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Shaping the physical environment

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MAP, PLAN AND REPORT

**TOWN OF MOREAU
SEWER DISTRICT No. 1
EXTENSION No. 7**

FOR SERVICE TO

THE GROVE ON SISSON ROAD

TOWN OF MOREAU, NY

PREPARED BY:

Environmental Design Partnership, LLP

December, 2021

Last Revised: January 15, 2026



INDEX OF EXHIBITS

EXHIBIT A	ENGINEER'S NARRATIVE
EXHIBIT B	SITE LOCATION MAP
EXHIBIT C	SERVICE TERRITORY EXTENSION MAP
EXHIBIT D	SERVICE TERRITORY EXTENSION DESCRIPTION
EXHIBIT E	PROJECT APPROVALS
EXHIBIT F	PROJECT UTILITY PLANS AND DETAILS
EXHIBIT G	DETAILED COST ESTIMATE

INDEX OF APPENDICES

APPENDIX A	Historical Water Data
APPENDIX B	EONE Pump Curve & System Design
APPENDIX C	Town of Moreau Sewer System Schematic
APPENDIX D	Effluent to Glens Falls Waste Water Treatment Plant from Moreau
APPENDIX E	Glens Falls WWTP – SPDES Permit NY0029050

EXHIBIT A

ENGINEERS NARRATIVE TOWN OF MOREAU SEWER DISTRICT No. 1 EXTENSION No. 7

OCTOBER 2025
Revised January 15, 2026

TABLE OF CONTENTS

1.0	PROJECT DESCRIPTION	1
2.0	WASTEWATER LOADING	1
3.0	PROPOSED SYSTEM INFRASTRUCTURE.....	2
4.0	TOWN OF MOREAU SANITARY SEWER SYSTEM	4
5.0	HYDRAULIC AND ORGANIC LOADING.....	6
6.0	PROJECT PHASING.....	6
7.0	FINANCING	6
8.0	OWNERSHIP AND MAINTENANCE.....	7

1.0 PROJECT DESCRIPTION

The following narrative has been prepared to provide the supporting information necessary for an extension of the Town of Moreau Sewer District No. 1 (TMSD1) to extend sanitary service to serve The Grove at Sisson Road apartment project. A site location map is included as Exhibit A, with a District Extension Map and Service Territory Description included as Exhibit B & C respectively.

Schermerhorn Residential Holdings, LLP has received Site Plan approval for the development of a 17.4 +/- acre parcel of land known as Tax Parcel 50.-2-100.11, as a 100-unit apartment project known as The Grove on Sisson Road. The proposed project will be serviced via a low-pressure sewer collection system connected to an existing 8-inch force main located along Sisson Road. All sewer flows will be conveyed to the City of Glens Falls Wastewater Treatment Plant (WWTP).

The existing project site consists of vacant land. Ground cover on site is comprised of woods and two perennial streams which run from north to south. The perimeter of the property is surrounded by wooded areas, single family homes and an apartment complex. The topography of the land slopes from high area in the middle of the site toward the streams. Drainage generally flows from north to south.

The typical slopes range from 0% to 15% with localized areas near the existing streams of approximately 25%. Elevations at the site vary between 305 and 320 feet above sea level.

The USDA Natural Resources Conservation Service Soil Survey (NRCSS) identifies the soils on the site to be Windsor Loamy Sand. The Soil Survey identifies Windsor Loamy Sand as excessively drained and classified as Hydrologic Soil Group (HSG) "A".

The following narrative provides engineering information required for the service area extension

2.0 WASTEWATER LOADING

The proposed district extension to TMSD1 includes a total of 100 apartment units. Utilizing NYS Design Standards for Intermediate Sized Wastewater Treatment Systems theoretical flows would be calculated as follows.

- Residential Units (Townhouse style apartment) = 100
- Number of bedrooms per unit = 3
- Design hydraulic loading = 110 gallons per day per bedroom
- Average daily hydraulic loading = $100 \times 3 \times 110 = 33,000$ gpd
- Peaking factor = 4.0
- Peak Hourly Flow Rate = 92 gpm

Per section B.6.b of the New York State Department of Environmental Conservation "New York State Design Standards for Intermediate Sized Wastewater Treatment Systems", dated March 5, 2014 as well as section 11.243.a. of the "Recommended Standards for Wastewater Facilities, 2014 Edition" by the Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers" (10 State Standards) historical water usage data collected from similar operations can be used to estimate the theoretical sanitary sewer flows.

Based on historical water usage data from previous apartment projects that EDP has been involved with throughout Saratoga County, Schenectady County, Albany County, and Warren County, the median daily water usage is on the order of 44 gallons per day per bedroom, with the maximum being on the order of 57 gallons per day per bedroom. Based on the historical water data, EDP has elected to use a conservative usage rate of 70 gallons per day per bedroom for the apartments considered herein. A tabulation of water data with number of bedrooms for multiple apartment houses is included as Appendix

A. Accordingly, the average daily flow and peak hourly flow for the proposed apartments were calculated as follows:

- Townhouse style apartment units = 100
- Number of bedrooms per unit = 3
- Design hydraulic loading = 100 gallons per day per bedroom
- Average daily hydraulic loading = $100 \times 3 \times 70 = 21,000$ gpd
- Peaking factor = 4.0
- Peak Hourly Flow Rate = **58 gpm**

3.0 PROPOSED SYSTEM INFRASTRUCTURE

The proposed sanitary sewer infrastructure will include a low-pressure collection system with grinder pumps serving the proposed apartment buildings. The low-pressure system will include a PE force main varying between 1.5 inches to 3.0 inches in diameter pipe to service the proposed development.

Details of the proposed sanitary sewer system infrastructure are provided within the approved Site Plans for The Grove on Sisson Road dated April 1, 2019, and last revised December 24, 2021. The Site Plans were approved by the Town of Moreau Planning Board on June 17, 2019. The Town of Moreau Planning Board acted as the lead agency under SEQRA and issued a negative declaration on June 17, 2019. The project has received necessary review and approvals from the State Office of Historic Preservation, US Army Corp of Engineers, NYS Department of Health and NYS Department of Environmental Conservation relative to the required stormwater Notice of Intent.

3.1 Proposed Grinder Pump Stations

The proposed project will include 15 duplex grinder pump stations to serve the 25 proposed buildings (4 apartment units per building). Ten (10) of the proposed grinder pump stations will serve two (2) buildings (8 units) each while the remaining five (5) grinder pump stations will serve one (1) building (4 units) each.

The proposed grinder pump stations as prepackaged stations as manufactured by Environment One Corporation (EONE)

3.1.1 Pump Station Model Selection

The EONE grinder pumps were selected based on the calculated contributing flow rates to each station. Duplex pump stations are proposed in order to provide the necessary redundancy. The proposed grinder pumps were sized as summarized below:

8 Unit Grinder Pump Stations

- Contributing Design Flow Rate = 8 units x 3 bedrooms each x 70 gpd/br = 1,680 gpd
- Average flow rate = 1.2 gpm
- Peak hourly flow Rate – 1.2 gpm x 4 = 4.8 gpm (280 gallons per hour)
- Pump Selection: EONE WH472 Duplex Grinder Pump
- Pump Station Design Capacity = 3,500 gpd

4 Unit Grinder Pump Stations

- Contributing Design Flow Rate = 4 units x 3 bedrooms each x 70 gpd/br = 840 gpd
- Average flow rate = 0.6 gpm
- Peak hourly flow Rate – 0.6 gpm x 4 = 2.4 gpm (140 gallons per hour)
- Pump Selection: EONE WH472 Duplex Grinder Pump
- Pump Station Design Capacity = 3,500 gpd

3.1.2 Storage Capacity

In accordance with the Town of Moreau Sewer Regulations the EONE WH172 grinder pump stations proposed herein have a minimum wet well capacity of 476 gallons which is greater than the 1 hour peak flows of 280 gallons for 8 units and 140 gallons for 4 units. The control panels for all pump stations will include visual and audible alarms that will alert the owners to any issues including pump failure, high water level, power failure, etc. The grinder pumps serving the apartment buildings will also contain electrical connections to allow for connection of a portable generator during power outages to ensure continued operation. A portable generator shall be maintained by the owner in order to allow for emergency operator of the grinder pumps in the event of an extended power outage.

The New York State Department of Environmental Conservation's "New York State Design Standards for Intermediate Sized Wastewater Treatment Systems", dated March 5, 2014 specifies that "...Duplex pumps, 24-hour storage volume, emergency generator with automatic cutover during power loss, or a solenoid shutoff valve for the water supply line with manual override should be considered to prevent sewage backups due to pump or power failure". The proposed installation of the duplex pumps meets this requirement and therefore 24-hour storage is not required. NYSDEC Region 5 was consulted in November 2021 on this interpretation and confirmed that not all items in that section of the manual have to be included/considered.

3.1.3 Design Flow Rate

The proposed grinder pump stations are manufactured by EONE to accommodate residential wastewater flows and are designed to operate on a linear performance curve between 7.5 GPM at 185 ft TDH and 15 GPM at 0 ft TDH (see Appendix B for EONE pump data).

3.1.4 Buoyancy

The proposed grinder pump stations are prepackaged system with a HDPE wet well structure. When installed in areas with high groundwater EONE has developed their system to utilize the outside design of the wet well to resist buoyancy. However, construction of a concrete ballast around the bottom of the structure to prevent floatation will also be utilized for these pump stations for safety. Seasonal high groundwater on the site was observed at an elevation of approximately 309 ft. The finished grades in the area of the grinder pumps varies from 312 to 315 ft and therefore the bottom of the grinder pump stations may be below the groundwater table and the construction of concrete ballast in will be installed as recommended.

3.2 **Low Pressure Force Main**

The proposed low pressure force main was designed as a combination of approximately 125 LF of 1.5-inch, 1,400 LF of 2-inch and 550 LF of 3-inch Polyethylene (PE) pressure sewer pipe. The proposed force main pipe is specified as PE 4710 IPS DR-11 which has a pressure rating on the order of 200 psi. The force main was sized using modeling software provided by EONE and is based on the number of pumps contributing to each section of force main (see Appendix B). The onsite force main will be privately owned and maintained.

3.3 **Connection to Existing Force Main**

The proposed 3-inch force main will connect to the existing 8-inch DIP force main located on the east side of Sisson Road, across from the project entrance road as part of the existing Town of Moreau Sewer District No. 1. The Town of Moreau owns and maintains the existing 8" DIP force main.

Based on the results of the EONE system modeling, during peak hours the proposed low-pressure system could discharge up to 47 gpm into the existing 8-inch force main.

4.0 TOWN OF MOREAU SANITARY SEWER SYSTEM

The Town of Moreau currently owns and operates two primary pressure sewer systems with pump stations. The largest system and pump station is the Moreau Central Pump Station, also known as the Route 9 Pump Station. This main pump station discharges all flows southerly through the Town of Wilton and eventually to the Saratoga County Sewer District #1 (SCSD) System.

The second system, smaller in size, generally has four (4) pump stations and two (2) low-pressure grinder systems connected to it. This system generally runs from Bluebird Road northerly along Sisson Road, Harrison Avenue and Van Buren Street to the City of Glens Falls Waste Water Treatment Plant (GFWWTP). This system will be utilized for The Grove at Sisson project and is further described below.

4.1 Existing Pumping Stations

There are currently four (4) large pump stations and two (2) grinder pumps contributing flows to the existing Town sewer system flowing to the GFWWTP. The existing pump stations include the Bluebird Village pump station which serves the Bluebird Village Apartments, Sisson Reserve pump station which serves the Sisson Reserve Apartments, the Harrison Quarry/Bluebird Trace pump station which serves the Harrison Quarry and Bluebird Trace Apartments and Harrison Village Pump Station that serves the Harrison Village (F.K.A. Leonelli) Apartment Project. The two (2) grinder pump systems are located at Harrison Place Apartments and the Home of the Good Shepard, an assisted living facility located along Bluebird Road. The following table summarizes the design pumping rates for the existing pump stations.

Table 1: Existing Pump Stations

Pump Station	Units Served	Projected Average Daily Flows (gpd)	Projected Peak Flows (gpm)	Pumping Rate (gpm)*
Bluebird Village	240	30,870	86	320
Sisson Reserve	144	18,210	50	155
Harrison Quarry/Bluebird Trace	186	23,530	65	230
Harrison Village (f.k.a. Leonelli)	240	30,360	84	190
Harrison Place	28	3,540	10	24 (2 pumps at 11 gpm each)
Home of the Good Shepard	64	4,300	12	12 (grinder pump)

**When Operating Alone*

4.2 Existing Force Main

The Town of Moreau currently owns and maintains a multiple diameter force main that extends approximately 12,000 LF from the Bluebird Village Pump Station northeasterly along Bluebird Road, northerly along Sisson Road, westerly along Harrison Ave, northwest along Van Buren Street, northerly across the lands owned by Glens Falls Lehigh Cement, Co, across the Hudson River and then to the Glens Falls Treatment Plant. A schematic of the existing system is attached as Appendix C.

The existing high point in the force main is located along Van Buren Street and has an approximate elevation of 320 feet.

The existing 8-inch force main has a minimum flow rate of 315 gpm to meet cleaning velocity (2 ft/sec) and a theoretical maximum capacity on the order of 1,000 gpm. The Bluebird Village pump station was upgraded in July 2025 to provide cleaning velocity in the 8 inch force main. The proposed low-pressure

system for the Grove on Sisson will discharge at a peak estimated flow rate (E-One system modeling) on the order of 47 gpm which is less than 5% of the total pipe capacity.

A hydraulic model of the Town of Moreau sewer system was developed using EPANet software in order to analyze the impacts of the Sisson Grove connection to the existing force main and pump stations. The model was calibrated based on the December 2021 drawdown testing results and the model was analyzed with the current configuration of the Moreau collection system that conveys flows to the Glens Falls WWTP. The model was run in a “worst case” scenario where all the pump stations that convey flows to Glens Falls would operate at the same time. During this scenario the pump stations will be fighting each other which results in pumping rates that are lower than the design pumping rates. The existing pressure sewer system in the Town of Moreau has been historically designed to ensure that all the pump stations can continue to operate at 3 times their contributing average daily flow rate when all the large pump stations are in simultaneous operation. As the table below shows the modeling has indicated that project grinder pumps will be able to operate at the same time as all of the existing pump stations without negatively impacting the operation of those pump stations.

Table 2: Existing Pump Stations

Pump Station	Projected Average Daily Flows (gpm)	3 x Avg (gpm)	Pumping Rate Per System Model* (gpm)
Bluebird Village	21.4	64.2	221
Sisson Reserve	12.6	37.8	38
Harrison Quarry/Bluebird Trace	16.3	48.9	177
Harrison Village (f.k.a. Leonelli)	21.1	63.3	117
Harrison Place	2.5	7.5	26
Home of the Good Shepard	3.0	9	12
Sisson Grove Grinders	14.5	43.8	50

**With all Pump Stations in Simultaneous Operation*

4.3 Wastewater Treatment

All flows in the Bluebird Road-Sisson Road-Harrison Avenue sewer force main are conveyed to the City of Glens Falls Wastewater Treatment Plant (GFWWTP) to be treated by the plant. Formerly, this main included flows from the Town of Moreau Industrial Park (MIP) that have since been changed to flow to the newly constructed Route 9 Pump Station that flows to the Saratoga County Sewer District for treatment, this creating a deficit in flow that previously was treated by GFWWTP. As of September 2025, it is reported from the GFWWTP operator that the average daily flow from the Town of Moreau is approximately 110,000 gpd. The Town of Moreau has purchased up to 190,000 gpd, well below what is currently flowing to the plant. A summary of usage for the Town of Moreau for 2025 is included as Appendix D.

It is also noted that earlier this year the Route 9 central pump station became operational sending flow south to the SCSD WWTP, including the MIP pump station. Currently, there is no actual data as to the quantity of that flow but is currently estimated to be on the order of 75,000 gpd. This change to the Moreau system will provide more than adequate capacity for treatment of this project at the GFWWTP from Moreau. The projected flow rates from the proposed The Grove on Sisson at 21,000 gpd, will not result in Moreau exceeding the 190,000 gpd capacity already agreed to by GFWWTP.

The most recent SPDES permit from the GFWWTP located in Glens Falls (NY0029050) which is permitted to operate at 9.5 mgd on a monthly average (see Appendix E). Based on data obtained from the GFWWTP operator, in 2025 the plant has an average daily flow to it of approximately 3.752 mgd with a maximum average daily flow of 8.0 mgd and a maximum monthly average flow of 4.95 mgd, well below the currently permitted capacity of 9.5 MGD. With the addition of the proposed 21,000 GPD (0.021 MGD) for this project, the anticipated average daily flow to the WWTP will increase to approximately 3.773 MGD (39.72% capacity), a 0.56% increase in flow.

5.0 HYDRAULIC AND ORGANIC LOADING

The 100 proposed dwellings within the proposed Sewer District Extension are expected to generate approximately 21,000 gallons per day as discussed above.

The average BOD5 and Suspended Solids generated from the 100 units has been calculated in accordance with the “Recommended Standards for Wastewater Facilities, 2014 Edition” by the Great Lakes-Upper Mississippi River Board of State and Provincial Public Health and Environmental Managers” (10 State Standards) which specifies a rate of 0.17 lbs of BOD5 per capita per day and 0.20 lbs of Suspended Solids per capita per day. Below is a summary of the design calculations:

- Total Units = 100
- Persons per household = 2.37 (per 2020 Census Data for Town of Moreau)
- Total Persons served = $100 \times 2.37 = 237$
- Estimated BOD% Loading = $237 \times 0.17 \text{ lbs/day/cap} = 40 \text{ lbs/day}$
- Estimated Suspended Solids Loading = $237 \times 0.20 \text{ lbs} = 47 \text{ lbs/day}$

6.0 PROJECT PHASING

The Grove on Sisson Road apartment project is expected to be completed in a single phase over a 2-year period. Site clearing and mass grading in preparation of site development occurred in the Fall of 2021. Once the sewer district is approved and required approvals secured, it is anticipated that construction of the infrastructure and apartment buildings will commence in the Spring of 2026. All of the buildings will then be constructed, with a preliminary completion date of the Fall of 2027.

The initial flows from this project are anticipated to commence in late Fall of 2027 after completion of the apartment units.

7.0 FINANCING

The formation of the Sewer District Extension and all improvements associated with this Sewer District Extension, are to be financed by the developer of the proposed project.

It is estimated that the cost of the improvements necessary to provide service to the proposed apartment project, including the low-pressure collection system and individual pump stations will be on the order of \$624,875. The construction costs will be paid during initial construction of the project and will be borne by the owner of the proposed apartment project.

The yearly operation and maintenance cost of the fifteen (15) grinder pumps and system is estimated at \$500 per year per pump based on EONE data collected over the past 20 years. Distributing the annual operation and maintenance cost of the pump stations over the 100 units in the apartment project results in an annual cost per unit of \$75.

8.0 OWNERSHIP AND MAINTENANCE

The sanitary sewers constructed to service The Grove on Sisson Road apartment project will be constructed in accordance with the Town of Moreau standards and requirements and will be privately owned and operated within the apartment complex.

