SANITARY SEWER REPORT/
SANITARY SEWER DISTRICT EXTENSION

DUTCH MEADOWS SEWER DISTRICT #1

SEWER DISTRICT EXTENSION #1

FEBRUARY 7, 2020
REVISED APRIL 1, 2020

Prepared For:
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94 Hubbs Road
Ballston Lake, NY 12019

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I. PROJECT DESCRIPTION

The proposed sewer installation and improvements discussed in this report will provide public sewer service to the current and future residents located within the Hubbs Road Sanitary Sewer Extension and are proposed to be owned and maintained by the Town of Clifton Park Sewer Department. The sewer extension will provide service to five (5) single family unit homes via individual grinder pumps and low pressure forcemain sewer.

II. SITE DESCRIPTION

The Hubbs Road Sanitary Sewer Extension is comprised of five (5) parcels having a total area of approximately 67 acres and tax map numbers of 258.-1-43, 258.11-1-62, 258.-1-43.3, 258.-1-43.4 and 258.-1-43.5.

The project parcels are located on the southern side of Hubbs Road, approximately 600 feet west of the intersection of Hubbs Road and Heidis Path, in the Town of Clifton Park, Saratoga County, New York.

The Soil Survey of Saratoga County, New York prepared by the National Resources Conservation Service (NRCS) indicates the site is mantled with six (6) distinct soil units. These units consist of Burdett Silt Loam(BxB), Chenango Silt Loam(ChB), Claverack Loamy Fine Sand(ClA), Deerfield Loamy Fine Sand(DeA), Ilion Silt Loam(In), Nunda Silt Loam(NuB), Oakville Loamy Fine Sand(OaB) and Wareham Loamy Sand(Wa).

Hudson Silt Loam (HuB), Madalin Mucky Silty Clay Loam (Ma), Raynham Silt Loam (Ra), Rhinebeck Silt Loam (RhA), Scio Silt Loam (SeA/SeB), and Unadilla Very Fine Sandy Loam (UnB). The majority of the site is poorly and moderately well drained, with some well drained and poorly drained soils.

The site topography can be considered to be undulating, with the site generally sloping west to east toward the low area along the eastern boundary of the extension area.

Access to the project will be provided along the right of way of Hubbs Road and Heidis Path. Construction of the extension will progress from the proposed structure along Hubbs Road toward Heidis Path. The forcemain will then turn south along the right of way on Heidis Path and into the existing sanitary manhole. The forcemain will be installed by means of directional drilling except for the section between the corner of Hubbs Road and Heidis Path and the existing structure.

III. ALTERNATIVE SELECTION

Selection of this alternative is based on engineering analysis of the proposed site. The surrounding sites have been analyzed based on the likelihood of growth that may potentially result in an increased burden on the proposed wastewater system.

IV. ENGINEERING CRITERIA

As outlined in 11.24 of the “Recommended Standards for Wastewater Facilities” published by the Great Lakes – Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers,
2014 Edition, all wastewater conveyance piping has been sized to accommodate the peak hourly flow from the proposed extension and the potential surrounding area.

Pursuant to the design standards set forth in Chapter 30 of the “Recommended Standards for Wastewater Facilities”, the capacity of all sewer conveyance piping shall be designed to accommodate the ultimate tributary population. The sewer piping will be sized to accommodate the design peak hourly flow. All low pressure forcemain sewer piping in the public right-of-way will be 2” in diameter and all service lines will be 1.25”.

Due to topography constraints, individual grinder pumps will be required for all lots to convey wastewater to the proposed low pressure forcemain to be located along Hubbs Road.

Individually owned external grinder pumps manufactured by Environment One (E-One) pumps will be used on all lots. Wastewater from the individual grinder pumps will be conveyed by 1.25” service laterals to a new 2” diameter forcemain located in the Hubbs Road right-of-way. The 2” forcemain will ultimately discharge to an existing gravity manhole for collection along Heidi’s Path. The exterior grinder pump shall be DH071-93 by E-One or equivalent.

