



**MAP, PLAN AND REPORT
For
SACKETT LAKE SEWER DISTRICT
COLLECTION SYSTEM IMPROVEMENT PROJECT**



SULLIVAN COUNTY, NEW YORK

Client:

Town of Thompson
4052 Route 42
Monticello, NY 12701

Prepared by:

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1.0 PROJECT BACKGROUND AND HISTORY

a. Site Information

The Town of Thompson and the New York State Department of Environmental Conservation entered into an Order on Consent in 2015 related to discharge violations at the Sackett Lake WWTP. The majority of these violations were attributed to Inflow and Infiltration, which diluted influent concentrations and raised plant flows. The Town completed an SSES Report in 2016, and an additional update in 2018 which identified the gravity main which runs from the southern end of Sackett Lake to the WWTP as the most likely source of I&I to the system. The Town subsequently applied for and received an Engineering Planning Grant to further evaluate this section of main and provide for recommendations to address the issue. The remainder of this report will discuss the cost associated with implementing the recommended scope of work.

The Sackett Lake WWTP provides sanitary sewer service to the residential community, which has developed around Sackett Lake over the past 50 plus years. The Sackett Lake community is located approximately 4 miles South west of Monticello and to the west of New York State Route 42. A plan showing the area and containing location maps is provided in Attachment A of this report. Sackett Lake Road passes through the area from Route 42 south to the Town of Forestburgh line.

The outlet of Sackett Lake is a class B stream that flows from North to South, through a small pond and Forest Lake. The stream then passes the WWTP and receives effluent from the outfall. A New York State regulated wetland exists to the West of the WWTP site. According to the NYS DEC Environmental Resource Mapper, there are no critical environment areas, threatened or endangered animals or plants or archeological sites within the project area.

According to Firm Community Panel 36105CO582F, a 100-year flood plain does exist in the area where the outlet of Sackett Lake crosses Sackett Lake Road. Proposed work will be constructed with appropriate requirements for structures within the flood plain. There are no unusual geologic conditions in the project area and the soils in the vicinity do not appear to pose unusual construction challenges.

b. Ownership and Service Area

The Town of Thompson owns and operates the Sackett Lake WWTP and associated collection system. There are approximately 635 parcels in the district. A total of 464 parcels are developed with residential dwellings. The limits of the sewer district are shown on the plan provided in Attachment A of this report. There are no outside district users and the system does not accept any hauled wastes.

The United States Census Bureau indicated a population of approximately 15,000 for the Town of Thompson. This represents a change of approximately -2% from the 2010 data. The population in the Sackett Lake service area appears to follow this trend and is relatively unchanged. There are no major developments proposed within the service area at this time.

c. Existing Facilities and Present Condition

The Sackett Lake WWTP is permitted to discharge an average day flow of 0.5 MGD as set forth in SPDES permit NY 0030716. The permit has an effective date of 4/1/2017 and expires on 3/31/2022. As noted in Section 1, the Town has entered into an Order on Consent related to previous violations at the WWTP. The purpose of this report is to evaluate a portion of the collection system, which was previously identified as potentially contributing I & I to the system which impacted plant performance. Therefore, this report will focus on the area of concern and information regarding the existing WWTP is not provided herein.

The previous SSES reports identified the section of gravity main from manhole A31, which is located at the south end of Sackett Lake, to Manhole A1, which is located just north of the WWTP, for further evaluation. This section was cleaned and inspected utilizing CCTV in February and March 2020.

The gravity main section evaluated is approximately 6,400 feet in length and consist of 12" diameter main. Approximately 5,200 feet of main is asbestos cement (ac) while the remaining 1,200 feet is ductile iron material. The main is not installed in roadways, and large sections pass through vacant wooded land. The inspection logs detail many areas of root intrusion, pipe joint separation and areas of infiltration. There are also several sections of main with sags that exceed 50% of the cross sectional area of the main.

The minimum slope noted in the collection system appears to be 0.25%, which complies with the States Standards for a 12" main. At this slope, the 12" diameter main has a capacity of 1.28 MGD. The peak flow rate for the collection system is not known. However, the operator has not reported issues with surcharging in the system.

The sewer manholes in this portion of the collection system appear to be constructed of brick or concrete block. Most of the manholes are in fair condition with some root penetration and seepage at joints. Manhole A3 was noted to be in poor condition with leaks at joints and main penetrations.

d. Definition of the Problem

In order to evaluate the potential of Inflow and Infiltration to impact the WWTP, the facility monthly discharge reports were reviewed and effluent flow versus daily precipitation were graphed for 2018 and 2019. As demonstrated on the graphs, flows at the WWTP increase significantly during periods of precipitation. For example, during May 12th and 13th, 2019 1.6" of precipitation was recorded and plant flows for those two days was 0.5098 and 0.5785 MGD. Flows for the month of May 2019 only averaged 0.21 MGD.

The increased inflow and infiltration results in wasted energy and chemical usage to treat these additional flows. This also results in a diluted effluent strength, which has contributed to the WWTP not meeting percent removal limits for BOD and TSS, as the influent values are extremely low.

e. Financial Status

The Sackett Lake Sewer District currently generates operating revenue by assessing Operations and Maintenance (O&M) charges to users of the system. Current 2021 rates are \$68.68 per point, and a single-family dwelling is assessed at 10 points. The 2021 sewer bill for a dwelling was therefore \$686.80 for the year. The operating budget for the district was approximately \$335,000 for the 2021 fiscal year.

The District currently does not have any debt related to capital improvements projects and therefore did not assess any capital fees in 2021. The District is also not required to maintain any reserve funds at this time.

2.0 PROPOSED PROJECT**a. Description**


The Engineering Report prepared utilizing the EPG evaluated two alternatives available to address the I&I being experienced in this portion of the Sackett Lake collection system. There is a third alternative, No Action, which is not being considered. Ignoring the problem will continue to allow I & I into the system and no doubt cause permit violations at the WWTP. The two alternatives evaluated consisted of main replacement or main rehabilitation utilizing trenchless technology. The Report recommended the main rehabilitation, which is described below.