APPENDIX A:

HISTORICAL WATER DATA

APPENDIX A - TABULATED WATER USAGE

APARTMENT COMPLEX NAME	LOCATION	TOTAL UNITS CONSTRUCTED	% OCCUPANCY	TOTAL UNITS OCCUPIED	AVG BEDROOMS PER UNIT	TOTAL BEDROOMS	TOTAL WATER USAGE (GALLONS)	PERIOD OF TIME (DAYS)	AVERAGE FLOW RATE (GALLONS PER DAY)	AVERAGE FLOW RATE PER BEDROOM (GPD/BR)	WATER DATA REFERENCE
LEXINGTON HILLS PHASE 1	COHOES, NY	138	100.00%	138	1.6	221	3,436,900	273	12,589	57	WATER BILLING DATA FROM 11-1-18 TO 8-1-19
KENSINGTON AT HALFMOON	HALFMOON, NY	200	78.50%	157	1.7	264	1,341,660	92	14,583	56	WATER DATA FROM 7-23-16 TO 10-22-16
NET ZERO VILLAGE	ROTTERDAM, NY	180	100.00%	180	1.3	232	5,802,250	455	12,752	55	WATER DATA FROM 01-01-2019 to 03-31-2020
HARRISON QUARRY	MOREAU, NY	116	95.00%	110	3.0	331	5,128,000	360	14,244	44	WATER BILLING FROM 07-01-24 & 06-26-25
BLUEBIRD VILLAGE	MOREAU, NY	240	76.76%	184	2.4	436	6,649,000	360	18,469	43	WATER BILLING FROM 07-01-24 & 06-26-26
HARRISON VILLAGE	MOREAU, NY	240	75.00%	180	2.0	360	4,840,000	360	13,444	38	WATER BILLING FROM 07-01-24 & 06-26-27
NORTHBROOK APARTMENT COMPLEX	QUEENSBURY, NY	128	100.00%	128	2.0	256	3,750,000	365	10,274	41	WATER USAGE DATA FROM 3-17-01 TO 3-25-03
WINNERS CIRCLE APARTMENTS	MILTON, NY	775	90.00%	698	1.8	1257	67,058,671	1826	36,724	30	WATER USAGE DATA FROM 10-24-2018 TO 10-24-2023

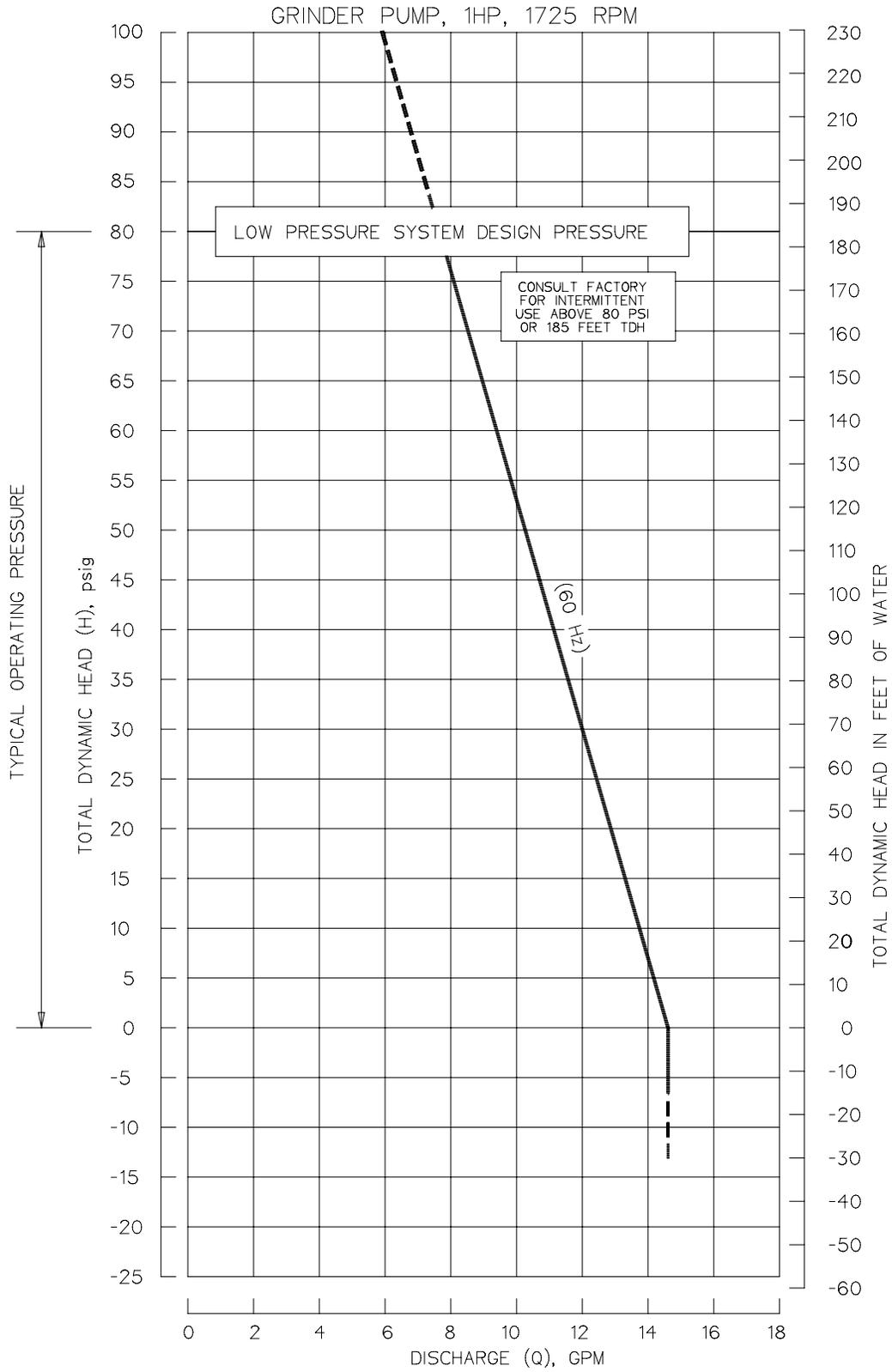
MIN =	30	GPD/BR
MAX =	57	GPD/BR
AVG =	45.5	GPD/BR
MEDIAN =	43.5	GPD/BR
FOR DESIGN USE	70	GPD/BR

APPENDIX B:

EONE PUMP CURVE & SYSTEM DESIGN

Figure 1

Grinder Pump Performance Characteristics





Environment One Corporation

**Pressure Sewer Preliminary
Cost and Design Analysis
For
Sisson Grove Apartments**

Prepared For:

Tel:

Fax:

Prepared By:

December 24, 2021

PRELIMINARY PRESSURE SEWER - PIPE SIZING AND BRANCH ANALYSIS

Sisson Grove Apartments

Prepared By:

December 24, 2021

Zone Number	Connects to Zone	Number of Pumps in Zone	Accum Pumps in Zone	Gals/day per Pump	Max Flow Per Pump (gpm)	Max Sim Ops	Max Flow (GPM)	Pipe Size (inches)	Max Velocity (FPS)	Length of Main this Zone	Friction Loss Factor (ft/100 ft)	Friction Loss This Zone	Accum Friction Loss (feet)	Max Main Elevation	Minimum Pump Elevation	Static Head (feet)	Total Dynamic Head (ft)
This spreadsheet was calculated using pipe diameters for: SDR11HDPE																	
Friction loss calculations were based on a Constant for inside roughness "C" of: 150																	
1.00	2.00	4	4	330	11.05	3	33.14	1.50	5.60	120.00	7.53	9.03	77.00	320.00	309.00	11.00	88.00
2.00	3.00	9	13	330	11.45	4	45.30	2.00	4.90	1,400.00	4.53	63.42	67.97	320.00	309.00	11.00	78.97
3.00	4.00	2	15	330	14.23	4	46.85	3.00	2.33	550.00	0.73	4.02	4.55	320.00	308.00	12.00	16.55
4.00	4.00	0	15	330	14.41	4	46.85	8.00	0.38	5,850.00	0.01	0.53	0.53	320.00	308.00	12.00	12.53

Note: This analysis is valid only with the use of progressive cavity type grinder pumps as manufactured by Environment One.

PRELIMINARY PRESSURE SEWER - ACCUMULATED RETENTION TIME(HR)

Sisson Grove Apartments

Prepared By:

December 24, 2021

Zone Number	Connects to Zone	Accumulated Total of Pumps this Zone	Pipe Size (inches)	Gallons per 100 lineal feet	Length of Zone	Capacity of Zone	Average Daily Flow	Average Fluid Changes per Day	Average Retention Time (Hr)	Accumulated Retention Time (Hr)
This spreadsheet was calculated using pipe diameters for: SDR11HDPE							Gals per Day per Dwelling		330	
1.00	2.00	4	1.50	9.85	120.00	11.82	1,320	111.64	0.21	59.95
2.00	3.00	13	2.00	15.40	1,400.00	215.64	4,290	19.89	1.21	59.73
3.00	4.00	15	3.00	33.47	550.00	184.07	4,950	26.89	0.89	58.52
4.00	4.00	15	8.00	203.19	5,850.00	11,886.56	4,950	0.42	57.63	57.63

PRELIMINARY PRESSURE SEWER - ACCUMULATED RETENTION TIME(HR)

Sisson Grove Apartments

Prepared By:

December 24, 2021

Zone Number	Connects to Zone	Accumulated Total of Pumps this Zone	Pipe Size (inches)	Gallons per 100 lineal feet	Length of Zone	Capacity of Zone	Average Daily Flow	Average Fluid Changes per Day	Average Retention Time (Hr)	Accumulated Retention Time (Hr)
This spreadsheet was calculated using pipe diameters for: SDR11HDPE							Gals per Day per Dwelling			330
1.00	2.00	4	1.50	9.85	120.00	11.82	1,320	111.64	0.21	59.95
2.00	3.00	13	2.00	15.40	1,400.00	215.64	4,290	19.89	1.21	59.73
3.00	4.00	15	3.00	33.47	550.00	184.07	4,950	26.89	0.89	58.52
4.00	4.00	15	8.00	203.19	5,850.00	11,886.56	4,950	0.42	57.63	57.63

APPENDIX C:

SEWER SYSTEM SCHEMATIC

APPENDIX D:

**REPORTED SEWER USE
GLENS FALLS WASTE WATER TREATMENT PLANT**

TOWN of Moreau		
2025 Total Flows to GFWWTP		
Month	Flow (mgd)	Comments
January	3.2557	
February	2.8428	Lowest monthly avg.
March	3.1745	
April	2.9982	
May	3.2706	
June	3.3130	
July	3.7436	Highest monthly avg.
August	3.3075	
September	3.3343	
October	0.0000	No readings
November	0.0000	No readings
December	0.0000	No readings
Total =	29.2402	Through Sept. 30
# Days =	273	Through Sept. 30.
Avg. Daily =	107,107	
Data provided by City of Glens Falls		

APPENDIX E:

CITY OF GLENS FALLS SPDES PERMIT

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits

625 Broadway, 4th Floor, Albany, New York 12233-1750

P: (518) 402-9167 | F: (518) 402-9168 | deppermitting@dec.ny.gov

www.dec.ny.gov

August 25, 2021

Daniel Hall
Mayor
City of Glens Falls
2 Shermantown Rd
Glens Falls, NY 12801

Re: Glens Falls STP
SPDES Renewal Permit Application
DEC ID# 5-5205-00015/00002, SPDES# NY0029050

Dear Mayor Hall,

On April 26, 2021 the Department received an application to renew the above-referenced State Pollutant Discharge Elimination System (SPDES) permit. The application was timely and sufficient. Therefore, the current permit will remain in effect in accordance with the State Administrative Procedures Act.

The Department will, at some point in the future, undertake a full technical review of the SPDES discharge to determine the need to incorporate new permit requirements under the Federal Clean Water Act. The timing of the Department's full technical review will be determined by the ranking of the discharge under the Environmental Benefit Permit Strategy (EBPS). The EBPS utilizes criteria to score and rank a wastewater discharge, giving priority for technical review to those discharges with the greatest potential to cause environmental harm. To initiate a full technical review, the Department will send you a "Request for Information" seeking data to be used in the evaluation of the discharge and in the establishment of provisions proposed for inclusion in the permit.

No further action is required on your part at this time. In accordance with the Uniform Procedures Act, the Department has suspended its review of your application and will resume review upon receipt of your response to the "Request for Information".

If you have any technical questions, please contact Carol Lamb-Lafay, Bureau Director, at carol.lamb-lafay@dec.ny.gov. For assistance with permitting questions, please contact me at michael.schaefer@dec.ny.gov.

Sincerely,



Michael Schaefer
Environmental Analyst

ec: D. Thorsland, Regional Water Engineer
E. Burns, Regional Permit Administrator
C. Lamb-Lafay, CO, BWP Bureau Director
C. Jamison, CO, BWP
BWC-SCIS Section Chief



Department of
Environmental
Conservation

State Pollutant Discharge Elimination System (SPDES) DISCHARGE PERMIT

SIC Code:	4952	NAICS Code:	221320	SPDES Number:	NY0029050
Discharge Class (CL):	05			DEC Number:	5-5205-00015/00002
Toxic Class (TX):	T			Effective Date (EDP):	02/01/2017
Major-Sub Drainage Basin:	11 - 01			Expiration Date (ExDP):	01/31/2022
Water Index Number:	H	Item No.:	941.6 - 6	Modification Dates (EDPM):	01/28/2022
Compact Area:	-				

This SPDES permit is issued in compliance with Title 8 of Article 17 of the Environmental Conservation Law of New York State and in compliance with the Clean Water Act, as amended, (33 U.S.C. '1251 et.seq.)

PERMITTEE NAME AND ADDRESS					
Name:	City of Glens Falls			Attention:	Mayor
Street:	42 Ridge Street				
City:	Glens Falls			State:	NY Zip Code: 12801
Email:	mayor@cityofglensfalls.com			Phone:	518-761-3805

is authorized to discharge from the facility described below:

FACILITY NAME, ADDRESS, AND PRIMARY OUTFALL							
Name:	City of Glens Falls WWTP						
Address / Location:	2 Shermantown Road				County:	Warren	
City:	Glens Falls			State:	NY	Zip Code:	12801
Facility Location:	Latitude:	43 °	18 ' 23.5 " N	& Longitude:	73 °	37 ' 26.0 " W	
Primary Outfall No.:	001	Latitude:	43 °	18 ' 19 " N	& Longitude:	73 °	37 ' 25 " W
Outfall Description:	Treated Sanitary	Receiving Water:	Hudson River			Class:	C

and the additional outfalls listed in this permit, in accordance with: effluent limitations; monitoring and reporting requirements; other provisions and conditions set forth in this permit; and 6 NYCRR Part 750-1 and 750-2.

This permit and the authorization to discharge shall expire on midnight of the expiration date shown above and the permittee shall not discharge after the expiration date unless this permit has been renewed or extended pursuant to law. To be authorized to discharge beyond the expiration date, the permittee shall apply for permit renewal not less than 180 days prior to the expiration date shown above.

DISTRIBUTION:

CO BWP - Permit Coordinator
CO BWC - SCIS
RWE
RPA
EPA Region II
NYSEFC

Deputy Permit Administrator:	Beth A. Magee		
Address:	232 Golf Course Road, Warrensburg, NY 12885		
Signature:	<i>Beth A. Magee</i> Digitally signed by Beth A. Magee Date: 2022.01.31 09:00:28 -05'00'	Date:	1 / 28 / 22

Contents

SUMMARY OF ADDITIONAL OUTFALLS.....	3
DEFINITIONS.....	4
PERMIT LIMITS, LEVELS AND MONITORING - 001.....	5
PERMIT LIMITS, LEVELS AND MONITORING – 001 (continued).....	6
PERMIT LIMITS, LEVELS AND MONITORING - 002.....	8
STORMWATER POLLUTION PREVENTION REQUIREMENTS	8
BEST MANAGEMENT PRACTICES FOR COMBINED SEWER OVERFLOWS.....	9
SPECIAL CONDITIONS: CSO CONTROL POLICY	12
SPECIAL CONDITIONS: CSO CONTROL POLICY (continued).....	13
MERCURY MINIMIZATION PROGRAM (MMP) - Type I	15
DISCHARGE NOTIFICATION REQUIREMENTS.....	18
INDUSTRIAL PRETREATMENT PROGRAM IMPLEMENTATION REQUIREMENTS	19
MONITORING LOCATIONS.....	22
GENERAL REQUIREMENTS.....	23
RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS.....	25
E. Schedule of Additional Submittals:.....	25

SUMMARY OF ADDITIONAL OUTFALLS

Outfall	Wastewater Description	Outfall Latitude				Outfall Longitude									
002	Combined Sewer Overflow	43	°	18	'	19	"	N	73	°	37	'	25	"	W
Receiving Water:	Hudson River (common outfall pipe with 001)							Class:	C						

DEFINITIONS

TERM	DEFINITION
7-Day Geo Mean	The highest allowable geometric mean of daily discharges over a calendar week.
7-Day Average	The average of all daily discharges for each 7-days in the monitoring period. The sample measurement is the highest of the 7-day averages calculated for the monitoring period.
12-Month Rolling Average (12 MRA)	The current monthly value of a parameter, plus the sum of the monthly values over the previous 11 months for that parameter, divided by the number of months for which samples were collected in the 12-month period.
30-Day Geometric Mean	The highest allowable geometric mean of daily discharges over a calendar month, calculated as the antilog of: the sum of the log of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
Action Level	Action level means a monitoring requirement characterized by a numerical value that, when exceeded, triggers additional permittee actions and department review to determine if numerical effluent limitations should be imposed.
Compliance Level / Minimum Level	A compliance level is an effluent limitation. A compliance level is given when the water quality evaluation specifies a Water Quality Based Effluent Limit (WQBEL) below the Minimum Level. The compliance level shall be set at the Minimum Level (ML) for the most sensitive analytical method as given in 40 CFR Part 136, or otherwise accepted by the Department.
Daily Discharge	The discharge of a pollutant measured during a calendar day or any 24-hour period that reasonably represents the calendar day for the purposes of sampling. For pollutants expressed in units of mass, the 'daily discharge' is calculated as the total mass of the pollutant discharged over the day. For pollutants with limitations expressed in other units of measurement, the 'daily discharge' is calculated as the average measurement of the pollutant over the day.
Daily Maximum	The highest allowable Daily Discharge.
Daily Minimum	The lowest allowable Daily Discharge.
Effective Date of Permit (EDP or EDPM)	The date this permit is in effect.
Effluent Limitations	Effluent limitation means any restriction on quantities, quality, rates and concentrations of chemical, physical, biological, and other constituents of effluents that are discharged into waters of the state.
Expiration Date of Permit (ExDP)	The date this permit is no longer in effect.
Instantaneous Maximum	The maximum level that may not be exceeded at any instant in time.
Instantaneous Minimum	The minimum level that must be maintained at all instants in time.
Monthly Average	The highest allowable average of daily discharges over a calendar month, calculated as the sum of each of the daily discharges measured during a calendar month divided by the number of daily discharges measured during that month.
Outfall	The terminus of a sewer system, or the point of emergence of any waterborne sewage, industrial waste or other wastes or the effluent therefrom, into the waters of the State.
Range	The minimum and maximum instantaneous measurements for the reporting period must remain between the two values shown.
Receiving Water	The classified waters of the state to which the listed outfall discharges.
Sample Frequency / Sample Type / Units	See NYSDEC's "DMR Manual for Completing the Discharge Monitoring Report for the SPDES" for information on sample frequency, type and units.

PERMIT LIMITS, LEVELS AND MONITORING - 001

OUTFALL	LIMITATIONS APPLY	RECEIVING WATER	EFFECTIVE	EXPIRING
001	All Year	Hudson River	01/28/2022	01/31/2022

PARAMETER	EFFLUENT LIMITATION					MONITORING REQUIREMENTS				FN
	Type	Limit	Units	Limit	Units	Sample Frequency	Sample Type	Location		
								Inf.	Eff.	
Flow	Monthly Average	9.5	MGD			Continuous	Recorder		X	
Flow	Daily Maximum	Monitor	MGD			Continuous	Recorder		X	
pH	Range	6.0-9.0	SU			3/Day	Grab		X	
Temperature	Daily Maximum	Monitor	°F			3/Day	Grab		X	
CBOD ₅	Monthly Average	25	mg/L	2000	lbs/d	2/Week	24-hr. Comp.	X	X	1
CBOD ₅	7-Day Average	40	mg/L	3200	lbs/d	2/Week	24-hr. Comp.		X	
Total Suspended Solids (TSS)	Monthly Average	30	mg/L	2400	lbs/d	2/Week	24-hr. Comp.	X	X	1
Total Suspended Solids (TSS)	7-Day Average	45	mg/L	3600	lbs/d	2/Week	24-hr. Comp.		X	
Settleable Solids	Daily Maximum	0.3	mL/L			3/Day	Grab	X	X	
Total Kjeldahl Nitrogen (TKN) (as N)	Monthly Average	Monitor	mg/L	Monitor	lbs/d	2/Week	24-hr. Comp.		X	
Total Kjeldahl Nitrogen (TKN) (as N)	Daily Maximum	Monitor	mg/L	Monitor	lbs/d	2/Week	24-hr. Comp.		X	
Ammonia (as N)	Daily Maximum	Monitor	mg/L	Monitor	lbs/d	2/Week	24-hr. Comp.		X	
Ammonia (as N) (May 1 st to Oct 31 st)	Monthly Average	22	mg/L	1700	lbs/d	2/Week	24-hr. Comp.		X	
Ammonia (as N) (Nov 1 st to Apr 30 th)	Monthly Average	34	mg/L	2700	lbs/d	2/Week	24-hr. Comp.		X	
Mercury, Total	Daily Maximum	50	ng/L			2/Month	Grab			
Mercury, Total	Monthly Average	Monitor	ng/L			2/Month	Grab			
Silver, Total	Daily Maximum	28	ug/L	2.2	lbs/d	2/Month	24-hr. Comp.			
Silver, Total	Monthly Average	Monitor	ug/L	Monitor	lbs/d	2/Month	24-hr. Comp.			
Sulfide, Total	Daily Maximum	220	ug/L	17	lbs/d	2/Month	24-hr. Comp.			
Sulfide, Total	Monthly Average	Monitor	ug/L	Monitor	lbs/d	2/Month	24-hr. Comp.			
Biennial Pollutant Scan						1/Two Years	-		X	2

PERMIT LIMITS, LEVELS AND MONITORING – 001 (continued)

ACTION LEVEL PARAMETERS	Type	Action Level	Units	Action Level	Units	Sample Frequency	Sample Type	Inf.	Eff.	FN
Arsenic, Total	Daily Maximum	Monitor	ug/L	0.35	lbs/d	2/Month	24-hr. Comp.		X	3
Cadmium, Total	Daily Maximum	Monitor	ug/L	2.0	lbs/d	2/Month	24-hr. Comp.		X	3
Chromium, Total	Daily Maximum	Monitor	ug/L	3.1	lbs/d	2/Month	24-hr. Comp.		X	3
Copper, Total	Daily Maximum	Monitor	ug/L	4.6	lbs/d	2/Month	24-hr. Comp.		X	3
Cyanide, Free	Daily Maximum	Monitor	ug/L	3.0	lbs/d	2/Month	Grab		X	3
Lead, Total	Daily Maximum	Monitor	ug/L	7.1	lbs/d	2/Month	24-hr. Comp.		X	3
Zinc, Total	Daily Maximum	Monitor	ug/L	7.7	lbs/d	2/Month	24-hr. Comp.		X	3
EFFLUENT DISINFECTION										
Required Seasonal from May 1st - October 31st		Limit	Units	Limit	Units	Sample Frequency	Sample Type	Inf.	Eff.	FN
Coliform, Fecal	30-Day Geometric Mean	200	No./100 mL			2/Week	Grab		X	
Coliform, Fecal	7-Day Geometric Mean	400	No./100 mL			2/Week	Grab		X	
WHOLE EFFLUENT TOXICITY (WET) TESTING										
	Limit	Units	Action Level	Units	Sample Frequency	Sample Type	Inf.	Eff.	FN	
WET - Acute Invertebrate	See footnote		6	TUa	Quarterly	See footnote		X	4	
WET - Acute Vertebrate	See footnote		6	TUa	Quarterly	See footnote		X	4	
WET - Chronic Invertebrate	See footnote		39	TUc	Quarterly	See footnote		X	4	
WET - Chronic Vertebrate	See footnote		39	TUc	Quarterly	See footnote		X	4	

Footnotes on next page.