A hydraulic analysis was performed by E-One using their model DH071-93 grinder pump and DR-11 forcemain. The forcemain system is comprised of one “zone” which illustrates the hydraulic characteristics of the system during the occurrence of maximum contribution of flow into the system. The analysis shows that 1.25” DR-11 service laterals will be installed on the individual lots and utility easements and a 2” DR-11 forcemain will be installed within the public right-of-way. The analysis is included in Appendix C.

For forcemain sewage conveyance, a cleansing velocity of at least 2 feet per second must be maintained. Air and vacuum relief valves must be installed on all force main piping to relieve negative pressures where necessary. In addition, all pipe materials must be of sufficient strength for use as a water main.

All sewage piping shall be installed to minimize damage to the piping and all joints. Trenches shall be dug and pipe shall be laid to minimize any bending. According to 33.82 (b) of the Recommended Standards, rocks, boulders and large stones will be removed to provide minimum clearance of 4 inches on all sides of the pipe.

V. EXISTING SANITARY SEWER CONVEYANCE SYSTEM

An existing 8” sanitary sewer gravity line exists along Heidi’s Path. The existing line is within the Dutch Meadows Sewer District and is owned and operated by the Clifton Park Sewer Department. All five (5) lots from the Hubbs Road Sanitary Sewer Extension are proposed to be serviced by the existing 8” gravity line via a connection to the existing manhole located on Heidi’s Path and continues into the Dutch Meadows sewer system.

The peak hour flow from this project of 3.82 gpm represents 0.99% of the maximum capacity of the receiving 8” gravity line. Initial discussions with the Town of Clifton Park have indicated that sufficient capacity exists within the 8” gravity line for the proposed project. Sewage waste is ultimately conveyed and treated at the SCSD #1 treatment plant located in Halfmoon, New York.
VI. ENVIRONMENTAL REVIEW

The sewer network for the proposed development has been carefully designed to minimize any potential impacts associated with wastewater conveyance. All joints and piping will be inspected and tested prior to use using the appropriate ASTM standards to ensure the network will limit infiltration and contamination of surface water bodies as well as ground water. Performing a hydrostatic test will ensure the infiltration and exfiltration rates do not exceed required limits. Air tests will conform to ASTM C-924 for concrete pipe and ASTM F-1417 for plastic pipe.

According to the “Recommended Standards for Wastewater Facilities”, all sewers must be placed at least 10 feet in the horizontal direction from all existing and proposed water mains. A vertical distance of 18” must be maintained between sewer lines and existing or proposed water mains. Pipe joints in both the water and sewer mains will be installed so the water and sewer joints will be “equidistant and as far as possible from the water main joints.” (Recommended Standards for Wastewater Facilities pg. 30-11).

VII. FINANCING

The capital cost of the sewer system includes all piping, manholes, grinder pumps, directional drilling, backfill, and restoration necessary for the construction of the sewer district extension. The total estimated cost for this installation is $28,200. Please refer to Appendix C for the Project Cost Estimate. All capital costs for all sewer system improvements will be born entirely by the project owner/developer.

Individual property owners will be responsible for purchasing, installing and maintaining the E/One pump system along with the service lateral. A hook up fee of $1,000 will be charged prior to connection. The cost to install a grinder pump and lateral is approximately $10,000 or less depending on the distance of the lateral line between the main and the house. The first year cost to the individual property owner ranges from $11,523.49 to $11,674.58. After the first year the annual cost ranges from $523.49 to $674.58. Please refer to Appendix C for a breakdown of the costs to the individual property owner.

A questionnaire has been distributed to the property owners within the extension area, see Appendix E. The questionnaire breaks down the estimated annual cost to each property owner should they choose to connect to the sewer extension or not. All questionnaires distributed and returned show a favorable interest in connecting to the sewer extension.

