GENESEE COUNTY PLANNING BOARD REFERRALS
NOTICE OF FINAL ACTION

GCDP Referral ID	**T-14-BAT-12-23**
Review Date	**12/14/2023**
Municipality	**BATAVIA, T.**
Board Name	**PLANNING BOARD**
Applicant's Name	**Genesee Biogas LLC**
Referral Type	**Site Plan Review**
Variance(s)	
Description:	**Site Plan Review to construct a new bio-gas plant at an existing agri-business industrial park.**
Location	**W Ag Park Dr., Batavia**
Zoning District	**Industrial Park (IP) District**

PLANNING BOARD RECOMMENDS:

APPROVAL WITH MODIFICATION(S)

EXPLANATION:

The required modifications are as follows: 1) Given that the applicant will be disturbing more than an acre of land, the applicant completes a Stormwater Pollution Prevention Plan (SWPPP) and obtains a Stormwater Permit for Construction Activity from NYS Department of Environmental Conservation (DEC); and 2) The applicant adheres to the reporting requirements per the attached memo from the GLOW Region Solid Waste Management Committee. With these required modifications, the proposed industrial use should pose no significant county-wide or inter-community impact. It is recommended that the applicant completes the attached application for 9-1-1 Address Verification to the Genesee County Sheriff's Office to ensure that an address is assigned that meets Enhanced 9-1-1 standards. It is further recommended that the applicant ensure that the proposed buildings will meet the Public Safety Radio System In-Building Coverage Requirement (NYS Fire Code Section 510), and that such requirement be verified post construction by the Code Enforcement Officer or by the Genesee County Sheriff's Office.

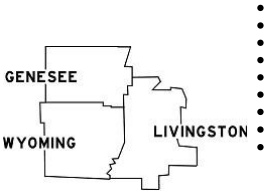
Felipe A. Oltramari

Director

December 14, 2023

Date

If the County Planning Board disapproved the proposal, or recommends modifications, the referring agency shall NOT act contrary to the recommendations except by a vote of a majority plus one of all the members and after the adoption of a resolution setting forth the reasons for such contrary action. Within 30 days after the final action the referring agency shall file a report of final action with the County Planning Board. An action taken form is provided for this purpose and may be obtained from the Genesee County Planning Department.



Genesee County Bldg #2
3837 West Main St. Rd.
Batavia, NY 14020-9404

GLOW Region Solid Waste Management Committee

Memorandum

To: Genesee Biogas LLC; Batavia Town Planning Board; Genesee County Planning Board

From: Amanda Lee, Recycling Administrator

Date: July 10, 2023

RE: Genesee Biogas Reporting

I am writing to inform Genesee Biogas LLC, Batavia Town Planning Board, and the Genesee County Planning Board of the requirements for reporting waste and recycled data. Per Genesee County Local Law No. 4 of 1992 Recycling Rules and Regulations, waste haulers and recyclers are required in Genesee County to report the tonnages they collect to the GLOW Solid Waste Management Committee. Reporting is used to monitor waste generation and the economic impacts of materials reuse in our region. Reporting can be done on an annual or quarterly basis. The GLOW office will send the report form to Genesee Biogas to be completed based on the cadence chosen.

If there are any questions or concerns, please direct them to the GLOW office at glow@co.genesee.ny.us.

Phone: 585-815-7906
Hotline: 800-836-1154
Fax: 585-345-3061
glow@co.genesee.ny.us
www.glowsolidwaste.org

SEND OR DELIVER TO:
GENESEE COUNTY DEPARTMENT OF PLANNING
3837 West Main Street Road
Batavia, NY 14020-9404
Phone: (585) 815-7901

DEPARTMENT USE ONLY:
GCDP Referral # T-14-BAT-12-23

RECEIVED
Genesee County
Dept. of Planning
12/7/2023

* GENESEE COUNTY * PLANNING BOARD REFERRAL

Required According to:
GENERAL MUNICIPAL LAW ARTICLE 12B, SECTION 239 L, M, N
(Please answer ALL questions as fully as possible)

1. REFERRING BOARD(S) INFORMATION

Board(s) Town of Batavia Planning
Address 3833 West Main St Rd
City, State, Zip Batavia, NY 14020
Phone (585) 343 - 1729 Ext. 238

2. APPLICANT INFORMATION

Name Genesee Biogas LLC/GCEDC
Address 99 Medtech Dr Suite 106
City, State, Zip Batavia, NY 14020
Phone (585) 343 - 4866 Ext. 11 Email ltoretta@ch4biogas.com

MUNICIPALITY: ☐ **City** ■ **Town** ☐ **Village of** Batavia

3. TYPE OF REFERRAL: (Check all applicable items)

- ☐ Area Variance
- ☐ Use Variance
- ☐ Special Use Permit
- ■ Site Plan Review
- ☐ Zoning Map Change
- ☐ Zoning Text Amendments
- ☐ Comprehensive Plan/Update
- ☐ Other:

Subdivision Proposal
- ☐ Preliminary
- ☐ Final

4. LOCATION OF THE REAL PROPERTY PERTAINING TO THIS REFERRAL:

A. Full Address Vacant Parcel West Ag Park Dr
B. Nearest intersecting road Ellicott
C. Tax Map Parcel Number 20.-1-108.1
D. Total area of the property 19.7 acres Area of property to be disturbed 10 +/- acres
E. Present zoning district(s) Industrial Park

5. REFERRAL CASE INFORMATION:

A. Has this referral been previously reviewed by the Genesee County Planning Board?

☐ NO ■ YES If yes, give date and action taken Believe this project has been submitted multiple times

B. Special Use Permit and/or Variances refer to the following section(s) of the present zoning ordinance and/or law

C. Please describe the nature of this request

Construction of a renewable gas facility (biogas plant) for the purpose of digesting organic wastes to produce renewable natural gas (RNG) and/or electricity and heat.

6. ENCLOSURES – Please enclose copy(s) of all appropriate items in regard to this referral

- ■ Local application
- ■ Site plan
- ☐ Subdivision plot plans
- ■ SEQR forms
- ☐ Zoning text/map amendments
- ■ Location map or tax maps
- ■ Elevation drawings
- ■ Agricultural data statement
- ☐ New or updated comprehensive plan
- ☐ Photos
- ☐ Other:

7. CONTACT INFORMATION of the person representing the community in filling out this form (required information)

Name Matthew Mahaney Title CEO Phone (585) 343 - 1729 Ext. 238
Address, City, State, Zip 3833 West Main St Rd Batavia, NY 14020 Email

PINEWOODS ENGINEERING

LAND DEVELOPMENT & STORM WATER MANAGEMENT

December 5, 2023

Building & Zoning Department
Town of Batavia
3833 West Main Street Road
Batavia, New York 14020

RE: Application for Site Plan Approval
Genesee Biogas, Genesee Valley Agri-Business Park

Dear Mr. Lang:

On behalf of our client Genesee Biogas, LLC, who is the applicant for the proposed Genesee Biogas project; we are submitting this application for Site Plan with the Town of Batavia Planning Board for the proposed Genesee Biogas project. Previous documents were submitted to allow the Town Zoning Board of Appeals to proceed with reviewing the project for a conditional area variance for tank height. On June 19, 2023 that board voted to allow a maximum 83.5-ft building/tank height for this site. This application to begin the County and Town SEQR reviews and preliminary site plan review for the overall project includes the following:

1. Town of Batavia Building & Zoning Application, for Site Plan Approval
2. Environmental Assessment Form (Long EAF)
3. EAF Supplemental Report
4. Ag Data Statement (for consideration of entire project)
5. Preliminary Site Development Plans, dated 12/5/23
6. Building & Tanks Floor Plan & Elevation Drawings
7. Colored renderings used for 6/19/23 ZBA presentation

We respectfully request that the Town forward this application to the Genesee County Planning Board by December 6, 2023 so the project may be considered at their December 14, 2023 meeting date. We also request to have the project added to the Town of Batavia Planning Board's December 19, 2023 agenda. Please contact me with any questions, or if you require any additional information.

With Regards,

PINEWOODS ENGINEERING, P.C.

Sara L. Gilbert

Sara Gilbert, P.E
President/Senior Civil Engineer

CC. Genesee Biogas, LLC w/attachments

Building and Zoning Application Permit No._____

Town of Batavia 3833 West Main Rd. Batavia NY 14020 PH. 585-343-1729

Date 6 / 29 / 23 Zone IP Flood Zone_____ Wellhead Protection _____ Corner Lot_____

New Construction ☒ Fence ☐ Pond ☐ Sign ☐ Alteration(s)☐ Addition ☐ Demolition ☐

Accessory Bldg. ☐ Mobile Home ☐ Fill Permit ☐ Home Occupation☐ Land Separation ☐ Site Plan Approval ☒

Special Use Permit ☐ Temporary Use ☐ Subdivision ☐ Zoning Variance Request ☐ Other ☐ Specify:_____

Tax Map No. 20.-1-108.1

Owners Name Genesee County Economic Development Center Phone No. (585) 343-4866 x11

Address 99 MedTech Drive, Suite 106 Project Road Width 60 ft

Applicants Name Genesee Biogas, LLC Project Address 30 Lakewood Circle North

E Mail Address ltoretta@ch4biogas.com Phone No (203) 869-1446

Description of Project: Construction of a renewable gas facility (biogas plant) for the purpose of digesting organic wastes to produce renewable natural gas (RNG) and/or electricity and heat.

Existing Use Vacant Land/Agricultural Proposed Use Agricultural

Estimated Cost Building $500,000 Plumbing $100,000 Mechanical $100,000 Miscellaneous $300,000

SEQR CLASSIFICATION Type 1 ☐ Type 2 ☐ Unlisted ☐

Review completed by Planning Board ☐_____ Zoning Board of Appeals ☐_____

Permit Fee $_____ Application Date ____ /____ /____ Permit Expires On ____ /____ /____

Issuing Officer _____ Date____ /____ /____

IN SIGNING THIS DOCUMENT I HEARBY GIVE THE RIGHT OF AN ON SITE INSPECTION TO THE TOWN OF BATAVIA CODE ENFORCEMENT OFFICIAL OR THEIR DESIGNE. ALL PROVISIONS OF LAWS AND ORDINANCES GOVERNING THIS TYPE OF WORK WILL BE COMPLIED WITH WHETHER SPECIFIED HEREIN OR NOT. THE GRANTING OF A PERMIT DOES NOT PRESUME TO GIVE AUTHORITY TO VIOLATE OR CANCEL THE PROVISIONS OF ANY OTHER STATE OR LOCAL LAW REGULATING CONSTRUCTION OR THE PREFORMANCE OF CONSTRUCTION.

I, Lauren Toretta, as Owner or Authorized Agent hereby declare that the statements and information on the foregoing application are true and accurate, to the best of my knowledge.

Lauren Toretta _____ July 3, 2023

Signature of Owner or Authorized Agent Date

TOWN VILLAGE CITY OF Batavia Application #_____
(circle one)

Agricultural Data Statement

Date 11/17/2023

Instructions: This form must be completed for any application for a special use permit, site plan approval, use variance or a subdivision approval requiring municipal review that would occur on property within 500 feet of a farm operation located in a NYS Dept. of Ag & Markets certified Agricultural District.

Applicant	Owner if Different from Applicant
Name: Genesee Biogas LLC Address: 30 Lakewood Circle North Greenwich, CT 06830	Name: Genesee County Economic Develp. Center Address: 99 MedTech Drive, Suite 106 Batavia, NY 14020

1. Type of Application: ☐Special Use Permit; ☑Site Plan Approval ; ☐Use Variance; ☐Subdivision Approval
(circle one or more)

Additional Owner:
O-AT-KA Milk Prod. Coop.
PO Box 718
Batavia, NY 14021

2. Description of proposed project: Construction of a new renewable gas facility (biogas plant) consisting of; tanks for digestion, post-digestion processing, various process equipment and tanks, and a ±18,000 s.f. receiving building. Organic food waste will be mainly from businesses within the Ag-Park and Ag-Park business will have first priority as a waste source for the facility. Potential future delivery of waste by forcemains within the Ag-Park is included in the application.

3. Location of project: Address: W. Ag Park Drive in the Genesee Valley Agri-Business Park
Tax Map Number (TMP) 20.-1-108.1

4. Is this parcel within an Agricultural District? ☐NO ☑YES (Check with your local assessor if you do not know)
5. If YES, Agricultural District Number GENE001
6. Is this parcel actively farmed? ☐NO ☑YES
7. List all farm operations within 500 feet of your parcel. Attach additional sheets if necessary.

Additional sheet attached

Name: Donald Partridge Address: 4957 Ellicott St. Rd. Batavia, NY 14020 Is this parcel actively farmed? ☐NO ☑YES	Name: O-AT-KA Milk Products Coop. Inc. Address: PO Box 718 Batavia, NY 14021 Is this parcel actively farmed? ☐NO ☑YES
Name: HP Hood, LLC Address: 6 Kimball Lane Lynnfield, MA 01940 Is this parcel actively farmed? ☐NO ☑YES	Name: Donna Nichols Address: 9771 Bethany Center Rd East Bethany, NY 14054 Is this parcel actively farmed? ☐NO ☑YES

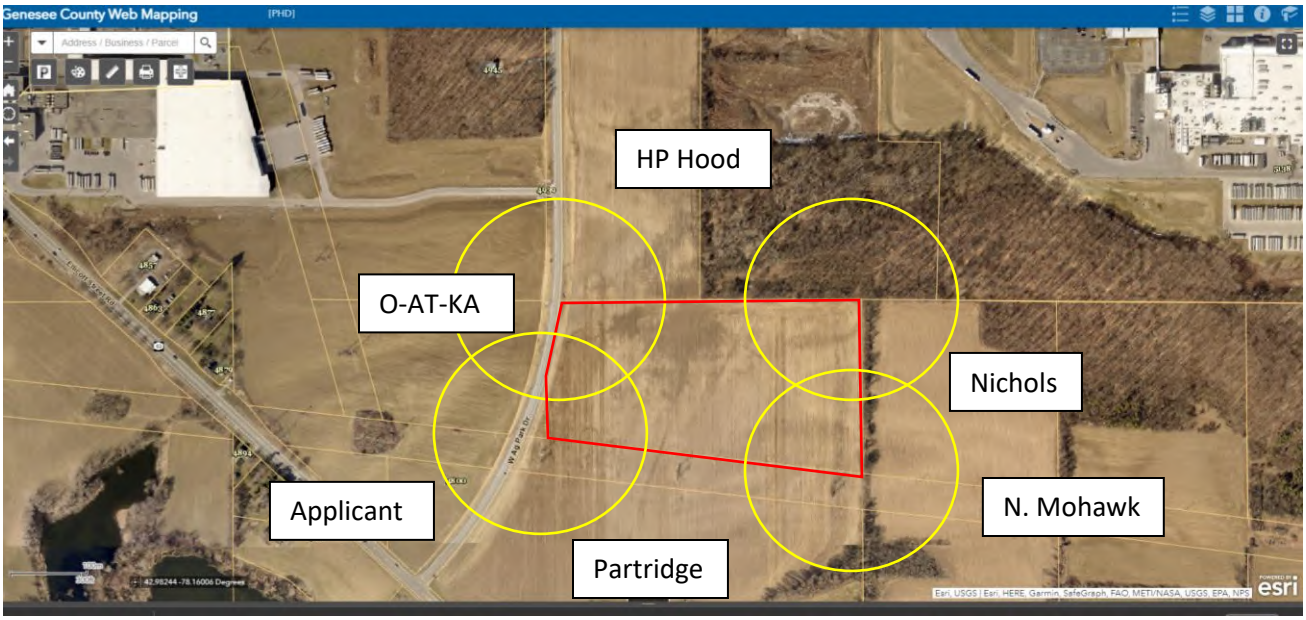
Lauren Toretta
Signature of Applicant

_____
Signature of Owner (if other than applicant)

Reviewed by: _____ _____
Signature of Municipal Official Date

NOTE TO REFERRAL AGENCY: County Planning Board review is required. A copy of the Agricultural Data Statement must be submitted along with the referral to the County Planning Department.

