0.25	0
153	P-67	1,997	J-55	J-56	10.0	PVC	130.0	86	0.35	0
155	P-68	5,441	J-56	J-57	10.0	PVC	130.0	84	0.34	0
157	P-69	1,371	J-57	J-58	10.0	PVC	130.0	54	0.22	0
159	P-70	3,474	J-58	J-59	8.0	PVC	130.0	9	0.05	0
161	P-71	2,797	J-58	J-60	10.0	PVC	130.0	44	0.18	0
163	P-72	1,408	J-60	J-61	10.0	PVC	130.0	9	0.04	0
165	P-73	1,059	J-7	J-62	8.0	PVC	130.0	5	0.03	0
168	P-75	2,249	J-63	J-7	12.0	Ductile Iron	110.0	502	1.42	0
170	P-76	615	J-63	J-64	12.0	Ductile Iron	110.0	-504	1.43	0
172	P-77	882	J-64	J-65	12.0	Ductile Iron	110.0	-509	1.44	0
174	P-78	795	J-64	J-66	12.0	Ductile Iron	110.0	3	0.01	0
176	P-79	704	J-66	J-67	12.0	Ductile Iron	110.0	2	0.00	0
178	P-80	894	J-62	J-68	12.0	Ductile Iron	110.0	3	0.01	0
180	P-81	956	J-68	J-69	12.0	Ductile Iron	110.0	2	0.00	0
183	P-82	5,511	J-54	J-70	8.0	PVC	130.0	57	0.36	0
185	P-83	2,629	J-70	J-71	8.0	PVC	130.0	43	0.27	0
187	P-84	1,706	J-71	J-72	8.0	PVC	130.0	57	0.36	0
189	P-85	2,254	J-72	J-73	8.0	PVC	130.0	26	0.17	0
191	P-86	3,702	J-73	J-74	8.0	PVC	130.0	33	0.21	0
193	P-87	307	J-74	J-75	8.0	PVC	130.0	21	0.13	0
197	P-89	4,494	J-75	J-77	10.0	PVC	130.0	14	0.06	0
198	P-90	2,544	J-77	J-76	10.0	PVC	130.0	7	0.03	0
200	P-91	8,259	J-71	J-78	8.0	PVC	130.0	-21	0.14	0
201	P-92	5,939	J-78	J-57	8.0	PVC	130.0	-28	0.18	0
203	P-93	4,504	J-72	J-79	8.0	PVC	130.0	24	0.15	0
205	P-94	2,432	J-79	J-80	8.0	PVC	130.0	30	0.19	0
207	P-95	1,342	J-80	J-81	8.0	PVC	130.0	7	0.04	0
208	P-96	5,234	J-79	J-73	8.0	PVC	130.0	-13	0.09	0
210	P-97	2,841	J-80	J-82	8.0	PVC	130.0	16	0.10	0
212	P-98	947	J-82	J-83	8.0	PVC	130.0	7	0.04	0