VIII. SUMMARY

This sewer report, submitted on behalf of the proposed Hubbs Road Sanitary Sewer Extension outlines the expected wastewater contribution anticipated for the existing and future residences. The calculations illustrated in the text of this report and in the appendices confirm the site conditions are favorable for the addition of sewer lines to service the existing and future residences. The size and location of the sewer line conforms with the “Recommended Standards for Wastewater Facilities, 2014 Edition”, published by the Great Lakes – Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers and all provisions set forth by the New York State Department of Environmental Conservation.
Appendix A:
Maps
1. PRESSURE SEWER DROP CONNECTION TO EXISTING SANITARY MANHOLE

2. OUTDOOR GRINDER PUMP TO SANITARY FORCE MAIN CONNECTION
Appendix B:
Hydraulic Capacity Calculations
Hydraulic Capacity Calculations

Wastewater Flow Contributors

*Hubbs Road Sanitary Sewer Extension* – The network includes the proposed 5 single family residential units.

Population = (5 single family residences) x (2.5 residents/unit) = 12.5 residents
Design Average Daily Wastewater Flow = (12.5) x (100 gpd/resident) = 1,250 gpd

Wastewater System Configuration

The sanitary sewer extension within the Hubbs Road Sanitary Sewer Extensions will collect the wastewater flow from the residents by means of individual grinder pumps which connect to a 2” low pressure forcemain. Wastewater will be conveyed by low pressure forcemain first along Hubbs Road then south along Heidis Path and connect to the northernmost existing sanitary structure. The collected wastewater will ultimately be conveyed to, and treated at, the Saratoga County Sewer District No.1 Wastewater Treatment Plant located in the Town of Halfmoon, Saratoga County, New York.

Wastewater System Capacity Design

*Hubbs Road Sanitary Sewer Extension* – The network includes the 5 single family residential units.

Population = 12.5 residents

Cumulative Design Average Daily Wastewater Flow

\[
= (Population) \times (100 \text{ gpd/residents}) \\
= (12.5) \times (100 \text{ gpd/household}) \\
= 1,250 \text{ gpd} = 0.86 \text{ gpm}
\]

Peak Hour Factor (P = population in thousands)

\[
PHF = \frac{18 + P^{1/2}}{4 + P^{1/2}} = \frac{18 + 0.0125^{1/2}}{4 + 0.0125^{1/2}} \\
PHF = 4.40
\]

Cumulative Peak Hour Wastewater Flow

\[
= (\text{Average Daily Wastewater Flow}) \times (\text{Peak Hour Factor}) \\
= (1,250 \text{ gpd}) \times (4.40) \\
= 5,500 \text{ gpd} \\
= 3.82 \text{ gpm (calculated design flow, required flow)}
\]

Low Pressure Forcemain Pipe Sizing

Individual grinder pumps at each residence will pump wastewater thru a low pressure forcemain system to sanitary manholes on and off the subdivision parcel. A 2” diameter DR 11 Forcemain pipe will handle the flow from the project. The pipe size analysis is below:

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Area</th>
<th>Velocity</th>
<th>Flow</th>
</tr>
</thead>
<tbody>
<tr>
<td>2”</td>
<td>0.020 SF</td>
<td>2.0 FPS minimum</td>
<td>0.040 CFS minimum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>6.0 FPS maximum</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>0.12 CFS maximum</td>
</tr>
</tbody>
</table>
It should be noted that the average flow of 0.86 gpm and peak hour flow of 3.82 gpm are calculated flows. The proposed E-One grinder pumps will dictate the actual instantaneous flow rate to provide cleansing velocities within the proposed 2” forcemain pipe. See attached E-One analysis within Appendix C.

**Downstream Analysis**

Based on conversations with the Clifton Park Sewer Department, the existing 8” gravity main along Heidis Path has adequate capacity to accept the flows from the Hubbs Road Sanitary Sewer Extension.
Appendix C:
Environment One Corporation
Pressure Sewer Preliminary Cost and Design Analysis
Environment One Corporation

Pressure Sewer Preliminary
Cost and Design Analysis
For
Hubbs Rd, NY
rev1
Notes:
Analysis based upon drawings and data provided. Station recommendations are preliminary.