Niagara Mohawk
300 Erie Blvd. West
Syracuse, NY 13202
Actively Farmed? Yes



Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Genesee Biogas Facility		
Project Location (describe, and attach a general location map): Genesee Valley Agricultural Business Park, 20.-1-108.1		
Brief Description of Proposed Action (include purpose or need): Construction of a renewable gas facility (biogas plant) consisting of: two digesters, a post-digestion storage tank, and associated equipment for the purpose of digesting organic wastes to produce renewable natural gas (RNG) and/or electricity and heat. A utility corridor is included in the application consisting of: forcemain lines, electrical lines and water lines. This is to allow the option for delivery of source material to the facility from each of the main waste stream plants (i.e. O-AT-KA, HOOD, etc.). A small portion of the waste stream will be received by truck delivery. The facility will consist of a series of tanks, infrastructure, heat exchangers and buildings including a 18,000 s.f. receiving and unloading building. A new commercial driveway is proposed to W. Ag Park Drive.		
Name of Applicant/Sponsor: Genesee Biogas LLC	Telephone: 203-869-1446 E-Mail: ltoretta@ch4biogas.com	
Address: 30 Lakewood Circle North		
City/PO: Greenwich	State: CT	Zip Code: 06830
Project Contact (if not same as sponsor; give name and title/role): Lauren Toretta, President CH4 Biogas LLC	Telephone: 203-869-1446 E-Mail: same as applicant	
Address: same as applicant		
City/PO: same as applicant	State:	Zip Code:
Property Owner (if not same as sponsor): Genesee County Economic Development Center (current, Sponsor-future projected owner)	Telephone: 585-343-4866 x11 E-Mail: csuozzi@gcedc.com	
Address: 99 MedTech Drive, Suite 106		
City/PO: Batavia	State: NY	Zip Code: 14020

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Counsel, Town Board, or Village Board of Trustees ☐Yes ☑No		
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	SEQR Determination & Site Plan Approval	July 3, 2023, updated application submitted on November 17, 2023
c. City, Town or Village Zoning Board of Appeals ☑Yes ☐No	Area Variance for Bldg./Tank Ht.	May 1, 2023
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	Planning Board Recommendation for Agricultural District Development and Site Plan	November 17, 2023
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSDEC - Stormwater, Solid Waste & Air Quality permit (Multi-Sector General Permit-to be verified)	December 16, 2023
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☐Yes ☑No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☑Yes ☐No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☑Yes ☐No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☑Yes ☐No

If Yes, identify the plan(s):

Genesee County Economic Development Center

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
Industrial Park, Agricultural district (County)

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? Batavia School District

b. What police or other public protection forces serve the project site?
Town of Batavia services

c. Which fire protection and emergency medical services serve the project site?
Town of Batavia services

d. What parks serve the project site?
N/A

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Agricultural/Industrial

b. a. Total acreage of the site of the proposed action? ±19.7 acres
b. Total acreage to be physically disturbed? ±9.0 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? ±211 acres

c. Is the proposed action an expansion of an existing project or use? ☐ Yes ☑ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % _____ Units: _____

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☐ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: _____ months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐Yes ☑No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase	_____	_____	_____	_____
At completion of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? ☐Yes ☑No

If Yes,

i. Total number of structures _____

ii. Dimensions (in feet) of largest proposed structure: _____height; _____width; and _____ length

iii. Approximate extent of building space to be heated or cooled: _____ square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐Yes ☑No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☐Yes ☑No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? _____

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): _____
- Over what duration of time? _____

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

_____

_____

i*v.* Will there be onsite dewatering or processing of excavated materials? ☐Yes ☐No
If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐Yes ☐No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐Yes ☑No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐Yes ☐No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐Yes ☐No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑Yes ☐No

If Yes:

i. Total anticipated water usage/demand per day: 600 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☑Yes ☐No

If Yes:

- Name of district or service area: Town of Batavia/Agri-Business Park
- Does the existing public water supply have capacity to serve the proposal? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No
- Do existing lines serve the project site? ☐Yes ☑No

iii. Will line extension within an existing district be necessary to supply the project? ☑Yes ☐No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: extend service lateral from main in W. Ag Park Drive
- Source(s) of supply for the district: Town of Batavia/MCWA

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐Yes ☑No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: The project will also look to utilize O-AT-KA waste-process water for non-potable water demands

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: _____ gallons/minute.

d. Will the proposed action generate liquid wastes? ☑Yes ☐No

If Yes:

i. Total anticipated liquid waste generation per day: ±130,250 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): ±250 gpd of domestic sanitary waste from office use (to WWTP) and ±130,000 gpd digestate from processing of food grade organic wastes (to offsite lagoon)

iii. Will the proposed action use any existing public wastewater treatment facilities? ☑Yes ☐No

If Yes:

- Name of wastewater treatment plant to be used: City and Town of Batavia WWTP
- Name of district: City and Town of Batavia
- Does the existing wastewater treatment plant have capacity to serve the project? ☑Yes ☐No
- Is the project site in the existing district? ☑Yes ☐No
- Is expansion of the district needed? ☐Yes ☑No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

  If Yes:
  - Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:
- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

Existing and appropriately permitted offsite lagoons will be used to temporarily store waste until it may be land applied. These existing lagoons act as receiving waste entities and must handle and land apply waste in accordance with their facility permit under NYSDEC permit requirements.

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

Process water may be reused within the facility. Land applicpation by digestate receivers is a reuse of the liquid waste.

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☑ Yes ☐ No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or ±1 acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. pipes and/or swales for stormwater conveyance

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

To new onsite stormwater management facilities (for filtering, treatment) and then to existing stormwater management basins at park, discharge from basin to Ag Park/Adjacent properties - per Ag Park Design

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☑ Yes ☐ No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☑ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑ Yes ☐ No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

heavy equipment and delivery vehicles

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

none

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

plant biofilter, natural gas fired IC engine driven power generation and natural gas fired boiler.

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☑ Yes ☐ No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☑ No

ii. In addition to emissions as calculated in the application, the project will generate:
- 25 Tons/year (short tons) of Carbon Dioxide (CO_2)
- 4 Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☑ Yes ☐ No

If Yes:

i. Estimate methane generation in tons/year (metric): 5000

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): All collected methane will be immediately: injected into the National Fuel pipeline; combusted to generate electricity; or flared (on rare occasions of equipment maintenance, etc.), the project will not produce methane emissions and will not store methane.

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐ Yes ☑ No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐ Yes ☑ No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐ Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐ Yes ☐ No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐ Yes ☐ No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐ Yes ☐ No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐ Yes ☐ No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☑ Yes ☐ No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: 5000 MWh/year

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

On-site combustion

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐ Yes ☑ No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 0 till construction
- Saturday: _____
- Sunday: _____
- Holidays: _____

ii. During Operations:

- Monday - Friday: 24 hrs
- Saturday: 24 hrs
- Sunday: 24 hrs
- Holidays: 24 hrs

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☐ Yes ☑ No

If yes:

i. Provide details including sources, time of day and duration:

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☐ No

Describe:

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Minimal outdoor lighting for security purposes only, mostly door-mount fixtures, aimed down, no offsite light spillage.

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe:

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☑ Yes ☐ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:

The facility operations have the potential to cause odors however the system is a closed one in which odors are not released to the atmosphere. The Town of Batavia has required an 'Odor Mitigation & Response Plan' be prepared for the Facility. A draft plan is included in the SEQR Supplemenal Report.

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☑ Yes ☐ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: 2-3 tons per month (unit of time)
- Operation : 2000 tons per year (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: N/A
- Operation: All process by-products are recycled.

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: local contract waste hauler to certified landfill
- Operation: local contract waste hauler to certified landfill, digestate delivered to properly permitted lagoons for holding till land-spreading may occur.

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

_____

_____

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

_____

_____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

_____

_____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

_____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

_____

_____

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☐ Urban ☑ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)

☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

_____

_____

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces		1.0	+1.0
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	19.7	16.7	-3.0
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)		1.0	+1.0
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)		1.0	+1.0
• Other Describe: _____ _____			

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☐ Yes ☑ No

If Yes,

i. Identify Facilities:

_____

_____

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☐ No

☐ Yes – Spills Incidents database Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☐ Yes ☑ No

If yes, provide DEC ID number(s): _____

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? >6 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

Palmyra gravelly loam (PhA)	65 %
Palmyra gravelly loam (PhB)	35 %
	%

d. What is the average depth to the water table on the project site? Average: >6 feet

e. Drainage status of project site soils:

☑	Well Drained:	100 % of site
☐	Moderately Well Drained:	_____% of site
☐	Poorly Drained	_____% of site

f. Approximate proportion of proposed action site with slopes:

☑	0-10%:	100 % of site
☐	10-15%:	_____% of site
☐	15% or greater:	_____% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☑ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☑ Yes ☐ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☑ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name N/A Classification _____
- Lakes or Ponds: Name N/A Classification _____
- Wetlands: Name N/A Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☑ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☑ Yes ☐ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☑ Yes ☐ No
If Yes:

i. Name of aquifer: Principal Aquifer, Primary Aquifer

m. Identify the predominant wildlife species that occupy or use the project site: None

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

If Yes:

i. Species and listing (endangered or threatened): _____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:

i. Species and listing: _____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use: _____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☑ Yes ☐ No

If Yes, provide county plus district name/number: GENE001

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☐ Yes ☑ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: _____

iii. Brief description of attributes on which listing is based:

_____

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☑ Yes ☐ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☑ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

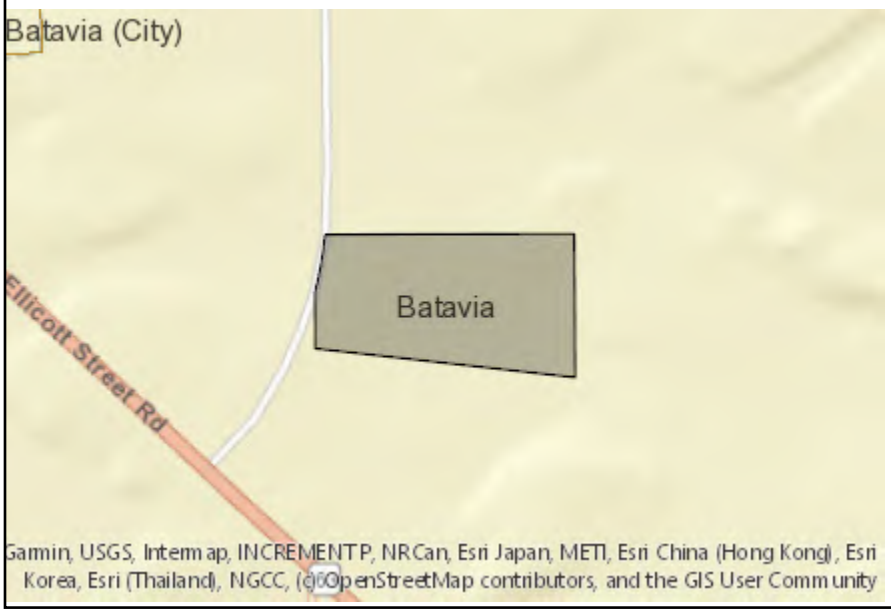
Applicant/Sponsor Name Lauren Toretta, President Genesee Biogas LLC Date 11/17/2023

Signature Lauren Toretta Title President

PRINT FORM

EAF Mapper Summary Report

Thursday, April 20, 2023 3:50 PM



Disclaimer: The EAF Mapper is a screening tool intended to assist project sponsors and reviewing agencies in preparing an environmental assessment form (EAF). Not all questions asked in the EAF are answered by the EAF Mapper. Additional information on any EAF question can be obtained by consulting the EAF Workbooks. Although the EAF Mapper provides the most up-to-date digital data available to DEC, you may also need to contact local or other data sources in order to obtain data not provided by the Mapper. Digital data is not a substitute for agency determinations.

B.i.i [Coastal or Waterfront Area]	No
B.i.ii [Local Waterfront Revitalization Area]	No
C.2.b. [Special Planning District]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h [DEC Spills or Remediation Site - Potential Contamination History]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Listed]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.i [DEC Spills or Remediation Site - Environmental Site Remediation Database]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.1.h.iii [Within 2,000' of DEC Remediation Site]	No
E.2.g [Unique Geologic Features]	No
E.2.h.i [Surface Water Features]	No
E.2.h.ii [Surface Water Features]	Yes
E.2.h.iii [Surface Water Features]	Yes - Digital mapping information on local and federal wetlands and waterbodies is known to be incomplete. Refer to EAF Workbook.
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.j. [100 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.k. [500 Year Floodplain]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.2.l. [Aquifers]	Yes
E.2.l. [Aquifer Names]	Principal Aquifer, Primary Aquifer
E.2.n. [Natural Communities]	No

E.2.o. [Endangered or Threatened Species]	No
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	GENE001
E.3.c. [National Natural Landmark]	No
E.3.d [Critical Environmental Area]	No
E.3.e. [National or State Register of Historic Places or State Eligible Sites]	Digital mapping data are not available or are incomplete. Refer to EAF Workbook.
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No

SUPPLEMENTAL ENVIRONMENTAL ASSESSMENT REPORT

GENESEE BIOGAS

West Ag-Park Road, Agri-Business Industrial Park
Town of Batavia, Genesee County

Original Date: June 23, 2023

Last Revised: December 5, 2023

Prepared By:

Genesee Biogas, LLC
30 Lakewood Circle North
Greenwich, CT 06830

&

Pinewoods Engineering
42 Aston Villa
North Chili, NY 14514

Table of Contents

Appendices

APPENDIX A

- -NYSDEC Environmental Resource Map
- -NRCS Web Soil Survey
- -Figure #1 - Potential Future Pipeline Delivery Depiction

APPENDIX B

- -Genesee Biogas - Agri-Business Park FGEIS Responses

APPENDIX C

- -Draft Preliminary Emergency Spill Response Plan
- -Draft Preliminary Odor Mitigation and Response Plan
- -Draft Preliminary Noise Mitigation and Response Plan

APPENDIX D

- -Batavia Plant Feedstock Summary
- -Batavia Ag-Park Project Schematic & Mass Balance
- -Preferred Disposal Alternatives

I. Introduction

Genesee Biogas, LLC is proposing to develop a ±20-acre parcel within the Agri-Business Industrial Park ("Ag-Park") owned by the Genesee County Economic Development Center. The parcel is located on the east side of West Ag-Park Drive approximately 1,000-ft north of the intersection of W. Ag-Park Drive and Ellicott Street Road (State Route 63) in the Town of Batavia. The Project includes the facility itself; associated pipe infrastructure; and utility infrastructure improvements. The facility is designed specifically to serve the needs of current and future tenants of the Ag-Park and will contribute to the overall sustainability and viability of the Agri-Business Park and the region while protecting the environment. Digesters like Genesee Biogas are common in the agricultural space to support stewardship of the land, dairies and milk cooperatives.

When the Ag Park was developed a complete State Environmental Quality Review (SEQRA) was done to evaluate all potential adverse environmental impacts of the Ag-Park and its intended development. A report entitled "Final Generic Environmental Impact Statement Genesee Valley Agri-Business Park" (FGEIS) was prepared by Clark Patterson Lee. This report contains descriptions and reports of due-diligence conducted during the Ag-Park development to conclude that it would not have any adverse environmental impacts and set thresholds for future projects so jurisdictional authorities may evaluate if they fall into the previously completed environmental review framework. That report is referred to herein as the "FGEIS" and specific paraphrased portions of that report with response in relation to this project is included in Appendix B.

The intent of this report is to provide supplementary environmental information for this project and to clarify the answers provided in the Environmental Assessment Form (EAF) associated with the unique details of this project to assist in the final SEQRA determination.

II. Project Overview

Genesee Biogas, LLC proposes to design build and operate (the "Project") a renewable gas facility (the "Biogas Plant") called 'Genesee Biogas' to support the Agri-Business Park and the goals of the region, particularly environmental and agricultural. Biogas plants produce renewable green energy and reduce the emission of greenhouse gases such as methane and carbon dioxide. The Biogas Plant will anaerobically digest organic waste to produce biogas which will subsequently be upgraded to renewable natural gas ("RNG") for pipeline injection. The Project may alternatively use biogas to produce electricity and heat. The design of the Biogas Plant includes several unique features:

- The process is designed to enclose liquid and gas flows from input of an estimated 140,000 gpd or approximately 50 million gallons per year to output of around 130,000 gpd.
- The design has the ability to use pasteurization to eliminate pathogens.
- The advanced technology for seeding and operation allows it to operate on organic waste without supplemental of manure in total tankage of 4.2 million gallons.
- Source material may be delivered by pipeline in the future thus reducing truck traffic for Ag-Park tenants. In advance of this, there will be 18 trucks delivering material each day to the Biogas Facility and 16 trucks leaving the Biogas Facility each day with effluent/digestate. Existing trucking has 12 trucks leaving the Ag. Park each day with that waste originating from the Ag. Park. Of the 18 influent trucks, 12 are internal to the Ag. Park, so the net impact on the community would be about 10 trucks.

The design provides for 24-hr monitoring and automatic operation. The proposed siting of the Biogas Plant is close to the middle of the Ag-Park adjacent to electrical transmission lines and wooded parcel for screening. The location is within an industrial development area intended for this type of use and away from residential development.

The proposed project offers many benefits to the community:

1. Utilizing existing waste materials from the region to produce renewable energy,
2. De-packaging and processing of unsalable food products reducing disposal of food waste in landfills and increasing the recycling of packaging material,
3. Facilitating recycling of nutrients through land application as an alternative to the purchase and introduction of additional nutrients (principally Phosphorus and Nitrogen) to area soils,
4. Reducing greenhouse gas emissions and lowering the carbon footprint of regional food processing.

Additional benefits from the Project may include:

1. Increasing site marketability of Ag-Business Park development by offering incoming businesses an affordable and reliable waste disposal option.
2. Creating local jobs and helping to sustain the largest employers in the County by providing economical and environmentally sound solutions to their organic waste management.

NOTE: .The Genesee Biogas project doesn't create or eliminate wastes, it only inserts itself into the overall agricultural production process to improve the material handling and reduce the overall environmental impact. The same wastes will be processed only that they will be more inert, less odorous and more viable as a fertilizer. These will remain available for lagoons and farm use, but in an improved version. Out-of-town disposal sites and trucking will remain critical parts of the overall project.

III. Permitting & Community Services

A. Government Approvals

Construction and operation of the Facility will require several approvals from local, regional and state agencies. The following permits and approvals are anticipated to be required:

Town of Batavia: Planning Board & Engineering

- SEQR Negative Declaration
- Site Plan Approval
- Building Permit

Town of Batavia: Zoning Board

- Area Variance for Tank Height *(Completed on 6/19/2023)*

Genesee County: Planning Department

- Site Plan Referral Recommendation
- Area Variance Referral Recommendation *(Completed on 5/11/2023)*

Genesee County: Health Department

- Approval of public water connection backflow prevention device

New York State: Department of Environmental Conservation (NYSDEC)

- Solid Waste Management Facility Permit
- Construction Stormwater Discharge Permit

New York State: Department of Environmental Conservation (NYSDEC) Permits Continued

- Multi-Sector General Permit *(Potentially, NYSDEC to confirm)*
- Air Permit

B. Zoning

The proposed parcel is currently zoned 'IP – Industrial Park District'. Permitted uses within this district include "Recyclables Handling and Recovery Facilities" The Project has been designed to meet the zoning requirements for this district but will require a variance for building height. The code allows for a maximum building height of 40-ft. The two digester tanks have a maximum tank height (to top of apparatus) of 83.5-ft exceeding this limit. An area variance will be required from the Town of Batavia to allow construction of the tanks. The variance request is consistent with the surrounding area and other tanks and infrastructure within the Ag-Park, many of which exceed the 40-ft height limit. HP Hood, which is also located in the Ag-Park, was granted a variance to allow a 120-ft high tank. The digester tanks have been located in a low area on the site and a distance from the road and to further reduce their perceived height.

C. Community Services

The Project will benefit the community by providing local employment, expanding public infrastructure, improving the areas carbon footprint and increasing the viability of the Ag-Park and its current and future tenants who provide employment in the community. The Project will provide these benefits without increasing demands on local schools, parks, or public safety.