FlexTable: Pipe Table

ID	Label	Length (Scaled) (ft)	Start Node	Stop Node	Diameter (in)	Material	Hazen-Williams C	Flow (gpm)	Velocity (ft/s)	Length (User Defined) (ft)
214	P-99	1,921	J-82	J-84	8.0	PVC	130.0	2	0.01	0
215	P-100	5,738	J-84	J-74	8.0	PVC	130.0	-5	0.03	0
217	P-101	6,023	J-73	J-85	8.0	PVC	130.0	-27	0.17	0
218	P-102	6,887	J-85	J-60	8.0	PVC	130.0	-34	0.22	0
220	P-103	1,812	J-70	J-86	8.0	PVC	130.0	7	0.04	0
222	P-104	2,133	J-59	J-87	8.0	PVC	130.0	7	0.04	0
224	P-105	2,577	J-61	J-88	8.0	PVC	130.0	7	0.04	0
226	P-106	5,871	J-52	J-89	8.0	PVC	130.0	-9	0.05	0
228	P-107	3,987	J-89	J-90	8.0	PVC	130.0	4	0.02	0
230	P-108	1,417	J-91	J-89	8.0	PVC	130.0	16	0.10	0
232	P-109	1,905	J-8	J-92	12.0	PVC	130.0	366	1.04	0
234	P-110	2,177	J-92	J-93	12.0	PVC	130.0	280	0.80	0
236	P-111	1,582	J-93	J-94	12.0	PVC	130.0	353	1.00	0
238	P-112	6,507	J-94	J-95	12.0	PVC	130.0	2	0.01	0
240	P-113	454	J-95	J-96	12.0	PVC	130.0	20	0.06	0
242	P-114	711	J-96	J-97	12.0	PVC	130.0	2	0.01	0
244	P-115	3,279	J-97	J-98	12.0	PVC	130.0	6	0.02	0
246	P-116	537	J-97	J-99	8.0	PVC	130.0	18	0.11	0
248	P-117	1,366	J-99	J-100	8.0	PVC	130.0	14	0.09	0
250	P-118	2,246	J-100	J-101	8.0	PVC	130.0	6	0.04	0
253	P-119	1,488	J-102	J-103	8.0	PVC	130.0	-6	0.04	0
254	P-120	1,427	J-103	J-100	8.0	PVC	130.0	-2	0.01	0
255	P-121	2,352	J-103	J-99	8.0	PVC	130.0	-10	0.07	0
256	P-122	1,115	J-99	J-96	8.0	PVC	130.0	-12	0.08	0
258	P-123	946	J-95	J-104	8.0	PVC	130.0	-24	0.15	0
259	P-124	743	J-104	J-97	8.0	PVC	130.0	28	0.18	0
261	P-125	2,602	J-105	J-104	8.0	PVC	130.0	-6	0.04	0
263	P-126	4,641	J-94	J-106	8.0	PVC	130.0	345	2.20	0
265	P-127	2,638	J-106	J-107	10.0	PVC	130.0	6	0.02	0
266	P-128	4,534	J-106	J-3	10.0	PVC	130.0	333	1.36	0
268	P-129	5,006	J-104	J-108	8.0	PVC	130.0	-64	0.41	0
269	P-130	911	J-108	J-19	8.0	PVC	130.0	-47	0.30	0
271	P-131	2,562	J-109	J-108	8.0	PVC	130.0	-6	0.04	0
273	P-132	7,905	J-108	J-110	8.0	PVC	130.0	-29	0.18	0
274	P-133	1,918	J-110	J-92	8.0	PVC	130.0	-80	0.51	0
275	P-134	1,230	J-93	J-110	8.0	PVC	130.0	-78	0.50	0
276	P-135	3,972	J-110	J-13	8.0	PVC	130.0	-33	0.21	0
278	P-136	642	J-69	J-111	8.0	PVC	130.0	0	0.00	0
285	P-137	683	R-1	PMP-1	12.0	Ductile Iron	130.0	510	1.45	1
286	P-138	461	PMP-1	J-65	12.0	Ductile Iron	130.0	510	1.45	1
289	P-139	652	R-2	PMP-2	12.0	Ductile Iron	130.0	884	2.51	1
290	P-140	698	PMP-2	J-5	12.0	Ductile Iron	130.0	884	2.51	1
293	P-141	2,288	J-14	J-91	8.0	PVC	130.0	19	0.12	0