FOOTNOTES – Outfall 001:

1. Effluent shall not exceed 15% and 15% of influent concentration values for CBOD₅ & TSS respectively.
2. Biennial Pollutant Scan: The permittee shall perform effluent sampling every two (2) years for all applicable pollutants identified in the NY-2A Application, Tables A - D. Sampling data shall be collected according to the guidance in the NY-2A application and maintained by the permittee. Monitoring results shall not be submitted on the DMR. Data shall be submitted with the next submission of the NY-2A form.
3. Action Levels: If the action level is exceeded, the additional monitoring requirement is triggered, and the permittee shall undertake a short-term, high-intensity, monitoring program. Samples identical to those required for routine monitoring purposes shall be taken on each of at least three consecutive days and analyzed. Results shall be expressed in both mass and concentration. If levels higher than the action levels are confirmed, the permittee shall evaluate the treatment system operation and identify and employ actions to reduce concentrations present in the discharge. The permit may also be reopened by the Department for consideration of revised action levels or effluent limits. Action level monitoring results and the effectiveness of the actions taken shall be summarized and submitted with the DMR data.
4. **Whole Effluent Toxicity (WET) Testing:**
Testing Requirements – Acute and if directed Chronic WET testing is required. Testing shall be performed in accordance with 40 CFR Part 136 and TOGS 1.3.2 unless prior written approval has been obtained from the Department. The test species shall be Ceriodaphnia dubia (water flea - invertebrate) and Pimephales promelas (fathead minnow - vertebrate). Receiving water collected upstream from the discharge should be used for dilution. All tests conducted should be static-renewal (two 24-hr composite samples with one renewal for Acute tests and three 24-hr composite samples with two renewals for Chronic tests). The appropriate dilution series should be used to generate a definitive test endpoint, otherwise an immediate rerun of the test may be required. WET testing shall be coordinated with the monitoring of chemical and physical parameters limited by this permit so that the resulting analyses are also representative of the sample used for WET testing. The ratio of critical receiving water flow to discharge flow (i.e. dilution ratio) is 20:1 for acute, and 39:1 for chronic. Discharges which are disinfected using chlorine should be dechlorinated prior to WET testing or samples shall be taken immediately prior to the chlorination system.

Monitoring Period - WET testing shall be performed quarterly (calendar quarters) during calendar years ending in 2 and 7.

Reporting - Toxicity Units shall be calculated and reported on the DMR as follows: $TU_a = (100)/(48\text{-hr LC50})$ [note that Acute data is generated by both Acute and Chronic testing] and $TU_c = (100)/(7\text{-day NOEC})$ or $(100)/(7\text{-day IC25})$ when Chronic testing has been performed or $TU_c = (TU_a) \times (10)$ when only Acute testing has been performed and is used to predict Chronic test results, where the 48-hr LC50, 7-day NOEC and/or IC25 are all expressed in % effluent. This must be done, including the Chronic prediction from the Acute data, for both species unless otherwise directed. For Chronic results, report the most sensitive endpoint (i.e. survival, growth and/or reproduction) corresponding to the lowest 7-day NOEC or IC25 and resulting highest TU_c . For Acute results, report a TU_a of 0.3 if there is no statistically significant mortality in 100% effluent as compared to the control. Report a TU_a of 1.0 if there is statistically significant mortality in 100% effluent as compared to the control, but insufficient mortality to generate a 48-hr LC50. Also, in the absence of a 48-hr LC50, use 1.0 TU_a for the Chronic prediction from the Acute data, and report a TU_c of 10.0.

The complete test report including all bench sheets, statistical analyses, reference toxicity data, daily average flow at the time of sampling and other appropriate supporting documentation, shall be submitted within 60 days following the end of each test period with your WET DMR and to the WET@dec.ny.gov email address. A summary page of the test results for the invertebrate and vertebrate species indicating TU_a , 48-hr LC50 for Acute tests and/or TU_c , NOEC, IC25, and most sensitive endpoints for Chronic tests, should also be included at the beginning of the test report.

WET Testing Action Level Exceedances - If an action level is exceeded then the Department may require the permittee to conduct additional WET testing including Acute and/or Chronic tests. Additionally, the permittee may be required to perform a Toxicity Identification/Reduction Evaluation (TI/RE) in accordance with Department guidance. Enforceable WET limits may also apply. The permittee shall be notified in writing by their Regional DEC office of additional requirements. The written notification shall include the reason(s) why such testing, TI/RE and/or limits are required.

PERMIT LIMITS, LEVELS AND MONITORING - 002

OUTFALL	LIMITATIONS APPLY				RECEIVING WATER		EFFECTIVE	EXPIRING		
002	All Year				Hudson River		02/01/2017	01/31/2022		
PARAMETER	EFFLUENT LIMITATION					MONITORING REQUIREMENTS				FN
	Type	Limit	Units	Limit	Units	Sample Frequency	Sample Type	Location		
								Inf.	Eff.	
Flow	Monthly Average	Monitor	MGD			Continuous	Recorder		X	1
Flow	Daily Maximum	Monitor	MGD			Continuous	Recorder		X	1
pH	Range	Monitor	SU			1/Day	Grab		X	2
CBOD ₅	Monthly Average	Monitor	mg/L			1/Day	Grab		X	2
CBOD ₅	Daily Maximum	Monitor	mg/L			1/Day	Grab		X	2
Total Suspended Solids (TSS)	Monthly Average	Monitor	mg/L			1/Day	Grab		X	2
Total Suspended Solids (TSS)	Daily Maximum	Monitor	mg/L			1/Day	Grab		X	2
Settleable Solids	Daily Maximum	Monitor	mL/L			1/Day	Grab		X	2

FOOTNOTES – Outfall 002:

1. Discharge through Outfall 002 (Combined Sewer Overflow) is prohibited unless influent flows to the WWTP exceed 13.35 MGD.
2. Monitoring is required once per 24-hour period during which discharge through Outfall 002 occurs. Samples shall be collected at the main influent channel.

STORMWATER POLLUTION PREVENTION REQUIREMENTS

NO EXPOSURE CERTIFICATION

The permittee submitted a Conditional Exclusion for No Exposure Form on 1/6/2022, certifying that all industrial activities and materials are completely sheltered from exposure to rain, snow, snowmelt, and/or stormwater runoff. The permittee must maintain a condition of no exposure for the exclusion to remain applicable. If conditions change resulting in the exposure of materials and activities to stormwater, the permittee must notify the Regional Water Engineer. The permittee must recertify a condition of no exposure every five years by completing the "No Exposure Certification Form" found on the NYSDEC website.

BEST MANAGEMENT PRACTICES FOR COMBINED SEWER OVERFLOWS

The permittee shall implement the following Best Management Practices (BMPs). These BMPs are designed to implement operation & maintenance procedures, utilize the existing treatment facility and collection system to the maximum extent practicable, and implement sewer design, replacement and drainage planning, to maximize pollutant capture and minimize water quality impacts from combined sewer overflows. The BMPs are equivalent to the "Nine Minimum Control Measures" required under the USEPA National Combined Sewer Overflow policy. The EPA's policy is available at <https://www.epa.gov/npdes/combined-sewer-overflows-csos>

1. CSO Maintenance/Inspection - The permittee shall develop a written maintenance and inspection program for all CSOs listed on page(s) 3 of this permit. This program shall include all regulators tributary to these CSOs and shall be conducted during periods of both dry and wet weather. This is to ensure that no discharges occur during dry weather and that the maximum amount of wet weather flow is conveyed to the City of Glens Falls POTW for treatment. This program shall consist of inspections with required repair, cleaning and maintenance done as needed. This program shall consist of monthly inspections.

Inspection reports shall be completed indicating visual inspection, any observed flow, incidence of rain or snowmelt, condition of equipment and work required. These reports shall be in a format approved by the Region 5 Office and submitted to the Region with the monthly operating report (Form 92-15-7).

2. Maximum Use of Collection System for Storage - The permittee shall optimize the collection system by operating and maintaining it to minimize the discharge of pollutants from CSOs. It is intended that the maximum amount of in-system storage capacity be used (without causing service backups) to minimize CSOs and convey the maximum amount of combined sewage to the treatment plant in accordance with Item 4 below. This shall be accomplished by an evaluation of the hydraulic capacity of the system but should also include a continuous program of flushing or cleaning to prevent deposition of solids and the adjustment of regulators and weirs to maximize storage.
3. Industrial Pretreatment - The approved Industrial Pretreatment Program shall consider CSOs in the calculation of local limits for indirect discharges. Discharge of persistent toxics upstream of CSOs will be in accordance with guidance under (NYSDEC Division of Water Technical and Operational Guidance Series (TOGS) 1.3.8 New Discharges to POTWs. (http://www.dec.ny.gov/docs/water_pdf/togs138.pdf). For industrial operations characterized by use of batch discharge, consideration shall be given to the feasibility of a schedule of discharge during conditions of no CSO. For industrial discharges characterized by continuous discharge, consideration must be given to the collection system capacity to maximize delivery of waste to the treatment plant. Non-contact cooling water should be excluded from the combined system to the maximum extent practicable. Direct discharges of cooling water must apply for a SPDES permit.

To the maximum extent practicable, consideration shall be given to maximize the capture of nondomestic waste containing toxic pollutants and this wastewater should be given priority over residential/commercial service areas for capture and treatment by the POTW.

4. Maximize Flow to POTW - Factors cited in Item 2. above shall also be considered in maximizing flow to the POTW. Maximum delivery to the POTW is particularly critical in treatment of "first-flush" flows. The treatment plant shall be capable of receiving and treating: the peak design hydraulic loading rates of 13.35 for all process units. The collection system and headworks must be capable of delivering these flows during wet weather. If the permittee cannot deliver maximum design flow for treatment, the permittee shall submit a plan and schedule for accomplishing this requirement within 12 months after the effective date of this permit.
5. Prohibition of Dry Weather Overflow - Dry weather overflows from the combined sewer system are prohibited. The occurrence of any dry weather overflow shall be promptly abated and reported to the NYSDEC Region 5 Office in accordance with 6 NYCRR Part 750-2.7.

BEST MANAGEMENT PRACTICES FOR COMBINED SEWER OVERFLOWS (continued)

6. Wet Weather Operating Plan (WWOP) - The permittee shall maximize treatment during wet weather events. This shall be accomplished by having a WWOP containing procedures so as to operate unit processes to treat maximum flows while not appreciably diminishing effluent quality or destabilizing treatment upon return to dry weather operation. The WWOP shall be developed in accordance with the DEC guidance, Wet Weather Operating Practices for POTWs With Combined Sewers, (http://www.dec.ny.gov/docs/water_pdf/wwtechtran.pdf), and submitted to the Regional Water Engineer and the Bureau of Water Permits for review and approval in accordance with the Schedule of Submittals. A revised Wet Weather Operating Plan was submitted on 4/4/2017.

The submission of a WWOP is a one-time requirement that shall be done to the Department's satisfaction once. However, a revised wet weather operating plan must be submitted whenever the POTW and/or sewer collection system is replaced or modified. When this permit is administratively renewed by NYSDEC letter entitled "SPDES NOTICE/RENEWAL APPLICATION/PERMIT", the permittee is not required to repeat the submission. The above due dates are independent from the effective date of the permit stated in the letter of "SPDES NOTICE/RENEWAL APPLICATION/PERMIT".

7. Control of Floatable and Settleable Solids - The discharge of floating solids, oil and grease, or solids of sewage origin which cause deposition in the receiving waters, is a violation of the NYS Narrative Water Quality Standards contained in Part 703. As such, the permittee shall implement best management practices in order to eliminate or minimize the discharge of these substances. All of the measures cited in Items 1, 2, 4 & 5 above shall constitute approvable "BMPs" for mitigation of this problem. If aesthetic problems persist, the permittee should consider additional BMPs including but not limited to: street sweeping, litter control laws, installation of floatables traps in catch basins (such as hoods), booming and skimming of CSOs, and disposable netting on CSO outfalls. In cases of severe or excessive floatables generation, booming and skimming should be considered an interim measure prior to implementation of final control measures. Public education on harmful disposal practices of personal hygienic devices may also be necessary including but not limited to: public broadcast television, printed information inserts in sewer bills, or public health curricula in local schools.
8. Combined Sewer System Replacement - Replacement of combined sewers shall not be designed or constructed unless approved by NYSDEC. When replacement of a combined sewer is necessary it shall be replaced by separate sanitary and storm sewers to the greatest extent possible. These separate sanitary and storm sewers shall be designed and constructed simultaneously but without interconnections to maximum extent practicable. When combined sewers are replaced, the design should contain cross sections which provide sewage velocities which prevent deposition of organic solids during low flow conditions.
9. Combined Sewer/Extension - Combined sewer/extension, when allowed should be accomplished using separate sewers. These sanitary and storm sewer extensions shall be designed and constructed simultaneously but without interconnections. No new source of stormwater shall be connected to any separate sanitary sewer in the collection system.

If separate sewers are to be extended from combined sewers, the permittee shall demonstrate the ability of the sewerage system to convey, and the treatment plant to adequately treat, the increased dry-weather flows. Upon a determination by the Regional Water Engineer an assessment shall be made by the permittee of the effects of the increased flow of sanitary sewage or industrial waste on the strength of CSOs and their frequency of occurrence including the impacts upon best usage of the receiving water. This assessment should use techniques such as collection system and water quality modeling contained in the 1999 Water Environment Federation Manual of Practice FD-17 entitled, Prevention and Control of Sewer System Overflows, 2nd edition.

10. Sewage Backups - If, there are documented, recurrent instances of sewage backing up into house(s) or discharges of raw sewage onto the ground surface from surcharging manholes, the permittee shall, upon letter notification from DEC, prohibit further connections that would exacerbate the surcharging/back-up problems.
11. Septage and Hauled Waste - The discharge or release of septage or hauled waste upstream of a CSO is prohibited.
12. Control of Runoff - It is recommended that the impacts of runoff from development and redevelopment in areas served by combined sewers be reduced by requiring compliance with the New York Standards for Erosion and Sediment Control and the quantity control requirements included in the New York State Stormwater Management Design Manual. (<http://www.dec.ny.gov/chemical/8694.html>).

BEST MANAGEMENT PRACTICES FOR COMBINED SEWER OVERFLOWS (continued)

13. Public Notification – The permittee shall maintain identification signs at all CSO outfalls owned and operated by the permittee. The permittee shall place the signs at or near the CSO outfalls and ensure that the signs are easily readable by the public. The signs shall have **minimum** dimensions of eighteen inches by twenty-four inches (18" x 24") and shall have white letters on a green background and contain the following information:

<p style="text-align: center;">N.Y.S. PERMITTED DISCHARGE POINT (wet weather discharge) SPDES PERMIT No.: NY _____</p> <p style="text-align: center;">OUTFALL No. : _____</p> <p>For information about this permitted discharge contact:</p> <p>Permittee Name:</p> <p>Permittee Contact:</p> <p>Permittee Phone: () - ### - ####</p> <p>OR:</p> <p>NYSDEC Division of Water Regional Office Address:</p> <p>NYSDEC Division of Water Regional Phone: () - ### - ####</p>

14. Characterization and Monitoring - The permittee shall characterize the combined sewer system, determine the frequency of overflows, and identify CSO impacts in accordance with Combined Sewer Overflows, Guidance for Nine Minimum Controls, EPA, 1995, Chapter 10. These are minimum requirements, more extensive characterization and monitoring efforts which may be required as part of the Long-Term Control Plan.
15. Annual Report - The permittee shall submit the Combined Sewer Overflows (CSO) Annual Report Form (<https://www.dec.ny.gov/chemical/48985.html>), which summarizes the implementation of the above BMPs and the CSO Long-Term Control Plan. The CSO Annual Report shall be submitted by January 31st of each year to the Regional Water Engineer and to the Bureau of Water Permits. The complete documentation shall be stored at a central location and be made available to DEC upon request.

SPECIAL CONDITIONS: CSO CONTROL POLICY

A. Water Quality Requirements for Combined Sewer Overflows Long-Term Control Plan

The permittee submitted a LTCP in May 2012 in accordance with the Guidance for Long-Term Control Plan, EPA, September 1995. The plan was revised in January 2013 and approved on January 29, 2013. In accordance with the approved LTCP, the permittee was required to:

- Develop an asset management plan for planning and budgeting long term CSS and WWTP operations and maintenance
- Complete GIS mapping of the entire collection
- Clean and rehabilitate the CSS
- Install new regulator at CSO 002 outfall with stormwater screen for floatables control
- Replace mechanical bar screens at preliminary treatment building
- Upgrade the aeration system to reactivate the second aeration tank

Implementation of the LTCP was completed¹ in October 2015. The permittee shall continue to effectively operate and maintain the CSO controls identified in the long-term control plan.

Water Quality Criterion – Presumption Approach

The permittee shall not discharge any pollutant at a level that causes an in-stream excursion of the applicable water quality requirements. The EPA 1994 CSO Control Policy indicates that a CSO control plan that meets the criteria below would provide an adequate level on control to meet the water quality requirements of the CWA. Following implementation of the approved LTCP, the following criteria shall be an enforceable performance metric under this permit:

- I. The permittee shall eliminate or capture for treatment, at least 85 percent by volume of the system-wide combined sewage collected in combined sewer system during precipitation events on a system-wide annual average basis.

Any additional discharges of combined sewage flow during wet weather shall receive the minimum treatment specified below:

- Primary clarification or equivalent, and
- Solids and floatables disposal, and
- Disinfection, if required to meet WQS, protect designated uses, and protect human health, including removal of harmful disinfection chemical residuals.

B. Monitoring Requirements – Post Construction Compliance Monitoring Program

1. In accordance with the Schedule of Submittals, the permittee shall submit a revised approvable post-construction monitoring plan (PCCMP) that (a) is adequate to ascertain the effectiveness of the CSO controls and (b) can be used to verify attainment of water quality standards. The PCCMP must include the proposed sampling locations, sampling schedule, details on how effectiveness of the CSO controls will be assessed, and a Quality Assurance Project Plan² (QAPP) that details the laboratory that will be performing the analysis³, monitoring protocols to be followed, where appropriate, including CSO and ambient monitoring. The sampling schedule shall be developed to target the periods for which CSO events are most likely to occur. Ambient sampling must be conducted, at a minimum, for all pollutants listed in Section B.2 below and for all pollutants for which the 303(d) list identifies CSOs as a source of the pollutant to the receiving water(s). Guidance on CSO post construction compliance monitoring and reporting can be found at:

https://www.epa.gov/sites/default/files/2015-10/documents/final_csos_pccm_guidance.pdf.

¹ Implementation of the LTCP Recommended Plan was limited to the projects listed under Phase 1 – SPDES Permit and CSO Compliance. The Phase 2 and 3 projects were identified for future planning and the need for their implementation will be dependent upon the improvements in WWTP and collection system performance and their subsequent impact on water quality. The need to implement Phases 2 and 3 will be subject to the results of PCCM and future wastewater capacity needs to support regional economic growth.

² The QAPP shall be developed as outlined in the EPA Requirements for Quality Assurance Project Plans for Environmental Data Operations, EPA QA/R-5.

³ All chemical analyses must be conducted by a laboratory certified by the NYS Health Department under the National Environmental Laboratory Approval Program (NELAP) for test or sample results which require certificates of approval. Tests for pH, temperature, dissolved oxygen and settleable solids do not require certificates of approval but a description of the equipment used, and the calibration schedule of appropriate equipment is required.