GPD values impact retention times only, not line sizing or hydraulics. GP laterals to be 1.25".

General recommendations for valve placement are: clean out valves at intervals of approximately 1,000 ft and at branch ends and junctions; isolation valves at branch junctions; and air release valves at peaks of 25 ft or more and/or at intervals of 2,000 to 2,500 ft. Lateral kits comprised of a ball and check valve are required to be installed between the pump discharge and street main on all installations. Laterals should be located as close to the public right of way as possible.

Add 15ft static for worst case lateral loss (779ft).
# Budgetary Low Pressure Sewer System Costs

**Hubbs Rd, NY**  
*rev1*

<table>
<thead>
<tr>
<th>Quantity</th>
<th>Description</th>
<th>Unit Cost</th>
<th>Installation</th>
<th>Sub Total</th>
</tr>
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<tbody>
<tr>
<td></td>
<td><strong>Valves</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Clean Out</td>
<td>$0.00</td>
<td>0.00</td>
<td>$0.00</td>
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<tr>
<td></td>
<td><strong>Pumps</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>DH071-93</td>
<td>$0.00</td>
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<tr>
<td>5</td>
<td>Lateral Kits (Includes Ball\Check Valve Assembly)</td>
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<tr>
<td>5</td>
<td>Lateral (Boundary) Installation</td>
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<tr>
<td>5</td>
<td>Pump/Panel Installation</td>
<td>$0.00</td>
<td>0.00</td>
<td>$0.00</td>
</tr>
<tr>
<td></td>
<td><strong>Piping</strong></td>
<td></td>
<td></td>
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</tr>
<tr>
<td>734</td>
<td>2.00&quot; Pipe</td>
<td>$0.00</td>
<td>0.00</td>
<td>$0.00</td>
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</tbody>
</table>

**Number of Connections**: 5  
**Total Per Connection**: $0.00  
**Total (w/o other)**: >>>>>>>>>>>>>  
**Grand Total Per Connection**: $0.00  
**Grand Total (including other)**: >>>>>>>>>>>>>  

$0.00

---

**Note**: The System Costs above are based on piping sized for, and Grinder Pumps manufactured by Environment One Corporation.
<table>
<thead>
<tr>
<th>Zone Number</th>
<th>Connects to Zone</th>
<th>Number of Pumps in Zone</th>
<th>Accum Pumps in Zone</th>
<th>Gals/day per Pump</th>
<th>Max Flow Per Pump (gpm)</th>
<th>Max Sim Ops</th>
<th>Max Flow (GPM)</th>
<th>Pipe Size (inches)</th>
<th>Max Velocity (FPS)</th>
<th>Length of Main this Zone</th>
<th>Friction Loss Factor (ft/100 ft)</th>
<th>Friction Loss This Zone</th>
<th>Accum Frie Loss (feet)</th>
<th>Max Main Elevation</th>
<th>Minimum Pump Elevation</th>
<th>Static Head (feet)</th>
<th>Total Dynamic Head (ft)</th>
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</thead>
<tbody>
<tr>
<td>1.00</td>
<td>1.00</td>
<td>5</td>
<td>5</td>
<td>250</td>
<td>11.00</td>
<td>3</td>
<td>33.00</td>
<td>2.00</td>
<td>3.57</td>
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<td>2.52</td>
<td>18.49</td>
<td>18.49</td>
<td>398.00</td>
<td>378.00</td>
<td>20.00</td>
<td>38.49</td>
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</table>

This spreadsheet was calculated using pipe diameters for SDR11 HDPE. Friction loss calculations were based on a Constant for inside roughness "C" of 150.

Friction loss calculations were based on a Constant for inside roughness "C" of 150.