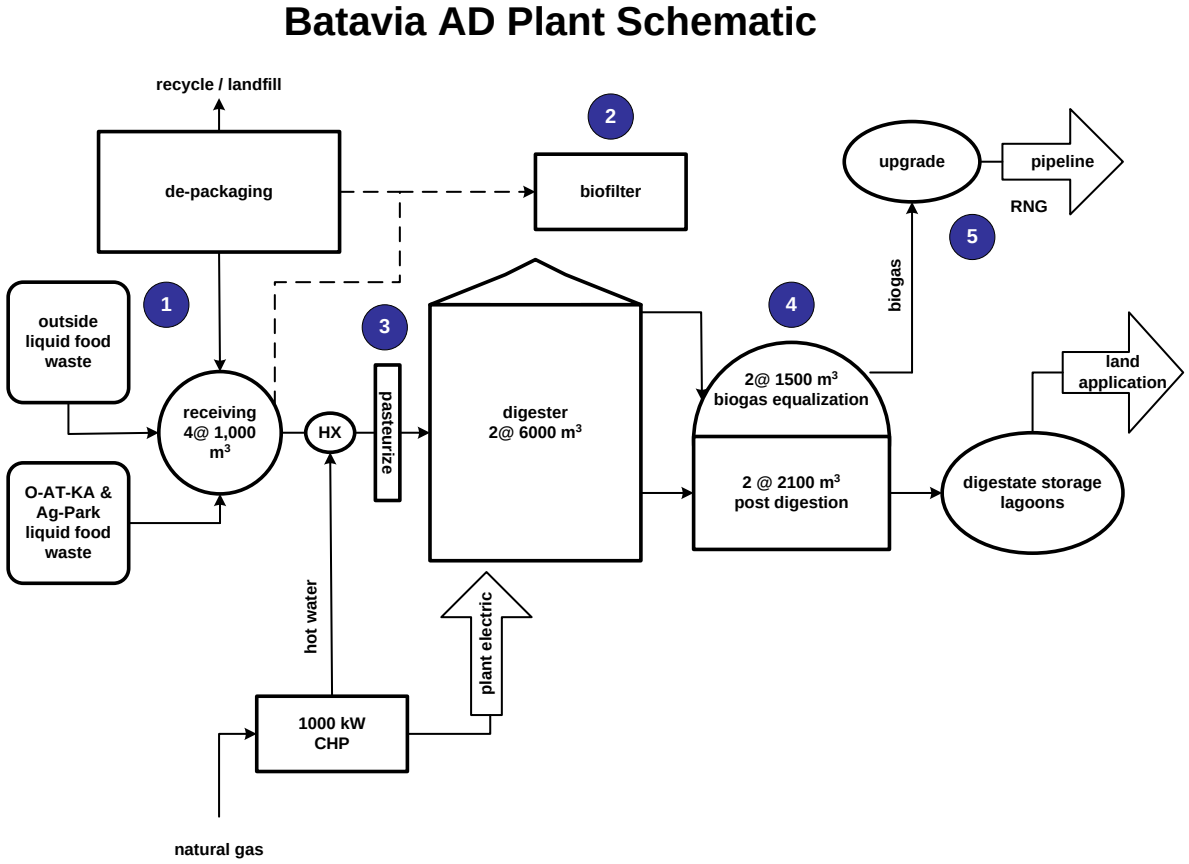
IV. Detailed Process and Operation Description

A. Facility Process and Equipment

A general overview of the process and main components specific to the Genesee Biogas facility are discussed in this section. Refer to 'Figure #1: Biogas Process Overview' on the next page. Greater detail on specific components of the process such as incoming and outgoing waste streams, etc. is provided in subsequent sections.

The Biogas Plant design includes the following features (1) receiving and preparing organic waste for anaerobic digestion, (2) capturing and treating possible odor causing compounds (3) using specific technology to enhance and accelerate the natural process of decomposition and methane production (4) capturing and containing the biogas produced, (5) upgrading biogas to RNG.

Figure #1: Biogas Process Overview



(1) Food manufacturing companies such as O-AT-KA, Upstate Niagara, and HP Hood produce liquid organic waste as part of their processes for producing food and beverage products. Two (2) steel tanks, 36-ft in diameter by 41-ft in height, will be used to receive and store incoming liquid material. There is also one additional steel tank, 36-ft in diameter by 41-ft in height, to be used for mixing or receiving. Liquid organic waste from the Ag-Park may be pumped to the Biogas Plant if the providers prefer this option.

Food processors occasionally have a bad run of product, mislabeled product, or product which due to other factors is determined not suitable to go to market. This material would be delivered by vehicle. Specialized de-packaging equipment located within the receiving building would be used to separate the organic material from the packaging. The organic material would go into the digestion process and the packaging material (i.e. cardboard, cans, plastic) would be recycled to the greatest extent possible.

A ±18,000 S.F. prefabricated metal building is proposed as part of the facility. The building provides a location for truck unloading and de-packaging. The entrance to the building is oriented to the north towards the wooded buffer. The de-packaging building will also contain offices and bathrooms/washrooms facilities for employees and house some of the process equipment.

Air from specific de-packaging areas and the tanks is piped to a biofilter. The biofilter is a two-stage air processing feature to capture and biologically degrade compounds in the air which may

be associated with unpleasant odors.

The biofilter tank is a 30-ft by 60-ft rectangular tank built partially below grade. A blower from the specific de-packaging areas directs air to the scrubber and then to the biofilter which consists of a lattice decking to support odor absorbing material.

(2) As needed, the incoming waste can be heated to approximately 150 ^{o} F for pasteurization to remove pathogens. The pasteurized biomass is directed by enclosed pipeline to one-of-two digester tanks. The digester tanks contain a large agitation "mixer" that slowly stirs the biomass. The tanks are insulated to maintain the optimal temperature for methane production. The system is closely monitored through a 'Supervisory Control and Data Acquisition' ("SCADA") system which provides 24-hr process monitoring that can be accessed remotely.

Three (3) tanks, 35-ft in height are used for the pasteurization process. Pumps for directing biomass through the process are typically located within containers. The digester tanks are steel tanks with stainless steel in the gas section, each approximately 72-ft in diameter and 83.5-ft in height. The tank height vs. diameter ratio is specifically calculated for optimum mixing and biogas production.

(3) After digestion, the material is transferred to a post-digestion tank which allows for the collection of digestate and further release of biogas as the biomass cools. This tank has a flexible inner membrane roof for regulating pressure of biogas to downstream processes. The steel post-digestion tank is approximately 80-ft in diameter and 31-ft in height.

(4) The Biogas Plant is equipped with an enclosed flare to safely dispose of surplus biogas during periods of equipment down time for maintenance. The flare is approximately 24-ft in height and has an enclosed, low-temperature flame. The pilot flame uses natural gas, and the flare has its own control system. The flare is a safety measure required by the NYSDEC and flare specifications meet EPA requirements. The flare has been located on the north side of the site where it will be shielded from view.

(5) The biogas can be converted into renewable natural gas (RNG) or electrical power, and heat. The primary use of the biogas is expected to be the production of RNG which can be injected into National Fuel's gas transmission lines. Biogas requires a refinement process to meet specifications for pipeline injection. The refinement process will be a proprietary system designed and manufactured by a qualified vendor with proven technology. The site layout currently shows a 20-ft by 55-ft "gas cleaning" area to indicate where this equipment is intended to be located.

A more technical explanation of the "gas cleaning" is:

> *For gas cleaning and compression, the plan is to use a membrane upgrading system with pretreatment for H2S and moisture. A reputable vendor such as: Pentair, Air Liquide, or DMT will design, manufacture and provide the system. The system will upgrade the biogas, removing moisture, CO2, O2, N2 and other impurities to produce a concentrated methane gas that meets the gas quality specifications required by the pipeline operator. The vendor will also provide a compressor and any post-air treatment required.*

Carbon Dioxide and Sulfur are captured so they can be recycled. A natural gas fired CHP generator may be installed to provide electricity and heat for on-site use. The generator will be enclosed.

(6) The by-product of the anaerobic digestion process is a liquid digestate and is permitted by Department of Agriculture and/or EPA. The project will permit and build *(as a separate project under a separate application and environmental review)* or utilize existing off-site storage

lagoons until appropriate times when it can be land applied as an organic "pathogen-free" fertilizer under the lagoon owner's operation permit. Some on-site dewatering of the digestate may be done before it's shipped offsite. The de-watering process produces a solids by-product that can be utilized as fertilizer or animal bedding.

One steel tank, the "unload tank", 36-ft in diameter by 41-ft in height is proposed as an equalization tank to hold these solids prior to off-site beneficial reuse.

B. Requirements and Providers of Accepted Source Material

The project will not accept or process human waste such as municipal WTP liquid, sludge or septage. Acceptable source material will be organic, non-hazardous, food grade organic waste.

- O-AT-KA, Upstate Niagara and HOOD operate facilities in the Ag-Park that produce liquid dairy processing residuals which may be delivered by pipeline directly to the Biogas Plant receiving tanks. Refer to 'Figure #1 – Potential Future Pipeline Delivery Depiction' in Appendix A. The Biogas Plant would accept material in a similar fashion from future food processors in the Ag-Park. This method is anticipated to be the primary form of source material delivery to the facility. The piping system will have 24-hr leak detection monitoring through the plant's existing SCADA system. Pressure testing on the lines is a standard procedure that will be performed based on the SCADA system. Any leak detection will be responded to immediately.
- The facility will have the capacity to accept liquid food processing residuals from processors outside the Ag-Park, fats oil and grease (FOG), unsalable packaged foods and source separated food waste (SSO) from sources such as local supermarkets, schools, hospitals, etc. The project intends to prioritize and maintain sufficient capacity at the facility to service increased production from O-AT-KA and current or future Ag-Park tenants.

C. Project By-Product Waste Volume & Composition

It is anticipated that the project will produce approximately 100K gallons per day liquid digestate, or liquid by-product, which will be handled as described above. The by-product is rich in nutrients such as Nitrogen, Phosphorous and Potassium. The composition of these nutrients vary with the incoming feedstock and regular sampling and testing will be performed.

The facility may generate two (2) or more tons per day of solids that can be used as an organic fertilizer or animal bedding.

The de-packaging operation will vary and may produce up to approximately 10 tons per day of material which would be recycled to the greatest extent feasible.

D. User agreement in-place for waste stream

The by-product of the anaerobic digestion process is a called digestate. The project will dispose of this by-product through land application as an organic "pathogen-free" fertilizer. For land application of digestate, the project will utilize existing, appropriately-permitted off-site storage lagoons and apply the digestate to permitted land. This is a common and on-going practice with support from EPA and demand from farmers for a local fertilizer alternative.

Priority will be given towards the beneficial reuse of any of the waste by-products, both solids and liquids. Any solids not used for agricultural purposes and de-packaging that can't be recycled will be disposed of in a landfill. Refer to Appendix D for most information on the existing lagoons anticipated to receive waste from the process.

E. Methane Production

- Methane as RNG is the principal product of the Biogas Plant and is immediately injected into the National Fuel pipeline. During equipment maintenance or periods of over production, methane is flared as described above.
- The project has the potential to reduce greenhouse gas emissions by 25k tons per year

F. Operational Details

- The project is expected to employ 10 FTE workers. The employees will work 2-3 shifts throughout the day around 4-5 workers anticipated to be at the facility at any one time. Initially, the facility may operate with around 4-5 employees and 1-2 shifts of 2-3 people until it reaches full capacity.
- The production of biogas is a continuous biological process. It is expected that the facility will be capable of receiving off-site material and exporting digestate 24 hours per day, 7 days per week.
- Potable water will be used for employee hand wash sinks and bathrooms and for process water and clean-up.
- Other sanitary waste will be from bathroom/shower facilities and office waste.

G. Excavation & Impoundment

- The currently proposed project does not contain any significant impoundment of liquids through earthen berms. The stormwater management facility will have a minor berm of less than 6-ft for the temporary retention of stormwater runoff however this berm height is below the threshold considered by the DEC for dam permitting. Offsite waste lagoons may receive digested from the project but those lagoons are permitted separately and not considered part of this project.
- The site will not have excavations beyond those associated with the site preparation, grading, utility and foundation installations and stormwater management facility.

H. Decommissioning

- With proper maintenance the Biogas Plant will have a useful life of more than 50 years and continue to be valuable to Ag-Park tenants. The technology is designed for on-going operation and is typically transitioned to new operation to ensure its longevity as necessary.
- The operations of the Biogas Plant can be taken in-house by the Ag-Park tenants or another third-party operator can be hired.
- In the unlikely event that the facility would be closed, the value of stainless steel, steel and equipment would exceed the value of demolition.

V. Natural Resources

A. Land Resources

The site has moderate slopes with a low-point in the middle of the site and no significant discharge point off-site. However, the site does not have ponding issues because it is well-drained. According to the Ag-Park EA Report, the soils are mapped by the Genesee County Soil Survey as primarily Palmyra Series. These soils are well-drained and gravelly, formed in glacial outwash. Infiltration rates are typically high. North of the site is a wooded area with soils that contain fines and are poorly drained. The Ag-Park EA Report indicates that several test pits were completed which confirmed the soil survey with significant thickness of sand and gravel over a

majority of the site. For the development of this Biogas Plant, a geotechnical engineer will be retained to perform a sub-soil investigation and report. The report will include recommendations for foundation and pavement design, an approximation of bedrock and groundwater depth, and an infiltration rate to use in the stormwater management facility design. The Genesee County Soil survey also indicates that depth to bedrock and groundwater is greater than 6-ft within the project area.

B. Water Resources

- **Surface Waters -** There are no surface waters on the parcel or directly adjacent to it. North of the project within the wooded area is a small unnamed tributary with no apparent outlet or connection. The project will not disturb or impact the wooded area north of the site and thus will not have an impact on surface waters.
- **Aquifers -** The site is located on a primary aquifer according to the NYSDEC map of primary aquifers. Primary aquifers are defined as "highly productive aquifers presently utilized as sources of water supply by major municipal water supply systems". The Ag-Park EA Report indicates the Ag-Park contains unconsolidated sand and gravel soils, with a water table aquifer at approximately 10-20 feet below existing grade. Even though the site is not located with a Town wellhead protection overlay area, the site being mainly discharged through infiltration would be considered a contributor to the groundwater recharge of the aquifer.

  Aquifer protection was considered in the development of the project and is incorporated in several aspects of the design.

  1. The liquid and gas processing are enclosed and contained to avoid the potential for organic waste source material to contact the ground and potentially the aquifer.
  2. The process will dispose of residential type sanitary waste from bathrooms and hand sinks to a public sewer main instead of onsite septic system.
  3. Stormwater runoff from the facility will be directed to a two-phase stormwater management facility. The first phase will include a permanent retention pool contained with a plastic liner designed to provide pre-treatment and extended treatment to stormwater runoff while preventing infiltration. The second part will include an infiltration basin designed to recharge the aquifer.
  4. The facility will follow Operation and Maintenance Procedures outlined in the Preliminary Emergency Spill Response Plan included in Appendix C. Spill mitigation and response procedures are designed to protect the aquifer.
  5. The facility is designed to function without the use of hazardous wastes which could negatively impact the aquifer. The facility will not import biohazardous material such as manure or animal wastes. The organic food-grade waste source material is not considered by NYSDEC to be a regulated substance for discharge.
- **Floodplains -** According to the 100-year floodplain boundary shown on the Concept Plan included in the FGEIS prepared for the Ag Park, the subject parcel only has a very small portion of the north-west corner within the floodplain. This area is small enough that any development within this portion of the site would not have a noticeable adverse impact on the floodplain and regional flooding. Stormwater management facilities are designed to incorporate infiltration for aquifer recharge and would increase the flood storage volume during a 100-yr flood event.
- **Wetlands -** According to the Ag-Park EA Report, the federal wetland map for the Batavia

South quadrangle shows a Palustrine forested wetland (PF01E) mapped in the wooded portion of the site (which is located north of the Project parcel). On-site review for wetland soil characteristics and significant wetland vegetation did not identify wetland characteristics within the area mapped. The NYSDEC Environmental Resource Mapper also does not show the site as located with a federal or state wetland screening zone or state wetland buffer screening zone.

C. Endangered Species

According to the Ag-Park EA Report, the New York State Natural Heritage Program and US Fish and Wildlife Service were consulted regarding the potential for threatened or endangered species within the project site. Both agencies responded that there are no known occurrences with the State or Federal list of species. The NYSDEC Environmental Resource Mapper also does not show the site as located within a threatened or endangered species screening zone.

D. Agricultural Lands

According to the Ag-Park EA Report, the Ag-Park is entirely within Genesee County Agricultural District #8. Any projects proposed for within the Ag-Park must receive County Planning Board referral. Though the land is currently farmed, it is intended for industrial development by the Town and County.

E. Cultural Resources

The FGEIS includes a Phase I Cultural Resource Investigation for the Proposed Partridge Ag Park, Part of Genesee Valley Agri-Business Park dated May 2008 and prepared by Deuel Archaeology & CRM. The scope of this study is a ±54-acre area of plots formerly owned by Donald Partridge and includes the proposed development parcel. The investigation included a Phase IA research and sensitivity assessment and Phase IB field investigation. The investigation concluded that development within the study area "will not impact anything of cultural significance". The study recommendations were that "No further archaeological investigation is recommended."

VI. Utility Infrastructure & Operation Considerations

F. Water

- The maximum total water usage for daily operations is anticipated to be approximately 600 gallons per day including normal water useage and the potential occasional process water.
- The Biogas Plant requires minimal potable water usage, ~200 gal/day, for employee use in washrooms. This water can be sourced from the local, public water supply and would require that the water main be extended down Ag Park Drive to the Biogas Plant.
- Process water can be used for cleaning and washdown when needed and is estimated as 300-400 gal/day. It can be sourced from Ag-Park tenants or similar processors or from the public water supply. It is not proposed that this water would come from a new well.
- For fire protection, a new private-water service line is proposed along the driveway to serve a new private hydrant at the facility.