FlexTable: Junction Table

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
30	J-1	694.00	Exisitng	1,750	763.47	30
31	J-2	689.00	Exisitng	2	784.33	41
33	J-3	689.00	Exisitng	2	786.92	42
35	J-4	677.00	Exisitng	2	794.14	51
37	J-5	677.00	Exisitng	2	794.46	51
39	J-6	665.00	Exisitng	2	795.01	56
41	J-7	666.00	Exisitng	2	804.28	60
43	J-8	665.00	Exisitng	2	804.20	60
46	J-9	684.00	Exisitng	2	804.52	52
50	J-10	648.00	Exisitng	2	804.11	68
52	J-11	648.00	Exisitng	2	804.00	67
54	J-12	650.00	Exisitng	2	803.71	67
56	J-13	638.00	Exisitng	2	803.26	71
58	J-14	678.00	Exisitng	2	803.05	54
60	J-15	676.00	Exisitng	2	803.04	55
62	J-16	682.00	Exisitng	2	803.04	52
64	J-17	683.00	Exisitng	2	803.03	52
66	J-18	675.00	Exisitng	2	803.01	55
68	J-19	686.00	Exisitng	2	802.98	51
70	J-20	611.00	Exisitng	2	802.99	83
72	J-21	629.00	Exisitng	2	803.71	76
74	J-22	649.00	Exisitng	2	804.01	67
76	J-23	624.00	Exisitng	2	804.01	78
78	J-24	621.00	Exisitng	2	804.00	79
80	J-25	646.00	Exisitng	2	804.03	68
83	J-26	636.00	Exisitng	2	804.08	73
85	J-27	634.00	Exisitng	2	804.08	74
87	J-28	613.00	Exisitng	2	803.57	82
89	J-29	619.00	Exisitng	2	803.99	80
92	J-30	642.00	Exisitng	2	804.09	70
94	J-31	628.00	Exisitng	2	804.08	76
97	J-32	630.00	Exisitng	2	803.70	75
99	J-33	612.00	Exisitng	2	803.43	83
101	J-34	609.00	Exisitng	2	803.49	84
104	J-35	633.00	Exisitng	2	803.48	74
106	J-36	616.00	Exisitng	2	803.42	81
108	J-37	605.00	Exisitng	2	803.38	86
111	J-38	630.00	Exisitng	2	803.42	75
113	J-39	616.00	Exisitng	2	803.42	81
115	J-40	618.00	Exisitng	2	803.42	80
118	J-41	617.00	Exisitng	2	803.42	81
120	J-42	612.00	Exisitng	2	803.37	83
122	J-43	600.00	Exisitng	2	803.38	88
124	J-44	609.00	Exisitng	2	803.34	84
127	J-45	605.00	Exisitng	2	803.27	86
129	J-46	601.00	Exisitng	2	803.18	87
131	J-47	608.00	Exisitng	2	803.47	85
133	J-48	609.00	Exisitng	2	803.07	84
135	J-49	595.00	Exisitng	2	803.06	90

FlexTable: Junction Table

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
137	J-50	606.00	Exisitng	2	803.16	85
140	J-51	607.00	Exisitng	2	803.05	85
144	J-52	614.00	Exisitng	2	803.00	82
148	J-54	596.00	Exisitng	2	802.89	90
150	J-55	596.00	Exisitng	2	802.99	90
152	J-56	584.00	Exisitng	2	802.86	95
154	J-57	579.00	Exisitng	2	802.52	97
156	J-58	597.00	Exisitng	2	802.48	89
158	J-59	597.00	Exisitng	2	802.47	89
160	J-60	600.00	Exisitng	2	802.43	88
162	J-61	614.00	Exisitng	2	802.43	82
164	J-62	660.00	Exisitng	2	804.28	62
167	J-63	650.00	Exisitng	2	806.45	68
169	J-64	658.00	Exisitng	2	807.04	64
171	J-65	658.00	Exisitng	2	807.91	65
173	J-66	656.00	Exisitng	2	807.04	65
175	J-67	661.00	Exisitng	2	807.04	63
177	J-68	651.00	Exisitng	2	804.28	66
179	J-69	648.00	Exisitng	2	804.28	68
182	J-70	582.00	WD 4	7	802.40	95
184	J-71	611.00	WD 4	7	802.26	83
186	J-72	583.00	WD 4	7	802.10	95
188	J-73	616.00	WD 4	7	802.05	80
190	J-74	631.00	WD 4	7	801.93	74
192	J-75	631.00	WD 4	7	801.93	74
194	J-76	631.00	WD 4	7	801.91	74
196	J-77	658.00	WD 4	7	801.92	62
199	J-78	578.00	WD 4	7	802.37	97
202	J-79	598.00	WD 4	7	802.02	88
204	J-80	604.00	WD 4	7	801.95	86
206	J-81	608.00	WD 4	7	801.95	84
209	J-82	625.00	WD 4	7	801.93	77
211	J-83	632.00	WD 4	7	801.92	74
213	J-84	631.00	WD 4	7	801.93	74
216	J-85	612.00	WD 4	7	802.19	82
219	J-86	661.00	WD 4	7	802.39	61
221	J-87	583.00	WD 4	7	802.47	95
223	J-88	614.00	WD 4	7	802.42	82
225	J-89	640.00	WD 4	4	803.01	71
227	J-90	670.00	WD 4	4	803.01	58
229	J-91	647.00	WD 4	4	803.02	68
231	J-92	687.00	WD 4	6	803.45	50
233	J-93	685.00	WD 4	6	802.92	51
235	J-94	708.00	WD 4	6	802.34	41
237	J-95	702.00	WD 4	6	802.34	43
239	J-96	699.00	WD 4	6	802.34	45
241	J-97	699.00	WD 4	6	802.34	45
243	J-98	703.00	WD 4	6	802.34	43
245	J-99	694.00	WD 4	6	802.34	47