Note: This analysis is valid only with the use of progressive cavity type grinder pumps as manufactured by Environment One.
<table>
<thead>
<tr>
<th>Zone Number</th>
<th>Connects to Zone</th>
<th>Accumulated Total of Pumps this Zone</th>
<th>Pipe Size (inches)</th>
<th>Gallons per 100 lineal feet</th>
<th>Length of Zone</th>
<th>Capacity of Zone</th>
<th>Average Daily Flow</th>
<th>Average Fluid Changes per Day</th>
<th>Average Retention Time (Hr)</th>
<th>Accumulated Retention Time (Hr)</th>
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</thead>
<tbody>
<tr>
<td>1.00</td>
<td>1.00</td>
<td>5</td>
<td>2.00</td>
<td>15.40</td>
<td>734.00</td>
<td>113.06</td>
<td>1,250</td>
<td>11.06</td>
<td>2.17</td>
<td>2.17</td>
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</tbody>
</table>

This spreadsheet was calculated using pipe diameters for: SDR11HDPE.

Note: This analysis is valid only with the use of progressive cavity type grinder pumps as manufactured by Environment One.
## DUTCH MEADOWS SEWER DISTRICT #1 EXTENSION #1

### SANITARY SEWER EXTENSION COST ESTIMATE

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>ITEM</th>
<th>QUANTITY</th>
<th>UNITS</th>
<th>UNIT COST</th>
<th>ITEM COST</th>
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<tbody>
<tr>
<td><strong>2&quot; Diameter Off-Site Forcemain</strong></td>
<td></td>
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</tr>
<tr>
<td>Structures</td>
<td>Air Release/Clean Out Manhole</td>
<td>1</td>
<td>EA</td>
<td>$10,000</td>
<td>$10,000</td>
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<tr>
<td></td>
<td><strong>Pipe Network</strong></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>2&quot; DR11 HDPE/Fittings/Valves/etc.</td>
<td>782</td>
<td>LF</td>
<td>$5</td>
<td>$3,910</td>
</tr>
<tr>
<td>Directional Drilling</td>
<td>Horizontal Directional Drilling</td>
<td>680</td>
<td>LF</td>
<td>$12</td>
<td>$8,160</td>
</tr>
<tr>
<td>Traffic Protection</td>
<td>Work Zone Traffic Control &amp; Shoulder Closure</td>
<td>1</td>
<td>DAY</td>
<td>$675</td>
<td>$675</td>
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<tr>
<td>Miscellaneous</td>
<td>Mobilization &amp; Setup</td>
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<td>LS</td>
<td>$5,000</td>
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<td>Construction Stakeout</td>
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<td>$455</td>
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<td></td>
<td><strong>Total Cost</strong></td>
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<td></td>
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<td>$28,200</td>
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</tbody>
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Item costs were determined by referencing the “RS Means Site Work and Landscape Cost Data”, “RS Means Heavy Construction Cost Data”, the New York State Department of Transportation weighted average bid price program, as well as similar projects, professional experience, and contractor quotes.
<table>
<thead>
<tr>
<th>PARCEL ID</th>
<th>258.-1-43.1</th>
<th>258.-1-62</th>
<th>258.-1-43.3</th>
<th>258.-1-43.4</th>
<th>258.-1-43.5</th>
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</thead>
<tbody>
<tr>
<td>PARCEL ADDRESS</td>
<td>92 HUBBS RD</td>
<td>102 HUBBS RD</td>
<td>98 HUBBS RD</td>
<td>96 HUBBS RD</td>
<td>94 HUBBS RD</td>
</tr>
<tr>
<td>OWNER</td>
<td>CLOVER MEADOWS FARM LLC</td>
<td>BAILLARGEON, PAUL W</td>
<td>BAILLARGEON, SANDRA A</td>
<td>GLICK, BRIAN H</td>
<td>GLICK, BRIAN H</td>
</tr>
<tr>
<td>FULL ASSESSED VALUE</td>
<td>$218,700.00</td>
<td>$134,400.00</td>
<td>$309,700.00</td>
<td>$309,700.00</td>
<td>$309,700.00</td>
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<tr>
<td>DUTCH MEADOWS UNIT CHARGE</td>
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<td>$160.15</td>
<td>$160.15</td>
<td>$160.15</td>
<td>$160.15</td>
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<tr>
<td>ADVELORUM $0.861891/$1,000</td>
<td>$188.50</td>
<td>$115.84</td>
<td>$266.93</td>
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<td>SCSD#1 UNIT CHARGE</td>
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<tr>
<td>INITIAL HOOK UP FEE</td>
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<td>$1,000.00</td>
<td>$1,000.00</td>
<td>$1,000.00</td>
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<tr>
<td>INSTALLATION OF GRINDER PUMP &amp; LATERAL</td>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td>$10,000.00</td>
<td>$10,000.00</td>
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<tr>
<td>FIRST YEAR COST</td>
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<td>$11,523.49</td>
<td>$11,674.58</td>
<td>$11,674.58</td>
<td>$11,674.58</td>
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<td>FIRST YEAR MONTHLY COST</td>
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<td>SECOND YEAR COST</td>
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<td>$674.58</td>
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<td>$674.58</td>
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<td>SECOND YEAR MONTHLY COST</td>
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<td>$43.62</td>
<td>$56.21</td>
<td>$56.21</td>
<td>$56.21</td>
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</table>