SPECIAL CONDITIONS: CSO CONTROL POLICY (continued)

2. The PCCM Program sampling shall be implemented, in accordance with the approved PCCMP required in Section B.1 above, during years ending in **1** and **6**. Ambient sampling must be conducted, at a minimum, for the following parameters:

PARAMETER	Units	Sample Type
BOD ₅	mg/L	Grab
Coliform, Fecal	#/100ml	Grab
Dissolved Oxygen	mg/L	Grab
Floatable Material	-	Visual Observation
Ammonia (as NH ₃)	mg/L	Grab
Solids, Settleable	mL/L	Grab
Solids, Suspended	mg/L	Grab

3. By March 31st of the year following PCCM sampling, the permittee shall submit an approvable PCCM Program Report. The PCCM Program Report shall include:
- Analytical results of the PCCM sampling,
 - The number of CSO events and volume of CSO discharged during the PCCM period,
 - An assessment of whether CSO receiving water quality complies with applicable water quality standards,
 - Recommendations for potential improvements in CSO controls for when water quality standards are not attained, and
 - A discussion of whether the CSO controls are meeting the frequency goals of the Presumptive Approach, selected by the permittee in the LTCP, to verify the effectiveness of the CSO controls.

C. Special Conditions

1. Sensitive Area⁴ Reassessment

The permittee shall reassess overflows to sensitive areas stated in the LTCP, where elimination or relocation of the overflows is not physically possible or economically achievable. The permittee shall also assess whether new or additional sensitive areas may be affected by overflows that were not initially identified in the LTCP. The permittee shall consider new or improved techniques to eliminate or relocate overflows or changed circumstances that influence economic achievability. The permittee shall prepare and submit to the Regional Water Engineer a report, separately from the PCCM Program Report, that presents the results of this reassessment, feasible improvements to eliminate or minimize overflows to sensitive areas, and the permittee's recommendation regarding the elimination or relocation of these outfalls. The permittee shall submit such reports by December 31st in the same year the PCCM Program Report is submitted.

2. Reopener

This permit may be modified or revoked and reissued, as provided pursuant to 6 NYCRR 750-1.18, 6 NYCRR 750-1.20, 40 CFR 122.62 and 124.5, for the following reasons:

- To include new or revised conditions developed to comply with any state or federal law or regulation that addresses CSOs that are adopted or promulgated subsequent to the effective date of this permit.
- To include new or revised conditions if new information, not available at the time of permit issuance, indicates that CSO controls imposed under the permit have failed to ensure the attainment of applicable water quality requirements.

⁴ Sensitive areas include designated Outstanding National Resource Waters, National Marine Sanctuaries, waters with threatened or endangered species and their habitat, waters with primary contact recreation, public drinking water intakes or their designated protection areas, and shellfish beds, waters listed on the NYSDEC 303(d) list, or any other area determined by the Department.

MERCURY MINIMIZATION PROGRAM (MMP) - Type I

1. General - The permittee must develop, implement, and maintain a mercury minimization program (MMP), containing the elements set forth below, to reduce mercury effluent levels with the goal of achieving the WQBEL of 0.7 ng/L.
2. MMP Elements - The MMP must be a written document and must include any necessary drawings or maps of the facility and/or collection system. Other related documents already prepared for the facility may be used as part of the MMP and may be incorporated by reference. At a minimum, the MMP must include the following elements as described in detail below:
 - a. Monitoring - Monitoring at Outfall 001, influent and other locations tributary to compliance points may be performed using either USEPA Method 1631 or another sufficiently sensitive method, as approved under 40 CFR Part 136⁵. Monitoring of raw materials, equipment, treatment residuals, and other non-wastewater/non-stormwater substances may be performed using other methods as appropriate. Monitoring must be coordinated so that the results can be effectively compared between locations.

Minimum required monitoring is as follows:

- i. Sewage Treatment Plant Influent and/or Effluent – The permittee must collect samples at the location(s) and frequency as specified in the SPDES permit limitations table.
 - ii. Key Locations and Potential Mercury Sources – The permittee must sample *key locations*, chosen to identify *potential mercury sources*, at least semi-annually. Sampling of discharges from dental facilities in compliance with 6 NYCRR 374.4 is not required.
 - iii. Hauled Wastes – The permittee must establish procedures for the acceptance of hauled waste to ensure the hauled waste is not a potential mercury source. Loads which may exceed 500 ng/L,⁶ must receive approval from the Department prior to acceptance.
 - iv. Decreased Monitoring Requirements - Facilities with EEQ at or below 12 ng/L are eligible for the following:
 - 1) Reduced requirements, through a permittee-initiated permit modification
 - a) Conduct influent monitoring, sampling quarterly, in lieu of monitoring within the collection system, such as at *key locations*; and
 - b) Conduct effluent compliance sampling quarterly.
 - 2) If a facility with reduced requirements reports discharges above 12 ng/L for two of four consecutive effluent samples, the Department may undertake a Department-initiated modification to remove the allowance of reduced requirements.
 - 3) Under the decreased permit requirements, the facility must continue to conduct a status report, as applicable in accordance with 2.c of this MMP, to determine if any waste streams have changed.
 - v. Additional monitoring must be completed as required elsewhere in this permit (e.g., locations tributary to compliance points).
- b. Control Strategy - The control strategy must contain the following minimum elements:
 - i. Pretreatment/Sewer Use Law - The permittee must review pretreatment program requirements and the Sewer Use Law (SUL) to ensure it is up-to-date and enforceable with applicable permit requirements and will support efforts to achieve a dissolved mercury concentration of 0.70 ng/L in the effluent.

⁵ Outfall monitoring must be conducted using the methods specified in Table 8 of *DOW 1.3.10*.

⁶A level of 0.2 mg/L (200,000 ng/L) or more is considered hazardous per 40 CFR Part 261.11. 500 ng/L is used here to alert the permittee that there is an unusual concentration of mercury and that it will need to be managed appropriately.

MERCURY MINIMIZATION PROGRAM (MMP) - Type I (Continued)

- ii. Monitoring and Inventory/Inspections for Outfall
 - 1) Monitoring shall be performed as described in 2.a above. As mercury sources are found, the permittee must enforce its sewer use law to track down and minimize these sources.
 - 2) The permittee must inventory and/or inspect users of its system as necessary to support the MMP.
 - a) Dental Facilities
 - 1. The permittee must maintain an inventory of each dental facility.
 - 2. The permittee must inspect each dental facility at least once every five years to verify compliance with the wastewater treatment operation, maintenance, and notification elements of 6 NYCRR 374.4. Alternatively, the permittee may develop and implement an outreach program,⁷ which informs users of their responsibilities, and collect the "Amalgam Waste Compliance Report for Dental Dischargers"⁸ form, as needed, to satisfy the inspection requirements. The permittee must conduct the outreach program at least once every five years and ensure the "Amalgam Waste Compliance Report for Dental Dischargers" are submitted by new users, as necessary. The outreach program could be supported by a subset of site inspections.
 - 3. A file shall be maintained containing documentation demonstrating compliance with 2.b.ii.2)a) above. This file shall be available for review by the Department representatives and copies shall be provided upon request.
 - b) Other potential mercury sources
 - 1. The permittee must maintain an inventory of other *potential mercury sources*.
 - 2. The permittee must inspect other *potential mercury sources* once every five years. Alternatively, the permittee may develop and implement an outreach program which informs users of their responsibilities as *potential mercury sources*. The permittee must conduct the outreach program at least once every five years. The outreach program should be supported by a subset of site inspections.
 - 3. A file shall be maintained containing documentation demonstrating compliance with 2.b.ii.2)b) above. This file shall be available for review by the Department representatives and copies shall be provided upon request.
- iii. Systems with CSO & Type II SSO Outfalls – Permittees must prioritize *potential mercury sources* upstream of CSOs and Type II SSOs for mercury reduction activities and/or controlled-release discharge.
- iv. Equipment and Materials – Equipment and materials (e.g., thermometers, thermostats) used by the permittee, which may contain mercury, must be evaluated by the permittee. As equipment and materials containing mercury are updated/replaced, the permittee must use mercury-free alternatives, if possible.
- v. Bulk Chemical Evaluation – For chemicals, used at a rate which exceeds 1,000 gallons/year or 10,000 pounds/year, the permittee must obtain a manufacturer's certificate of analysis, a chemical analysis performed by a certified laboratory, and/or a notarized affidavit which describes the substances' mercury concentration and the detection limit achieved. If possible, the permittee must only use bulk chemicals utilized in the wastewater treatment process which contain <10 ppb mercury.

⁷ For example, the outreach program could include education about sources of mercury and what to do if a mercury source is found.

⁸ The form, "Amalgam Waste Compliance Report for Dental Dischargers," can be found here:
https://www.dec.ny.gov/docs/water_pdf/dentalform.pdf

MERCURY MINIMIZATION PROGRAM (MMP) - Type I (Continued)

- c. Status Report - An annual status report must be developed and maintained on site, in accordance with the Schedule of Additional Submittals, summarizing:
- i. All MMP monitoring results for the previous reporting period;
 - ii. A list of known and *potential mercury sources*
 - 1) If the permittee meets the criteria for MMP Type IV, the permittee must notify the Department for a permittee-initiated modification;
 - iii. All actions undertaken, pursuant to the control strategy, during the previous reporting period;
 - iv. Actions planned, pursuant to the control strategy, for the upcoming reporting period; and
 - v. Progress towards achieving a dissolved mercury concentration of 0.70 ng/L in the effluent (e.g., summarizing reductions in effluent concentrations as a result of the control strategy implementation and/or installation/modification of a treatment system).

The permittee must maintain a file with all MMP documentation. The file must be available for review by Department representatives and copies must be provided upon request in accordance with 6 NYCRR 750-2.1(i) and 750-2.5(c)(4).

3. MMP Modification - The MMP must be modified whenever:
- a. Changes at the facility, or within the collection system, increase the potential for mercury discharges;
 - b. Effluent discharges exceed the current permit limitation(s); or
 - c. A letter from the Department identifies inadequacies in the MMP.

The Department may use information in the status reports, as applicable in accordance with 2.c of this MMP, to determine if the permit limitations and MMP Type is appropriate for the facility.

DEFINITIONS:

Key location – a location within the collection/wastewater system (e.g. including but not limited to a specific manhole/access point, tributary sewer/wastewater connection, or user discharge point) identified by the permittee as a potential mercury source. The permittee may adjust key locations based upon sampling and/or best professional judgement.

Potential mercury source – a source identified by the permittee that may reasonably be expected to have total mercury contained in the discharge. Some potential mercury sources include switches, fluorescent lightbulbs, cleaners, degreasers, thermometers, batteries, hauled wastes, universities, hospitals, laboratories, landfills, Brownfield sites, or raw material storage.

DISCHARGE NOTIFICATION REQUIREMENTS

- (a) The permittee shall install and maintain identification signs at all outfalls to surface waters listed in this permit, unless the Permittee has obtained a waiver in accordance with the Discharge Notification Act (DNA). Such signs shall be installed before initiation of any discharge.
- (b) Subsequent modifications to or renewal of this permit does not reset or revise the deadline set forth in (a) above, unless a new deadline is set explicitly by such permit modification or renewal.
- (c) The Discharge Notification Requirements described herein do not apply to outfalls from which the discharge is composed exclusively of storm water, or discharges to ground water.
- (d) The sign(s) shall be conspicuous, legible and in as close proximity to the point of discharge as is reasonably possible while ensuring the maximum visibility from the surface water and shore. The signs shall be installed in such a manner to pose minimal hazard to navigation, bathing or other water related activities. If the public has access to the water from the land in the vicinity of the outfall, an identical sign shall be posted to be visible from the direction approaching the surface water.

The signs shall have **minimum** dimensions of eighteen inches by twenty-four inches (18" x 24") and shall have white letters on a green background and contain the following information:

<p>N.Y.S. PERMITTED DISCHARGE POINT</p> <p>SPDES PERMIT No.: NY _____</p> <p>OUTFALL No. : _____</p> <p>For information about this permitted discharge contact:</p> <p>Permittee Name: _____</p> <p>Permittee Contact: _____</p> <p>Permittee Phone: () - ### - #####</p> <p>OR:</p> <p>NYSDEC Division of Water Regional Office Address:</p> <p>NYSDEC Division of Water Regional Phone: () - ### - #####</p>

- (e) Upon request, the permittee shall make available electronic or hard copies of the sampling data to the public. In accordance with the RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS page of your permit, each DMR shall be maintained (either electronically or as a hard copy) on record for a period of five years.
- (f) The permittee shall periodically inspect the outfall identification sign(s) in order to ensure they are maintained, are still visible, and contain information that is current and factually correct. Signs that are damaged or incorrect shall be replaced within 3 months of inspection.

INDUSTRIAL PRETREATMENT PROGRAM IMPLEMENTATION REQUIREMENTS

- A. **DEFINITIONS:** Generally, terms used in this Section shall be defined as in the General Pretreatment Regulations (40 CFR Part 403). Specifically, the following definitions apply to terms used in this Section:
1. **Categorical Industrial User (CIU):** an industrial user of the POTW that is subject to Categorical Pretreatment Standards under 40 CFR 403.6 and 40 CFR Chapter I, Subchapter N;
 2. **Local Limits:** General Prohibitions, specific prohibitions and specific limits as set forth in 40 CFR 403.5.
 3. **The Publicly Owned Treatment Works (POTW):** as defined by 40 CFR 403.3(q) and that discharges in accordance with this permit.
 4. **Program Submission(s):** requests for approval or modification of the POTW Pretreatment Program submitted in accordance with 40 CFR 403.11 or 403.18 and approved by USEPA on September 28, 1984.
 5. **Significant Industrial User (SIU):**
 - a) CIUs;
 - b) Except as provided in 40 CFR 403.3(v)(3), any other industrial user that discharges an average of 25,000 gallons per day or more of process wastewater (excluding sanitary, non-contact cooling and boiler blowdown wastewater) to the POTW;
 - c) Except as provided in 40 CFR 403.3(v)(3), any other industrial user that contributes a process waste stream which makes up 5 percent or more of the average dry weather hydraulic or organic capacity of the POTW treatment plant;
 - d) Any other industrial user that the permittee designates as having a reasonable potential for adversely affecting the POTW's operation or for violating a pretreatment standard or requirement.
 6. **Substances of Concern:** Substances identified by the New York State Department of Environmental Conservation Industrial Chemical Survey as substances of concern.
- B. **IMPLEMENTATION:** The permittee shall implement a POTW Pretreatment Program in accordance 40 CFR Part 403 and as set forth in the permittee's approved Program Submission(s). Modifications to this program shall be made in accordance with 40 CFR 403.18. Specific program requirements are as follows:
1. **Industrial Survey:** To maintain an updated inventory of industrial dischargers to the POTW the permittee shall:
 - a) Identify, locate and list all industrial users who might be subject to the industrial pretreatment program from the pretreatment program submission and any other necessary, appropriate and available sources. This identification and location list will be updated, at a minimum, every five years. As part of this update the permittee shall collect a current and complete New York State Industrial Chemical Survey form (or equivalent) from each SIU.
 - b) Identify the character and volume of pollutants contributed to the POTW by each industrial user identified in B.1.a above that is classified as a SIU.
 - c) Identify, locate and list, from the pretreatment program submission and any other necessary, appropriate and available sources, all SIUs of the POTW.
 2. **Control Mechanisms:** To provide adequate notice to and control of industrial users of the POTW the permittee shall:
 - a) Inform by certified letter, hand delivery courier, overnight mail, or other means which will provide written acknowledgment of delivery, all industrial users identified in B.1.a. above of applicable pretreatment standards and requirements including the requirement to comply with the local sewer use law, regulation or ordinance and any applicable requirements under section 204(b) and 405 of the Federal Clean Water Act and Subtitles C and D of the Resource Conservation and Recovery Act.

INDUSTRIAL PRETREATMENT PROGRAM IMPLEMENTATION REQUIREMENTS (continued)

- b) Control through permit or similar means the contribution to the POTW by each SIU to ensure compliance with applicable pretreatment standards and requirements. Permits shall contain limitations, sampling frequency and type, reporting and self-monitoring requirements as described below, requirements that limitations and conditions be complied with by established deadlines, an expiration date not later than five years from the date of permit issuance, a statement of applicable civil and criminal penalties and the requirement to comply with Local Limits and any other requirements in accordance with 40 CFR 403.8(f)(1).
3. **Monitoring and Inspection:** To provide adequate, ongoing characterization of non-domestic users of the POTW, the permittee shall:
- Receive and analyze self-monitoring reports and other notices. The permittee shall require all SIUs to submit self-monitoring reports at least every six months unless the permittee collects all such information required for the report, including flow data.
 - The permittee shall adequately inspect each SIU at a minimum frequency of once per year.
 - The permittee shall collect and analyze samples from each SIU for all priority pollutants that can reasonably be expected to be detectable at levels greater than the levels found in domestic sewage at a minimum frequency of once per year.
 - Require, through permits, each SIU to collect at least one 24 hour, flow proportioned composite (where feasible) effluent sample every six months and analyze each of those samples for all priority pollutants that can reasonably be expected to be detectable in that discharge at levels greater than the levels found in domestic sewage. The permittee may perform the aforementioned monitoring in lieu of the SIU except that the permittee must also perform the compliance monitoring described in 3.c.
4. **Enforcement:** To assure adequate, equitable enforcement of the industrial pretreatment program the permittee shall:
- Investigate instances of noncompliance with pretreatment standards and requirements, as indicated in self-monitoring reports and notices or indicated by analysis, inspection and surveillance activities. Sample taking and analysis and the collection of other information shall be performed with sufficient care to produce evidence admissible in enforcement proceedings or in judicial actions. Enforcement activities shall be conducted in accordance with the permittee's Enforcement Response Plan developed and approved in accordance with 40 CFR Part 403.
 - Enforce compliance with all national pretreatment standards and requirements in 40 CFR Parts 406 - 471.
 - Provide public notification of significant non-compliance as required by 40 CFR 403.8(f)(2)(viii).
 - Pursuant to 40 CFR 403.5(e), when either the Department or the USEPA determines any source contributes pollutants to the POTW in violation of Pretreatment Standards or Requirements the Department or the USEPA shall notify the permittee. Failure by the permittee to commence an appropriate investigation and subsequent enforcement action within 30 days of this notification may result in appropriate enforcement action against the source and permittee.
5. **Recordkeeping:** The permittee shall maintain and update, as necessary, records identifying the nature, character, and volume of pollutants contributed by SIUs. Records shall be maintained in accordance with 6 NYCRR 750-2.5(c).
6. **Staffing:** The permittee shall maintain minimum staffing positions committed to implementation of the Industrial Pretreatment Program in accordance with the approved pretreatment program.
- C. **SLUDGE DISPOSAL PLAN.** The permittee shall notify NYSDEC, and USEPA as long as USEPA remains the approval authority, 60 days prior to any major proposed change in the sludge disposal plan. NYSDEC may require additional pretreatment measures or controls to prevent or abate an interference incident relating to sludge use or disposal.