The system rehabilitation alternative (the project) consists of utilizing Cured-in-place pipe (CIPP) to line the existing main. This alternative does not require excavation of the pipe. Manholes are repaired with grout and then sealed utilizing a cured-in-place fiberglass liner. This method works well in areas where the pipe is structurally sound, which is the majority of the system reviewed. However, the CIPP method will not address large sags or defects in the main. The CCTV inspections revealed large sags in the pipe runs between manholes A6 and A1, A30-A29 and also between manholes A18 and A17. These runs are approximately 1,800 feet in length and are not suited for CIPP. These portions need to be replaced with new main and manholes. Capacity of the CIPP mains will be slightly increased as compared to the existing main as the roughness coefficient of the CIPP main is decreased. The estimated construction schedule for partial replacement and CIPP rehabilitation of the system is 6 weeks. A plan showing the proposed limits and scope of work is provided as Attachment D.

b. Cost Estimate

A Project cost estimates has been prepared and is provided in the table below:

Sewer Main Partial Replacement and CIPP Rehabilitation:

		Sackett Lake Sewer District Collection System Improvement Project NYSEFC Engineering Planning Grant Town of Thompson Sullivan County, New York				Last Revised: 7-Jul-21 Revised By: MJS	
MCGOEY, HAUSER & EDSALL CONSULTING ENGINEERS, D.P.C.		CIPP/Partial Replacement Estimate of Probable Construction Cost					
BID ITEM	DESCRIPTION	SOURCE	QUANTITY	UNIT	UNIT PRICE AVG	TOTALS AVG	
1	mobilization/demob/MPT - 8-10% of bid total		4	EA	\$ 24,000.00	\$ 96,000	
2	12" sewer main lining		4,600	LF	\$ 80.00	\$ 368,000	
3	point repair		10	EA	\$ 10,000.00	\$ 100,000	
4	12" sewer main replacement		1,800	LF	\$ 225.00	\$ 405,000	
5	Manhole lining, verticle foot		310	VF	\$ 600.00	\$ 186,000	
6	manhole replacement		5	EA	\$ 10,000	\$ 50,000	
C-1	rock excavation		20	CY	\$ 100	\$ 2,000	
C-2	test pits		25	CY	\$ 200	\$ 5,000	
C-3	Additional Select Fill		150	CY	\$ 50	\$ 7,500	
C-4	Additional Crushed Stone		25	CY	\$ 65	\$ 1,625	
C-5	Additional class 3 concrete		10	CY	\$ 500	\$ 5,000	
C-6	Additional manhole frame and cover		2	EA	\$ 2,000	\$ 4,000	
C-7	additional restoration allowance		1	EA	\$ 5,000	\$ 5,000	
Subtotal						\$ 1,235,125	
<i>Project Contingencies</i>						<i>\$ 125,000</i>	
Estimated Total Construction Cost						\$ 1,360,125	
<i>Engineering Design, agency approval</i>						<i>\$ 115,000</i>	
<i>Construction observation</i>						<i>\$ 70,000</i>	
<i>Bond Counsel, Legal & Admin</i>						<i>\$ 20,000</i>	
Total Design and Construction Cost						\$ 1,565,125	

3.0 BENEFIT AREA

The proposed project will benefit the entire existing Sackett Lake Sewer District. The District is not being expanded. A map showing the current District boundary is provided as Attachment A and a list of parcels within the District is provided as Attachment B of this Report.

4.0 FINANCIAL ANALYSIS

The Sackett Lake Sewer District currently assesses sewer rents on a point system, which is based upon the property classification. The schedule of points by property use in Attachment C of this Report.

The current sewer rents for the Sackett Lake District are \$68.68/Point for annual operation and maintenance (O&M) costs. The District did not assess Capital Debt rates for 2021. For example, a 4 bedroom single family residence, property classification 210, would pay the following sewer rents.

$$\text{Capital Costs (Debt)} = 10 \text{ Points } (\$0.00/\text{Point}) = \$0.00$$

$$\text{O\&M Costs} = 10 \text{ Point } (\$68.68/\text{Point}) = \$686.80$$

$$\text{Total Annual Sewer Costs} = \$686.80$$

The estimated cost of the proposed project is \$1,593,923.30. If the project is funded through CWSRF there will be an estimated \$28,798.30 in insurance costs bringing the project total to \$1,593,923.30. The Town is applying to NYS EFC for a WIIA Grant, which would offset 25% of the project cost. However, if the Grant is not obtained, and the Town finances the full project cost through the CWSRF, the following is the estimated annual cost.

Total Project Cost = \$1,593,923.30

Annual Payment, 30 years @ 2% Interest = \$71,168.55

Total District Sewer Debt Points = 8966.28

Annual Project Cost Per Point = \$7.94

Upon completion of the project, the estimated annual cost for a 4 bedroom single family home would be:

O&M Costs = 10 Point (\$68.68/Point) = \$686.80

Capital Debt Cost = 10 Point (\$7.94/Point) = \$79.40

Total Annual Cost = \$766.20

Respectfully submitted,

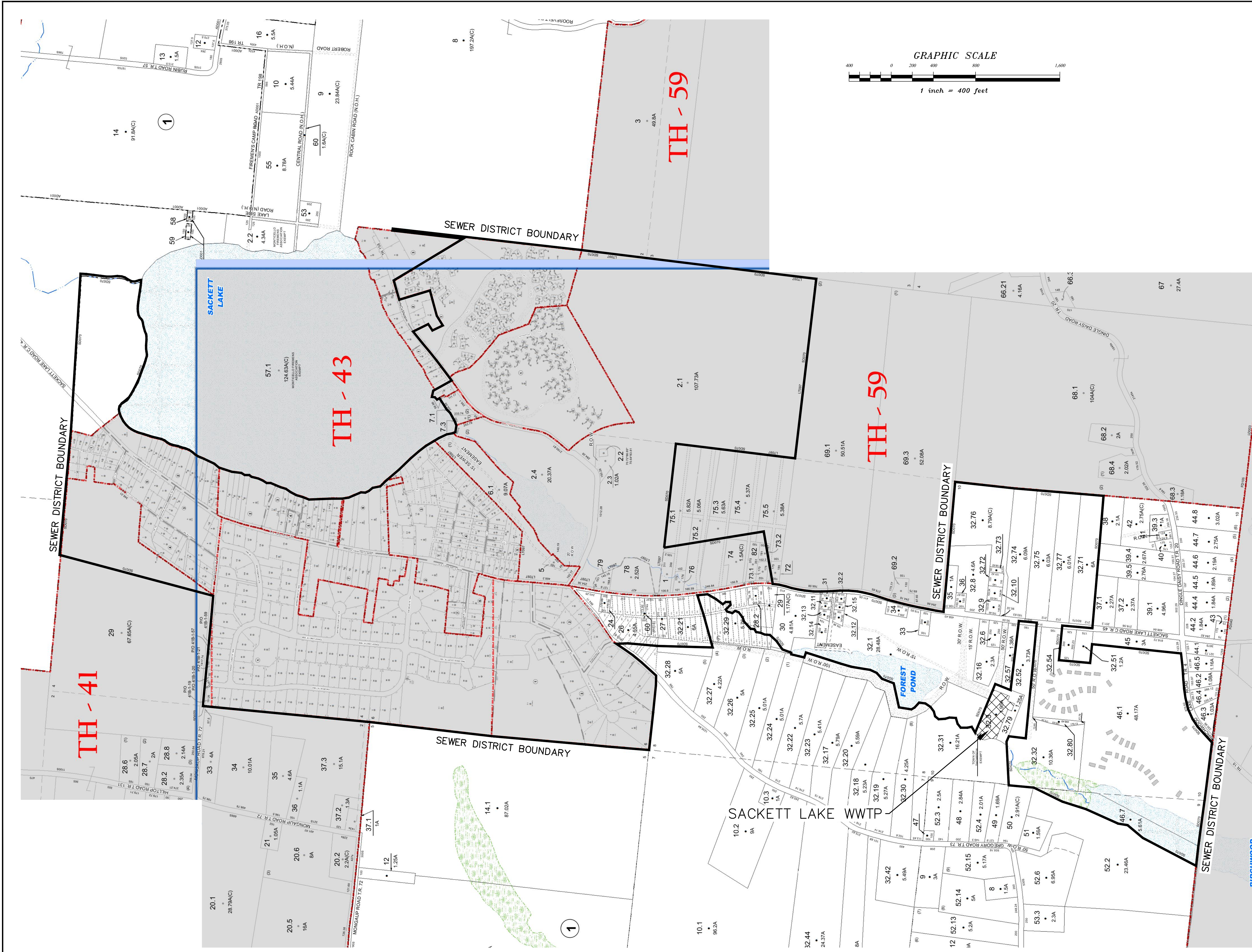
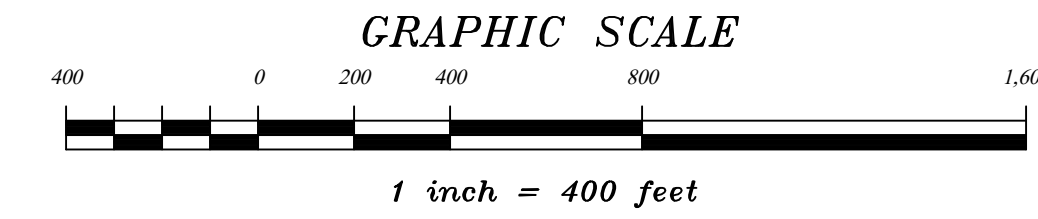
MHE Engineering, D.P.C.



Matthew Sickler, P.E.

Attachment A

Current District Boundary



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SACKETT LAKE SEWER DISTRICT

FOR THE TOWN OF THOMPSON, NY

ATTACHMENT A BOUNDARY MAP

REVISIONS		
NO.	DESCRIPTION	DATE

ISSUED DATE:	2 NOV, 2021
DESIGN BY:	JV
DRAWN BY:	HPB/r
CHECKED BY:	JV
REVIEWED BY:	MS

ATT-A

F:\2019\19-706 Sackett Lake Sewer 1A Study\Drawings\Sackett Lake Sewer District 19-16-2020.dwg, Layout1, 11/09/2021, 10:00:58 AM

Attachment B

Parcels within District Boundary

Primary Units = Capital Points
Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Units	Secondary Units
41.-1-29	417	694.6	534.6
41.B-1-1.1	544	63	63
41.B-1-1.2	853	0	0
41.B-1-2	311	3	0
41.B-1-3	311	3	0
41.B-1-4	311	3	0
41.B-1-5	311	3	0
41.B-1-6	311	3	0
41.B-1-7	311	3	0
41.B-1-8	311	3	0
41.B-1-9	311	3	0
41.B-1-10	311	3	0
41.B-1-11	311	3	0
41.B-1-12	311	3	0
41.B-1-13	311	3	0
41.B-1-14	311	3	0
41.B-1-15	311	3	0
41.B-1-16	311	3	0
41.B-1-17	311	3	0
41.B-1-18	311	3	0
41.B-1-19	311	3	0
41.B-1-20	210	10	10
41.B-1-21	210	10	10
41.B-1-22	311	3	0
41.B-1-23	311	3	0
41.B-1-24	311	3	0
41.B-1-25	311	3	0
41.B-1-26	311	3	0
41.B-1-27	311	3	0
41.B-1-28	311	3	0
41.B-1-29	311	3	0
41.B-1-30	311	3	0
41.B-1-31	311	3	0
41.B-1-32	311	3	0
41.B-1-33	311	3	0
41.B-1-34	311	3	0
41.B-1-35	311	3	0
41.B-1-36	311	3	0
41.B-1-37	311	3	0
41.B-1-38	311	3	0
41.B-1-39	311	3	0
41.B-1-40	311	3	0
41.B-1-41	311	3	0
41.B-1-42	311	3	0
41.B-1-43	311	3	0
41.B-1-44	311	3	0
41.B-1-45	311	3	0
41.B-1-46	311	3	0
41.B-1-47	311	3	0
41.B-1-48	210	10	10
41.B-1-49	311	3	0