G. Liquid & Solid Wastes

- Process liquid waste and domestic (office) sanitary waste will be separated. A small amount of domestic sanitary waste will be pumped into the existing sanitary sewers on Ag Park Drive that convey waste to the City WWTP. Process water will be recycled to the head of the

Biogas Plant. Process waste will be taken to an offsite lagoon and land applied.

- The anticipated volume of waste to the WWTP is estimated using the NYS Design Standards for Intermediate Sized Wastewater Treatment Systems, Table B-3: Typical Per-Unit Hydraulic Loading Rates. A combination of Office Building/Factory use estimates a daily rate of 25 gallons per day per employee. For an anticipated maximum of 10 employees, the maximum sanitary waste directed to the WWTP is estimated to be 250 gallons per day.
- The process liquid waste which will be taken offsite for disposal to a lagoon and then land applied is approximately 130,000 gallons per day.
- Periodically there may be packaged by-product if de-packaging is required. These will be recycled when possible.
- The by-product of the anaerobic digestion process is a liquid digestate and is permitted by Department of Agriculture and/or EPA. The project will have capability to land apply digestate as an organic "pathogen-free" fertilizer or pre-treat digestate to reduce TSS, BOD and Phosphorus levels for discharge to the Batavia WWTP.
- The composition of the digestate varies with the composition of the food grade feedstocks. Typically, the digestate has a high nutrient value that makes it valuable as a fertilizer or soil amendment. This material will be stored off-site at private, permitted lagoons for use during approved land application.

H. Drainage & Stormwater Management

- A small portion of the north-west corner of the existing site currently drains to the north and towards an existing swale/wetland area. The majority of the site drains to a low-point in the central part of the site that has no apparent offsite discharge point. The soils are understood to be sandy and have high infiltration capacity so it is assumed that current runoff from the site is completely infiltrated at this low-point. The proposed project site drainage has been designed to closely mimic existing conditions. Runoff will be collected in a series of culverts, swales and private on-site storm sewer system. A portion of the driveway discharge will sheet flow to adjacent swales that convey it to the north-west property corner. From there it continues in a swale to the north-east and into an existing wetland area. The majority of the drainage from the project area including the east end of the driveway, the parking and operation areas and areas around the tank will be directed to a stormwater management facility.
- Stormwater management at the site will be designed in compliance with the New York State Department of Environmental Conservation (NYSDEC) Stormwater Management Design Manual v2015 and the NYSDEC General Permit for Stormwater Discharges from Construction Activities (GP-0-20-001). The stormwater management facility is anticipated to be a combination of a Wet Pond and an Infiltration Basin. The wet pond will be lined to prevent infiltration and will consist of two pools; a forebay for pretreatment and a deep pool for longer settling. These pools will capture the first-flush of sediments and provide water quality treatment. The wet pond will discharge to an infiltration basin. The infiltration basin will provide runoff volume reduction, water quality volume and aquifer recharge.

I. Air Emissions

- Air emissions including the flare are monitored under the EPA Air permit.
- The Biogas Plant is designed to not produce biogas or methane emissions. These are the primary sources of revenue as a renewable energy source.

J. Methane Generation

- The primary purpose of the Biogas Plant is to enhance the natural decomposition process that results in the release of biogas and compress this gas for use as renewable energy.
- Biogas from anaerobic digestion is typically 65% methane.
- Methane as RNG is the principal product of the Biogas Plant and is used for pipeline injection. During equipment maintenance, methane maybe flared in accordance with the NYSDEC Air Permit.
- The project has the potential to reduce greenhouse gas emissions by 25k tons per year.
- It is estimated that the facility will produce 250,000 mcf of RNG annually.

K. Traffic

- In the initial phases, approximately 66% of the source material will come from within the Ag Park or dedicated pipelines. Since Ag Park waste is currently hauled offsite, approximately 12 truck trips hauling digestate from the facility would not be "new" trips to the Ag-Park but rather replace existing trips after the Biogas facility is inserted into the process. Therefore, of the approximately 34 truck trips per day (new plus 12 existing entering and 12 existing leaving), there will be approximately 10 new truck trips entering and leaving the Ag-Park. Outbound trucking is an alternative to disposal to the material going to the Town's WTTP.
- As the Ag-Park businesses grow and over time provide a larger portion of the source material, in-bound truck trips and thus overall new truck trips will decrease. Pipeline delivery of source material would further reduce truck traffic within the Ag-Park.
- It is estimated that initially the facility will receive approximately 66% of the source material from within the Ag-Park. It is expected that a majority of this material will be delivered by force main piping over time. On occasion material that requires de-packaging will be delivered by truck. Additional liquid material will be from sources outside of the Ag-Park and will be delivered by truck. These loads will be scheduled to have minimal impact on traffic and delivered during reasonable business hours. The trucks take approximately 20-30 minutes to weigh-in, unload material and weight-out. The site includes three truck loading spaces. Periodically, de-packaged by-product may be hauled to recycling or an offsite landfill as needed. Tanker trucks will haul the liquid digestate offsite to a lagoon for subsequent land application. These loads will be scheduled during reasonable business hours. The total anticipated initial daily truck traffic is anticipated as less than one truck an hour per day on daily average. The onsite receiving, mixing and unloading tanks create buffer in the system that allows for flexibility in truck scheduling. As the Ag-Park grows with new tenants who may provide source material and existing tenants expand their production resulting in greater quantities of source material, less material will be accepted from sources outside of the Ag-Park. The material received from within the Ag-Park is primarily delivered by pipeline so this would reduce the anticipated truck loads to the site.

  Vehicle traffic to the Biogas Plant will primarily be personnel and maintenance support and is not considered substantial enough to impact the surrounding region.
- The traffic thresholds stated in the FGEIS are not exceeded. Based on the concept plan in the FGEIS, it is not believed that the total Phase I and Phase II building square footage exceeds 1.65 million square feet but this will need to be confirmed by the Town of Batavia. The park already has an existing roadway connection to NYS Route 63 and this project will not propose any changes to the Ag Park connection to state routes.

L. Energy Demand

- It is estimated that the facility will produce 250,000 mcf of RNG annually and consume 60,000 mcf natural gas annually for onsite operations.
- The facility may have an on-site generator to provide electricity and heat for operations. It is estimated that 600 MWh per year could be required from the utility during generator down time.
- Natural gas will be supplied by National Fuels and electricity by NGRID.

M. Noise

- The baseline ambient noise level for the area is estimated to be in the range of 30-40 decimals with occasional spikes to 90-100 decimals. This is based on the assumption of quiet rural area ambient noise with infrequent farm tractor, garbage truck or diesel truck noises. The facility will not increase ambient noise levels (with occasional increases) in the region from distances at Route 5 due to noise mitigation procedures onsite and dissipation of noise over the distance between the facility and Route 5.
- Controlling noise for the public is a priority for Genesee Biogas LLC and the manufactures that supply the equipment.
- Noise-producing processing equipment, like the engine and compressor, will be contained to dampen noise and vibration in compliance with EPA and DEC noise level requirements.

  DEC sound limits (6 CRR-NY 360.19 (j)) for non-vehicle use is measured at the property perimeter. The Biogas Plant is located a distance of 820-ft or greater to the West Ag-Park Road property line which is the most common point of contact between the facility and the public. To the north and south property lines are wooded buffers and electrical transmission lines that do not allow access to the public. To the east, noise-related process equipment, like the engine and compressor, is more than 300-ft from this property line.

  Since noise dissipates over distance, the location of the process equipment relative to the property line reduces the noise levels to well below the DEC sound limits for Suburban communities of 52-62dB. To note, the onsite noise is also minimal. The decibel level at 32ft from, or relatively just outside, the engine and compressor, is 65 decibels which is considered 'fairly quiet' as in the equivalent of average conversational speech and 75 decibels which is considered equivalent to a dishwasher, as specified by their manufacturers respectively.
- The design of the Biogas Plant includes several receiving and holding tanks which allow for more flexibility in truck scheduling. As such, truck noise will be mitigated by scheduling the delivery of loads during reasonable business hours. The site has also been designed to provide efficient loading and unloading systems on the north side of the building and site to minimize truck time on-site.

N. Odor

- Current odors in the area are generally minimal and when identified are typically "recognizable" odors attributed to a specific source and incident or weather condition. The facility will not increase existing ambient odors in the area through the design of the process and the odor mitigation plan.
- The Genesee Biogas Plant will have several measures in-place to mitigate potential odors which is different from small, commonly seen digesters.

- The main factor which will mitigate smells is the primary use of organic food waste in the system as opposed to incorporating manure into the source material. The food grade waste as a start does not have the strong smells associated with animal waste.

  Another factor is that the liquid and gas process streams are enclosed from receiving to final digestate handling. By preventing air from being released, odors are minimized. This is different from the current biogas plant owned by Genesee Biogas' parent company CH4 Biogas which is located on a farm, not an entirely enclosed system and utilizes manure in its source material.

  Another potential cause of odors is in the unloading of source material. The main factor in mitigating this is using force main for the majority of material deliveries extending the "enclosed" process. Liquid source material delivered by truck will be pumped directly into the receiving tanks through cam-lock fittings. For non-liquid material delivered by truck and for material requiring de-packaging, de-packaging will occur within the building. This portion of the building will utilize a forced air system to direct air to a biofilter system.

  A biofilter is an air pollution control system that captures and biologically degrades air. The biofilter proposed for the Genesee Biogas site is a more sophisticated version of a standard biofilter because it will be a 2-stage verses single-stage system. The first stage utilizes two scrubbers for refined air quality and the second stage uses a filter media to biologically degrade air pollutants.
- The plant location on the subject parcel is set-back as far as possible from the West Ag-Park Drive and surrounding residents. This was intentionally done as a final mitigation measure for odor, noise and visibility to provide the greatest separation feasible from the Biogas operation.
- The NYSDEC closely monitors potential emissions into the air from processes or operations to comply with the Federal Clean Air Act. The Biogas Plant's compliance with this permit requires the following:

  -Recording air pollution control requirements
  -Tracking emissions and controls
  -Monitoring, testing and record keeping
  -Annual certification

O. <u>Bulk Storage of Chemicals</u>

- The Biogas Plant's primary material handling is for food-grade waste residuals. No bulk storage of chemicals is expected on site.
- Bulk use of chemicals is not part of regular, planned operation and any use of chemicals will be in line with industry standard and manufacture recommendation.

P. <u>Solid Wastes</u>

- The Biogas Plant system is a liquid system where the waste material is piped through a closed system. The primary waste material is food-grade waste residuals with overall a low percent solids.
- Should any de-packing be required, the resultant de-packaged by-product will be hauled to recycling or an offsite landfill as needed.

Q. <u>Hazardous Wastes & Emergency Response</u>

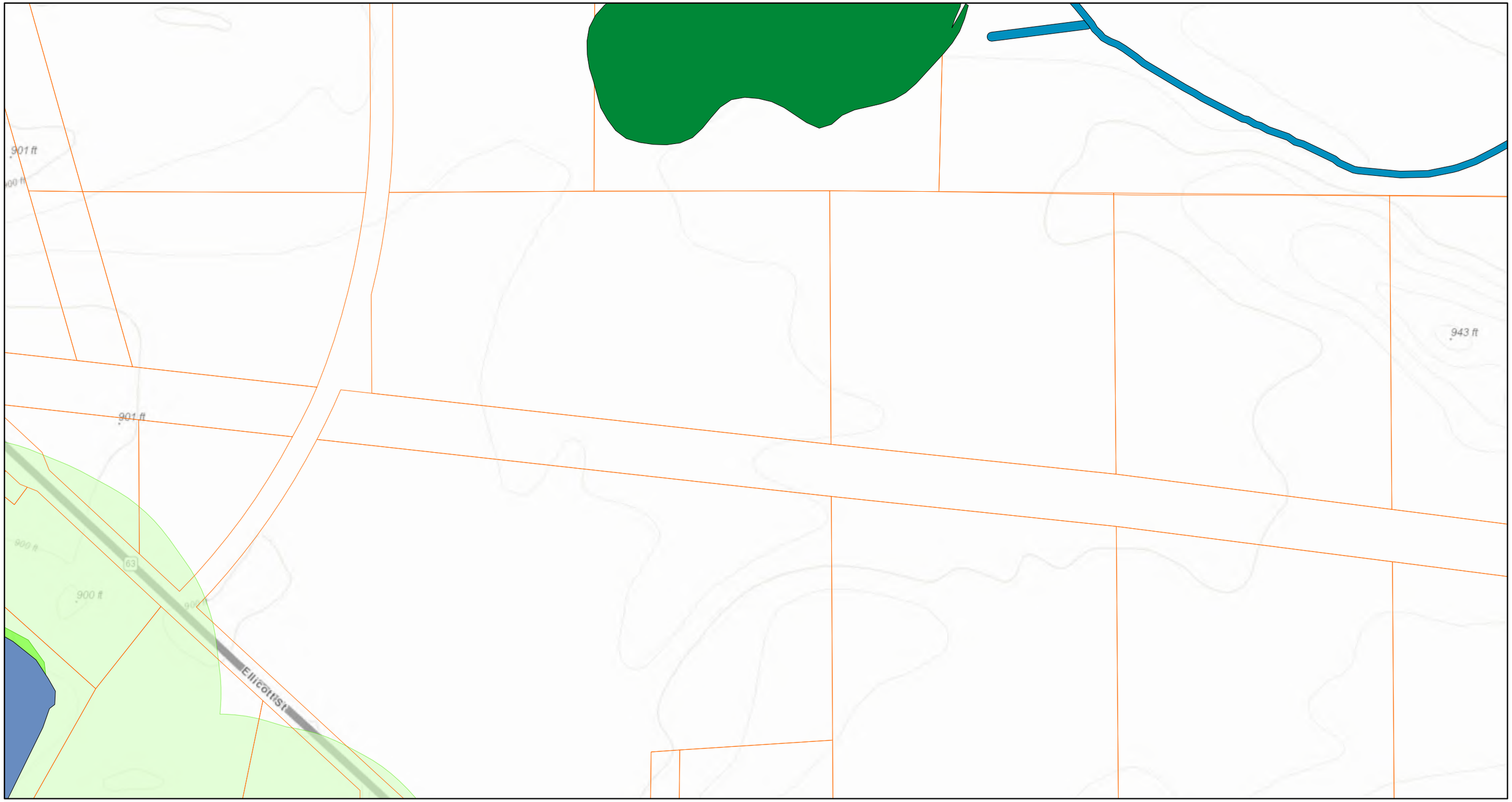
- The anaerobic digestion process is a biological process using natural bacteria for the

breakdown of organic, food grade wastes.

- The Biogas Plant is not designed for the processing or handling of hazardous wastes.
- There are no significant impacts to public services, police, fire, EMS as the facility does not pose a potential for explosions or require specific response processes or equipment.
- There is no methane storage on site. The membrane enclosures over the post-digestion tanks regulate gas pressure to feed downstream processing, Methane from upgrading of biogas is immediately injected into the public gas pipeline.
- The facility does not present a potential hazard to human health as it will not contain, handle or produce toxic gas, odors, chemicals, etc. that humans may come into contact with. Anaerobic digestion is an enclosed process.

APPENDIX A

Environmental Resource Mapper



May 25, 2023

1:4,514

0 0.04 0.08 0.16 mi

0 0.05 0.1 0.2 km

Province of Ontario, Ontario MNR, Esri Canada, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA

NYS Department of Environmental Conservation
Not a legal document

United States Department of Agriculture

NRCS

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for Genesee County, New York

April 20, 2023

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (https://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

The U.S. Department of Agriculture (USDA) prohibits discrimination in all its programs and activities on the basis of race, color, national origin, age, disability, and where applicable, sex, marital status, familial status, parental status, religion, sexual orientation, genetic information, political beliefs, reprisal, or because all or a part of an individual's income is derived from any public assistance program. (Not all prohibited bases apply to all programs.) Persons with disabilities who require

alternative means for communication of program information (Braille, large print, audiotape, etc.) should contact USDA's TARGET Center at (202) 720-2600 (voice and TDD). To file a complaint of discrimination, write to USDA, Director, Office of Civil Rights, 1400 Independence Avenue, S.W., Washington, D.C. 20250-9410 or call (800) 795-3272 (voice) or (202) 720-6382 (TDD). USDA is an equal opportunity provider and employer.

Contents

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map

Map Scale: 1:2,370 if printed on A landscape (11" x 8.5") sheet.