INDUSTRIAL PRETREATMENT PROGRAM IMPLEMENTATION REQUIREMENTS (continued)

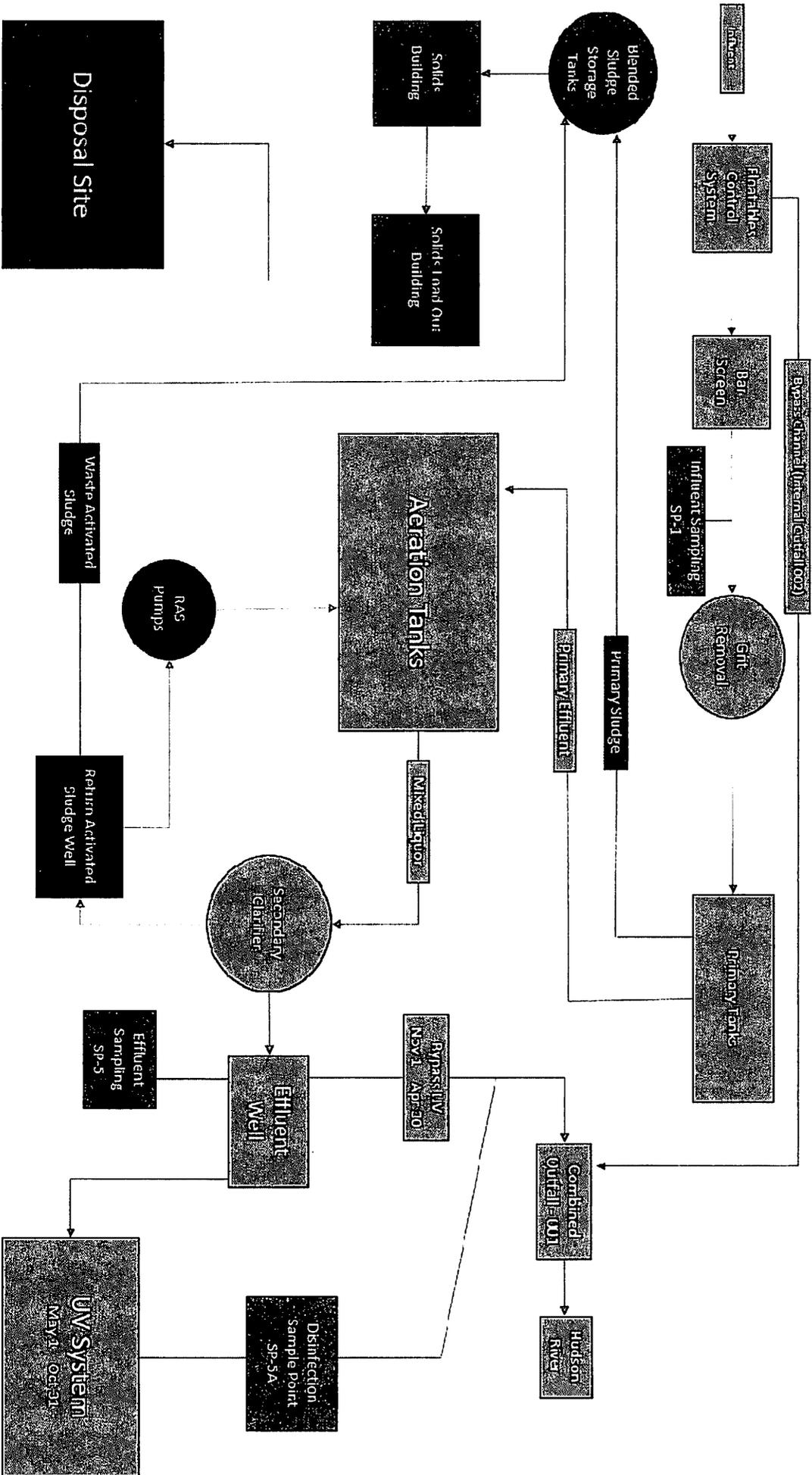
- D. **REPORTING:** The permittee shall provide to the offices listed on the Monitoring, Reporting and Recording page of this permit and to the Chief-Water Compliance Branch, USEPA Region II, 290 Broadway, New York, NY 10007, a periodic report that briefly describes the permittee's program activities over the previous year. This report shall be submitted in accordance with the Schedule of Submittals to the above noted offices within 60 days of the end of the reporting period. The reporting period shall be annual with reporting period(s) ending on September 30th of each year. The periodic report shall include:
1. **Industrial Survey:** Updated industrial survey information in accordance with 40 CFR 403.12(i)(1) (including any NYS Industrial Chemical Survey forms updated during the reporting period).
 2. **Implementation Status:** Status of Program Implementation, to include:
 - a) Any interference, upset or permit violations experienced at the POTW directly attributable to industrial users.
 - b) Listing of SIUs issued permits.
 - c) Listing of SIUs inspected and/or monitored during the previous reporting period and summary of results.
 - d) Listing of SIUs notified of promulgated pretreatment standards or applicable local standards who are on compliance schedules. The listing should include for each facility the final date of compliance.
 - e) Summary of POTW monitoring results not already submitted on Discharge Monitoring Reports and toxic loadings from SIU's organized by parameter.
 - f) A summary of additions or deletions to the list of SIUs, with a brief explanation for each deletion.
 3. **Enforcement Status:** Status of enforcement activities to include:
 - a) Listing of SIUs in significant non-compliance (as defined by 40 CFR 403.8(f)(2)(viii) with federal or local pretreatment standards at end of the reporting period.
 - b) Summary of enforcement activities taken against non-complying SIUs. The permittee shall provide a copy of the public notice of significant violators as specified in 40 CFR 403.8(f)(2)(viii).
- E. **ADDITIONAL PRETREATMENT CONDITIONS:**
1. **Notification of Material Change:** Facility shall notify the NYSDEC prior to the addition of any SIUs or CIUs which may materially change the nature of the discharge from the POTW or increase the discharge of one or more substances authorized in this permit or discharge a substance not currently authorized in this permit (6 NYCRR Part 750-2.9(a)(1)). The noticed act is prohibited until the Department determines whether a permit modification is necessary pursuant to 750-2.9(a)(2).

MONITORING LOCATIONS

The permittee shall take samples and measurements, to comply with the monitoring requirements specified in this permit, at the location(s) specified below:

Influent: Influent Sampling SP-1

Effluent: Effluent Sampling SP-5 and Disinfection Sample Point SP-5A



GENERAL REQUIREMENTS

A. The regulations in 6 NYCRR Part 750 are hereby incorporated by reference and the conditions are enforceable requirements under this permit. The permittee shall comply with all requirements set forth in this permit and with all the applicable requirements of 6 NYCRR Part 750 incorporated into this permit by reference, including but not limited to the regulations in paragraphs B through I as follows:

B. General Conditions

- | | |
|--|---|
| 1. Duty to comply | 6 NYCRR 750-2.1(e) & 2.4 |
| 2. Duty to reapply | 6 NYCRR 750-1.16(a) |
| 3. Need to halt or reduce activity not a defense | 6 NYCRR 750-2.1(g) |
| 4. Duty to mitigate | 6 NYCRR 750-2.7(f) |
| 5. Permit actions | 6 NYCRR 750-1.1(c), 1.18, 1.20 & 2.1(h) |
| 6. Property rights | 6 NYCRR 750-2.2(b) |
| 7. Duty to provide information | 6 NYCRR 750-2.1(i) |
| 8. Inspection and entry | 6 NYCRR 750-2.1(a) & 2.3 |

C. Operation and Maintenance

- | | |
|-----------------------------------|--------------------------------------|
| 1. Proper Operation & Maintenance | 6 NYCRR 750-2.8 |
| 2. Bypass | 6 NYCRR 750-1.2(a)(17), 2.8(b) & 2.7 |
| 3. Upset | 6 NYCRR 750-1.2(a)(94) & 2.8(c) |

D. Monitoring and Records

- | | |
|---------------------------|--|
| 1. Monitoring and records | 6 NYCRR 750-2.5(a)(2), 2.5(a)(6), 2.5(c)(1), 2.5(c)(2), & 2.5(d) |
| 2. Signatory requirements | 6 NYCRR 750-1.8 & 2.5(b) |

E. Reporting Requirements

- | | |
|---|-----------------------------|
| 1. Reporting requirements | 6 NYCRR 750-2.5, 2.7 & 1.17 |
| 2. Anticipated noncompliance | 6 NYCRR 750-2.7(a) |
| 3. Transfers | 6 NYCRR 750-1.17 |
| 4. Monitoring reports | 6 NYCRR 750-2.5(e) |
| 5. Compliance schedules | 6 NYCRR 750-1.14(d) |
| 6. 24-hour reporting | 6 NYCRR 750-2.7(c) & (d) |
| 7. Other noncompliance | 6 NYCRR 750-2.7(e) |
| 8. Other information | 6 NYCRR 750-2.1(f) |
| 9. Additional conditions applicable to a POTW | 6 NYCRR 750-2.9 |

F. Planned Changes

1. The permittee shall give notice to the Department as soon as possible of planned physical alterations or additions to the permitted facility when:
 - a. The alteration or addition to the permitted facility may meet any of the criteria for determining whether facility is a new source in 40 CFR §122.29(b); or
 - b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject either to effluent limitations in the permit, or to notification requirements under 40 CFR §122.42(a)(1); or
 - c. The alteration or addition results in a significant change in the permittee's sludge use or disposal practices, and such alteration, addition, or change may justify the application of permit conditions that are different from or absent in the existing permit, including notification of additional use or disposal sites not reported during the permit application process or not reported pursuant to an approved land application plan.

In addition to the Department, the permittee shall submit a copy of this notice to the United States Environmental Protection Agency at the following address: U.S. EPA Region 2, Clean Water Regulatory Branch, 290 Broadway, 24th Floor, New York, NY 10007-1866.

GENERAL REQUIREMENTS (continued)

2. Notification Requirement for POTWs

All POTWs shall provide adequate notice to the Department and the USEPA of the following:

- a. Any new introduction of pollutants into the POTW from an indirect discharger which would be subject to section 301 or 306 of CWA if it were directly discharging those pollutants; or
- b. Any substantial change in the volume or character of pollutants being introduced into that POTW by a source introducing pollutants into the POTW at the time of issuance of the permit.
- c. For the purposes of this paragraph, adequate notice shall include information on:
 - i. the quality and quantity of effluent introduced into the POTW, and
 - ii. any anticipated impact of the change on the quantity or quality of effluent to be discharged from the POTW.

POTWs shall submit a copy of this notice to the United States Environmental Protection Agency, at the following address:

U.S. EPA Region 2, Clean Water Regulatory Branch, 290 Broadway, 24th Floor, New York, NY 10007-1866

G. Sludge Management

The permittee shall comply with all applicable requirements of 6 NYCRR Part 360.

H. SPDES Permit Program Fee

The permittee shall pay to the Department an annual SPDES permit program fee within 30 days of the date of the first invoice, unless otherwise directed by the Department, and shall comply with all applicable requirements of ECL 72-0602 and 6 NYCRR Parts 480, 481 and 485. Note that if there is inconsistency between the fees specified in ECL 72-0602 and 6 NYCRR Part 485, the ECL 72-0602 fees govern.

I. Water Treatment Chemicals (WTCs)

New or increased use and discharge of a WTC requires prior Department review and authorization. At a minimum, the permittee must notify the Department in writing of its intent to change WTC use by submitting a completed *WTC Notification Form* for each proposed WTC. The Department will review that submittal and determine if a SPDES permit modification is necessary or whether WTC review and authorization may proceed outside of the formal permit administrative process. The majority of WTC authorizations do not require SPDES permit modification. In any event, use and discharge of a WTC shall not proceed without prior authorization from the Department. Examples of WTCs include biocides, coagulants, conditioners, corrosion inhibitors, defoamers, deposit control agents, flocculants, scale inhibitors, sequestrants, and settling aids.

1. WTC use shall not exceed the rate explicitly authorized by this permit or otherwise authorized in writing by the Department.
2. The permittee shall maintain a logbook of all WTC use, noting for each WTC the date, time, exact location, and amount of each dosage, and, the name of the individual applying or measuring the chemical. The logbook must also document that adequate process controls are in place to ensure that excessive levels of WTCs are not used.
3. The permittee shall submit a completed WTC Annual Report Form each year that they use and discharge WTCs. This form shall be submitted in electronic format and attached to either the December DMR or the annual monitoring report required below. The *WTC Notification Form* and *WTC Annual Report Form* are available from the Department's website at: <http://www.dec.ny.gov/permits/93245.html>

RECORDING, REPORTING AND ADDITIONAL MONITORING REQUIREMENTS

- A. The monitoring information required by this permit shall be retained for a period of at least five years from the date of the sampling for subsequent inspection by the Department or its designated agent.
- B. Discharge Monitoring Reports (DMRs): Completed DMR forms shall be submitted for each one (1) month reporting period in accordance with the DMR Manual available on Department's website.

DMRs must be submitted electronically using the electronic reporting tool (NetDMR) specified by NYSDEC. Instructions on the use of NetDMR can be found at <https://www.dec.ny.gov/chemical/103774.html>. **Hardcopy paper DMRs will only be received at the address listed below, directed to the Bureau of Water Compliance, if a waiver from the electronic submittal requirements has been granted by DEC to the facility.**

Attach the monthly "Wastewater Facility Operation Report" (form 92-15-7) and any required DMR attachments electronically to the DMR or with the hardcopy submittal.

The first monitoring period begins on the effective date of this permit, and, unless otherwise required, the reports are due no later than the 28th day of the month following the end of each monitoring period.

- C. Additional information required to be submitted by this permit shall be summarized and reported to the RWE and Bureau of Water Permits at the following addresses:

Department of Environmental Conservation
Division of Water, Bureau of Water Permits
625 Broadway, Albany, New York 12233-3505 Phone: (518) 402-8111

Department of Environmental Conservation
Regional Water Engineer, Region 5
232 Golf Course Road, Warrensburg, New York, 12885-1172 Phone: (518) 623-1200

- D. Bypass and Sewage Pollutant Right to Know Reporting: In accordance with the Sewage Pollutant Right to Know Act (ECL § 17-0826-a), Publicly Owned Treatment Works (POTWs) are required to notify DEC and Department of Health within two hours of discovery of an untreated or partially treated sewage discharge and to notify the public and adjoining municipalities within four hours of discovery. Information regarding reporting and other requirements of this program may be found on the Department's website. In addition, POTWs are required to provide a five-day incident report and supplemental information to the DEC in accordance with Part 750-2.7(d) by utilizing the Division of Water Report of Noncompliance Event form unless waived by DEC on a case-by-case basis.

- E. Schedule of Additional Submittals:

The permittee shall submit the following information to the Regional Water Engineer and to the Bureau of Water Permits, unless otherwise instructed:

SCHEDULE OF ADDITIONAL SUBMITTALS		
Outfall(s)	Required Action	Due Date
001	<u>WATER TREATMENT CHEMICAL (WTC) ANNUAL REPORT FORM</u> The permittee shall submit a completed WTC Annual Report Form each year that Water Treatment Chemicals are used. The form shall be attached to the December DMR.	Attached to the December DMR
001	<u>ANNUAL FLOW CERTIFICATION</u> The permittee shall submit an Annual Flow Certification form each year in accordance with 750-2.9(C)(4). The form shall be attached to the February DMR or submitted through nForm.	March 28 th Each Year

SCHEDULE OF ADDITIONAL SUBMITTALS		
Outfall(s)	Required Action	Due Date
001	<u>BIENNIAL POLLUTANT SCAN</u> The permittee shall implement an ongoing monitoring program and perform effluent sampling every two years as specified in footnote of the permit limits table.	Retain and submit with next NY-2A Application
001	<u>WHOLE EFFLUENT TOXICITY (WET) TESTING</u> WET testing shall be performed as required in the footnote of the permit limits table. The toxicity test report including all information requested of this permit shall be attached to your WET DMRs and sent to the WET@dec.ny.gov email address.	Within 60 days following the end of each monitoring period
N/A	<u>STORMWATER NO EXPOSURE CERTIFICATION</u> Permittee must recertify every five years a condition of no exposure to stormwater in order to continue to qualify for the no exposure exclusion. The No Exposure Certification Form can be found on the NYSDEC website.	1/6/2027, and every 5 years thereafter
001	<u>COMBINED SEWER OVERFLOW (CSO) ANNUAL REPORT</u> The permittee shall submit a Combined Sewer Overflows (CSO) Annual Report, which summarizes the implementation of BMPs and the Long-Term Control Plan (if applicable). The CSO Annual Report is available from DEC on-line at https://www.dec.ny.gov/docs/water_pdf/csobmp.pdf .	January 31 st Each Year
001	<u>POST-CONSTRUCTION COMPLIANCE MONITORING PLAN (PCCMP)</u> The permittee shall submit an approvable PCCMP that (a) is adequate to ascertain the effectiveness of the CSO controls and (b) can be used to verify attainment of water quality standards. The PCCMP must include the proposed sampling locations, sampling schedule, details on how effectiveness of the CSO controls will be assessed, and a Quality Assurance Project Plan (QAPP) that details the monitoring protocols to be followed, where appropriate, including CSO and ambient monitoring	EDPM + 12 Months
001	<u>POST-CONSTRUCTION COMPLIANCE MONITORING (PCCM) PROGRAM REPORT</u> The permittee shall submit a PCCM Program Report as detailed in the SPECIAL CONDITIONS: CSO CONTROL POLICY section of this permit. The PCCM Program Reports shall be submitted by March 31 st in years ending in 2 and 7.	After PCCMP Approval, March 31 st in years ending in 2 and 7
001	<u>MERCURY MINIMIZATION PLAN</u> The permittee must complete and maintain onsite an annual mercury minimization status report in accordance with the requirements of this permit.	Maintained Onsite February 1 st annually
001	<u>PRETREATMENT PROGRAM</u> Submit a report that briefly describes the permittee's program activities over the previous year. The report shall follow the guidelines contained in this permit and be submitted to the Regional Water Engineer and the Bureau of Water permits as well as the USEPA Region II office.	November 28 th Each Year

Unless noted otherwise, the above actions are one-time requirements. The permittee shall submit the results of the above actions to the satisfaction of the Department. When this permit is administratively renewed by NYSDEC letter entitled "SPDES NOTICE/RENEWAL APPLICATION/PERMIT", the permittee is not required to repeat the above submittal(s), unless noted otherwise. The above due dates are independent from the effective date of the permit stated in the letter of "SPDES NOTICE/RENEWAL APPLICATION/PERMIT."

- F. Monitoring and analysis shall be conducted using sufficiently sensitive test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.
- G. More frequent monitoring of the discharge(s), monitoring point(s), or waters of the State than required by the permit, where analysis is performed by a certified laboratory or where such analysis is not required to be performed by a certified laboratory, shall be included in the calculations and recording of the data on the corresponding DMRs.
- H. Calculations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified in this permit.
- I. Unless otherwise specified, all information recorded on the DMRs shall be based upon measurements and sampling carried out during the most recently completed reporting period.
- J. Any laboratory test or sample analysis required by this permit for which the State Commissioner of Health issues certificates of approval pursuant to section 502 of the Public Health Law shall be conducted by a laboratory which has been issued a certificate of approval. Inquiries regarding laboratory certification should be directed to the New York State Department of Health, Environmental Laboratory Accreditation Program.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits

625 Broadway, 4th Floor, Albany, New York 12233-1750

P: (518) 402-9167 | F: (518) 402-9168 | deppermitting@dec.ny.gov

www.dec.ny.gov

August 25, 2021

Daniel Hall
Mayor
City of Glens Falls
2 Shermantown Rd
Glens Falls, NY 12801

Re: Glens Falls STP
SPDES Renewal Permit Application
DEC ID# 5-5205-00015/00002, SPDES# NY0029050

Dear Mayor Hall,

On April 26, 2021 the Department received an application to renew the above-referenced State Pollutant Discharge Elimination System (SPDES) permit. The application was timely and sufficient. Therefore, the current permit will remain in effect in accordance with the State Administrative Procedures Act.

The Department will, at some point in the future, undertake a full technical review of the SPDES discharge to determine the need to incorporate new permit requirements under the Federal Clean Water Act. The timing of the Department's full technical review will be determined by the ranking of the discharge under the Environmental Benefit Permit Strategy (EBPS). The EBPS utilizes criteria to score and rank a wastewater discharge, giving priority for technical review to those discharges with the greatest potential to cause environmental harm. To initiate a full technical review, the Department will send you a "Request for Information" seeking data to be used in the evaluation of the discharge and in the establishment of provisions proposed for inclusion in the permit.

No further action is required on your part at this time. In accordance with the Uniform Procedures Act, the Department has suspended its review of your application and will resume review upon receipt of your response to the "Request for Information".

If you have any technical questions, please contact Carol Lamb-Lafay, Bureau Director, at carol.lamb-lafay@dec.ny.gov. For assistance with permitting questions, please contact me at michael.schaefer@dec.ny.gov.