* Parcels 258.-1-43.3 and 258.-1-43.5 are currently vacant, assessed value based upon adjacent parcel's assessed value, 96 Hubbs Road.
Appendix D:
Legal Description of Sewer District Extension
Area = 67.6± Acres
SUGGESTED DESCRIPTION
DUTCH MEADOW SEWER DISTRICT #1
EXTENSION #1

All that certain sewer district extension situate in the Town of Clifton Park, County of Saratoga, State of New York, lying along the southerly line of Hubbs Road and being further bounded and described as follows:

Beginning at the point of intersection of the common division line between lands of Clover Meadows Farm, LLC as described by Instrument No. 2012003600 to the East and lands of Masseria & Goneseth as described in Book 1240 of Deeds at Page 473 to the West with the southerly line of Hubbs Road, thence from said point of beginning along said southerly line of Hubbs Road the following four (4) courses: 1.) South 82° 18’ 30” East, 166.96 feet to a point, thence 2.) South 82° 26’ 30” East, 681.00 feet to a point, thence 3.) South 83° 05’ 10” East, 623.43 feet to a point, thence 4.) South 83° 24’ 10” East, 514.04 feet to the point of intersection with the westerly line of Lot 1, “Dutch Meadows-Section 3”, thence along said Lot 1 and Lots 3, 5, 7, 9, 11, 17, 19, 21, 23, 25, 27, 29, 31 and 33 “Dutch Meadows Section 3” the following three (3) courses: 1.) South 01° 25’ 40” West, 763.13 feet to a point, thence 2.) South 00° 34’ 20” East, 304.51 feet to the point, thence 3.) South 27° 35’ 50” West, 677.23 feet to the point of intersection with the northerly line of Lot 35 “Dutch Meadows-Section 3”, thence along said northerly line and the northerly line of Lots 5, 7, 9, 11, 13, 15, 17, 19, 21 “Dutch Meadows-Section 4 Part B the following two courses: 1.) North 70° 36’ 20” West, 598.79 feet to a point, thence 2.) North 72° 15’ 10” West, 403.14 feet to a point in the northerly line of Lot 1 “Survey Map and Subdivision of Lands of Garry R. Heflin, Inc.”, prepared by Santo Association, P.C. and filed in the Saratoga County Clerk’s Office as G-286, thence along said northerly line and the northerly line of Lots 1 & 2 “Rolling Meadows Residential Subdivision” the following two (2) courses: 1.) North 70° 20’ 30” West, 341.60 feet to a point, thence 2.) North 69° 57’ 40” West, 402.64 feet to a point in the easterly line of lands of Masseria & Santoro as described in Book 1240 of Deeds at Page 475, thence along said easterly line and the aforesaid lands of Masseria & Goneseth North 00° 21’ 00” East, 1,339.00 feet to the point of beginning and containing 67.6± acres of land.