Primary Units = Capital Points
Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
41.B-1-50	210	10	10
41.B-1-51	311	3	0
41.B-1-52	210	10	10
41.B-1-53	311	3	0
41.B-1-54	311	3	0
41.B-1-55	440	20	20
41.B-1-56	210	10	10
41.B-1-57	210	10	10
41.B-1-58	311	3	0
41.B-1-59	210	10	10
41.B-1-60	210	10	10
41.B-1-61	210	10	10
41.B-1-62	210	10	10
41.B-1-63	311	3	0
41.B-1-64	210	10	10
41.B-1-65	311	3	0
41.B-1-66	311	3	0
41.B-1-67	311	3	0
41.B-1-68	311	3	0
41.B-1-69	210	10	10
41.B-1-70	210	10	10
41.B-1-71	210	10	10
41.B-1-72	210	10	10
41.B-1-73	210	10	10
41.B-1-74	311	3	0
41.B-1-75	311	3	0
41.B-1-76	311	3	0
41.B-1-77	311	3	0
41.B-1-78	311	3	0
41.B-1-79	311	3	0
41.B-1-80	311	3	0
41.B-1-81	311	3	0
41.B-1-82	311	3	0
41.B-1-83	311	3	0
41.B-1-84	311	3	0
41.B-1-85	314	3	0
41.B-1-86	311	3	0
41.B-1-87	210	10	10
41.B-1-88	311	3	0
41.B-1-89	311	3	0
41.B-1-90	311	3	0
41.B-1-91	311	3	0
41.B-1-92	311	3	0
41.B-1-93	311	3	0
41.B-1-94	311	3	0
41.B-1-95	311	3	0
41.B-1-96	210	20	20
41.B-1-97	210	20	20
41.B-1-98	210	10	10
41.B-1-100	311	3	0
41.B-1-101	210	10	10

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
41.B-1-102	311	3	0
41.B-1-103	311	3	0
41.B-1-104	311	3	0
41.B-1-105	311	3	0
41.B-1-106	311	3	0
41.B-1-107	311	3	0
41.B-1-108	311	3	0
41.B-1-109	210	10	10
41.B-1-110	311	3	0
41.B-1-112	210	10	10
41.B-1-113	311	3	0
41.B-1-114	210	10	10
41.B-1-115	210	10	10
41.B-1-116	210	10	10
41.B-1-117	210	20	20
41.B-1-118	210	20	20
41.B-1-119	210	10	10
43.-1-2.1	323	1620	0
43.-1-5	210	10	10
43.-1-6.1	210	20	20
43.-1-7.1	311	4	0
43.-1-7.3	311	3	0
44.-1-1	280	20	20
44.-1-2	260	10	10
44.-1-3	210	10	10
44.-1-4	260	10	5
44.-1-5	260	10	5
44.-1-6	260	10	5
44.-1-7	260	10	10
44.-1-8	260	10	5
44.-1-9.1	260	10	5
44.-1-9.2	311	3	0
44.-1-11	311	3	0
44.-1-12	260	10	5
44.-1-14.2	210	10	10
44.-1-14.3	260	10	5
44.-1-15	260	10	5
44.-1-16	425	20	20
44.-1-17	311	0.01	0
44.-2-1	311	4	0
44.-2-2	210	10	10
44.-2-3	210	10	10
44.-2-4	210	10	5
44.-2-5	260	10	5
44.-2-6	312	4	0
44.-2-7	210	10	10
44.-2-8.1	220	20	20
44.-2-9	280	20	10
44.-2-10	280	20	15
44.-2-11	311	4	0
44.-2-12	280	30	20

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
44.-2-15	620	10	5
44.-2-16	311	4	0
44.-2-17.1	210	10	10
44.-2-17.2	210	10	5
44.-2-17.3	260	10	5
44.-2-17.4	210	10	10
44.-2-17.5	210	10	10
44.-3-1	260	10	5
44.-3-2	210	10	10
44.-3-3	311	3	0
44.-3-4	311	3	0
44.-3-5	312	10	0
44.-3-6	210	10	10
44.-3-7	330	3	0
44.-3-8	330	3	0
44.-4-1	260	10	5
44.-4-2	210	10	10
44.-4-3	280	20	10
44.-4-4	260	10	5
44.-4-5	260	10	5
44.-4-6	260	10	5
44.-4-7	260	10	5
44.-4-8	260	10	5
44.-4-9.1	311	3	0
44.-4-9.2	311	3	0
44.-4-10	260	10	5
44.-4-13	260	10	5
44.-4-14	210	10	10
44.-4-15	210	10	10
44.-4-16	260	10	5
44.-4-17	330	3.5	0
44.-4-18	311	3	0
44.-4-19	311	3	0
44.-5-1	311	3	0
44.-5-2	210	10	10
44.-5-3	260	10	5
44.-5-4	210	10	10
44.-5-5	210	10	10
44.-5-6	210	10	10
44.-5-7	260	10	5
44.-5-8	210	10	10
44.-5-9	260	10	5
44.-5-11	260	10	5
44.-5-13	260	10	5
44.-5-14	311	3	0
44.-5-15	260	10	5
44.-5-17	260	10	5
45.-2-1	210	20	20
45.-2-2	260	10	5
45.-2-3	210	20	20
45.-2-4	210	10	10