N

Meters: 0 35 70 140 210

Feet: 0 100 200 400 600

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Genesee County, New York
Survey Area Data: Version 23, Sep 10, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Jun 15, 2020—Jun 17, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PhA	Palmyra gravelly loam, 0 to 3 percent slopes	13.4	65.0%
PhB	Palmyra gravelly loam, 3 to 8 percent slopes	7.2	35.0%
Totals for Area of Interest		**20.5**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however,

onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Genesee County, New York

PhA—Palmyra gravelly loam, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: p7s2
Elevation: 660 to 1,150 feet
Mean annual precipitation: 31 to 38 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 140 to 175 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Palmyra and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Palmyra

Setting

Landform: Deltas, terraces, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy over sandy and gravelly glaciofluvial deposits, derived mainly from limestone and other sedimentary rocks

Typical profile

H1 - 0 to 12 inches: gravelly loam
H2 - 12 to 29 inches: gravelly clay loam
H3 - 29 to 72 inches: stratified very gravelly sand to fine sand

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 1
Hydrologic Soil Group: A
Ecological site: F101XY005NY - Dry Outwash
Hydric soil rating: No

Minor Components

Arkport

Percent of map unit: 5 percent

Hydric soil rating: No

Dunkirk

Percent of map unit: 5 percent
Hydric soil rating: No

Fredon

Percent of map unit: 5 percent
Hydric soil rating: No

Phelps

Percent of map unit: 5 percent
Hydric soil rating: No

PhB—Palmyra gravelly loam, 3 to 8 percent slopes

Map Unit Setting

National map unit symbol: p7s5
Elevation: 570 to 1,250 feet
Mean annual precipitation: 31 to 38 inches
Mean annual air temperature: 46 to 50 degrees F
Frost-free period: 140 to 175 days
Farmland classification: All areas are prime farmland

Map Unit Composition

Palmyra and similar soils: 80 percent
Minor components: 20 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Palmyra

Setting

Landform: Terraces, deltas, outwash plains
Landform position (two-dimensional): Summit
Landform position (three-dimensional): Tread
Down-slope shape: Convex
Across-slope shape: Convex
Parent material: Loamy over sandy and gravelly glaciofluvial deposits, derived mainly from limestone and other sedimentary rocks

Typical profile

H1 - 0 to 12 inches: gravelly loam
H2 - 12 to 29 inches: gravelly clay loam
H3 - 29 to 72 inches: stratified very gravelly sand to fine sand

Properties and qualities

Slope: 3 to 8 percent
Depth to restrictive feature: More than 80 inches
Drainage class: Well drained
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.57 to 5.95 in/hr)
Depth to water table: More than 80 inches

Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Available water supply, 0 to 60 inches: Low (about 4.5 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 2e
Hydrologic Soil Group: A
Ecological site: F101XY005NY - Dry Outwash
Hydric soil rating: No

Minor Components

Arkport

Percent of map unit: 5 percent
Hydric soil rating: No

Dunkirk

Percent of map unit: 5 percent
Hydric soil rating: No

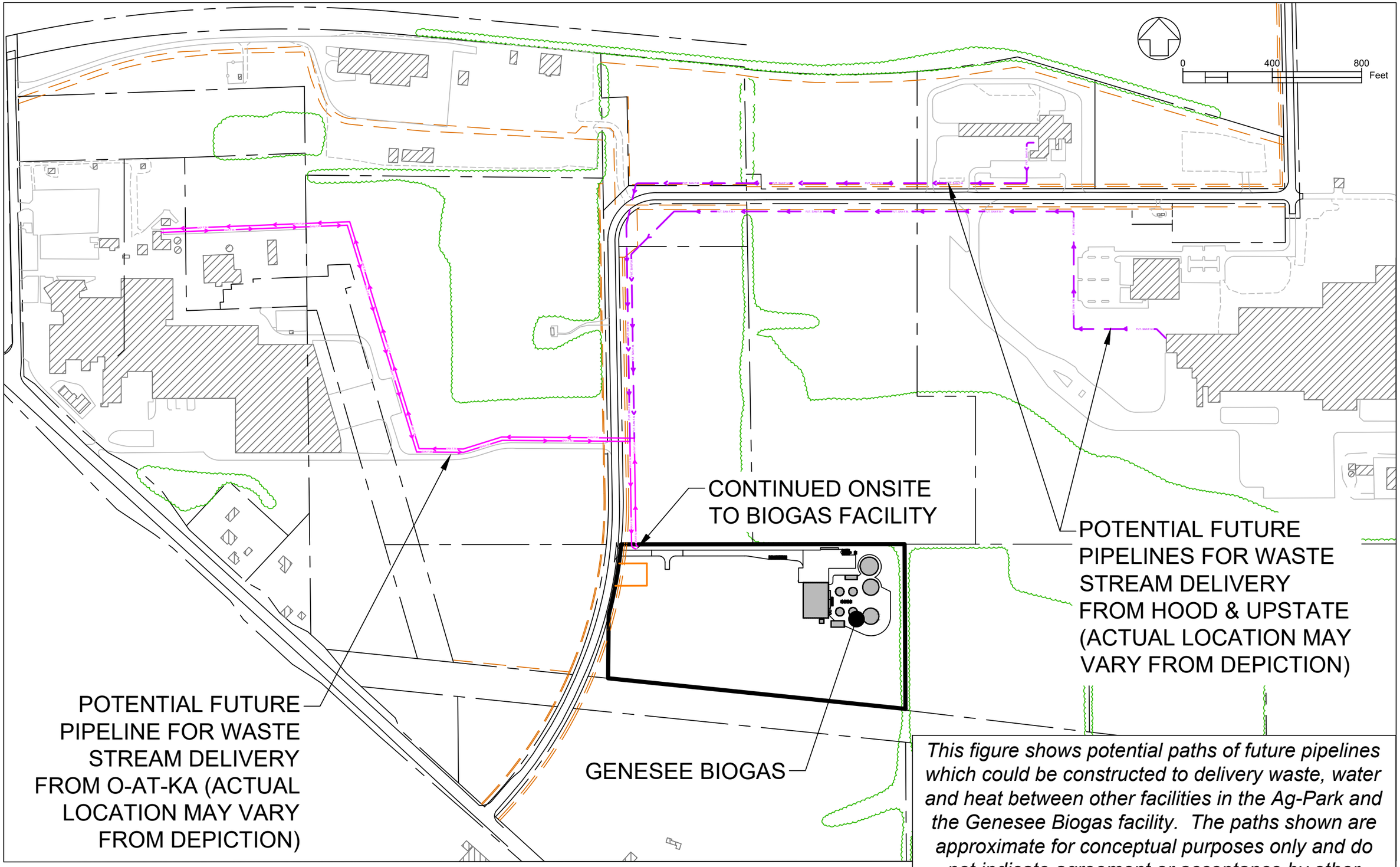
Phelps

Percent of map unit: 5 percent
Hydric soil rating: No

Fredon

Percent of map unit: 5 percent
Hydric soil rating: No

FIGURE #1 - POTENTIAL FUTURE PIPELINE DELIVERY DEPICTION



This figure shows potential paths of future pipelines which could be constructed to delivery waste, water and heat between other facilities in the Ag-Park and the Genesee Biogas facility. The paths shown are approximate for conceptual purposes only and do not indicate agreement or acceptance by other facilities or land owners.

APPENDIX B

GENESEE BIOGAS

Agri-Business Park Final Generic Impact Statement Responses

For Proposed Genesee Biogas

Located on West Ag-Park Road,
In the Agri-Business Industrial Park
Town of Batavia, Genesee County, New York

December 5, 2023

Prepared By:

Genesee Biogas, LLC
30 Lakewood Circle North
Greenwich, CT 06830

&

Pinewoods Engineering
42 Aston Villa
North Chili, NY 14514

Table of Contents

1.0 INTRODUCTION

A "Final Generic Environmental Impact Statement Genesee Valley Agri-Business Park, Town of Batavia, Genesee County, New York", not dated, was prepared by Clark Patterson Lee. The purpose of the "The Final Generic Environmental Impact Statement" (FGEIS) was to satisfy the State Environmental Quality Review Act (SEQR) regulations in 6 NYCRR Part 617.9(5) for the initial Agri-Business Park (Park) development. The FGEIS is to be used and considered by interested and involved agencies when considering impacts of proposed projects within the Park. The relevant portions of the document are summarized herein and responses to how the proposed Genesee Biogas aligns with the original intent of the FGEIS are included. The sections and headers are set to match the original FGEIS for cross-reference.

2.0 RESPONSES TO PUBLIC AGENCY COMMENTS

2.1 Genesee County Planning Department Comments

1. Town home Use – N/A

2. Farmland Protection – Per FGEIS: Met by centralizing Ag related industry in one location [Ag Park]

3. Wetlands may be part of recharge areas to City aquifer – Wetlands are not impacted by the project.

4. Buffering to residences on Haven Lane and Rollin Circle as part of Site Design & Site Plan Review – Project site is not adjacent to these residences.

5. Historic Resources, project should follow recommendations or requirements from New York State Historic Preservation Office based on final findings report – The FGEIS includes a Phase I Cultural Resource Investigation for the Proposed Partridge Ag Park, Part of Genesee Valley Agri-Business Park dated May 2008 and prepared by Deuel Archaeology & CRM. The scope of this study is a ±54-acre area of plots formerly owned by Donald Partridge and includes the proposed development parcel. The investigation included a Phase IA research and sensitivity assessment and Phase IB field investigation. The investigation concluded that development within the study area "will not impact anything of cultural significance". The study recommendations were that "No further archaeological investigation is recommended."

6. DGEIS establishes threshold and approach for the Town to handle proposed developments that are likely to generate significant odors. – See section 4.10.1 of this document for the FGEIS individual project requirements related to odors and how this project meets them.

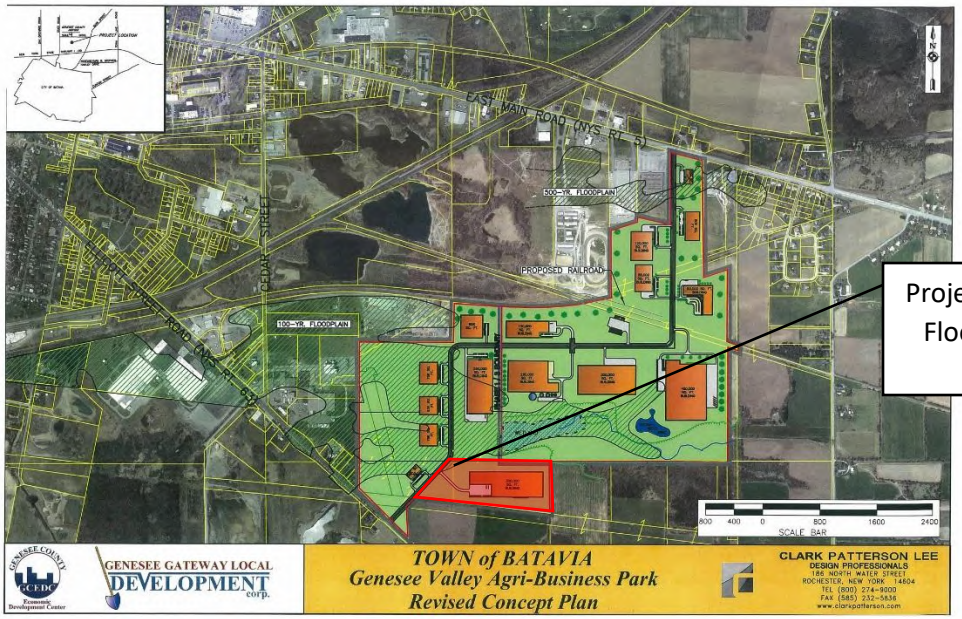
7. Town of Batavia Planning Board to set forth specific requirements of the odor mitigation plan as part of the site plan review process – See section 4.10.1 of this document for the FGEIS individual project requirements related to odors and how this project meets them.

8. Preservation of Agricultural Land – Per FGEIS: Met by centralizing Ag related industry in one location [Ag Park]

9. Each development should evaluate the seasonably high-water table and comply with wellhead protection requirements. During the review process, the Town may evaluate groundwater quality concerns and establish criteria to further protect groundwater – As the project design advances, the owner will obtain a geotechnical consultant's evaluation of the site and part of that scope will be an opinion on the elevation of the seasonably high-water table. The project will be designed to meet the NYSDEC separation requirement as they relate to stormwater management facilities and applicable criteria of the Town of Batavia wellhead protection requirements required by the Town Engineer.

10. Traffic Impact Assessment should be done to determine if thresholds established in FGEIS are met and if transportation improvements are needed – It is the responsibility of the Town of Batavia to conduct a traffic assessment to determine in the traffic thresholds in the FGEIS are met which require transportation improvements. The thresholds and details of the traffic impact assessment are described in further detail in section 4.8.3 of this document and the FGEIS.

11. The 100-yr floodplain elevation is 896 feet, developments within the floodplain will require a Floodplain Development Permit from the Town of Batavia and during the permit review, The Town will ensure that concerns related to impacts to the aquifer are addressed and that stormwater management facilities are designed and implemented to mitigate stormwater quantity and quality out-letting to the non-jurisdictional wetland or existing drainage ditch. The development will also need to comply with well-head protection requirements. – According to the 100-year floodplain boundary shown on the Concept Plan included in the FGEIS, the subject parcel only has a very small portion of the north-west corner within the floodplain. This area is small enough that any development within this portion of the site would not have a noticeable adverse impact on the floodplain and regional flooding. Stormwater management facilities are designed to incorporate infiltration for aquifer recharge and would increase the flood storage volume during a 100-yr flood event. The project will be designed to comply with applicable criteria of the Town of Batavia wellhead protection requirements required by the Town Engineer.



Project Site and 100-yr Floodplain in north-west corner

2.2 Town of Batavia Comments

1. Use "Agri" to clarify park will be utilized for agricultural related businesses and manufacturers. – N/A

2. Increased water and sewer use revenues would be applied to increased operation and maintenance of the system. – N/A

3. Increased traffic is an unavoidable impact and considerations for minimizing and mitigating increased threats to groundwater will address this potential concern. – Statement in FGEIS, no response required

4. Note that Genesee County Agricultural Society Fairgrounds and Racetrack directly border the site – N/A

5. The DGEIS provides possible land usage, a 75% maximum impervious area is presented in this document to exceed the Town code requirement of 85% maximum impervious as a potential way to mitigate unavoidable impacts. – The project currently has a proposed impervious area of ±10%. If ground surface areas that will have gravel drainage cover are included, the approximate maximum "impervious area" would be ±20% which is still far below the FGEIS's project possible land usage.

6. Zoning of park is Commercial and Industrial Park – N/A

7. The Town and NYSDEC may require that individual developments meet industrial stormwater requirements during site plan review if there is an increased concern for groundwater impacts. – The project has had an initial pre-application meeting with the NYSDEC to introduce them to the project however the NYSDEC will require an initial permit application or SEQR coordinated review to fully determine is an industrial stormwater permit (MSGP Permit) is required for operations. If this permit is required, the developer will obtain it prior to commencing with operation of the facility and if the permit it not required by the NYSDEC, the developer will work with the Town of Batavia to address potential concerns for groundwater impacts.

8. The finalized archeological report is included in Appendix 5 of the FGEIS – The project site is included in the scope of one of the reports. Refer to section 4.6.3 of this document and the FGEIS.

9. Alternative locations considered for Agri-Business Park – N/A

10. The Town of Batavia purchased approximately 300,000 gallons per day of water from Genesee County, not Monroe County – N/A

11. FGEIS has an allotment of 614,000 GPD to the Agri-Business Park which does not consider developments outside of the Park – FGEIS response states that there is sufficient water capacity to serve the Agri-Business Park and surrounding area.

2.3 Conestoga-Rovers & Associates on behalf of the City of Batavia

1. Excess capacity of the City Wastewater Treatment Plant cannot be determined until receipt of an application for approval of a specific use. The Town and City of Batavia will both be involved in approving sanitary sewer usage based on their sewer use agreement and the Town will approve

water usage based on their agreement with Genesee County. – The only sanitary waste which is proposed to be directed to the City of Batavia's wastewater treatment plant is a small amount of office-related waste (bathrooms, sinks and shower) from employee comfort facilities (±250 gal. per day). No process waste from the facility will be directed to the plant. The project will obtain all necessary permits from the Town of Batavia for potable water needs.

2. Any direct connections or upgrades to the City of Batavia's facilities will require their approval. The Town of Batavia will need to approve any connections to the Route 5 watermain and Genesee County will need to approve any connections to the existing raw water wellhead. Both the Town and City are approval authorities for the sanity sewer connection. – No direct connections to the City of Batavia facilities are proposed. A connection to the Town of Batavia's watermain on Route 63 and the at the Town's pump station for the Town-owned 8-inch sanitary forcemain along West Ag Park Drive within the park heading west to Cedar Street are proposed. A well is not proposed for the project. The project will attempt to utilize recycled process water from it's operations and other operations within the Agri-Business Park to the greatest extent reasonable.

3. The City of Batavia must approve any upgrades or direct connections to their facilities however there may be options where connection to the existing pump station may not be necessary and the existing 30-inch gravity sanitary sewer that the existing pump station discharges to likely has ample excess capacity for a direct Agri-Business Park forcemain connection. – The project does not propose upgrade to any city facilities and will contribute a small amount of office-related sanitary waste to the conveyance systems. The waste is well within the quantities planned and anticipated for the Park.

2.4 New York State Department of Environmental Conservation

1. FGEIS includes a SEQR positive declaration – N/A

2. FGEIS includes a complete wetland delineation report. Wetlands in Phase I are not to be disturbed and wetland delineation and permitting would be required if development is proposed in Phase III of the Park. – The project does not propose to disturb any delineated/jurisdictional wetlands.

3. The FGEIS concept plan depicts the 7-acre isolated wetlands to fully avoid development, woods areas to have the minimal development possible and development within the bounds of the 100-yr floodplains to be appropriately mitigated and permitted since these areas offer value as an aquifer recharge. Stormwater management facilities will be designed for the overall Agri-Business Park assuming development of up to 50% impervious and typical stormwater pollutants. Individual developments will need to provide additional measures if impervious exceeds 50% or if additional quality mitigation measures are needed due to the increased concern for wellhead contamination. Stormwater management facilities will mitigate floodplain concerns. – The proposed development will not exceed 50% impervious area. It will include stormwater management facilities to meet current permit requirements of providing Runoff Reduction Volume (RRv) which are not provided for in existing stormwater management facilities. The stormwater management practices will also contribute towards 100-yr floodplain impact mitigation and groundwater recharge. Woods and wetlands have both been avoided for development.

4. Consideration of a reduced size park/SEQR scope – N/A

5. Appendix 5 of the FGEIS contains an archaeological investigation report, recommendations and requirements of this report must be implemented. – The Phase I Cultural Resource Investigation for the Proposed Partridge Ag Park, Part of Genesee Valley Agri-Business Park dated May 2008 and prepared by Deuel Archaeology & CRM includes the proposed development parcel. The investigation concluded that development within the study area "will not impact anything of cultural significance". The study recommendations were that "No further archaeological investigation is recommended."

6. The EAF indicates up to 2 million gallons per day of water could be drawn from the primary aquifer for use in the Agri-Business Park however the DGEIS states that the primary water supply will be a public water supply from NYS Route 5. There is adequate water from this source for the Agri-Business Park and surrounding developments. The anticipated Agri-Business Park development would use approximately 1,000 gallons per day or less and would be required to obtain a water supply permit. Any proposed connection and draw from the wellhead will require an excess capacity evaluation and supplemental review. The cost to implement the raw water supply review and to construct the supply system would be borne by the project sponsor and/or the individual Agri-Business Park businesses. – The proposed development has a maximum anticipated water usage of 600 gallons per day which is far less than the FGEIS approximated use of 1,000 gallons per day per development. The primary water supply would be a public extension of the water main south along West Ag Park Drive to the project site. The existing 12-inch public main comes from a connection to the watermain in Route 5. The project will obtain a water supply permit from the Town of Batavia. The project does not propose a well.