Sincerely,

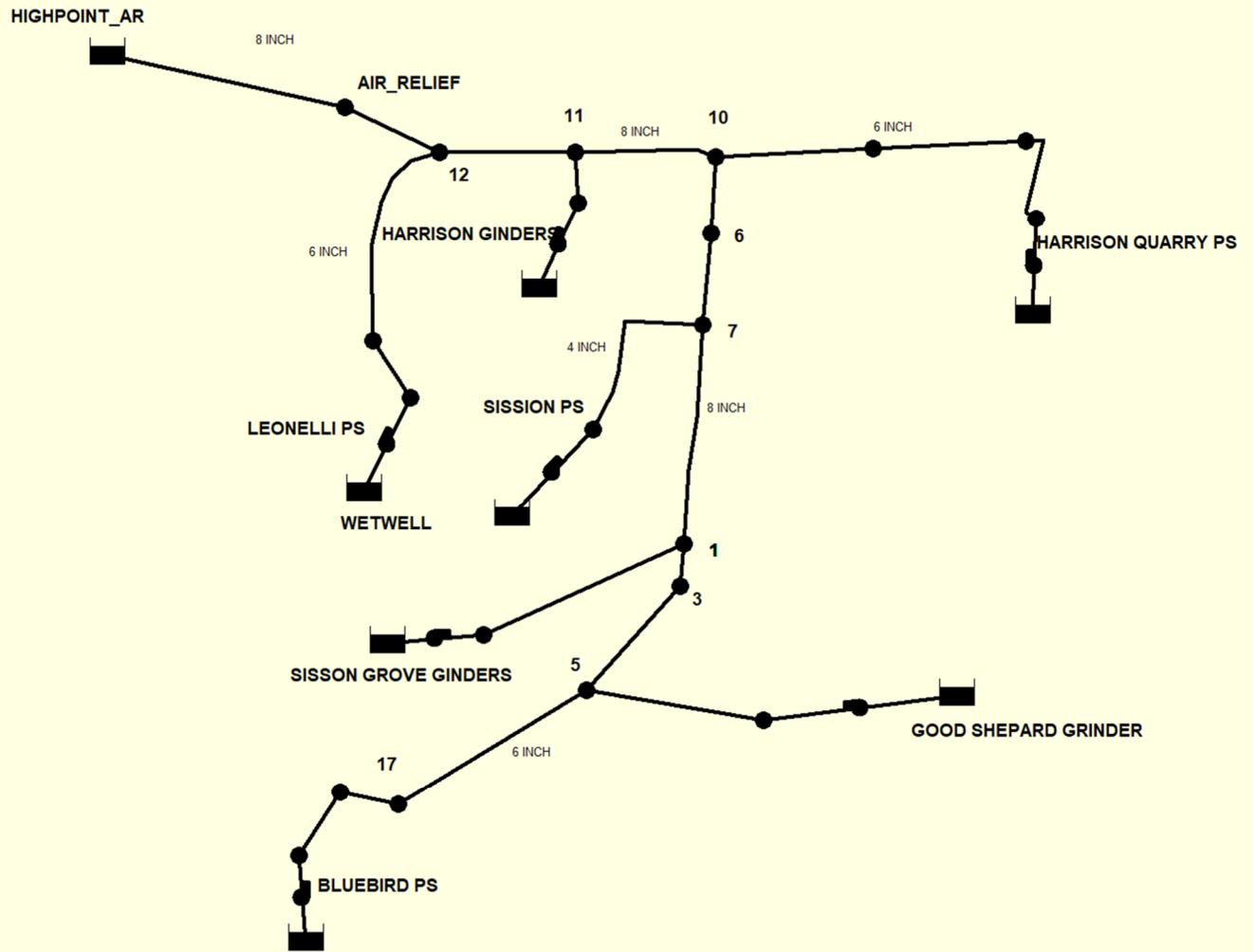


Michael Schaefer
Environmental Analyst

ec: D. Thorsland, Regional Water Engineer
E. Burns, Regional Permit Administrator
C. Lamb-Lafay, CO, BWP Bureau Director
C. Jamison, CO, BWP
BWC-SCIS Section Chief

APPENDIX F:

**TOWN OF MOREAU PRESSURE SYSTEM
TO GLEN FALLS WWTP
EPANET 2.2 MODEL**



MOREAU TOWN SEWER MODEL TO GLENS FALLS

 * E P A N E T *
 * Hydraulic and Water Quality *
 * Analysis for Pipe Networks *
 * Version 2.2 *

Input File: MOREAU TOWN SEWER MODEL TO GLENS FALLS.net

Link - Node Table:

Link ID	Start Node	End Node	Length ft	Diameter in
4	SISSON_PS	7	1100	4
5	1	7	1150	8.5
6	7	6	530	8.5
7	6	10	460	8.5
8	HARRISON_QUARRY_PSFM_MH_2	450	5.35	
9	HG-PS	11	300	2
10	10	11	785	8.5
11	11	12	770	8.5
12	12	AIR_RELIEF	600	8.5
13	15	12	750	5.35
17	LEONELLI_PS	15	600	5.99
14	BLUEBIRD_PS	16	150	5.99
16	FM_MH_2	FM_MH_1	950	5.35
20	FM_MH_1	10	850	5.35
25	16	17	300	6
26	3	1	200	8.5
28	AIR_RELIEF	HP2	1550	8.5
15	SG-PS	1	550	2.83
3	2	5	450	1.358
18	5	3	1770	5.99
19	17	5	450	5.99
LEO-PS	LEO-WW	LEONELLI_PS	#N/A	#N/A Pump
BB-PUMP	BB-WW	BLUEBIRD_PS	#N/A	#N/A Pump
HQ-PUMP	HQ-WW	HARRISON_QUARRY_PS	#N/A	#N/A Pump
SISSON-PUMP	SISSON-WW	SISSON_PS	#N/A	#N/A Pump
SG-PUMPS	SG-WW	SG-PS	#N/A	#N/A Pump
HG-PUMPS	HG-WW	HG-PS	#N/A	#N/A Pump
GS	4	2	#N/A	#N/A Pump

Node Results:

Node ID	Demand GPM	Head ft	Pressure psi	Quality
BLUEBIRD_PS	0	365.8	23.83	0
3	0	350.68	18.06	0
6	0	347.15	13.93	0
7	0	348.36	15.75	0
SISSON_PS	0	349.97	20.57	0
HARRISON_QUARRY_PS	0	359.8	30.68	0
10	0	346.11	15.65	0
11	0	342.09	10.22	0
12	0	337.76	8.13	0
AIR_RELIEF	0	332.66	5.48	0
HG-PS	0	348.51	15.82	0
15	0	340.06	8.26	0
LEONELLI_PS	0	341.32	14.44	0
17	0	363.43	23.59	0
FM_MH_2	0	357.07	29.28	0
FM_MH_1	0	351.28	25.25	0
1	0	350.43	24.02	0
16	0	365.01	22.97	0
SG-PS	0	357.76	21.13	0
2	0	377.04	29.05	0
5	0	361.05	22.55	0
LEO-WW	-117.11	308	0	0 Reservoir
HP2	642.54	320	0	0 Reservoir
BB-WW	-220.91	310.8	0	0 Reservoir
HQ-WW	-177	289	0	0 Reservoir
SISSON-WW	-38.19	302.5	0	0 Reservoir
SG-WW	-50.62	309	0	0 Reservoir
HG-WW	-26.24	312	0	0 Reservoir
4	-12.46	310	0	0 Reservoir

Link Results:

Link ID	Flow GPM	VelocityUnit fps	Headloss ft/Kft	Status
4	38.19	0.98	1.47	Open
5	284	1.61	1.8	Open
6	322.19	1.82	2.27	Open
7	322.19	1.82	2.27	Open
8	177	2.53	6.09	Open
9	26.24	2.68	21.4	Open
10	499.19	2.82	5.12	Open
11	525.43	2.97	5.63	Open
12	642.54	3.63	8.51	Open
13	117.11	1.67	3.06	Open
17	117.11	1.33	2.09	Open
14	220.91	2.52	5.29	Open
16	177	2.53	6.09	Open
20	177	2.53	6.09	Open
25	220.91	2.51	5.25	Open
26	233.38	1.32	1.25	Open
28	642.54	3.63	8.17	Open
15	50.62	2.58	13.33	Open
3	12.46	2.76	35.54	Open
18	233.38	2.66	5.86	Open
19	220.91	2.52	5.29	Open
LEO-PS	117.11	0	-33.32	Open Pump
BB-PUMP	220.91	0	-55	Open Pump
HQ-PUMP	177	0	-70.8	Open Pump
SISSON-PUMP	38.19	0	-47.47	Open Pump
SG-PUMPS	50.62	0	-48.76	Open Pump
HG-PUMPS	26.24	0	-36.51	Open Pump
GS	12.46	0	-67.04	Open Pump

EXHIBIT "B"

SITE LOCATION MAP



DISTRICT EXTENSION BOUNDARY



NOT TO SCALE



Town of Moreau Sewer District No. 1
 Sewer Service Area Extension – Site Location

The Environmental Design Partnership, LLP
 © 2019

Town of Moreau

Saratoga County, NY

Exhibit

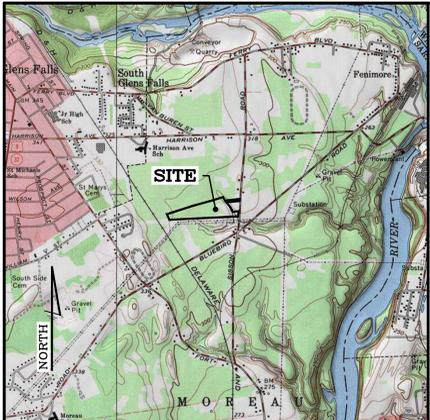
Source: Google Earth 2019

REV: October 24, 2025

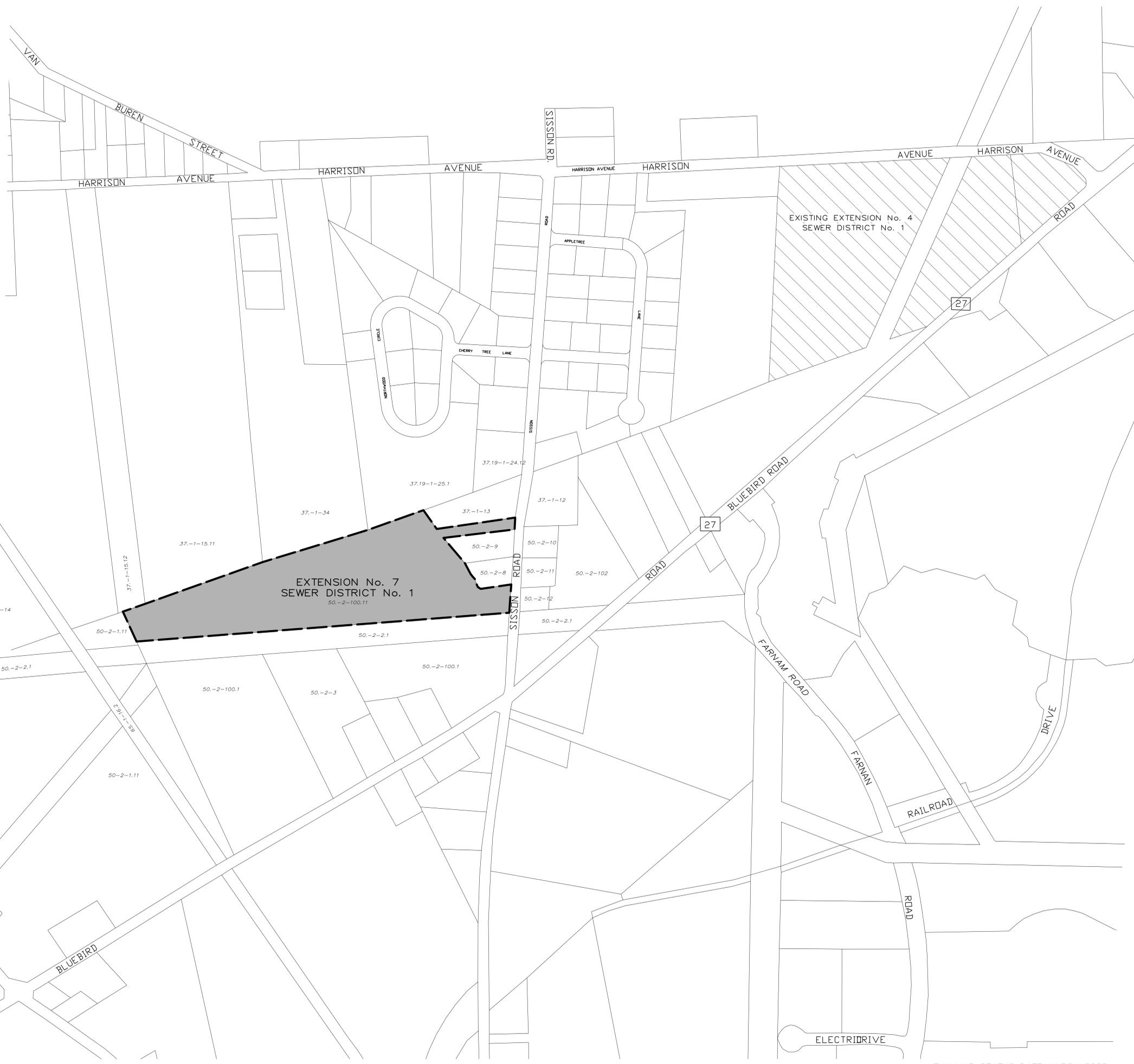
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EXHIBIT "C"

SERVICE TERRITORY EXPANSION MAP



SITE LOCATION MAP
SCALE: 1" = 2,000'



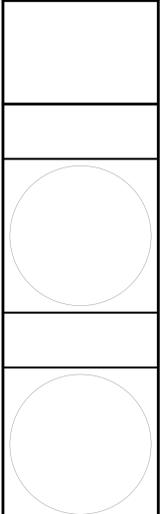
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UNAUTHORIZED ALTERATION OR ADDITION TO THIS MAP IS A VIOLATION OF SECTION 2025 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW.
COPIES FROM THE ORIGINAL OF THIS SURVEY MAP NOT MARKED WITH THE LAND SURVEYOR'S EMBOSSED SEAL SHALL NOT BE CONSIDERED A VALID TRUE COPY.
□ 0000 JOB

TAX MAP STATUS DATE MARCH 2008



**EXTENSION No. 7
TOWN OF MOREAU SEWER DISTRICT No. 1**
TOWN OF MOREAU
SARATOGA COUNTY, NEW YORK

DESIGNED BY	TSI
CHECKED BY	
PROJECT NUMBER	
DATE	
REVISION	DATE
1	10-24-21
2	10-24-21



SCALE: 1" = 200'

SHEET TITLE:
EXHIBIT E

SHEET:
1 of 1

REV: OCTOBER 24, 2025

C:\WORKFILES\Governmental Design Partnerships\SharePoint_Site - Documents\0_A-2\SARATOGA\MOREAU\TOWNSEWER RELATED\2025 EXT 7 SEWER EXTENSION\06-Engineering\Exhibit E.DISTRICT EXTENSION_7_SCHMEMORANDUM.dwg Oct 24, 2025 09:38:23AM

EXHIBIT “D”

SERVICE TERRITORY EXPANSION DESCRIPTION



**DESCRIPTION OF THE AREA OF THE
TOWN OF MOREAU SEWER DISTRICT NO. 1
EXTENTION NO. 7
MOREAU, NY**

SEWER SERVICE DISTRICT OVER ALL THOSE CERTAIN TRACTS, PIECES OR PARCELS OF LAND SITUATE in the Town of Moreau, County of Saratoga, State of New York, lying along the westerly line of Sisson Road and being further bounded and described as follows:

Parcel "A" – Sisson Grove Sewer District Extension

Beginning at the point of intersection of the westerly line of Sisson Road and the common division line of SBL#50-2-2.1 to the south and **SBL#50-2-100.11** to the north;

Thence from said *Point of Beginning* along said common division line, in a general westerly direction, 1950± feet to a point of intersection of said common division line and the easterly line of SBL#50-2-1.11;

Thence along the common division line of SBL#50-2-1.11 to the west and **SBL#50-2-100.11** to the east in a general northerly direction, 180± feet to a point of intersection of said common division line and the southerly line of SBL#37-1-15.12;

Thence along the common division line of SBL#37-1-15.12, SBL#37-1-15.11, SBL#37-1-34, and SBL#37.19-1-25.1 all to the north and **SBL#50-2-100.11** to the south in a general easterly direction, 1625± feet to a point of intersection of said common division line and the westerly line of SBL#37-1-13;

Thence along the common division line of SBL#37-1-13 to the east and north and **SBL#50-2-100.11** to the west and south the following two (2) courses and distances:

- 1) In a general southerly direction, 126± feet to a point;
- 2) In a general easterly direction, 405± feet to a point in the westerly line of Sisson Road;

Thence along the westerly line of Sisson Road in a general southerly direction, 50± feet to a point in the common division line of line of SBL#50-2-9 to the south and **SBL#50-2-100.11** to the north;

Thence along said common division line in a general westerly direction, 358± feet to a point being the northeasterly corner of SBL#50-2-9;

Thence along the common division line of SBL#50-2-9 and SBL#50-2-8 to the east and **SBL#50-2-100.11** to the west in a general southerly direction, 320± feet to a point being the southwesterly corner of SBL#50-2-8;

Thence along the common division line of SBL#50-2-8 to the north and **SBL#50-2-100.11** to the south in a general easterly direction, 173± to a point of intersection of the southeasterly corner of SBL#50-2-8 and the westerly line of Sisson Road;

Thence along the westerly line of Sisson Road in a general southerly direction, 147± feet to the point or place of beginning and containing 17.39± acres of land.

The above described *Sewer Service District* is intending to include **SBL#50-2-100.11** as above described as shown on the Saratoga County Real Property Tax Map in the Town of Moreau, NY, dated March 1, 2025 and is not intended for the conveyance of Real Property.

EXHIBIT “E”

PROJECT APPROVALS

- **Letter of “No Impact” from NYS OPRHP dated June 17, 2019**
- **Notice of Decision for Site Plan Review from Town of Moreau Planning Board dated June 17, 2019**
- **Meeting Minutes from June 17, 2019 including SEQRA Determination and Final Site Plan Approval**
- **Water Quality Certification from NYSDEC dated November 8, 2019**
- **Letter Authorizing Wetland Disturbance from ACOE dated November 27, 2019**
- **Nationwide Permit Compliance Certification and Report Form dated November 28, 2019**
- **MS4 SWPPP Acceptance Form dated July 20, 2020**
- **NYSDEC Acknowledgement of NOI dated July 20, 2020**
- **Letter of Approval for Connection to Moreau water supply by NYSDOH dated August 12, 2021.**
- **Agreement to Supply Sewer Service to Property Outside of Sewer District, dated September 16, 2021.**
- **City of Glens Falls Capacity Review Letter, dated December 15, 2025**
- **Town of Moreau Approval of Sewer District Extension (Pending)**



Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

June 17, 2019

Mr. Paul Olund
Environmental Design Partnership
900 Route 146
Clifton Park, NY 12065

Re: DEC
Grove on Sisson Road
Town of Moreau, Saratoga County, NY
18PR07377

Dear Mr. Olund:

Thank you for requesting the comments of the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted project information in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources.

We are in receipt of the Phase I archaeology survey report (*Phase 1 Archaeological Survey, Grove at Sisson Road, Town of Moreau, Saratoga County, New York*) by Curtin Archaeological Consulting, Inc. and dated May 2019.

The survey did not identify any archaeological resources within the project's Area of Potential Effects (APE), and the OPRHP concurs with the report recommendation that no additional archaeological work is necessary. Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

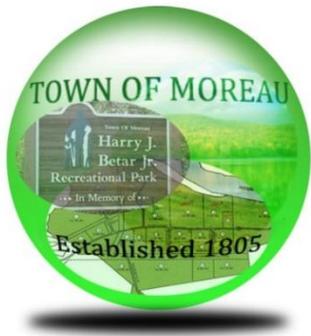
If you have any questions, please do not hesitate to contact me at 518.268.2185 or andrew.farry@parks.ny.gov.

Sincerely,

Andrew Farry, Ph.D.
Scientist/Archaeology

Division for Historic Preservation

P.O. Box 189, Waterford, New York 12188-0189 • (518) 237-8643 • parks.ny.gov



Town of Moreau
Building and Zoning Dept.
Town Office Complex
351 Reynolds Road
Moreau, NY 12828-9261
Phone: (518) 792-4762 ~ Fax: (518)792-4615

Matt Dreimiller
Building Inspector

Jim Martin
Zoning Administrator

Notice of Decision

Please be advised that your application has been approved/approved with conditions/disapproved. This Notice is to formally inform you of the decision reached and any conditions that may have been made in association with the decision.

Application Type: Site Plan Review

Board Name: Town of Moreau Planning Board

Application Name: Schermerhorn Real Estate Holdings for the Grove at Sisson Road

Address: 60-66 Sisson Road

Section-Block-Lot Number: 25 - 2 - 100.11 Meeting Date: 6/17/2019

MOTION OF DECISION:

X **Approved with Conditions** as follows:

1. The applicant receive an approving letter from the Town Engineer regarding the remaining comments on the SWPPP.
2. The comments from the Town Water Superintendent concerning use Mueller fittings, hydrants will be red, all lines will be copper, any line over 75 feet in length must be 1 inch. Connecting lines to houses on the opposite side must be one inch copper.

James M. Martin, AICP

Zoning Administrator for the Town of Moreau

Email: zoningadministrator@townofmoreau.org

Telephone (518) 792-4762 ext. 5 (Building Dept.)

A meeting of the Town of Moreau Planning Board was held on June 17, 2019 at 7:00 p.m. in the Town of Moreau Office Building, 351 Reynolds Road, Moreau, New York.

John Arnold	Planning Board Member
Erik Bergman	Planning Board Member
Peter Jensen	Planning Board Member
Ann Purdue, Esq.	Alternate Planning Board Member
Reed Antis	Planning Board Member
Mike Shaver	Planning Board Member
Jerry Bouchard	Planning Board Member

Also present: Jim Martin, Zoning Administrator; Tricia Andrews, Recording Secretary

Not present: Ron Zimmerman, Planning Board Chair

The meeting was called to order at 7:00 pm by John Arnold, Acting Chair. The Board reviewed the minutes of the May 20, 2019 meeting. No additions or corrections were requested. Motion was made by Ms. Purdue to accept the minutes as written and Mr. Bergman seconded. No discussion. All in favor, Mr. Shaver, Antis and Bouchard, abstaining motion carries 4-0-3.

Schermerhorn Residential Holdings
60-66 Sisson Road
The Grove on Sisson Road
Site Plan Review

Travis Mitchell, EDP, presenting. The Board is familiar with the project.

Since last month there were comments about the location of the entrance, so he presented photos of where that would be in relationship to the home there. Photos were presented of typical units from Harrison Quarry. Notes are on the plan in the package about the landscaping evergreens that were committed to along the entrance road, and across the street from the southern entrance for screening. Comments from the Fire Department were received and addressed and they have an email from them stating it was addressed acceptably. Letter from Laberge about stormwater. That has gone back and forth and some notes were crossed so there are a couple outstanding issues on that letter. They have drilled many test pits.