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
45.-2-5	210	10	10
45.-2-6	280	20	20
45.-2-7	210	10	10
45.-3-1.1	210	10	10
45.-3-1.2	311	3	0
45.-3-2	311	10	10
45.-3-3	210	20	20
45.-3-4	210	10	10
45.-3-5	311	4	0
45.-3-6	210	10	10
45.-3-7	311	0.01	0
45.-3-8	312	0.01	0
45.-4-1	210	10	10
45.-4-2	210	10	10
45.-5-1	260	10	5
45.-5-2	210	10	10
45.-5-3	260	10	5
45.-5-4	260	10	5
45.-5-5.1	210	10	10
45.-5-5.2	210	10	10
45.-5-6	311	4	0
45.-5-7	311	10	0
45.-5-8	210	10	10
45.-5-10.1	280	20	20
45.-5-10.2	260	10	5
45.-5-11	210	10	10
45.-5-12	260	10	5
45.-5-13	210	10	10
45.-5-14	210	20	20
45.-6-1	210	20	20
45.-6-2	210	10	10
45.-6-3	280	106	106
45.-6-4	210	20	20
45.-6-5.1	210	10	10
45.-6-5.2	210	10	10
45.-6-6	210	10	10
45.-7-1.1	311	3	0
45.-7-1.2	260	10	5
45.-7-1.3	311	10	0
45.-7-1.4	260	10	5
45.-7-1.5	210	10	10
45.-7-1.6	210	20	20
45.-7-2	210	10	10
45.-7-3	210	10	10
45.-7-4	260	10	5
45.-7-5	210	10	10
45.-7-6	210	10	10
45.-7-7	210	20	20
45.-7-8	260	10	5
45.-7-9	210	10	10
45.-7-10	210	10	10

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
45.-7-11	210	10	10
45.-7-13	210	10	10
45.-7-15	210	10	10
46.-2-2	311	3	0
46.-2-3	220	20	20
46.-2-4	210	10	10
46.-2-5	311	3	0
46.-3-1.1	210	20	20
46.-3-1.2	210	20	20
46.-3-1.3	210	10	10
46.-3-1.4	311	3	0
46.-3-1.5	210	10	10
46.-3-1.7	311	4	0
46.-3-2.2	260	10	5
46.-3-4	220	20	20
46.-3-5.1	311	3	0
46.-3-6.2	311	3	0
46.-3-8	210	10	10
46.-3-9	260	10	5
46.-3-10	210	20	20
46.-3-11	260	10	5
46.-3-12.1	280	30	30
46.-3-12.2	210	10	10
46.-3-13.1	314	8	0
46.-3-15.1	560	4	0
46.-3-15.2	210	10	10
46.-3-16	210	10	10
46.-3-17	210	10	10
46.-3-18	210	10	10
46.-3-19	210	10	10
46.-3-20.2	210	10	10
46.-3-21	210	10	10
46.-3-22	210	10	10
46.-3-23	210	10	10
46.-3-24	210	10	10
46.-3-25	210	10	10
46.-3-26	210	10	10
46.-3-27	210	20	20
46.-3-28.1	280	20	20
46.-3-28.2	210	10	10
46.-3-28.3	210	10	10
46.-3-29	311	0.01	0
46.-3-30	311	3	0
46.-3-31	311	3	0
46.-4-1	210	10	10
46.-4-2	210	10	10
46.-4-3	210	10	10
46.-4-4	210	10	10
46.-4-5	210	10	10
46.-4-6	210	10	10
46.-4-7	210	10	10

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
46.-4-8	210	10	10
46.-4-9	210	10	10
46.-4-10.1	312	3	0
46.-4-10.2	210	10	10
46.-4-11	210	10	10
46.-4-12	210	10	10
46.-4-13	210	10	10
46.-4-14	210	10	10
46.-5-1	210	10	10
46.-5-2	210	10	10
46.-5-3.1	311	3	0
46.-5-3.2	210	10	10
46.-5-4	210	10	10
46.-5-5.1	210	10	10
46.-5-5.2	260	10	5
46.-5-5.3	210	10	10
46.-5-5.4	210	10	10
46.-5-5.5	210	10	10
46.-5-5.6	210	10	10
46.-5-6	210	10	10
46.-5-7	210	10	10
46.-6-1.1	210	20	20
46.-6-1.2	210	0.01	0
46.-6-1.3	311	3	0
46.-6-1.4	210	0.01	0
46.-7-2	210	0.01	0
46.-7-3	210	0.01	0
46.-7-5	311	3	0
47.-1-1.1	210	10	10
47.-1-3	210	0	0
47.-1-4	210	0	0
56.-1-24	210	10	10
56.-1-26	210	10	10
56.-1-27	210	10	10
56.-1-28.2	311	3	0
56.-1-29	210	10	10
56.-1-30	210	10	10
56.-1-31	210	10	10
56.-1-32.1	240	148.25	10
56.-1-32.2	210	10	10
56.-1-32.6	210	0.01	0
56.-1-32.8	210	10	10
56.-1-32.9	210	10	10
56.-1-32.10	210	10	10
56.-1-32.11	210	10	10
56.-1-32.12	210	10	5
56.-1-32.13	210	10	5
56.-1-32.14	311	3	0
56.-1-32.15	210	10	10
56.-1-32.16	314	11.5	0
56.-1-32.21	314	24.5	0

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
56.-1-32.29	314	0.01	0
56.-1-32.31	240	10	0
56.-1-32.32	240	175	175
56.-1-32.57	314	6.9	0
56.-1-32.71	314	33.75	0
56.-1-32.72	210	10	10
56.-1-32.73	311	0.01	0
56.-1-32.74	314	30	0
56.-1-32.75	314	30	0
56.-1-32.76	210	10	10
56.-1-32.77	314	30	0
56.-1-32.80	314	2.5	0
56.-1-33	210	10	10
56.-1-34	210	0.01	0
56.-1-35	210	10	10
56.-1-36	210	10	10
56.-1-46.1	600	120	120
56.-1-46.1/0101	210	20	20
56.-1-46.1/0201	210	20	20
56.-1-46.1/0301	210	20	20
56.-1-46.1/0501	210	20	20
56.-1-46.1/0701	210	20	20
56.-1-46.1/0801	210	20	20
56.-1-46.1/0901	210	20	20
56.-1-46.1/1001	210	20	20
56.-1-46.1/1101	210	10	10
56.-1-46.1/1201	210	20	20
56.-1-46.1/1301	210	20	20
56.-1-46.1/1401	210	20	20
56.-1-46.1/1501	210	20	20
56.-1-46.1/1601	210	20	20
56.-1-46.1/1701	210	10	10
56.-1-46.1/1801	210	20	20
56.-1-46.1/1901	210	10	10
56.-1-46.1/2001	210	20	20
56.-1-46.1/2101	210	10	10
56.-1-46.1/2201	210	20	20
56.-1-46.1/2301	210	10	10
56.-1-46.1/2401	210	10	10
56.-1-46.1/2501	210	20	20
56.-1-46.1/2601	210	10	10
56.-1-46.1/2701	210	10	10
56.-1-46.1/2801	210	20	20
56.-1-46.1/2901	210	20	20
56.-1-46.1/3001	210	20	20
56.-1-46.1/3101	210	20	20
56.-1-46.1/3201	210	20	20
56.-1-46.1/3701	210	20	20
56.-1-46.1/3801	210	20	20
56.-1-46.1/3901	210	20	20
56.-1-46.1/4001	210	20	20