FlexTable: Junction Table

ID	Label	Elevation (ft)	Zone	Demand (gpm)	Hydraulic Grade (ft)	Pressure (psi)
247	J-100	703.00	WD 4	6	802.33	43
249	J-101	696.00	WD 4	6	802.32	46
251	J-102	703.00	WD 4	6	802.32	43
252	J-103	705.00	WD 4	6	802.33	42
257	J-104	700.00	WD 4	6	802.36	44
260	J-105	703.00	WD 4	6	802.36	43
262	J-106	719.00	WD 4	6	790.55	31
264	J-107	707.00	WD 4	6	790.55	36
267	J-108	684.00	WD 4	6	802.92	51
270	J-109	693.00	WD 4	6	802.92	48
272	J-110	683.00	WD 4	6	803.12	52
277	J-111	656.00	WD 4	0	804.28	64

APPENDIX G
BUDGET REPORT (FORM E)

RURAL DEVELOPMENT (RD) PROJECT BUDGET/COST CERTIFICATION

Project Name:

Date:

Report No.:
 Actual:
 Estimate:

Funding Source(s)	Amount
RD Loan	\$5,900,000.00
RD Loan	
RD Grant	\$3,058,000.00
RD Grant	
SUB TOTAL:	\$8,958,000.00

Other Funding Source(s)	Amount
Other Source:	
Other Source:	
Other Source:	
SUBTOTAL:	\$0.00
TOTAL:	\$8,958,000.00

ITEM	APPROVED BUDGET	MODIFIED BUDGET	PREVIOUS EXPENDITURES	EXPENDITURES THIS PERIOD	EXPENDITURES TO DATE	BALANCE REMAINING
A. ADMINISTRATIVE						
1. Legal	\$75,000.00					
2. Bonding	\$75,000.00					
3. Net Interest	\$135,000.00					
4. Fiscal Coordination	\$40,000.00					
5. Project Management	\$50,000.00					
6. Lands & Rights of Way	\$10,000.00					
7. Single Audit	\$25,000.00					
8. Miscellaneous	\$9,477.00					
Total A. Administrative	\$419,477.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
B. TECHNICAL SVCS.						
1. Engineering						
a. Study and Report Phase	\$10,000.00					
b. Preliminary Design Phase	\$197,426.00					
c. Final Design Phase	\$180,000.00					
d. Bidding and Negotiation Phase	\$26,000.00					
e. Construction Phase	\$110,000.00					
f. Post Construction Phase	\$6,928.00					
g. Resident Project Representative	\$275,000.00					
h. Additional Services	\$25,000.00					
2. SEQR/NEPA Compliance	\$9,500.00					
Total B. Technical Svcs.	\$839,854.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
C. CONSTRUCTION						
1. Construction Contracts						
a. Contract 1	\$6,998,790.00					
b. Contract 2						
c. Contract 3						
d. Contract 4						
e. Contract 5						
2. Direct Expenditures						
a.						
b.						
c.						
Total C. Construction	\$6,998,790.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
D. CONTINGENCY						
1. Contingency	\$699,879.00					
Total D. Contingency	\$699,879.00					\$0.00
TOTAL PROJECT COST	\$8,958,000.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00

I certify to the best of my knowledge and belief that the billed costs or disbursements are in accordance with the terms of the project and that the reimbursement represents the Federal share due, which has not been previously requested and that an inspection has been performed and all work is in accordance with the terms of the award.

 5/17/19
 Engineer/ Architect

Applicant _____ Title _____

Reviewed By _____ Date Reviewed _____