Mr. Martin asked whether they had heard from the school district, and **stated that Jesse Fish, Water Superintendent indicating that they will strictly only use Mueller fittings, hydrants will be red, everything will be copper, anything over .75 must be 1 inch.** Houses on the opposite side must be one inch copper.

A meeting of the Town of Moreau Planning Board was held on June 17, 2019 at 7:00 p.m. in the Town of Moreau Office Building, 351 Reynolds Road, Moreau, New York.

Mr. Mitchell said they had given the school district drawing is in the beginning of May, and not heard anything but they don't usually, the school seems to take it as information only.

Discussion with the Town Board about a sewer and water extension ended with the applicant being instructed to get this Site Plan approved before they discussed that.

Mr. Antis asked why they had evergreen in the north and deciduous evergreen mix on the south, and Mr. Mitchell thought it was the property owner's preference.

Mr. Arnold asked and the property across the street has an existing house on it.

Mr. Arnold asked and Mr. Schermerhorn isn't opposed to the addition of bus shed, but the school district hasn't asked for one or commented. They put wings on the road which will give kids a place to walk, but there are no sidewalks.

The Board reviewed SEQR. No questions on Part I. Part II, no or small impact noted.

Motion to make a negative declaration regarding SEQR was made by Mr. Bergman and seconded by Mr. Antis. Mr. Bouchard, Yes; Mr. Antis, Yes; Ms. Purdue, Yes; Mr. Bergman, Yes; Mr. Shaver, Yes; Mr. Jensen, Yes, Mr. Arnold, Yes.

Mr. Arnold asked whether the idea of an interconnect had been looked at and Mr. Mitchell replied that the wetlands prevent them from doing that.

A no impact letter was received from the County which also encouraged them to look at the interconnect.

Motion to grant approval Mr. Bergman, with final resulted as follows: Mr. Bouchard, Yes; Mr. Antis, Yes; Ms. Purdue, Yes; Mr. Bergman, Yes; Mr. Shaver, Yes; Mr. Jensen, Yes, Mr. Arnold, Yes.

Motion for the chair and one other member sign the mylars when they are ready was made by Mr. Bergman and seconded by Mr. Shaver. All in favor, motion carries.

Gary Stone
1349 Route 9
Site Plan Review

Purchased this facility about a year ago and is using it for truck storage. The Planning Board should have maps. Mr. Martin pointed out that this is here due to enforcement action and Mr. Stone has been very cooperative and responsive since he was contacted about it.

This is a change in use as it was Cut Rite Counters and now it is a truck depot with storage. They wanted to keep the trucks inside for security reasons.

Mr. Arnold asked whether the Change in Use requires a public hearing. Mr. Martin stated that on Route 9 for a permanent change, there is usually Site Plan review with a public hearing.

Mr. Shaver asked what is in the trucks and Mr. Stone says it is banking paperwork and if the truck is full, they have to keep it. Mr. Shaver asked whether a truck full of paper ought to be looked at by Fire.

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Environmental Permits, Region 5
232 Golf Course Road, Warrensburg, NY 12885
P: (518) 623-1282 | F: (518) 623-3603
www.dec.ny.gov

November 8, 2019

Schermerhorn Real Estate Holdings
536 Bay Road, Suite #2
Queensbury, NY 12804

**Re: SECTION 401 WATER QUALITY CERTIFICATION
DEC Application # 5-4144-00180/00001
The Grove on Sisson Road Project
Moreau (T), Saratoga (Co.)**

Dear Mr. Schermerhorn:

The New York State Department of Environmental Conservation ("DEC") has reviewed the Joint Application Form and accompanying information that you submitted for the "The Grove on Sisson Road" project in the Town of Moreau, Saratoga County. Based on our review, we have determined that your project does not require an individual Section 401 Water Quality Certification ("WQC") from DEC. This determination is based on the following:

- Your project may be subject to the U.S. Army Corps of Engineers ("USACE") Nationwide Permit ("NWP") # 29, for Residential Developments.
- The DEC has granted blanket WQC for NWP # 29 provided the project meets all of the required General Conditions and Special Conditions outlined in List 3 of the Department's March 7, 2017 letter to Stephan A. Ryba and Diane Kozlowski of the USACE.
- Based on our review, your project meets all of the required general conditions and special conditions, and therefore, can be authorized under the DEC Section 401 Blanket WQC.

This notification does not eliminate your need to obtain approvals that may be required by any other local, state, or federal agencies.

If you have any questions, please feel free to contact me at (518) 623-1281 or benjamin.shubert@dec.ny.gov.

Sincerely,



Ben Shubert
Environmental Analyst

ec: Christine Delorier - USACE
Melanie Musarra, EDP LLP



Department of
Environmental
Conservation



DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers, ATTN: CENAN-OP-RU
Upstate Regulatory Field Office
1 Buffington St., Building 10, 3rd Fl. North
Watervliet, New York 12189-4000

NOV 27 2019

Upstate New York Section

SUBJECT: Permit Application No. NAN-2019-00838-UDE
by Schermerhorn Real Estate Holdings, LLC
Town of Moreau, Saratoga County, New York

Richard Schermerhorn
Schermerhorn Real Estate Holdings, LLC
536 Bay Road, Suite 2
Queensbury, New York 12804

Dear Mr. Schermerhorn:

This office has reviewed your Joint Application Form dated September 4, 2019, its attachments, and the additional information received on October 4, 2019, including the drawings prepared by the Environmental Design Partnership, LLP, entitled "Site Improvement Plans for The Grove on Sisson Road, Applicant: Schermerhorn RH", Sheets WD1, WD2, and 10 of 17, which are all dated April 1, 2019, and last revised on August 20, 2019. The submitted information describes a proposal that would consist of the following:

The discharge of fill material into waters of the United States to facilitate the construction of a residential development consisting of 25, four-unit town home style apartment buildings and attendant features. Fill material would be discharged into 0.0935 acre of wetlands for the construction of roads within the development. Bottomless culverts would be installed to span streams at two crossings. Temporary impacts to 132 linear feet of stream channel would occur for dewatering necessary to install the culverts. All tree cutting necessary to construct the authorized work shall only occur during the period from November 1 through March 31 in any year this verification is in effect. Forested lands to remain shall also be protected with fencing during construction, and "no trespassing" signs shall be installed on the property along its southern boundary.

Based upon the information provided, it appears that your proposed work may be authorized under Department of the Army nationwide general permit number: 29. The nationwide permits are prescribed as a Reissuance of Nationwide Permits in the Federal Register dated January 6, 2017 (82 FR 1860).

The work may be performed without further authorization from this office provided the activity complies with the terms and conditions of the Nationwide Permits (NWP) and the permit conditions listed in Section B, No. 29, Section C, any applicable New York District regional conditions, and any applicable regional conditions added by

PLEASE USE THE ABOVE 18-CHARACTER FILE NUMBER ON ALL CORRESPONDENCE WITH THIS OFFICE

the State of New York. Please note that NWP General Condition No. 12 requires the installation and maintenance of proper soil erosion and sediment controls during construction.

The 2017 Nationwide Permits, including their final regional conditions, water quality certifications, and coastal zone concurrence statements are available at:

<http://www.nan.usace.army.mil/Missions/Regulatory/Nationwide-Permits/>

Please review and familiarize yourself with all relevant terms and conditions of the nationwide permit prior to proceeding with your project, and subsequently ensure you adhere to all conditions through the duration of the project. If you do not have internet access and require a specific paper copy, please contact the undersigned to request one be mailed to you. Please be sure to have your permit application number readily available when you call.

This verification is valid until March 18, 2022, unless the nationwide permit is modified, reissued, or revoked. This verification will remain valid until March 18, 2022, if the activity complies with the terms of any subsequent modifications of the nationwide permit authorization. If the nationwide permits are suspended, revoked, or modified in such a way that the activity would no longer comply with the terms and conditions of a nationwide permit, and the proposed activity has commenced, or is under contract to commence, the permittee shall have 12 months from the date of such action to complete the activity.

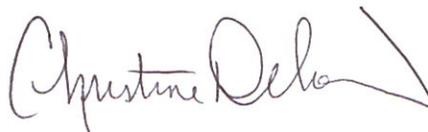
Please note that this determination does not eliminate the need to obtain any other Federal, State or local authorizations required by law for the above described work, including any required permit from the NYSDEC.

In order for us to better serve you, please complete our Customer Service Survey located at:

<http://www.nan.usace.army.mil/Missions/Regulatory/CustomerSurvey.aspx>

Any inquiries can be directed to the undersigned at (518) 266-6354.

Sincerely,



Christine Delorier
Senior Project Manager
Upstate New York Section

Enclosure

Cf: NYSDEC Region 5, Warrensburg
Town of Moreau
M. Musarra – EDP, LLP



DEPARTMENT OF THE ARMY
 U.S. Army Corps of Engineers, ATTN: CENAN-OP-RU
 Upstate Regulatory Field Office
 1 Buffington St., Building 10, 3rd Fl. North
 Watervliet, New York 12189-4000

CENAN-OP-RU

NATIONWIDE PERMIT COMPLIANCE CERTIFICATION AND REPORT FORM

Permittee: Schermerhorn Real Estate Holdings, LLC Permit No. NAN-2019-00838-UDE

Date Permit Issued: NOV 27 2019

Location: Town of Moreau, Saratoga County, New York

Within 30 days of the completion of the activity authorized by this permit and any mitigation required by the permit, sign this certification and return it to the address at the bottom of this form.

Please note that your permitted activity is subject to a compliance inspection by a U.S. Army Corps of Engineers representative. If you fail to comply with this permit you are subject to permit suspension, modification or revocation.

I hereby certify that the work authorized by the above referenced permit has been completed in accordance with the terms and conditions of said permit, and required mitigation was completed in accordance with the permit conditions.

 Signature of Permittee

 Date

Printed Name: _____

Fold this form into thirds, with the bottom third facing outward. Tape it together and mail to the address below
 or **EMAIL TO: cenan.rfo@usace.army.mil**

Place Stamp
 Here

DEPARTMENT OF THE ARMY
 U.S. Army Corps of Engineers
 ATTN: CENAN-OP-RU
 Upstate Regulatory Field Office
 1 Buffington St., Bldg. 10, 3rd Fl. North
 Watervliet, New York 12189-4000



Department of
Environmental
Conservation

NYS Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

**MS4 Stormwater Pollution Prevention Plan (SWPPP) Acceptance
Form**

for

Construction Activities Seeking Authorization Under SPDES General Permit

*(NOTE: Attach Completed Form to Notice Of Intent and Submit to Address Above)

I. Project Owner/Operator Information

1. Owner/Operator Name: Schermerhorn Real Estate Holdings, LLC
2. Contact Person: Richard Schermerhorn
3. Street Address: 536 Bay Road, Suite 2
4. City/State/Zip: Queensbury, NY 12804

II. Project Site Information

5. Project/Site Name: The Grove on Sisson Road
6. Street Address: 60-66 Sisson Road
7. City/State/Zip: Moreau, NY, 12803

III. Stormwater Pollution Prevention Plan (SWPPP) Review and Acceptance Information

8. SWPPP Reviewed by: Phil Koziol
9. Title/Position: Town Designated Engineer
10. Date Final SWPPP Reviewed and Accepted: July 16, 2019

IV. Regulated MS4 Information

11. Name of MS4: Town of Moreau
12. MS4 SPDES Permit Identification Number: NYR20A 158
13. Contact Person: Maureen Leerkes
14. Street Address: 351 Reynolds Road
15. City/State/Zip: Moreau, NY
16. Telephone Number: 518 792-5675

MS4 SWPPP Acceptance Form - continued

V. Certification Statement - MS4 Official (principal executive officer or ranking elected official) or Duly Authorized Representative

I hereby certify that the final Stormwater Pollution Prevention Plan (SWPPP) for the construction project identified in question 5 has been reviewed and meets the substantive requirements in the SPDES General Permit For Stormwater Discharges from Municipal Separate Storm Sewer Systems (MS4s).
Note: The MS4, through the acceptance of the SWPPP, assumes no responsibility for the accuracy and adequacy of the design included in the SWPPP. In addition, review and acceptance of the SWPPP by the MS4 does not relieve the owner/operator or their SWPPP preparer of responsibility or liability for errors or omissions in the plan.

Printed Name: *Maurice J. Leekes*

Title/Position: *Stormwater Management Officer*

Signature: *Maurice J. Leekes*

Date: *7-20-2020*

VI. Additional Information

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Division of Water, Bureau of Water Permits

625 Broadway, Albany, New York 12233-3505

P: (518) 402-8111 F: (518) 402-9029

www.dec.ny.gov

7/30/2020

Schermerhorn Real Estate Holdings
Richard Schermerhorn
536 Bay Road, Suite 2
Queensbury, New York 12804

**RE: ACKNOWLEDGMENT of NOTICE OF INTENT for
Coverage Under SPDES General Permit for
Storm Water Discharges from CONSTRUCTION
ACTIVITY – General Permit No. GP-0-20-001**

Dear Prospective Permittee:

This is to acknowledge that the New York State Department of Environmental Conservation (Department) has received a complete Notice of Intent (NOI) for coverage under General Permit No. GP-0-20-001 for the construction activities located at:

**The Grove
60-66 Sisson Road
Moreau, NY 12803**

County: **SARATOGA**

Pursuant to Environmental Conservation Law (ECL) Article 17, Titles 7 and 8, and ECL Article 70, discharges in accordance with GP-0-20-001 from the above construction site will be authorized **5** business days from **7/21/2020**, which is the date we received your final NOI, unless notified differently by the Department.

The permit identification number for this site is: **NYR11G929**. Be sure to include this permit identification number on any forms or correspondence you send us. When coverage under the permit is no longer needed, you must submit a Notice of Termination to the Department.

This authorization is conditioned upon the following:

1. The information submitted in the NOI received by the Department on **7/21/2020** is accurate and complete.
2. You have developed a Stormwater Pollution Prevention Plan (SWPPP) that complies with GP-0-20-001 which must be implemented as the first element of construction at the above-noted construction site.
3. Activities related to the above construction site comply with all other requirements of GP-0-20-001.

4. Payment of the annual \$110 regulatory fee, which is billed separately by the Department in the late fall. The regulatory fee covers a period of one calendar year. In addition, since September 1, 2004, construction stormwater permittees have been assessed an initial authorization fee which is now \$110 per acre of land disturbed and \$675 per acre of future impervious area. The initial authorization fee covers the duration of the authorized disturbance.

5. Your SWPPP has been reviewed by the regulated, traditional land use control MS4 where your project is located and has been determined to be in substantive conformance with the requirements in the SPDES General Permit for Stormwater Discharges from MS4s.

6. When applicable, project review pursuant to the State Environmental Quality Review Act (SEQRA) has been satisfied.

7. You have obtained all necessary Department permits subject to the Uniform Procedures Act (UPA). You should check with your Regional Permit Administrator for further information.

***Note: Construction activities cannot commence until project review pursuant to SEQRA has been satisfied, when SEQRA is applicable; and, where required, all necessary Department permits subject to the UPA have been obtained.**

Please be advised that the Department may request a copy of your SWPPP for review.

Should you have any questions regarding any aspect of the requirements specified in GP-0-20-001, please contact Dave Gasper at (518) 402-8114.

Sincerely,



David Gasper
Environmental Engineer

cc: RWE - 5
SWPPP Preparer
The Environmental Design Partnership
Alessandrini, , Stephanie
900 Route 146
Clifton Park, NY 12065



February 27, 2025

Schermerhorn Real Estate Holdings
Richard Schermerhorn
536 Bay Road, Suite 2
Queensbury, NY 12804

RE: Letter of Continued Coverage (LOCC) for Coverage Under
SPDES General Permit for Stormwater Discharges from Construction Activity (CGP)
General Permit No. GP-0-25-001

Dear Owner or Operator,

The New York State Department of Environmental Conservation (NYSDEC) received a complete Request to Continue Coverage form for continued coverage under GP-0-25-001 for construction activities located at:

Project Name: The Grove on Sisson
Project Address: 60-66 Sisson Road
Moreau, NY 12803
Project County: Saratoga

Through submission of the Request to Continue Coverage form on February 27, 2025, the owner or operator certified that the eligibility requirements in Part I.A. of GP-0-25-001 have been met, where required.

As a reminder, this LOCC is not the permit document. The permit document, GP-0-25-001, is accessible on NYSDEC's website: dec.ny.gov

The project has obtained continued coverage in accordance with Part I.F.4. of GP-0-25-001 as follows:

- Project Name: The Grove on Sisson
- eNOI Submission ID:
- SPDES Permit ID: NYR11G929
- Date continued coverage has been obtained: February 27, 2025

If there are any questions regarding the requirements in GP-0-25-001, please contact me.

Sincerely,

John Mutthersbaugh
Assistant Engineer



Department of Health

ANDREW M. CUOMO
Governor

HOWARD A. ZUCKER, M.D., J.D.
Commissioner

LISA J. PINO, M.A., J.D.
Executive Deputy Commissioner

August 12, 2021

Travis Mitchell, P.E.
EDP, LLP
900 Route 146
Clifton Park, NY 12065

RE: Moreau WD, PWSID# 4500177
The Grove on Sisson Road Apartment Complex

Dear Mr. Mitchell,

The Department of Health has approved plans for the above noted project. The plans are titled THE GROVE ON SISSON ROAD with most recent revisions dated August 20, 2019. The plans were received in this office May 5, 2021. The project includes connection to Moreau WD public water supply for 100 new apartment units. Approval of these plans is conditioned on the following:

1. That the proposed works be constructed in complete conformity with the approved plans or amendments thereto;
2. That all components of the proposed works be compliant with AWWA standards and designed and certified for use in a public drinking water system;
3. That all components of the proposed works be installed, operated, and maintained as per the manufacturer specifications;
4. That approval be granted by other agencies or municipalities having jurisdiction.
5. That the design professional provides certification to this office that construction was performed in accordance with the approved plans, and that all equipment has been flushed and disinfected in accordance with AWWA standards;
6. That the results for two consecutive days of satisfactory total coliform samples be submitted to this office;
7. That upon satisfactory completion of the above items, the Department of Health provides approval to resume normal water consumption and usage.

The responsibility for the design of the system lies solely with the design professional and the proper operation of the system lies solely with the owner/operator of the system. The purpose of the Department of Health review is for compliance with New York State Sanitary Code and in no way guarantees proper system operation. A set of approved plans is being retained in our files.

Sincerely,

Maria O'Connell, P.E.
Professional Engineer I

c: Jesse Fish, Town of Moreau

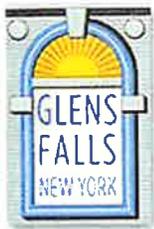
December 15, 2025

Jesse Fish
Town Supervisor
Town of Moreau
351 Reynolds Road
Moreau, NY 12828

Re: Town of Moreau Sisson Road Wastewater Capacity

Supervisor Fish:

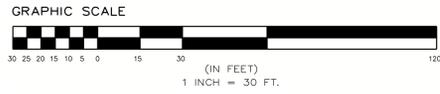
After review, the City of Glens Falls Wastewater Treatment Facility has sufficient capacity within the Treatment Plant for the additional flow from the Sisson Road Project in the Town of Moreau. The Town of Moreau has capacity under their Inter-Municipal Agreement with the City of Glens Falls to accept the anticipated 33,000 gallons per day (gpd) wastewater flow that the considered project on Sisson Road in the Town of Moreau will generate. Please let me know if you have any additional questions or concerns.