Todd Westerveld
PLS 50,319
Appendix E:
Property Owner Questionnaire
2/12/20

Re: 4 lot sewer district extension
As you know, it has been requested that the Town extend the Dutch Meadows Sewer Districts westward to serve 5 lots on Hubbs Road including 92 Hubbs Road. I would like to take this time to give you a general idea of annual costs to a typical homeowner. These numbers are estimated based on current information subject to modification as the Engineers analysis occurs. Please review the below information and indicate if you are in favor of this extension moving forward. This is in no way a binding questionnaire. We are simply gauging interest before moving forward. As you may already know, the cost of installing the pipe is being borne by one of the property owners. The Town will accept dedication of this pipe to facilitate multiple connection to the main. The annual costs are listed below:

- Dutch Meadows Unit Charge: $160.15
- Dutch Meadows advalorem: $.861891 per $1,000 assessment
- Saratoga County Sewer District # 1: $247.50

Estimated first year sewer charge (tax) for 92 Hubbs Road if hooked up to sewer: $597

92 Hubbs Road not connected to sewer but in the extension would pay $189. (homes in the extension not connected but that have frontage on a sewer main must pay debt.)
Upon connection to a low-pressure sewer main a $1000 hook up fee is required paid to the Dutch Meadows Sewer District. Additionally, a Saratoga County Grinder Pump permit fee of $500 would be required at time of installation.

If you understand the costs listed above, please select whether you are in favor of this extension or not.

☐ I am in favor of proceeding with the Sewer District Extension

☐ I am not in favor of the Sewer District Extension
Re: 4 lot sewer district extension

As you know, it has been requested that the Town extend the Dutch Meadows Sewer Districts westward to serve 5 lots on Hubbs Road including 102 Hubbs Road. I would like to take this time to give you a general idea of annual costs to a typical homeowner. These numbers are estimated based on current information subject to modification as the Engineers analysis occurs. Please review the below information and indicate if you are in favor of this extension moving forward. This is in no way a binding questionnaire. We are simply gauging interest before moving forward. As you may already know, the cost of installing the pipe is being borne by one of the property owners. The Town will accept dedication of this pipe to facilitate multiple connection to the main. The annual costs are listed below:

Dutch Meadows Unit Charge: $160.15
Dutch Meadows advalorem: $.861891 per $1,000 assessment
Saratoga County Sewer District # 1: $247.50

Estimated first year sewer charge (tax) for 102 Hubbs Road if hooked up to sewer: $523.65

102 Hubbs Road not connected to sewer but in the extension would pay $116. (homes in the extension not connected but that have frontage on a sewer main must pay debt.)

Upon connection to a low-pressure sewer main a $1000 hook up fee is required paid to the Dutch Meadows Sewer District. Additionally, a Saratoga County Grinder Pump permit fee of $500 would be required at time of installation.

If you understand the costs listed above, please select whether you are in favor of this extension or not.

I am in favor of proceeding with the Sewer District Extension

I am not in favor of the Sewer District Extension
Re: 4 lot sewer district extension

As you know, it has been requested that the Town extend the Dutch Meadows Sewer Districts westward to serve 5 lots on Hubbs Road including 98 Hubbs Road. I would like to take this time to give you a general idea of annual costs to a typical homeowner. These numbers are estimated based on current information subject to modification as the Engineers analysis occurs. Please review the below information and indicate if you are in favor of this extension moving forward. This is in no way a binding questionnaire. We are simply gauging interest before moving forward. As you may already know, the cost of installing the pipe is being borne by one of the property owners. The Town will accept dedication of this pipe to facilitate multiple connection to the main.