Primary Units = Capital Points
 Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
56.-1-46.1/4101	210	20	20
56.-1-46.1/4301	210	20	20
56.-1-46.1/4501	210	20	20
56.-1-46.1/4701	210	20	20
56.-1-46.1/5201	210	10	10
56.-1-46.1/5401	210	10	10
56.-1-46.1/5501	210	10	10
56.-1-46.1/5601	210	20	20
56.-1-46.1/5701	210	10	10
56.-1-46.1/5801	210	20	20
56.-1-46.1/5901	210	20	20
56.-1-46.1/6001	210	20	20
56.-1-46.1/6101	210	20	20
56.-1-46.1/6201	210	20	20
56.-1-46.1/6301	210	10	10
56.-1-46.1/6501	210	10	10
56.-1-46.1/6701	210	10	10
56.-1-46.7	315	0	0
56.-1-60	311	3	0
56.A-1-1	260	10	5
56.A-1-3	210	10	10
56.A-1-4	311	10	10
56.A-1-7.1	322	60.65	0
56.A-1-7.2	210	10	10
56.A-1-7.4	311	3	0
56.A-2-1	260	10	5
56.A-2-2	210	10	10
56.A-2-3	210	10	10
56.A-2-4	210	10	10
56.A-2-5	210	10	10
56.A-2-6	210	10	10
56.A-2-7.1	311	3	0
56.A-2-8	210	10	10
56.A-2-9	210	10	10
56.A-2-10	311	3	0
56.A-2-11	311	3	0
56.A-2-12	210	10	10
56.A-3-1	210	10	10
56.A-3-3	210	0.01	0
56.A-3-7	314	3	0
56.A-3-8	210	10	10
56.A-3-9	210	20	20
56.A-3-11.2	210	10	10
56.A-3-12	311	3	0
56.A-3-13	210	10	10
56.A-3-14	210	10	10
56.A-3-15	210	10	10
56.A-3-17	210	10	10
56.A-3-18	210	10	10
56.A-3-19	210	10	10
56.A-3-20	311	3	0

Primary Units = Capital Points
Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
59.-1-1	314	3	0
59.-1-2.1	323	0	0
59.-1-2.2	210	10	10
59.-1-2.3	312	5	0
59.-1-73.1	311	3	0
59.-1-73.2	311	3	0
59.-1-74	314	3	0
59.-1-76	311	3	0
59.-1-78	280	20	20
59.-1-79	210	10	10
59.-1-82	311	3	0
59.A-1-1	210	10	10
59.A-1-2	210	10	10
59.A-1-3	210	10	10
59.A-1-4	210	10	10
59.A-1-5	210	10	10
59.A-1-6	210	10	10
59.A-1-7	210	10	10
59.A-1-8	210	10	10
59.A-1-9	210	10	10
59.A-1-10	210	10	10
59.A-1-11	210	10	10
59.A-1-12	210	10	10
59.A-1-13	210	10	10
59.A-1-14	210	10	10
59.A-1-15	210	10	10
59.A-1-16	210	10	10
59.A-1-17	210	10	10
59.A-1-18	210	10	10
59.A-1-19	210	10	10
59.A-1-20	210	10	10
59.A-1-21	210	10	10
59.A-1-22	210	10	10
59.A-1-23	210	10	10
59.A-1-24	210	10	10
59.A-1-25	210	10	10
59.A-1-26	210	10	10
59.A-1-27	210	10	10
59.A-1-28	210	10	10
59.A-1-29	210	10	10
59.A-1-30	210	10	10
59.A-1-31	210	10	10
59.A-1-32	210	10	10
59.A-1-33	210	10	10
59.A-1-34	210	10	10
59.A-1-35	210	10	10
59.A-1-36	210	10	10
59.A-1-37	210	10	10
59.A-1-38	210	10	10
59.A-1-39	210	10	10
59.A-1-40	210	10	10

Primary Units = Capital Points
Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
59.A-1-41	210	10	10
59.A-1-42	210	10	10
59.A-1-43	210	10	10
59.A-1-44	210	10	10
59.A-1-45	210	10	10
59.A-1-46	210	10	10
59.A-1-47	210	10	10
59.A-1-48	210	10	10
59.A-1-49	210	10	10
59.A-1-50	210	10	10
59.A-1-51	210	10	10
59.A-1-52	210	10	10
59.A-1-53	210	10	10
59.A-1-54	210	10	10
59.A-1-55	210	10	10
59.A-1-56	210	10	10
59.A-1-57	210	10	10
59.A-1-58	210	10	10
59.A-1-59	210	10	10
59.A-1-60	210	10	10
59.A-1-61	210	10	10
59.A-1-62	210	10	10
59.A-1-63	210	10	10
59.A-1-64	210	10	10
59.A-1-65	210	10	10
59.A-1-66	210	10	10
59.A-1-67	210	10	10
59.A-1-68	210	10	10
59.A-1-69	210	10	10
59.A-1-70	210	10	10
59.A-1-71	210	10	10
59.A-1-72	210	10	10
59.A-1-73	210	10	10
59.A-1-74	210	10	10
59.A-1-75	210	10	10
59.A-1-76	210	10	10
59.A-1-77	210	10	10
59.A-1-78	210	10	10
59.A-1-79	210	10	10
59.A-1-80	210	10	10
59.A-1-81	210	10	10
59.A-1-82	210	10	10
59.A-1-83	210	10	10
59.A-1-84	210	10	10
59.A-1-85	210	10	10
59.A-1-86	210	10	10
59.A-1-87	554	20	20
59.B-1-1	210	10	10
59.B-1-2	210	10	10
59.B-1-3	210	10	10
59.B-1-4	210	10	10