William C. Norton
Water & Sewer Superintendent
City of Glens Falls
2 Shermantown Road
Glens Falls, NY 12801
Office: (518) 761-3850 Ext. 3112
wnorton@cityofglensfalls.com

EXHIBIT “F”

PROJECT UTILITY PLANS AND DETAILS



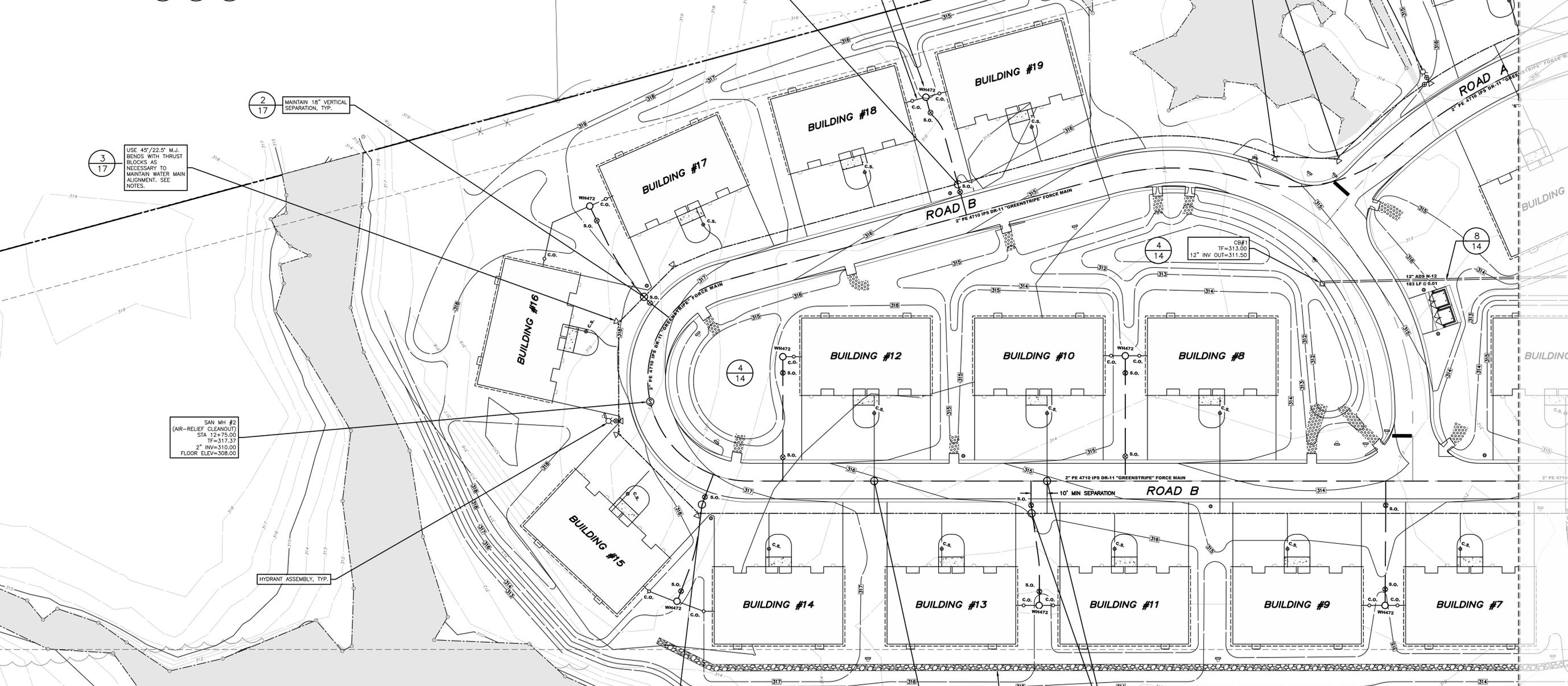
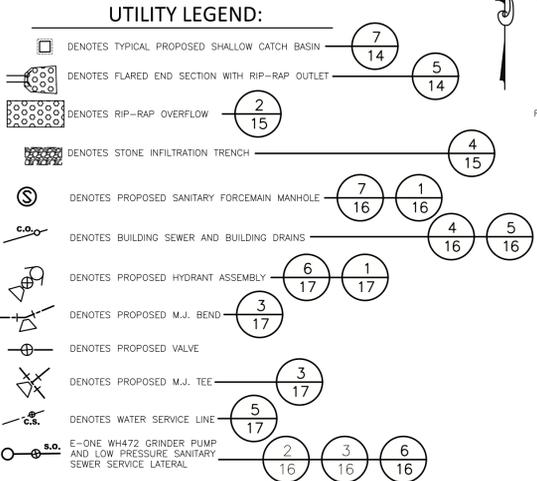
WATER METER NOTE:
 MASTER WATER METER SHALL BE COORDINATED WITH THE TOWN OF MOREAU WATER DEPARTMENT. THE TOWN SHALL BE PROVIDED WITH KEYS TO THE WATER METER VAULT.

NOTES: WATER MAIN CURVATURE OPTIONS

- FROM ROAD B STATION 11+80 - 13+80 PIPE MAY BE EITHER 8" PVC DR-18 AWWA C-900 WITH M.J. BENDS AS NECESSARY OR
- 8" PE 4710 DIPS DR-11 AWWA C-905 BLUE STRIPE WITH E-FUSION TRANSITION CORP SADDLE SERVICE CONNECTIONS AND A 8" X 6" PE 4710 FUSION TEE WITH 6" FUSION X M.J. ADAPTER & S.S. INSERT STIFFENER CONNECTED TO 6" HYDRANT VALVE.

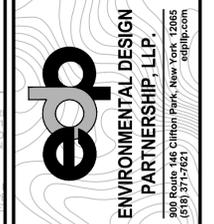
FOR PE WATER MAIN OPTION:

- SEE TYPICAL HOPE TO PVC PIPE TRANSITION DETAIL. CONNECT 8" PE 4710 H.D.D. PIPE TO 8" PVC AWWA C-900 DR-18 PIPE WITH A FUSION X M.J. ADAPTER WITH S.S. INSERT STIFFENER AND AN M.J. D.I. SOLID SLEEVE WITH WEDGE-TYPE RESTRAINED GLAND ON THE PVC SIDE. PER DETAIL, INSTALL EITHER ANCHORING BLOCK CAST AROUND FIRED WALL SEEVE FITTING OR HARNESS RESTRAIN THREE BELL AND SPIGOT JOINTS (MIN. 60 LF PIPE USING ROMAC STYLE E11 RESTRAINING SYSTEM AND E844 PV-2000 WEDGE RESTRAINT-TYPE GLANDS.



SHEET 8
SHEET 8

2.0" TO 1.5" REDUCER/NCR EITHER PE 473 DR-11 FUSION WATER WORKS BRASS COMPRESSION CONNECTIONS I.P.S. O.D. PIPE WITH S.S. INSIDE STIFFENERS



SITE IMPROVEMENT PLANS FOR THE GROVE ON SISSON ROAD
 APPLICANT: SCHERMERHORN RH
 60-66 SISSON ROAD
 TOWN OF MOREAU
 SARATOGA COUNTY, NEW YORK

TAX MAP: 50.00-2-100.11
 APRIL 1, 2019

DRAWN BY: STD
 CHECKED BY: JCD
 TOP PROJECT NUMBER: 18783

THE ADOPTION OF THESE DOCUMENTS IN ANY WAY RELEASES OUR FIRM FROM ALL LIABILITY FOR ANY DAMAGE, LOSS, OR INJURY TO PERSONS OR PROPERTY, INCLUDING THE LIABILITY OF A PROFESSIONAL ENGINEER OR ARCHITECT OR SURVEYOR FOR A SUPERIOR IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW AND/OR REGULATIONS AND IS A CLASS "A" VIOLATION.

REVISION	DATE	BY
REVISIONS PER T.D.E.	6/27/19	STD
REVISIONS PER INTERNAL REVIEW	8/20/19	STD
REVISIONS PER TDC SENIOR REVIEW	12/24/21	BF
REVISIONS PER TDC SENIOR REVIEW	3/14/22	SA
REVISIONS PER TDC SENIOR REVIEW	6/6/22	SA
REVISIONS PER TDC SENIOR REVIEW	2/17/23	BF
REVISIONS PER TDC SENIOR REVIEW	3/15/23	BF

TRAVIS J. MITCHELL
 PE 81,539



SCALE: 1" = 30'

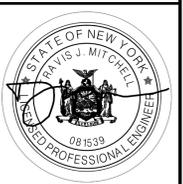
SHEET TITLE: UTILITY PLAN EAST

SHEET: 8 of 20

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REVISION	DATE	BY
REVISIONS PER T.O.D.	6/27/19	STD
REVISIONS PER INTERNAL REVIEW	8/20/19	STD
REVISIONS PER TDE SEWER REVIEW	12/24/21	BF
REVISIONS PER TDE SEWER REVIEW	3/14/22	SA
REVISIONS PER TDE SEWER REVIEW	6/16/22	SA
REVISIONS PER TDE SEWER REVIEW	2/17/23	BF
REVISIONS PER TDE SEWER REVIEW	3/15/23	BF

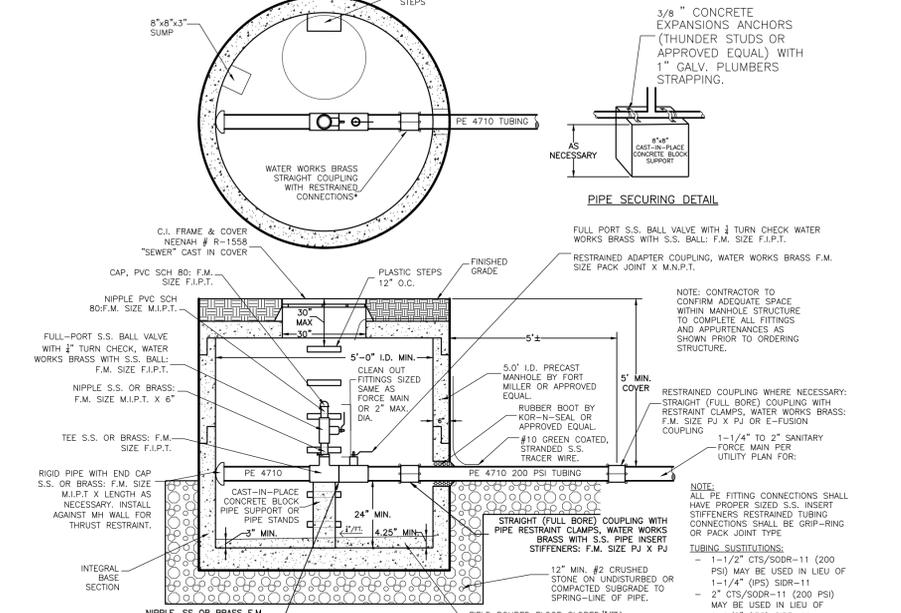
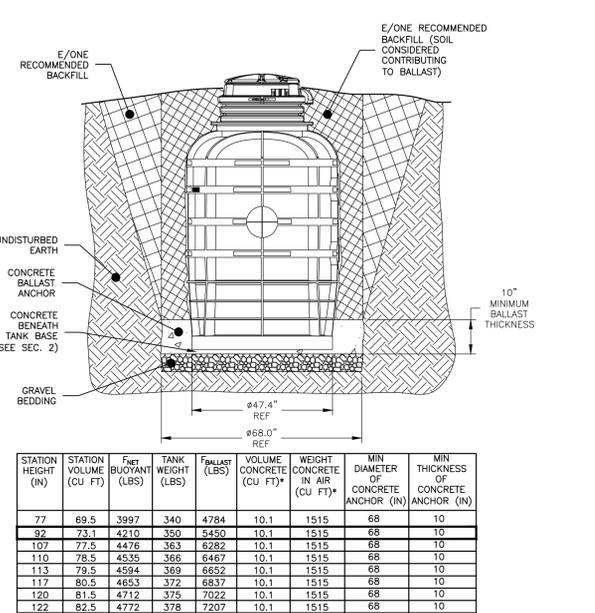
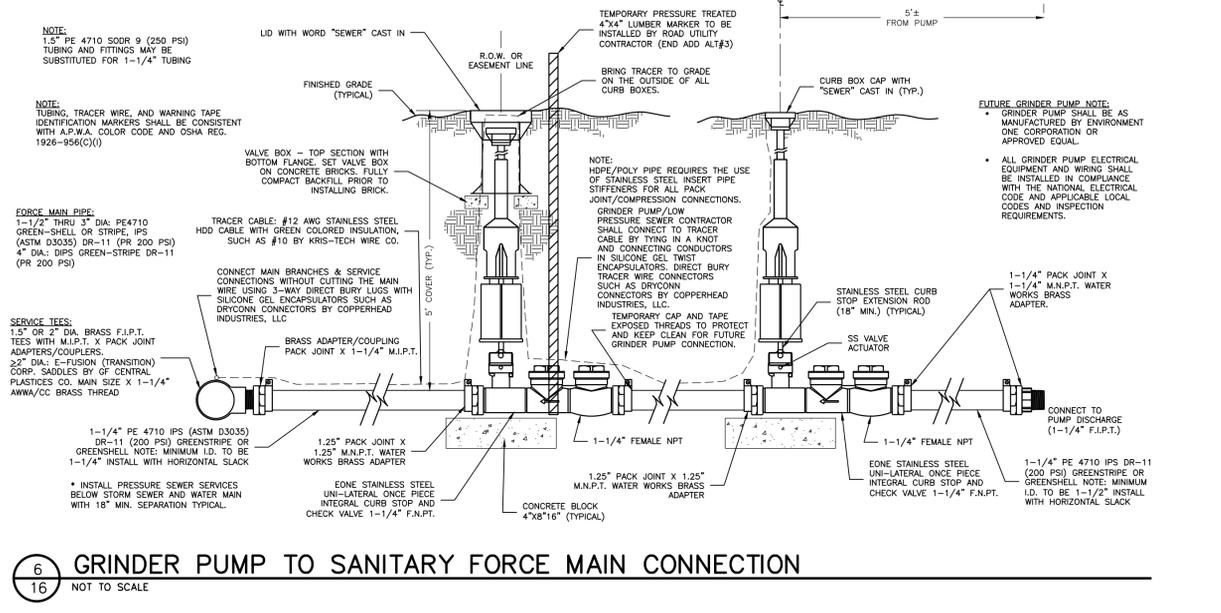
TRAVIS J. MITCHELL
 PE 81,539



SCALE: AS NOTED

SHEET TITLE: SANITARY DETAILS

SHEET: 16 of 20



ELECTRICAL NOTES:

- CONTRACTOR TO VERIFY LINE VOLTAGE AT THE SITE.
- ELECTRONIC/ELECTRIC CONTROL PANEL SHALL BE SENTRY DUPLEX PROTECT PLUS AS SUPPLIED BY E-ONE OR APPROVED EQUAL. PANEL OPTIONS SHALL INCLUDE AN AUDIBLE ALARM WITH SILENCE AND VISUAL ALARM LIGHT FOR HIGH WATER CONDITIONS IN THE NET WELL PANEL. TO BE LOCATED IN A CONSPICUOUS LOCATION AS APPROVED BY THE OWNER. OUTSIDE ON SIDE OF BUILDING FACING THE UNIT OR AN ANCHORED 6"x6" POST NEAR THE UNIT; INSIDE IN AN UNLOCKED ROOM, BASEMENT, OR STAIRWELL. TYPICALLY 5 FEET OUTSIDE OF FOUNDATION WALL.
- PUMP STATION AND PUMP(S) SHALL MEET ALL APPLICABLE NEC, STATE AND LOCAL CODES FOR USE IN AN INDIVIDUAL RESIDENTIAL APPLICATION.
- ALL ELECTRICAL WORK TO BE DONE IN FULL COMPLIANCE WITH THE CURRENT EDITION OF THE NATIONAL ELECTRICAL CODE AND ALL STATE AND LOCAL CODES.
- THERE SHALL BE NO ELECTRICAL SPLICES, JUNCTION BOXES, OR CONNECTIONS OF ANY KIND IN THE PUMP TANK.
- IN THE EVENT THAT THE NEMA 4 CONTROL PANEL IS TO BE LOCATED OUTSIDE, A THERMOSTATED HEATER SHALL BE PROVIDED TO PREVENT CONDENSATION. ANY CONTROL PANEL OR JUNCTION BOX SHALL BE LOCATED A MINIMUM OF 5 FEET FROM VENT/INTAKE OPENINGS.
- THE NEW YORK BOARD OF FIRE UNDERWRITERS MUST CERTIFY ELECTRICAL EQUIPMENT INSTALLED PURSUANT TO THIS PLAN. A COPY OF THAT CERTIFICATE SHALL BE FURNISHED TO THE ENGINEER OF RECORD AND THE OWNER PRIOR TO ISSUANCE OF FINAL PAYMENT.
- LEVEL CONTROL SWITCHES SHALL BE INTRINSICALLY SAFE.

9. IN ORDER TO REGULATE WHEN THE GRINDER PUMP STATIONS ARE PERMITTED TO PUMP, THE CONTRACTOR SHALL PROVIDE, INSTALL, PROGRAM AND INTEGRATE AN RTU AND ASSOCIATED ANTENNA SYSTEM INTO THE EXISTING TOWN OF MOREAU RADIO NETWORK FOR THE PURPOSE OF TELEMETERING A "DRY" CONTACT PERMISSIVE SIGNAL TO THE PUMP STATION CONTROL PANELS THAT ENABLE THE PUMPS TO OPERATE WHENEVER THE INDUSTRIAL PARK PUMPS ARE NOT RUNNING. THIS RTU SHALL BE BY AQUALOGICS SYSTEM, INC. 5 DWIGHT PARK DRIVE, SYRACUSE, NY 13209. CONTACT: DON BALLWAY, PROJECT ENGINEER, (315) 413-0400. THE RTU SHALL INCLUDE A BATTERY BACKUP (UPS).

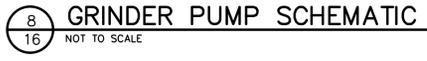
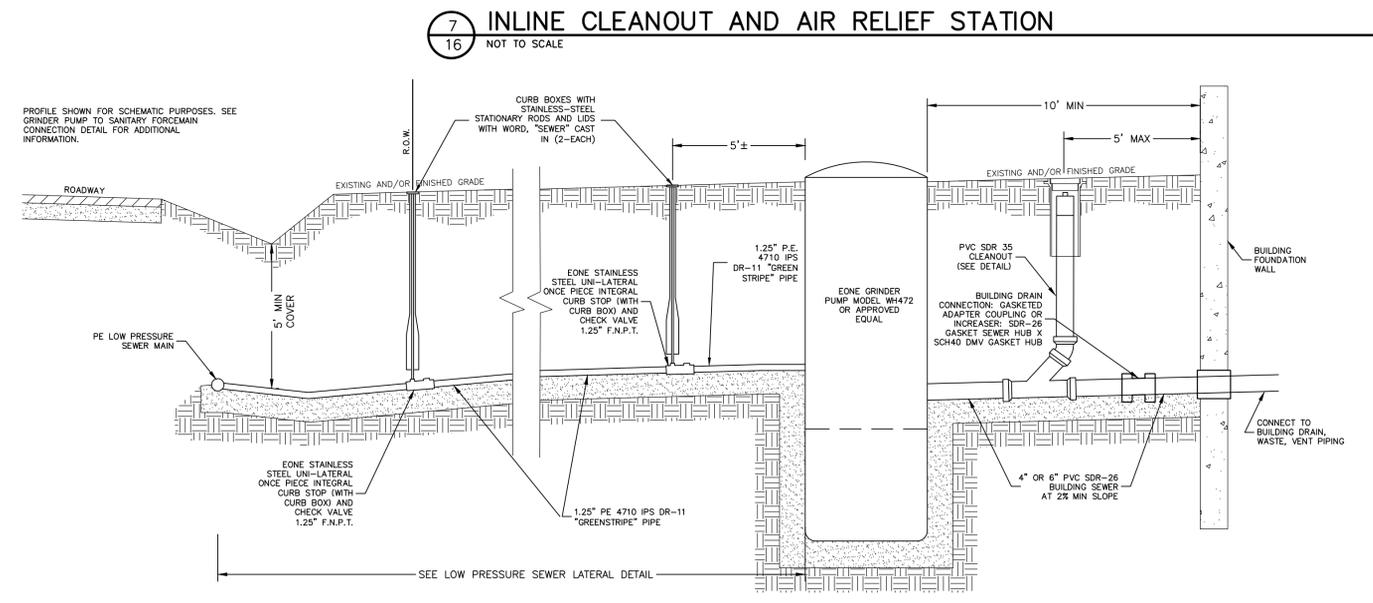
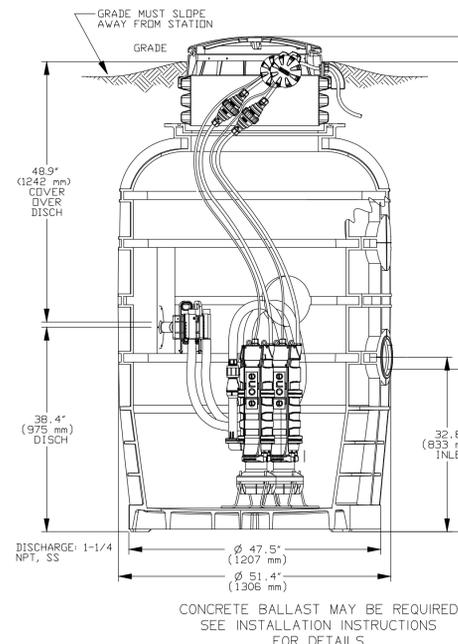


EXHIBIT "G"

SANITARY SEWER CONSTRUCTION COST ESTIMATE



BUDGET ESTIMATE FOR: THE GROVE AT SISSON				
SANITARY SEWER INFRASTRUCTURE				
Last Updated: NOVEMBER 2025				
SANITARY SEWER	QTY	UNIT	UNIT PRICE	TOTAL
Duplex Grinder Pump	15	Each	\$16,000.00	\$240,000
Clean Out / Air Relief Manhole	3	Each	\$10,000.00	\$30,000
1.5" Forceman	2,000	LF	\$75.00	\$150,000
2" Forcemain	1,385	LF	\$95.00	\$131,575
3" Forcemain	530	LF	\$110.00	\$58,300
Connection to Existing Forcemain	1	Each	\$15,000.00	\$15,000
Construction Total:				\$624,875