7. Wetland disturbance avoidance and minimal wooded area disturbance are considered adequate for avoiding endangered and threatened species concerns and the need for specific field surveys. – The project avoids disturbing wetlands and wooded area to a large extent therefore any potential impacts to threatened or endangered species are considered to be mitigated. The development area is currently used for agricultural purposes.

8. Aquifer protection should be reviewed during the Site Plan review process and in accordance with the DGEIS. The Town may pose additional requirements on developments which have an increased concern for contamination. – This is a completely enclosed process as a protective measure for aquifer contamination. If a NYSDEC Industrial Stormwater Permit (MSGP General Permit) is required, this permit will include requirements for continuous sampling/monitoring/record-keeping and recording. The SWPPP developed for compliance with this Permit would include an emergency spill response and clean-up plan. If the MSGP Permit is determined to not be required by the NYSDEC, it is anticipated that the Town of Batavia will require an emergency spill response and clean-up plan therefore a preliminary draft plan is included in the SEQR Supplemental Report. It is assumed that a version of this plan will be included in a final engineering report or specification prepared for the project which is part of the site plan approval documents. The developer will continue to work with the Town of Batavia (and the NYSDEC if applicable) to finalize this plan.

9. Stormwater management facilities are designed to mitigate for water quality, channel protection and water quantity for up to 50% impervious area. Individual developments with more than 50% impervious would be required to provide additional stormwater management measures. Individual developments may also be required by the Town of Batavia during the site plan review process to meet industrial stormwater quality requirements if due to the nature of their business, there is increased concern for contamination of the wetland or wellhead. – The project will not have greater than a 50% impervious area but will be required to provide Runoff Reduction Volume (RRv) onsite as this stormwater requirement is not provided in the existing constructed stormwater facilities for the project. The project does not appear to meet the SIC codes which required coverage under the NYSDEC MSGP Industrial Stormwater Permit however this will need to be verified and concurred by the NYSDEC. The project does not deal with hazardous waste, only organic food-grade waste. The process is fully enclosed mitigating concerns for contamination of wetlands or wellhead sources.

10. Consideration for projects that would require a supplemental SEQR review. The Town oversight during review would reveal a potentially significant specific impact and determination that an established threshold has been exceeded, which would trigger a supplemental EIS. – The project does not propose any environmental or social impacts that are not adequately covered under the FGEIS and that are outside of the anticipated development or framework created by the FGEIS. The FGEIS is intentionally a generic document meant to be flexible and cover a variety of industrial developments. The thresholds it sets are meant to identify projects outside of it's framework. The Town of Batavia will ultimately be responsible for determining if any of the thresholds are exceeded or if a supplemental EIS is warranted.

11. The Town must determine when a Supplemental Environmental Impact State would be required however the FGEIS is developed to allow businesses that do not have significant specific impacts to develop in the Agri-Business Park without additional environmental review and guide when a supplemental EIS is required. – The Town of Batavia is responsible for determining if the project falls within the thresholds and assumed development covered under the FGEIS and concluding that a supplemental EIS would not be warranted.

2.5 New York State Department of Transportation

1. Town of Batavia for lead agency concurrence. – N/A

2. Any work in the state right-of-way will require a work permit from the DOT. The NYSDOT should be included in a SEQR coordinated review. – The project does not propose any work within the state right-of-way.

3. A Supplemental Traffic analysis should be prepared to supplement the one included in the DGEIS for Phase I if the thresholds established in the DGEIS are exceeded, or an access road to NYS Route 63 is proposed or the developments of Phase II or Phase III commence. – The thresholds in the DGEIS are not believed to be exceeded, the access road to NYS Route 63 is already constructed and this development is within the Phase I area. The Town of Batavia will need to confirm this.

3.0 GENERIC ENVIRONMENTAL IMPACT STATEMENT

3.4.2 Thresholds

Project Boundary – Within the current Genesee Valley Agri-Business Park boundary

RESPONSE: This threshold is not exceeded as the project is proposed entirely within the current bounds of the Agri-Business Park.

Significant Alterations to Site Configuration – No significant alterations to the proposed sequence of development, the proposed percentage of developed land, internal roadway configurations, connections to NYS Route 5 or the stormwater management facilities.

RESPONSE: This threshold is not exceeded by this project as no significant alterations to the Agri-Business Park are proposed as outlined in the FGEIS with respect to sequence of development, impervious area percentage, internal roadways, external connections or stormwater management facilities. The Town of Batavia will need to confirm that the threshold for the overall park is not exceeded.

Water – Proposed water usage threshold of the Park is at or below 614,000 gpd.

RESPONSE: This threshold is not believed to be exceeded. This project will have a very small addition of ±200 gallons per day (normal daily use) and occasional maximum of ±600 gallons per day to the Park proposed water usage which is well below the approximated individual water usage of 1,000 gallons per day used in the FGEIS.

Sanitary Sewer – 1. Proposed wastewater treatment plant sewage threshold of 614,000 gpd
2. 8" Route 5 gravity sewer connection with appropriate Clinton Street Pump Station upgrade threshold of 300,000 gpd.
3. Clinton Street Pump Station connection with appropriate Pump Station upgrade threshold of 614,000 gpd.

RESPONSE: This threshold is not believed to be exceed but will need to be confirmed by the Town of Batavia. This project will have a very small addition of ±250 average gallons per day of sanitary waste (based on 25 gpd per employee and 10 employees). That would be directed to the existing sewer conveyance system and wastewater treatment plans. This waste would be directed to the existing 8-inch sanitary forcemain with the Ag-Park at the current HOOD site that conveys flows westerly towards Route 5. The sanitary waste contribution from this project is negligible (less than 1%) of the total anticipated sanitary waste from the Ag-Park quoted in the FGEIS and also less than 1% of the flow threshold of the Clinton Street Pump Station for which an upgrade would be required.

Traffic – 1. If thresholds in Traffic Impact Assessment reached
2. Total Phase I and Phase III building square footage exceeds 1.65 million square feet
3. If a roadway connection to NYS Route 63 is proposed

RESPONSE: Based on the concept plan in the FGEIS, it is not believed that the total Phase I and Phase II building square footage exceeds 1.65 million square feet but this will need to be

confirmed by the Town of Batavia. The park already has an existing roadway connection to NYS Route 63 and this project will not propose any changes to the Ag Park connection to state routes.

Zoning Requirements – developments meet the zoning requirements for the Commercial and Industrial Park District (the need for a supplemental GEIS is based on the discretion of the approving boards).

RESPONSE: The project meets the zoning requirements for the Commercial and Industrial Park District with the exception of requiring a height variance for tank height. The variance request was conditionally granted by the Town of Batavia Zoning Board of Appeals (ZBA) on May 15, 2023. The ZBA felt the tank height was reasonable for the Ag-Park and aligned with other height variances granted for developments in the Park.

Noise and Odor – See Section 4.10, projects must document anticipated noise and odor levels as part of the site plan approval process

RESPONSE: The facility has extensive measures built into the design and operation to control odors and noise. This is explained in detail in the Supplemental SEQR Report in sections VI.M & N. These sections of the report include anticipated noise and odor levels and how they were derived.

Public Heath and Safety – development should not require storage of hazardous substances or produce hazardous waste that exceeds the limits defined in the Town's zoning code.

RESPONSE: The facility will only accept food-grade waste as source material and this processed material becomes the byproduct. Waste is not "produced" by the facility. The plant is not designed for the processing or handling of hazardous waste.

4.0 ENVIRONMENTAL CONDITIONS AND IMPACTS

4.2.3 Proposed Mitigation – Water Resources

Each site owner will need to identify the location of the seasonally high water table on each site to determine whether proposed construction will impact it. Geotechnical reporting will be required as part of the site plan review process. Individual development will need to meet Town of Batavia and NYSDEC wellhead protection requirements.

RESPONSE: A geotechnical consultant will be retained to do a subsurface investigation at the site and provide an opinion as to the elevation of the seasonally high-water table. This information will be used to ensure facilities onsite are designed with adequate separation from groundwater and in accordance with the applicable wellhead protection requirements.

4.3.3 Proposed Mitigation – Plant and Animal Resources

An effort will be made to preserve trees where possible to minimize tree disturbance. Also site plan review for individual developments within the park will include landscape requirements.

RESPONSE: The proposed project has been designed to preserve trees to the greatest extent possible and has minimal-to-none tree disturbance. A landscape plan has been submitted to the Town of Batavia for review and acceptance as part of the site plan review.

4.4.3 Proposed Mitigation – Agricultural Land Resources

The loss of tillable acreage is an unavoidable impact on the project. However, the proposed project will encourage agricultural-related industrial development that will help sustain local and regional farming activity.

RESPONSE: The project will encourage agricultural-related development in the area by providing a sustainable way for existing agricultural-related business to dispose of waste and grow their operations without increase output to the wastewater treatment plant.

4.5.3 Proposed Mitigation – Aesthetic Resources

Site design will significantly reduce any negative impacts to aesthetic resources. Ample buffering along the perimeter of the agri-business park will enhance views along adjacent roadways and from neighboring residential development.

RESPONSE: The proposed project is located within the Park in a location as far from adjacent roadways and neighboring residential development as possible. Existing tree buffers are maintained.

4.6.3 Proposed Mitigation – Historic and Archeological Resources

Developments must comply with the NYSOPRHP recommendations and regulations related to the protection of significant cultural and/or historic resources.

RESPONSE: The FGEIS includes a Phase I Cultural Resource Investigation for the Proposed Partridge Ag Park, Part of Genesee Valley Agri-Business Park dated May 2008 and prepared by Deuel Archaeology & CRM. The scope of this study is a ±54-acre area of plots formerly owned by Donald Partridge and includes the proposed development parcel. The investigation included a Phase IA research and sensitivity assessment and Phase IB field investigation. The investigation concluded that development within the study area "will not impact anything of cultural significance". The study recommendations were that "No further archaeological investigation is recommended."

4.7.3 Proposed Mitigation – Open Space and Recreation

Development must adhere to the Town's zoning and site plan review process as they relate to the maintenance of open space and use of natural buffering strategies. Each development should site buildings, structures, and parking lots in a way that will maximize the amount of contiguous undeveloped land within the park.

RESPONSE: The proposed project adheres to the Town's zoning and site plan review process as it relates to maintenance of open space and natural buffering strategies by: locating the development on the parcel such that it preserves open space within proximity of roads and surrounding areas to the greatest extent possible, it preserves existing woods and tree-line buffers, and it uses the natural topography of the land to locate taller components of the plant at low-elevations on the site to naturally buffer their visual appearance from public roads.

4.8.3 Proposed Mitigation – Transportation

- Threshold #1: 250 vehicles during the morning peak hour for the left turning lane
  Mitigation #1: a westbound turn lane on NYS Route 5 at the park driveway
- Threshold #2: 200 vehicles during the morning peak hour for the right turning lane
  Mitigation #2: a 200-foot eastbound right turn lane on NYS Route 5 at the park driveway.
- Threshold #3: 150 vehicles during the evening peak hour for the left turn lane
  Mitigation #3: install a traffic signal at the NYS Route 5 and park driveway intersection

During each individual site plan review within the Agri-Business Park, the Town will require a traffic impact assessment to determine whether the proposed development will exceed the aforementioned thresholds, thereby requiring the corresponding transportation system improvements. Additionally, if the total Phase I and Phase III building square footage will exceed 1.65 million square feet or if a roadway connection to NYS Route 63 is proposed an additional traffic study and Supplemental GEIS is required.

RESPONSE: This project will add a minimal number of vehicle traffic; it is anticipated approximately 10-15 new vehicle trips and approximately 10-15 new truck trips per day. It is also believe based on the Concept Plan that the Park is well below a total building square footage of 1.65 million and a new roadway connection to NYS Route 63 is not proposed as part of this project. The Town of Batavia will need to conduct a traffic assessment to determine if the traffic thresholds for the Ag. Park are exceeded.

4.9.3 Proposed Mitigation – Energy Resources

No mitigation is required however developers are encouraged to utilize energy-saving site and building design as well as operations management, to minimize energy consumption to the extent feasible.

RESPONSE: This facility produces renewable natural gas which is an energy resource.

4.10.1 Proposed Mitigation – Odor

If odor produced by a particular development is deemed a concern during the site plan approval process, the Town will require an odor mitigation plan. Typically, the odor mitigation plan established acceptable thresholds for construction or operations-related odors and identifies the procedure by which conditions exceeding the thresholds would be addressed.

RESPONSE: The facility has extensive measures built into the design and operation to control odors which is explained in detail in the Supplemental SEQR Report in sections VI.N. It is anticipated that the Town of Batavia will require an odor mitigation plan; therefore, a preliminary draft plan is included in the Supplemental SEQR Report. It is assumed that a version of this plan will be included in a final engineering report or specification prepared for the project which will be part of the site plan review/approval documents. The developer will continue to work with the Town of Batavia to finalize this plan.

4.10.2 Proposed Mitigation – Noise

Any adverse impacts of increased noise levels that occur during construction phases can be mitigated by regulating the hours of operation for construction at the park, especially near the park boundaries.

The noise associated with the daily operation of facilities that locate in the park will be mitigated to some extent by the berm located along National Grid's power lines as well as the site's natural topography. The Town may require an applicant to obtain baseline ambient noise levels in the project area as part of the site plan approval process and to provide a plan to address noise complaints once facility operations have begun.

Operational noise can be mitigated through site planning, via building placement, berming, landscape design and hardscape buffering. If it is determined that noise levels will exceed 80 decibels at neighboring receptor locations between 7am and 7pm and/or 60 decibels between 7pm and 7am the Town will require the individual developer to incorporate specific mitigation in their site design. *(Table 4-3 of the FGEIS lists the following noise sources & associated noise level: busy urban street/diesel truck – 90 decimals, freeway traffic at 15m is 70 decimals and quiet rural area is 30 decimals)*

RESPONSE: Noise at the site is mainly mitigated through location of the facility far from other operations in the Park or public roads and residential areas. National Grid's power lines run along the south end of the site providing an additional land buffer. Section VI.M of the Supplemental SEQR Report includes an estimated baseline ambient noise level in the project area and an anticipated operational noise. Operational noise is mitigated through several aspects from site planning, building placement, locating operations in enclosed areas, etc. These are described in detail in the Supplemental SEQR Report, section VI.M.

4.11.3 Proposed Mitigation – Public Health and Safety

The types of uses expected in the park and not anticipated to have a significant negative impact on health and safety and thus do not require mitigation measures to address the potential increase in demands for fire, police and ambulance service unless the proposed development will utilize hazardous materials as defined by the Town's Zoning Code.

RESPONSE: The project will not utilize hazardous materials on site. All source material is food-grade organic waste. There is no methane storage onsite. The membrane over the post-digestion tank functions as a pressure regulator for downstream processing. Methane from upgrading of biogas is immediately injected to the National Fuel gas pipeline.

4.12.3 Proposed Mitigation – Character and Growth of the Community

No mitigation is required to address the positive benefits associated with managed development and growth practices inherent in the Agri-Business Park development.

RESPONSE: This project offers numerous benefits to the Community which are discussed in Section II of the Supplemental SEQR Report.

APPENDIX C

Genesee Biogas
Agri-Business Park
Town of Batavia, Genesee County, New York

DRAFT

PRELIMINARY EMERGENCY SPILL AVOIDANCE, MITIGATION AND RESPONSE PLAN

I. PURPOSE

This preliminary plan has been developed to provide regulatory authorities who are considering environmental impacts of the project; prior to the preparation of detailed engineering documents, a framework to see how potential spill mitigation and response may be addressed by the project. This plan indicates potential locations and type of spills that have a higher potential of occurring at the proposed Genesee Biogas and operational procedures for avoiding spills, mitigating spills and responding to spills. It is intended that this plan will be further refined during the detailed engineering review of the project and the final version will be incorporated into a final engineering document which is subject to a public agencies' regulatory review and approval prior to the Town of Batavia issuing final Site Plan Approval for the project.

II. SPILL REPORTING

Spillers are required under state and federal laws to report certain spills to appropriate agencies. Although the spiller is responsible for reporting spills, other persons with knowledge of a spill, leak, or discharge are required to report the incident.

Any spills of hazardous materials in quantities in excess of Reportable Quantities as defined by EPA or the State Agency regulations, shall be immediately report to:

1. **EPA National Response Center: 1-800-424-8802**
2. **NYSDEC Division of Environmental Remediation (NY Spill Hotline): 1-800-457-7362**
3. **Town of Batavia: (585) 343-1729**

Refer to Exhibit 1.1-1 of the NYSDEC Division of Environmental Remediation Technical Field Guidance Spill Reporting and Initial Notifications Requirements (at the end of this Plan) for hazardous materials spill reportable quantities and procedures.

Petroleum spills must be reported to the DEC unless they meet ALL of the following criteria:

- The spill is known to be less than 5 gallons; and
- The spill is contained and under the control of the spiller; and
- The spill has not and will not reach the State's water or any land; and
- The spill is cleaned up within 2 hours of discovery

III. RESPONSE TEAM

The following entities are responsible for the various requirements of the emergency spill avoidance, mitigation and response plan. These entities are responsible for continuously overseeing operations and procedures at the facility and for taking ensuring appropriate corrective actions are taken when required.