Primary Units = Capital Points
Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
59.B-1-5	210	10	10
59.B-1-6	210	10	10
59.B-1-7	210	10	10
59.B-1-8	210	10	10
59.B-1-9	210	10	10
59.B-1-10	210	10	10
59.B-1-11	210	20	20
59.B-1-12	210	10	10
59.B-1-13	210	10	10
59.B-1-14	210	10	10
59.B-1-15	210	20	20
59.B-1-16	210	10	10
59.B-1-17	210	10	10
59.B-1-18	210	10	10
59.B-1-19	210	10	10
59.B-1-20	210	10	10
59.B-1-21	210	10	10
59.B-1-22	210	10	10
59.B-1-23	210	10	10
59.B-1-24	210	10	10
59.B-1-25	210	10	10
59.B-1-26	210	10	10
59.B-1-27	210	10	10
59.B-1-28	210	10	10
59.B-1-29	210	10	10
59.B-1-30	210	10	10
59.B-1-31	210	10	10
59.B-1-32	210	10	10
59.B-1-33	210	10	10
59.B-1-34	210	10	10
59.B-1-35	210	10	10
59.B-1-36	210	10	10
59.B-1-37	210	10	10
59.B-1-38	210	10	10
59.B-1-39	210	10	10
59.B-1-40	210	10	10
59.B-1-41	210	10	10
59.B-1-42	210	10	10
59.B-1-43	210	10	10
59.B-1-44	210	10	10
59.B-1-45	210	10	10
59.B-1-46	210	10	10
59.B-1-47	210	10	10
59.B-1-48	210	10	10
59.B-1-49	210	10	10
59.B-1-50	210	10	10
59.B-1-51	210	10	10
59.B-1-52	210	10	10
59.B-1-53	210	10	10
59.B-1-54	210	10	10
59.B-1-55	210	10	10

Primary Units = Capital Points
Secondary Units = O and M Points

Tax Parcel	Property Class	Primary Unit	Secondary Unit
59.B-1-56	210	10	10
59.B-1-57	210	10	10
59.B-1-58	210	10	10
59.B-1-59	210	10	10
59.B-1-60	210	10	10
59.B-1-61	210	10	10
59.B-1-62	210	10	10
59.B-1-63.1	311	3	0
59.B-1-63.2	322	3	0
59.B-1-63.3	210	10	10
59.B-1-63.4	210	10	10
59.B-1-63.5	210	10	10
59.B-1-63.6	210	10	10
59.B-1-63.7	210	10	10
59.B-1-63.8	210	10	10
59.B-1-63.9	210	10	10
59.B-1-63.10	210	10	10
59.B-1-63.11	210	10	10
59.B-1-63.12	210	10	10
59.B-1-63.13	210	10	10
59.B-1-63.14	210	10	10
59.B-1-63.15	210	10	10
59.B-1-63.16	210	10	10
59.B-1-63.17	210	10	10
59.B-1-63.18	210	10	10
		8966.28	6063.6

Attachment C

Schedule of Points by Property Classification

1/28/2021

2020 Schedule of Points

This Schedule refers to domestic, or sanitary, sewage
 Multi-use properties will be assigned points summed for each use