The annual costs are listed below:

Dutch Meadows Unit Charge: $160.15
Dutch Meadows advalorem: $.861891 per $1,000 assessment
Saratoga County Sewer District # 1: $247.50

Estimated first year sewer charge (tax) for 98 Hubbs Road if hooked up to sewer: $440.

98 Hubbs Road not connected to sewer but in the extension would pay $32. (homes in the extension not connected but that have frontage on a sewer main must pay debt.

Upon connection to a low-pressure sewer main a $1000 hook up fee is required paid to the Dutch Meadows Sewer District. Additionally, a Saratoga County Grinder Pump permit fee of $500 would be required at time of installation.

If you understand the costs listed above, please select whether you are in favor of this extension or not.

☐ I am in favor of proceeding with the Sewer District Extension

☐ I am not in favor of the Sewer District Extension
2/12/20

Re: 4 lot sewer district extension

As you know, it has been requested that the Town extend the Dutch Meadows Sewer Districts westward to serve 5 lots on Hubbs Road including **96 Hubbs Road**. I would like to take this time to give you a general idea of annual costs to a typical homeowner. These numbers are estimated based on current information subject to modification as the Engineers analysis occurs. Please review the below information and indicate if you are in favor of this extension moving forward. This is in no way a binding questionnaire. We are simply gauging interest before moving forward. As you may already know, the cost of installing the pipe is being borne by one of the property owners. The Town will accept dedication of this pipe to facilitate multiple connection to the main. The annual costs are listed below:

- Dutch Meadows Unit Charge: $160.15
- Dutch Meadows advalorem: $.861891 per $1,000 assessment
- Saratoga County Sewer District # 1: $247.50

Estimated first year sewer charge (tax) for **96 Hubbs Road** if hooked up to sewer: $675

**96 Hubbs Road** not connected to sewer but in the extension would pay $267. (homes in the extension not connected but that have frontage on a sewer main must pay debt.)

Upon connection to a low-pressure sewer main a $1000 hook up fee is required paid to the Dutch Meadows Sewer District. Additionally, a Saratoga County Grinder Pump permit fee of $500 would be required at time of installation.

If you understand the costs listed above, please select whether you are in favor of this extension or not.

X  I am in favor of proceeding with the Sewer District Extension

I am not in favor of the Sewer District Extension
Re: 4 lot sewer district extension

As you know, it has been requested that the Town extend the Dutch Meadows Sewer Districts westward to serve 5 lots on Hubbs Road including 94 Hubbs Road. I would like to take this time to give you a general idea of annual costs to a typical homeowner. These numbers are estimated based on current information subject to modification as the Engineers analysis occurs. Please review the below information and indicate if you are in favor of this extension moving forward. This is in no way a binding questionnaire. We are simply gauging interest before moving forward. As you may already know, the cost of installing the pipe is being borne by one of the property owners. The Town will accept dedication of this pipe to facilitate multiple connection to the main. The annual costs are listed below:

- Dutch Meadows Unit Charge: $160.15
- Dutch Meadows advalorem: $.861891 per $1,000 assessment
- Saratoga County Sewer District # 1: $247.50

Estimated first year sewer charge (tax) for 94 Hubbs Road if hooked up to sewer: $448.

94 Hubbs Road not connected to sewer but in the extension would pay $40. (homes in the extension not connected but that have frontage on a sewer main must pay debt.

Upon connection to a low-pressure sewer main a $1000 hook up fee is required paid to the Dutch Meadows Sewer District. Additionally, a Saratoga County Grinder Pump permit fee of $500 would be required at time of installation.

If you understand the costs listed above, please select whether you are in favor of this extension or not.

[ ] I am in favor of proceeding with the Sewer District Extension

[ ] I am not in favor of the Sewer District Extension