Entity	Contact Information	Responsibility
Operator: CH4 Biogas, 24-hr local contact	Ron Coy, Chief Operator (585) 495-6995 rcoy@ch4biogas.com	-Oversee day-to-day operations at the facility to ensure procedures are being followed by all staff. -Local contact to be notified of spills on-site -Notify Owners of any reported spills -Implement day-to-day required spill response procedures
Owner: CH4 Biogas, LLC	Lauren Toretta, President (203) 869-1446ltoretta@ch4biogas.com	-Ensure staff are properly trained to identify and respond to spills and implement procedures for spill avoidance. -Ensure a local qualified staff member is available for: immediate response to spills, notifying the owner of the spill, and enforcing day-to-day spill avoidance procedures are followed. -Ensuring appropriate and required follow-through reporting and actions of spills is complied with per all applicable agency requirements and per this plan.
Regulatory Agency: Town of Batavia	Dan Lang, Building Inspector (585) 343-1729 x222 dlang@townofbatavia.com	-Notify owner of reported complaints, reported spills in the vicinity of the plant, or observations made of operations compliance issue related to spill prevention and/or response. -As an agency to be notified of spills, respond appropriately as necessary to public who may be impacted by spill.
Regulatory Agency: Fire Department	911 or Town Fire Dept. Sta. 2 585-344-1040	-Respond and provide expertise to spills which pose a potential explosion and/or fire hazard.
Regulatory Agency: Health Department	Genesee County (585) 344-2580	-Respond and provide expertise to spills which pose a potential contamination to a drinking water supply (watermain or aquifer).
Regulatory Agency: NYSDEC	Division of Environmental Remediation 1-800-424-8802	-Respond and provide expertise to spills. Required to be notified when spills exceed limits in Exhibit 1.1-1
Regulatory Agency: EPA	National Response Center 1-800-424-8802	-Required to be notified when hazardous substances are released that meet or exceed reportable quantities.

IV. AUTHORIZED DISCHARGES FROM ON-SITE ACTIVITIES

Only the following discharges are authorized at the site. Any other discharge from the site is considered an illicit discharge and is considered a "spill".

Authorized Discharges

1. Stormwater runoff from surface areas that: are not contaminated, has not mixed with contaminated runoff or non-stormwater discharges, and does not violate Water Quality Standards contained in 6 NYCRR Parts 700-705.
2. Discharges from firefighting activities only when the firefighting activities are emergencies and unplanned.
3. Potable water sources including: waterline flushings, irrigation drainage, lawn watering; uncontaminated infiltration and inflow; routine external building wash down and vehicle washing which does not use detergents or other compounds, pavement wash waters where spills or leaks of toxic or hazardous materials (other than minor and routine releases from motor vehicles) have not occurred (unless such material has been removed) and where detergents are not used; air conditioning and steam condensate (provided it is incidental windblown mist and not intentional discharges); springs; uncontaminated groundwater; and foundation or footing drains where flows are not contaminated with process materials such as solvents.

V. OVERVIEW OF POTENTIAL POLLUTANT SOURCES & SPILL MITIGATION

This section describes all the locations and activities at the facility which have a higher potential for pollutants mixing with runoff, spills and leaks, and unauthorized discharges.

Table I – Overview of Potential Pollutant Source & Pollutant Mitigation

	Location/ Activity	Potential Source	Potential Pollutant	Mitigation
1.	Construction Activities	Soil disturbance, material stockpiles, surface treatments, chemical products used in construction, sanitary waste from manpower operations	TSS, BOD, engine coolants, various liquid lubricants, coolants, fuels, wood debris, fertilizers/pesticides, concrete waste and leachate, debris/trash, curing compounds	Follow procedures in SWPPP and use best management practices during construction
2.	Source Material Delivery By Truck	Spills on surfaces, spills on transferring to receiving tanks, mixing with stormwater or snowmelt, Incoming vehicle drippings or contaminations	Organic (non-hazardous) waste Various engine related fuels Track-in of materials on tires	Source material emptied directly to tank by hose connection or for packaged source material, unload in a building under a covered area where it cannot mix with stormwater or snow, inspect incoming vehicles for potential contaminants, frequency observe surfaces of truck paths for spills.

Table I – Overview of Potential Pollutant Source & Pollutant Mitigation Cont.				
	Location/ Activity	**Potential Source**	**Potential Pollutant**	**Mitigation**
3.	Source Material Delivery By Pipeline	Leaks in pipeline, spills at start and end connections of pipeline, mixing with stormwater, snowmelt or groundwater	Organic (non-hazardous) waste, Process Water	Regularly inspect connection points of pipeline and along pipeline for visible spills, 24-hr monitoring with SCADA system, coordinate with source material provider to compare delivered vs. received quantities.
4.	Piped Material Between Tanks/ Digester	Leaks in pipeline, spills at start and end connections of pipeline, mixing with stormwater, snowmelt or groundwater	Organic (non-hazardous) waste, Process Water	Regularly inspect facility for visual evidence of leaks. 24-hr monitoring with SCADA system, compare material quantities at various point for consistency.
5.	Depackaging/ Receiving Building	Depackaging of source material, office operations (cleaning, bathroom/shower waste, etc.),	Organic (non-hazardous) waste, trash/debris, cleaning agents.	Follow procedures on MSDS sheets and product instructions, store all chemicals inside building, daily cleaning and monitoring of debris waste, clean spills such that contaminants do not leave building.
6.	Vehicle/ Equipment Maintenance	Fueling activities, parts cleaning, waste disposal of oil rags, oil and gas filters, batteries, coolants, degreasers, fluids, soaps and solvents used in washing.	Diesel fuel, gasoline fuel, solvents, oils, heavy metals, oils, grease, etc.	Maintenance to be done on solid surfaces where oils/greases/etc. may be captured and cleaned up without mixing with stormwater, snow or non-impervious ground surfaces. Use oil plans, tarps, etc. other containment to prevent spills and leaks to the greatest extent possible. Immediately clean area following maintenance of any residue material. Properly dispose of contaminated rags and containers.

VI. PROCEDURES FOR SPILL AVOIDANCE & MITIGATION

The following procures should be followed in the general operation and practices at the facility to avoid and mitigate potential spills. All employees and incoming personnel at the facility should be made aware of these procures and there should be a protocol in-place to ensure that they are complied with.

1. Minimize Exposure
   - During any active ground disturbance employ practices to divert clean runoff from undisturbed and uncontaminated areas around disturbed areas.
   - During any active ground disturbance phase operations to limit land disturbance to the greatest extent possible.
   - Materials, equipment and activities that have a higher potential for leaks and spills are to be performed in contained areas to the greatest extent possible.
   - Clean-up spills and leaks promptly using dry methods (e.g. absorbents)
   - Use spill/overflow protection equipment
   - Store leaky vehicles and equipment indoors, use drip pans and absorbents
   - Perform all vehicle and/or equipment cleaning operations indoors, under cover when possible or outdoors on dry days when activities can finish and area can be cleaned up before rain or snow events.
   - Capture any spray from wash water and ensure it drains to a proper (non-stormwater) collection system.
   - Drain and properly dispose of (non-stormwater) fluids from equipment and vehicles that will be decommissioned, and for any equipment and vehicles that will remain unused for extended periods of time, inspect at least monthly for leaks.
   - Where feasible, minimize exposure of chemicals by replacing with less toxic alternatives
2. Good Housekeeping
   - Store materials in appropriate containers, preferably containers they were provided in with proper labeling
   - Store chemicals indoors.
   - Keep all outdoor trash container lids closed when not in use. For dumpsters that do not have lids: ensure enclosure fencing is kept closed, surrounding area is monitored for wind-blown debris, when high wind days are forecasted, cover with a tarp or other means, schedule dumpster removal/empty when it is approximately 75% full.
   - Control litter, garbage and solid waste by collecting it when found and disposing of it in an appropriate trash receptable.
   - Properly dispose of trash and recyclables. Only clean paper/plastic/packaging waste may be disposed of in trash receptacles, dumpsters and recycle containers. Liquid, chemical or food grade waste may not be placed in these containers and must be properly disposed of offsite.
   - Sanitary facilities (e.q. toilets, sinks, showers, etc.) are to be used strictly for worker's comfort and should not be used of to dispose of chemical or other process wastes. These facilities should be regularly maintained and monitored to ensure that only "personnel related" sanitary waste is disposed of in these facilities.
   - Regularly inspect equipment for leaks, spills, malfunctioning, worn or corroded parts or equipment and repair/replace as necessary.

- A preventative maintenance program should be implemented for processing equipment.
- Frequently check and maintain berms or systems used to control materials and prevent them from contacting non-contaminated stormwater runoff.
- Per building codes, floor drains within facilities should be connected to the sanitary system; however ensure only appropriate and allowed substances discharge to these drains.
- Use secondary containment such as drip pans, tarps or equivalent measures when doing vehicle/equipment maintenance or under any leaking piece of stationary equipment until is it promptly repaired. This should be used for both indoor and outdoor activities to prevent illicit discharges to ground surfaces and floor drains. Inspect the drip pan or containment measure for leaks and potential overflow and ensure all liquids and contaminated rags and surfaces are properly disposed of in accordance with all applicable regulations.
- Locate outdoor processing equipment (including pumps) on elevated concrete pads.
- Utilize permanent or semi-permanent cover over all areas where materials are transferred, stored or stockpiled.

3. <u>Maintenance and Repair</u>
    - Perform inspections and preventative maintenance on stormwater drainage, source controls, treatment systems and facility equipment.
    - Diligently maintain non-structural control measures (e.g. keep spill response supplies available, personnel appropriately trained, etc.)
    - Clean stormwater facilities pre-treatment areas as specified.
    - Clean stormwater conveyance systems.
    - Perform routine inspection and inspections after storm events to ensure drainage and stormwater controls on the site are properly functioning.
    - Preventative maintenance on vehicles and equipment includes: regular inspections, testing, maintenance and repair of all control measures to avoid situations that may result in leaks, spills, and other releases and any back-up control measures to avoid situations that may result in leaks, spills and other releases should a storm event occur while a control measure is off-line.
    - Maintain all containers and secondary-containments used to prevent leaking or groundwater contamination.
    - Keep spill kits on-site, adequately stocked, readily accessible and near areas where spills may occur or where a rapid response can be made. Spill kits should be clearly labeled for rapid locating. Dispose of spent cleanup materials immediately and properly.

VII. PROCEDURE FOR RESPONDING TO A SPILL

1. When a spill is identified determine if it presents a potentially hazardous situation which requires emergency response activities or poses a potential threat to human safety. If so, immediately vacate the premise and call 911.
2. For a spill which can be identified as not a potentially hazardous situation, immediately implement measures which can be quickly completed to contain the spill or minimize expose.
3. For any spill, on-site staff should immediately notify the operator and owner contact immediately upon discovery.
4. The owner is responsible for identifying agencies which must be notified of spills. (Refer to attached Exhibit 1.1-1 for materials covered, agency required to be notified and reporting

requirements.) Additionally, the Town of Batavia should be notified of any spills which are reportable or come into contact with non-impervious ground surfaces. The fire department and health department are other agencies which may potentially need to be notified. The owner should be familiar with the information they will be required to provide to reporting agencies and interview or consult with personnel on-site who may be familiar with the details of the spill. This information usually includes: material spilled, quantity spilled, responsible party for spill, is spill on-going or contained, location of spill, contact information for owner and personnel familiar with spill or incident.

5. For very minor spills in which the spilled material does not: meet reportable quantities, does not come into contact with non-impervious ground surfaces, and may be cleaned-up without mixing with stormwater runoff or snow that comes into contact with non-impervious ground surfaces, the owner shall ensure that a spill report is fully documented and completed. A copy of all spill reports shall be provided to the Town of Batavia annually.
6. For minor spills which no not meet reportable quantities, but do come into contact with non-impervious ground surfaces, and/or cannot be clean-up without mixing with stormwater runoff or snow that comes into contact with non-impervious ground surfaces, the Town of Batavia shall be immediately notified.
7. The owner is responsible for ensuring that all required actions are taken to contain and remediate the spill. They should follow guidance in this plan and per applicable regulatory instruction.
8. The owner is required for ensuring that all required documentation of spills, clean-up and compliance measures is completed and kept with this plan and provided annually to the Town of Batavia.

VIII. SPILL RECORD KEEPING

All spills shall be documented and documentation shall contain the following information:

1. Date of record
2. Name, title, entity and contact information of individual preparing spill documentation (recorder)
3. Identification of the recorder's knowledge of spill (e.g. observed, received report from other party)
4. If Recorder obtained information about the spill from other witnesses, the report should include the name, entity and contact information for each witness and the specific information they provided.
5. Identify as much information about the spill as they have knowledge of, including: date of spill, time of spill, material spilled, quantity spilled, person/entity responsible for spill, when spill was observed or identified, how spill was observed or identified, individual who observed or identified spill, specific location of spill, cause of spill, other areas which may have been contaminated by spill, containment measures used, spill clean-up measures used, individuals/entities notified of spill and by whom and when, actions taken to prevent similar re-occurrence of spill.
6. Note the weather from the time of the spill to the time all clean-up activities were completed (e.g. active snow or rain, snow or rain on surfaces surrounding spill)
7. Document all follow-up actions, notifications and correspondences from reporting agencies as applicable.

Genesee Biogas
Agri-Business Park
Town of Batavia, Genesee County, New York

DRAFT

PRELIMINARY
ODOR MITIGATION AND RESPONSE PLAN

I. PURPOSE

This preliminary plan has been developed to provide regulatory authorities who are considering environmental impacts of the project; prior to the preparation of detailed engineering documents, a framework to see how potential odor mitigation and response may be addressed by the project. This plan indicates potential locations and type of odors that have a higher potential of occurring at the proposed Genesee Biogas and operational procedures for avoiding odors, mitigating odors and responding to odors. It is intended that this plan will be further refined during the detailed engineering review of the project and the final version will be incorporated into a final engineering document which is subject to a public agencies' regulatory review and approval prior to the Town of Batavia issuing final Site Plan Approval for the project.

II. ACCEPTABLE THRESHOLDS FOR ODORS

These odor thresholds are developed from the EPA's resource: Reference Guide to Odor Thresholds for Hazardous Air Pollutants Listed in the Clean Air Act Amendments of 1990.

- Multiple complaints (3 or more parties) located outside of the Agri-Business Park of detectable odor where a detectable odor is defined as an odor that is identified as being different from the ambient odor. The ambient odor are standard odors associated with residential, agricultural and existing industrial development activities as well as odors from public truck and vehicle activities. The ambient odor will vary by time of day, time of year, and surrounding activities.
- A single complaint located outside of the Agri-Business Park of a recognizable odor that a reasonable individual would identify as being associated with the smell of biological decomposition (food waste) or another odor which can be directly linked to a source or activities at the site.

III. RESPONSE TEAM

The following entities are part of the odor complaint response team responsible for receiving odor complaints, implementing odor response measures and ensuring on-going odor mitigation procedures are used.

Entity	Contact Information	Responsibility
Operator: CH4 Biogas, local contact	Ron Coy, Chief Operator (585) 495-6995 rcoy@ch4biogas.com	-Oversee day-to-day operations at the facility to ensure procedures are being followed by all staff. -Local contact to be notified of odor complaints -Notify Owners of any reported odor complaints -Implement day-to-day required odor mitigation procedures
Owner: CH4 Biogas, LLC	Lauren Toretta, President (203) 869-1446 ltoretta@ch4biogas.com	-Ensure staff are properly trained to implement odor mitigation procedures and respond to odor complaints. -Ensure a local qualified staff member is available for: immediate response to odor complaints, notifying the owner of odor complaints, and enforcing day-to-day odor mitigation procedures are followed. -Ensuring appropriate and required follow-through actions for odor complaints per this plan and regulatory requirements.
Regulatory Agency: Town of Batavia	Dan Lang, Building Inspector (585) 343-1729 x222 dlang@townofbatavia.com	-Notify owner of credible reported odor complaints in the vicinity which may be attributed to the plant. -As an agency to be notified of odors, respond appropriately as necessary to public who may be experiencing odor.

IV. PROCEDURE FOR DEALING WITH ODORS THAT EXCEED ACCEPTABLE THRESHOLDS

Any potential for off-site odor is dependent on the intensity, frequency and duration of the odor, as well as atmospheric conditions including wind speed, direction, and stability. Other processes in the area may contribute to a cumulative odor effect making it difficult to distinguish or mitigate a single source of odor. In the event that an odor threshold exceedance is detected off-site, plant personnel shall perform the following steps:

1. Inspect the facility for the cause of the odor and take specific actions necessary to correct the abnormal operation(s) that caused the off-site odor.
2. Investigate the odor complaint by performing an off-site investigation at the location of the compliant when appropriate land-entry permission is received, if the event occurs at the time the compliant is received. For historic complaints, plant personnel will attempt to isolate the specific site activities potentially causing the problem and record their findings.
3. Make note of known ambient odors in the area and source activities, along with environmental conditions such as wind direction, temperature, etc.
4. Make note of on-site normal operational activities that where being performed when odor was reported which may have contributed to odor. Such as building doors were open, or forced air system was off-line for maintenance.

5. Record findings and share with ownership. Discuss operation and maintenance procedures which may be implemented to reduce future potential odors concerns.
6. For on-going and regular credible odor threshold exceedances, consider significant odor mitigation measures such as tree/vegetation planting for screening, enclosing operations or constructing additional biofilters or other measures for odor control.
7. For odors complaints directed towards the facility which are believed to be caused not from this facility but from surrounding industrial operations. Share with them the odor compliant and opinion of source. Surrounding facilities should coordinate operations and work together to mitigate odors in the area. On-going odor complaints which are believe to be from other sources but from which are being reported as from this facility should be shared with the Town of Batavia.

Possible operational items which may be investigated to mitigate odors are:

1. Inspect that the forced air system for the building receiving area is functioning properly and directing air to the biofilter.
2. Inspect the biofilter for proper functioning and provide periodic maintenance to the scrubbers and/or filter media.