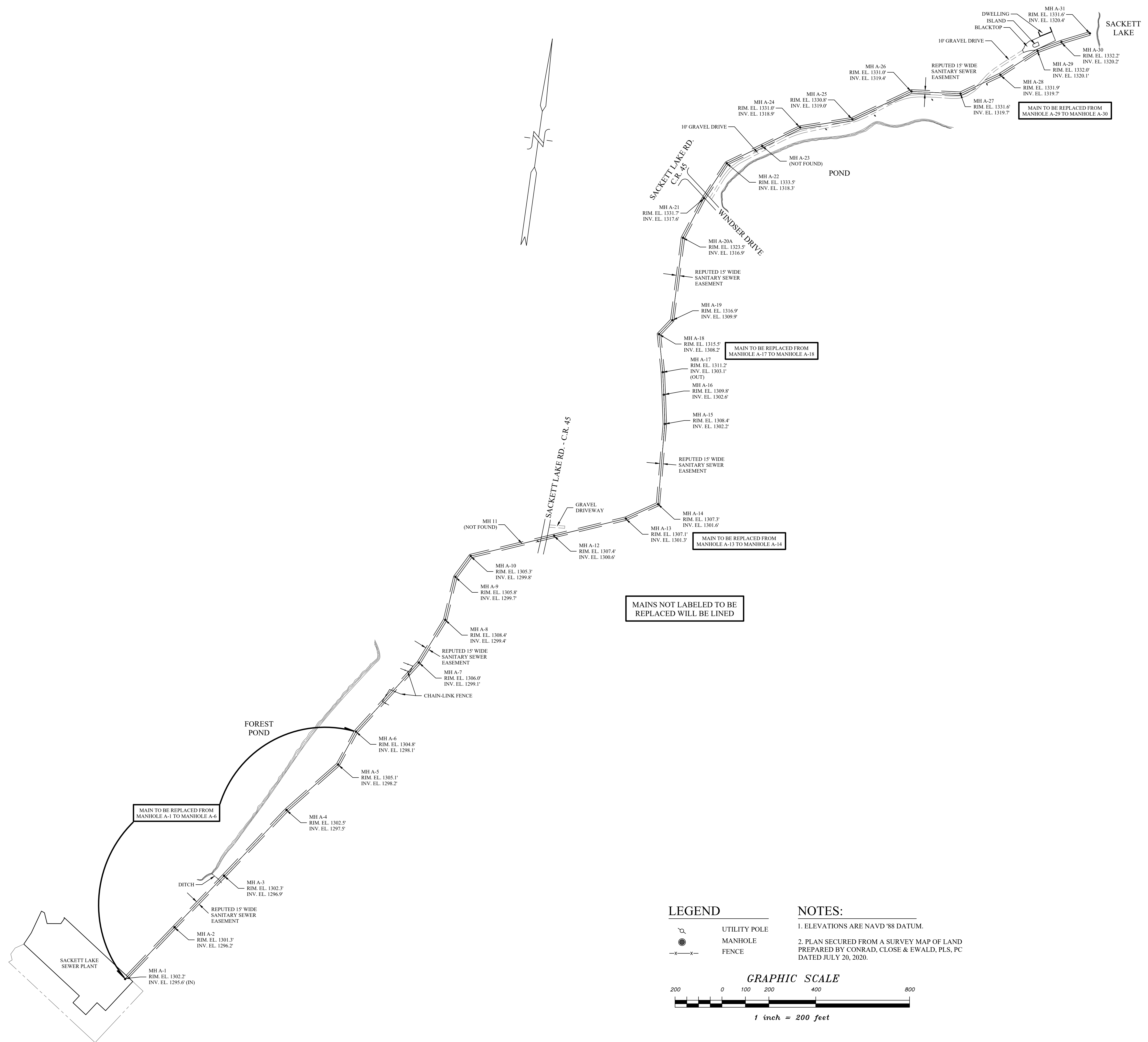
*=per unit

Property Class	Property Use	Rent Points	Debt Points
210	Single-family dwellings		
	1 to 4 bedrooms	10	10
	5 or more bedrooms	20	20
215, 220	Home with apartment, Two-family dwellings	20	20
230	Three-family dwelling	30	30
260	Seasonal Homes	10	10
280	Residential multistructure, multipurpose*	20	20
411	Apartment*		
	one-bedroom	7	7
	two-bedroom	8	8
	three-bedroom	10	10
	Residences with HOA offering plans will be assigned a share of the Points for the related common facilities		
Condominiums			
270, 416	Mobile home, manufactured home parks*	5	5
260	Seasonal Residences	10	10
414, 415, 418	Hotels, Motels, Inns		
	Office, first unit, small kitchen each sleeping unit*	20	20
	each efficiency unit*	5	5
		6	5
417	Camps, cottages, bungalows; unheated; per unit*	5	10
	add for day camps and/or school facilities	15	15
421, 424	Restaurants, Night clubs	80	80
422, 423, 425, 426	Diners, Fast Food and bars	40	40
431, 432, 433	Autodealers, Service Stations, Body shops	20	30
434, 435, 436	Car wash	70	70
437, 438	Parking lots	0	10
440, 441, 442, 446, 449	Storage, warehouse, distribution facility	20	20
	plus 4 point/1000 sqft		
447	Truck terminal	100	100
451, 452, 453, 454	Large Retail	50	50
	plus 6 points/1000 sqft		
	limited facilities 4 points/1000 sqft		
455, 471, 472	Sales (non-auto), funeral home, kennel	30	30
460, 461, 462, 463	Banks	60	60
464, 465	Office and Professional building	100	100
480, 482, 483	Multi-use commercial, row type, converted residence	15	15
484, 485, 486	Small commercial, mini-marts	30	30
512, 534, 541, 542	Movie theatre, social halls, bowling alleys, ice rinks	90	90
543, 544, 545, 546, 553	Recreational and sport facilities	120	120
	Recreational acreage without facilities, per acre (ex golf courses, parks, etc)	0	5
550, 552, 682			
554	Outdoor pools, no facilities	20	20
612, 613, 614, 615	Schools, Colleges, Special Institutions (day use)	20	20
	plus 5 point/1000 sqft		
611, 620, 632, 681	Library, Cultural, Religious, Benevolent	20	20
641	Hospitals	50	50
	plus 20 points/1000 sq ft		
614, 633	(Residential) Nursing Home, Group Home, Special Institutions, Assisted Living	50	50
	plus 25 points/1000 sq ft		
642	Small health care office	20	20
	plus 8 points/1000 sq ft		
652	Government Office	100	100
710, 712, 714	Manufacturing and Processing	50	50
720, 721	Mining	10	10
822, 823 853	water supply, water treatment, wastewater treatment		
	according to volume of sewage sent to Town		
300	Vacant, Subdivided lots		
	Each buildable residential lot	0	3
	Each commercial lot	0	4
	Each waterfront lot	0	4
	Acreage per acre	0	5
	SPECIAL CLASSIFICATION: parcels or units included in the district which can not be feasibly served at this time, the property line being more than 200 feet from the sewer line or other circumstances making connection infeasible.	0	0.01
	OUTSIDE USERS shall be assigned points on the same basis and using the same formula used for all parcels within the district, with an additional 10% Administration fee		
	If a user is a MUNICIPAL GOVERNMENT, the Town and such municipal government may by contract agree on the charge to be imposed for use of the sewer system, which such contract may include the successor to such municipal government		

The Town Board will make decisions on questions of classifications of properties

Attachment D

Proposed Limits and Scope of Work



UNAUTHORIZED ADDITION OR ALTERATION OF THIS PLAN IS A VIOLATION OF SECTION 7209(2) OF THE NEW YORK STATE EDUCATION LAW.

ALL PRODUCTION & INTELLECTUAL PROPERTY RIGHT RESERVED ©

SACKETT LAKE SEWER DISTRICT

FOR THE TOWN OF THOMPSON, NY

ATTACHMENT D LIMIT & SCOPE OF WORK

REVISIONS		
NO.	DESCRIPTION	DATE

ISSUED DATE:	2 NOV, 2021
DESIGN BY:	JV
DRAWN BY:	HPBjr
CHECKED BY:	JV
REVIEWED BY:	MS

SHEET NO.

ATT-D

 PROJECT #19-706 PHASE #

F:\2019\19-706 Sackett Lake Sewer 1.dwg Study\Drilling\Survey\5568-SUL-23-2020.dwg - Layout1 - 11/19/2021 10:00:05 AM