V. STANDARD PROCEDURE FOR MITIGATING ODORS

The following on-going procedures and housekeeping measures shall be employed on a continual basis to mitigate potential odors:

1. The acceptance of only organic food waste as a source for the system. Animal waste will not be allowed to be used at the plant.
2. Waste handling is contained from receiving to final digestate removal which avoids air from being released and thus mitigating odors.
3. Unloading of all source material either directly into tanks (no air exposure) or in a covered area with the waste receiving portion of the building utilizing a forced air system to direct air to a biofilter system.
4. The biofilter is an air pollution control system designed to capture and biologically degrade air. It is a 2-stage process consisting of scrubbers for refined air quality and filter media to biologically degrade air pollutants. Periodic maintenance of the scrubbers and filter media should be performed.
5. Comply with the NYSDEC Air Emissions requirement for record keeping, tracking emissions and controls, monitoring, testing and annual certification.
6. Dispose of only clean paper/plastic packaging materials and general office waste in outside dumpsters. Have dumpsters emptied regularly and if they are suspected of contributing to odors.
7. Weather conditions such as temperature inversions, wind velocity and wind direction can intensity odors. Be mindful of conditions where weather may elevate odors and during those times pay extra attention to enclosing the processes. This may include minimizing the amount of time that the egress portions of the waste receiving part of the building are open.

Genesee Biogas
Agri-Business Park
Town of Batavia, Genesee County, New York

DRAFT

PRELIMINARY
NOISE MITIGATION AND RESPONSE PLAN

I. PURPOSE

This preliminary plan has been developed to provide regulatory authorities who are considering environmental impacts of the project; prior to the preparation of detailed engineering documents, a framework to see how potential noise mitigation and response may be addressed by the project. This plan indicates a baseline ambient noise level for the area, potential operational noise levels, mitigation measures for noise and a plan to address noise complaints. It is intended that this plan will be further refined during the detailed engineering review of the project and the final version will be incorporated into a final engineering document which is subject to a public agencies' regulatory review and approval prior to the Town of Batavia issuing final Site Plan Approval for the project.

II. BASELINE AMBIENT NOISE LEVELS

The uses surrounding the project are a combination of: quiet rural area (to the north and west) with occasionally high noise levels from diesel agricultural equipment; occasional diesel truck noises from truck traffic on Ag Park Drive from the other facilities within the Ag-Park, and suburban street traffic from Route 5. Section 4.10.2 if the FGEIS for the Ag Park contains Table 4-3 that lists noise sources and their associated level and effect. Applicable sections of this table are included below:

Noise Sources and Their Effects

Noise Source	Level Noise (decibels)	Effect
Farmtractor, garbage truck	100	Serious hearing damage
Busy urban street, diesel truck	90	Hearing damage
Quiet suburb	50	
Quiet rural area	30	Very Quiet

The baseline ambient noise level for the project area could be considered to be in the range of 30-40 decimals with an occasional spike to 90-100 decimals when a truck or farm equipment passes by the site.

III. RESPONSE TEAM

The following entities are part of the noise complaint response team responsible for receiving noise complaints, implementing noise response measures and ensuring on-going noise mitigation procedures are used.

Entity	Contact Information	Responsibility
Operator: CH4 Biogas, local contact	Ron Coy, Chief Operator (585) 495-6995 rcoy@ch4biogas.com	-Oversee day-to-day operations at the facility to ensure procedures are being followed by all staff. -Local contact to be notified of noise complaints -Notify Owners of any reported noise complaints -Implement day-to-day required noise mitigation procedures
Owner: CH4 Biogas, LLC	Lauren Toretta, President (203) 869-1446 ltoretta@ch4biogas.com	-Ensure staff are properly trained to implement noise mitigation procedures and respond to noise complaints. -Ensure a local qualified staff member is available for: immediate response to noise complaints, notifying the owner of noise complaints, and enforcing day-to-day noise mitigation procedures are followed. -Ensuring appropriate and required follow-through actions for noise complaints per this plan and regulatory requirements.
Regulatory Agency: Town of Batavia	Dan Lang, Building Inspector (585) 343-1729 x222 dlang@townofbatavia.com	-Notify owner of credible reported noise complaints in the vicinity which may be attributed to the plant. -As an agency to be notified of noises, respond appropriately as necessary to public who may be experiencing noise issues.

IV. ANTICIPATED OPERATIONAL NOISE & MITIGATION

The primary operations at the site that are anticipated to have significant noise contributions are: diesel truck delivery/waste removal, pump motors and equipment noises. These noises are mitigated through site planning, building placement and containment. The main operational facilities are purposely located at the far north-east corner of the site to provide the greatest distance possible from residential uses. The buildings are orientated to have openings face the north away from surrounding residential. Motors and other equipment with potentially high noise levels are located either inside the building, or within enclosures that will mitigate the sound to around 60 decimals directly outside of the enclosure which is equivalent to the noise in a restaurant or office and is considered a noise that can be talked over. The greatest noise impact would be from diesel trucks as they enter and exit the site and accept waste at the facility. The noise at the truck is assumed to be 90 decimals per the FGEIS table.

The Inverse Square Law was used to estimate the operational noise levels at surrounding residential properties to the site. This Law states that for every time the distance doubles between the noise and the measurement, the decimal levels drop by 6 dBA. This law conservatively assumes that there are no interruptions to the travel of sound waves from topography, trees, etc. The distance from Ag Park Drive at the facility driveway to the facility is approximately 800-ft. Therefore, using a decimal level of 90 dBA for the trucks at the facility, the anticipated noise level of the truck at Ag Park Drive (the property limits) would be approximately 31.9 dBA. The distance from the facility driveway at Ag Park Road to the closest residential use is approximately 1,200-ft. The decimal level for a 90 dBA truck at this distance is 28.4 dBA which is below the baseline ambient noise level for a quiet rural area.

V. PLAN TO ADDRESS NOISE COMPLAINTS

Noise complaints will be investigated and compared with operational activities at the time of the complaint to understand what or if on-site operations resulted in excessive noise. When possible, the noise shall be investigated from the source of the complaint.

Where credible noise complaints are made, the owner shall make every attempt possible to adjust the operational procedures to reduce excessive noises exceeding ambient levels with occasional spikes. Possible mitigation procedures are:

- Altering the timing of higher noise operations so they are not completed during nighttime, evening or early morning hours.
- Ensuring noise-mitigating containments are fully utilized such as doors are closed, containments are tight, etc.
- Notifying vendors who enter the site if noise pollution is caused from their vehicles or operations and enforcing corrective measures are taken.
- For on-going noise complaints, consider additional permanent noise mitigation measures such as planting screening vegetation, constructing a berm or enclosing an operation.

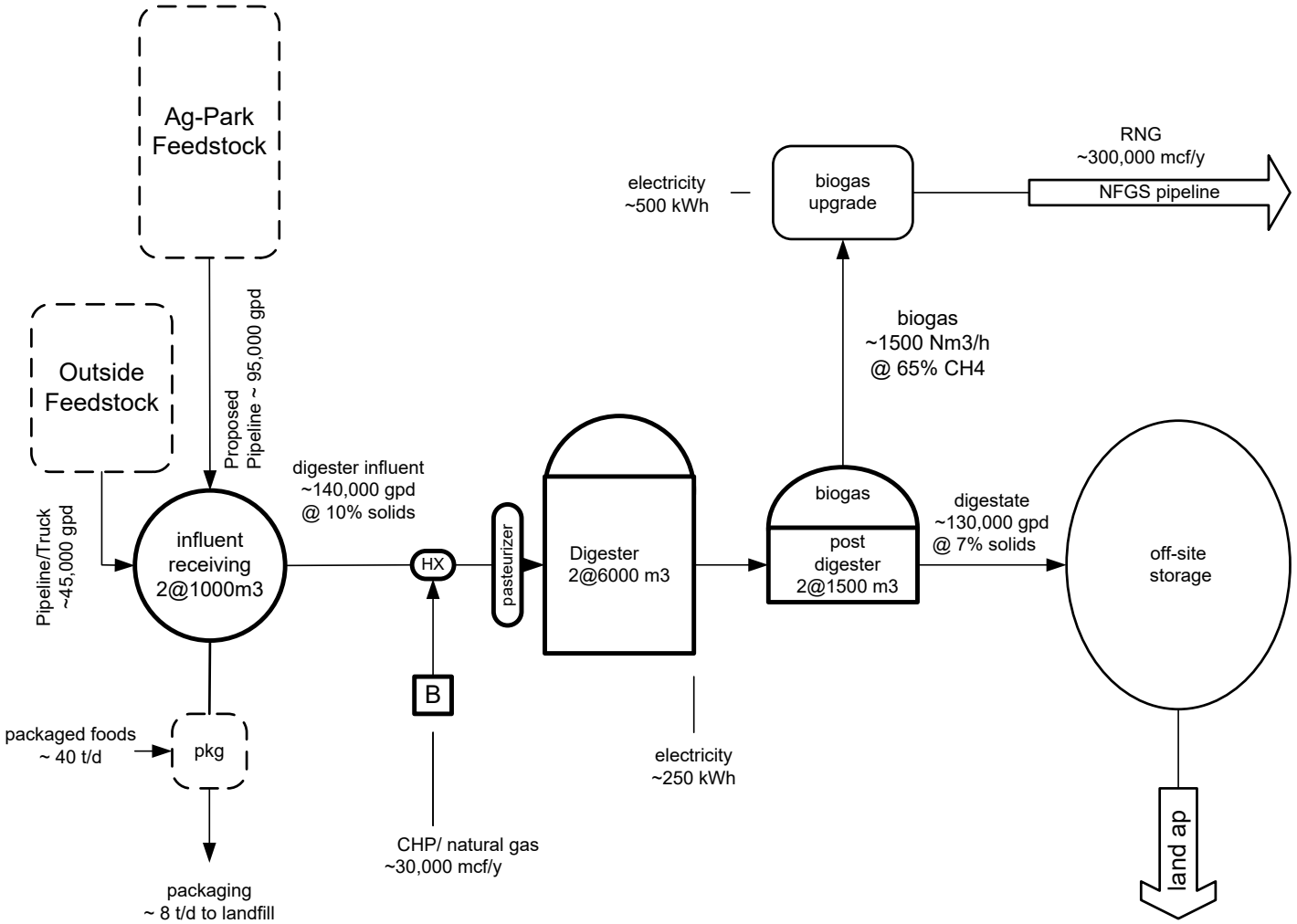
APPENDIX D

Genesee Biogas Feedstock/Influent Sources: Summary

Feedstock Summary		1000 gal/year
AG-PARK*		
OATKA	1000 gal/y	18,250
Hood	1000 gal/y	14,600
Other Ag-Park Feedstock	1000 gal/y	1,825
total Ag-Park	1000 gal/y	34,675
% Ag-Park		**66%**
SYNERGY CONTRACTED FEEDSTOCK		
grease trap waste	1000 gal/y	880
wine pulp	1000 gal/y	310
dairy processing residuals	1000 gal/y	1,095
egg wash	1000 gal/y	913
pet food processing residuals	1000 gal/y	1,593
food processing residuals	1000 gal/y	4,508
digested liquid	1000 gal/y	4,380
total Synergy Contracted	1000 gal/y	13,679
SYNERGY LONG-TERM FOG	1000 gal/y	1,514
SPOT MARKET FEEDSTOCK		
unsalable packaged foods	1000 gal/y	2,814
spot market liquid	1000 gal/y	-
total Spot Market Feedstock	1000 gal/y	2,814
AG-PARK + SYNERGY	1000 gal/y	49,868
% Ag-Park + Synergy		**95%**

*Does not include extent of forecasted growth in production

Genesee Biogas Project
SCHEMATIC & MASS BALANCE



KEY:
HX=heat exchanger
B=boiler

Effluent/Digestate Storage and Disposal Options:

There are many permitted disposal options in and outside of Genesee County for the holding and eventual land spreading of the digestate. The nutrient value of the digestate makes it a local fertilizer source and an opportunity to recycle nutrients. These lagoons are permitted by the owners and regulated by the Department of Agriculture. CH4 Biogas has long-standing relationships with these entities and also the other digesters.

Lagoons	Location	Size
Synergy Farms	SE	2 million gallons, 3 million gallons, and 4 million gallons
Jeffres	SE	250,000 gallons + Satellite Lagoon
Linwood Dairy	SE	Many gallons
Reinford Farms - PA	S	2 Lagoons, Approx. 7 million gallons
Torrey Farms	NE, NW, N	1 at the Heifer Farm and 1 at the Main Dairy Farm
McCormick Farms	S, SE	2 Lagoons

Digesters	Location
Noblehurst	SE
Generate – West Seneca	W
Generate - Niagara Falls	W
Generate – Auburn	E
Reinford Farms – PA	S

PROPOSED WAREHOUSE

1161 Vision Parkway
Town of Pembroke, Genesee County, NY

SITE DEVELOPMENT DRAWINGS

INDEX OF DRAWINGS

PAGE #	DWG. #	DRAWING NAME	REVISION DATE	ORIGINAL DATE
1	C-1.0	COVER SHEET		12/5/2023
2	C-1.1	NOTES & SPECIFICATIONS - I		
3	C-1.2	NOTES & SPECIFICATIONS - II		
4	C-2.0	BOUNDARY & TOPOGRAPHIC SURVEY	-	4/24/2023
5	C-3.0	PHASE I EROSION CONTROL PLAN		
6	C-3.1	EROSION CONTROL DETAILS		
7	C-4.0	OVERALL SITE PLAN		12/5/2023
8	C-4.1	DETAILED SITE PLAN - I		12/5/2023
9	C4.2	DETAILED SITE PLAN - II		12/5/2023
10	C-4.3	SITE DETAILS		
11	C-5.0	GRADING & PHASE II EROSION CONTROL PLAN		12/5/2023
12	C-5.1	DRAINAGE PLAN		12/5/2023
13	C-6.0	UTILITY PLAN - I		12/5/2023
14	C-6.1	UTILITY PLAN - II		12/5/2023
15	C-6.2	UTILITY PLAN - III		12/5/2023
16	C-6.3	UTILITY PLAN - IV		12/5/2023
17	C-6.4	UTILITY PLAN - V		12/5/2023
18	C-6.5	UTILITY DETAILS - I		
19	C-6.6	UILITY DETAILS - II		
20	C-7.0	LIGHTING & LANDSCAPING PLAN		12/5/2023

OWNER/DEVELOPER:

NAME:	GENESEE BIOGAS, LLC
ADDRESS:	30 LAKEWOOD CIRCLE NORTH, GREENWICH, CT 06830
CONTACT:	LAUREN TORETTA, PRESIDENT
PHONE:	203-869-1446

REFERENCES:

BOUNDARY & TOPOGRAPHIC SURVEY / EXISTING CONDITIONS	
PREPARED BY:	WELCH & O'DONOGHUE LAND SURVEYORS, PC
DATE PREPARED:	4/24/2023
LAST REVISED:	-

AGENCIES:

ZONING & CODES DEPARTMENT

NAME/TITLE:	DAN LANG, BLDG. INSPECTOR
COMPANY/ DEPARTMENT:	TOWN OF BATAVIA, BLDG. & ZONING DEPT.
ADDRESS:	3833 W. MAIN ST., BATAVIA, NY 14020
PHONE:	585-343-1729 x222

UTILITIES:

WATER/SANITARY

NAME/TITLE:	STEVE MOUNTAIN, TOWN ENGINEER
COMPANY/DEPT:	TOWN OF BATAVIA, WTR/WASTE WTR DEPT.
ADDRESS:	3833 W. MAIN ST., BATAVIA, NY 14020
PHONE:	585-356-4900

NATURAL GAS

COMPANY/DEPT:	NATIONAL FUEL
PHONE:	1-800-365-3234

TELEPHONE COMPANY

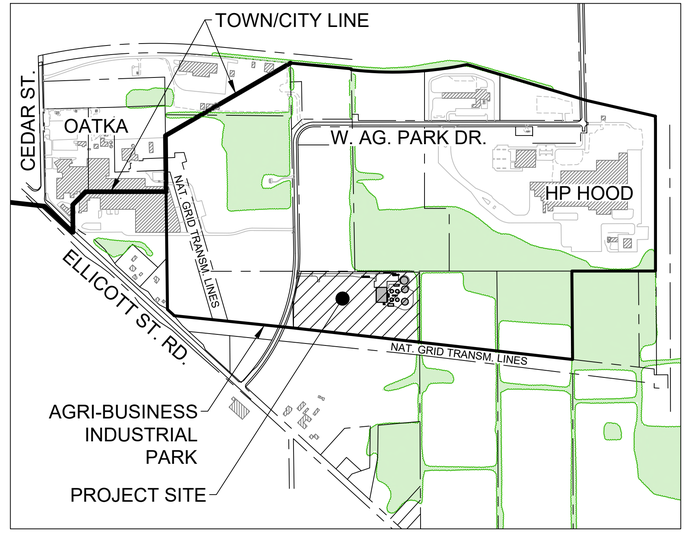
COMPANY/DEPT:	SPECTRUM
PHONE:	855-762-1243

ELECTRIC:

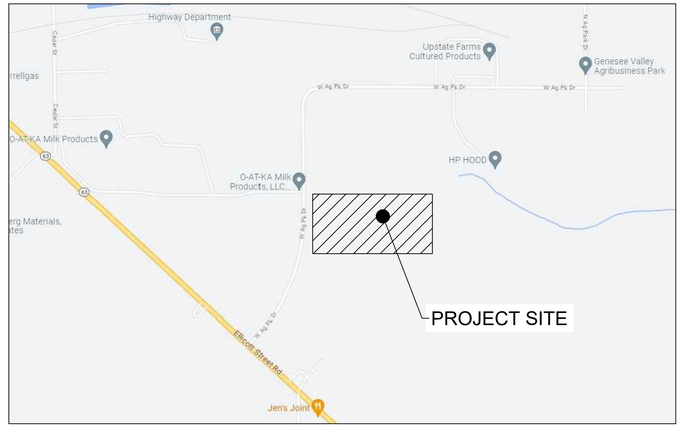
COMPANY/DEPT:	NATIONAL GRID
PHONE:	1-800-322-3223

CABLE

COMPANY/DEPT:	SPECTRUM
PHONE:	855-762-1243



PROJECT KEY MAP
Scale: 1" = 800'



PROJECT LOCATION MAP
Not to Scale

TOWN OF BATAVIA:

PLANNING BOARD CHAIR — DATE

TOWN ENGINEER — DATE

Revisions

No.	Revision/Issue	Date

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PWE
PINEWOODS ENGINEERING
LAND DEVELOPMENT & STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

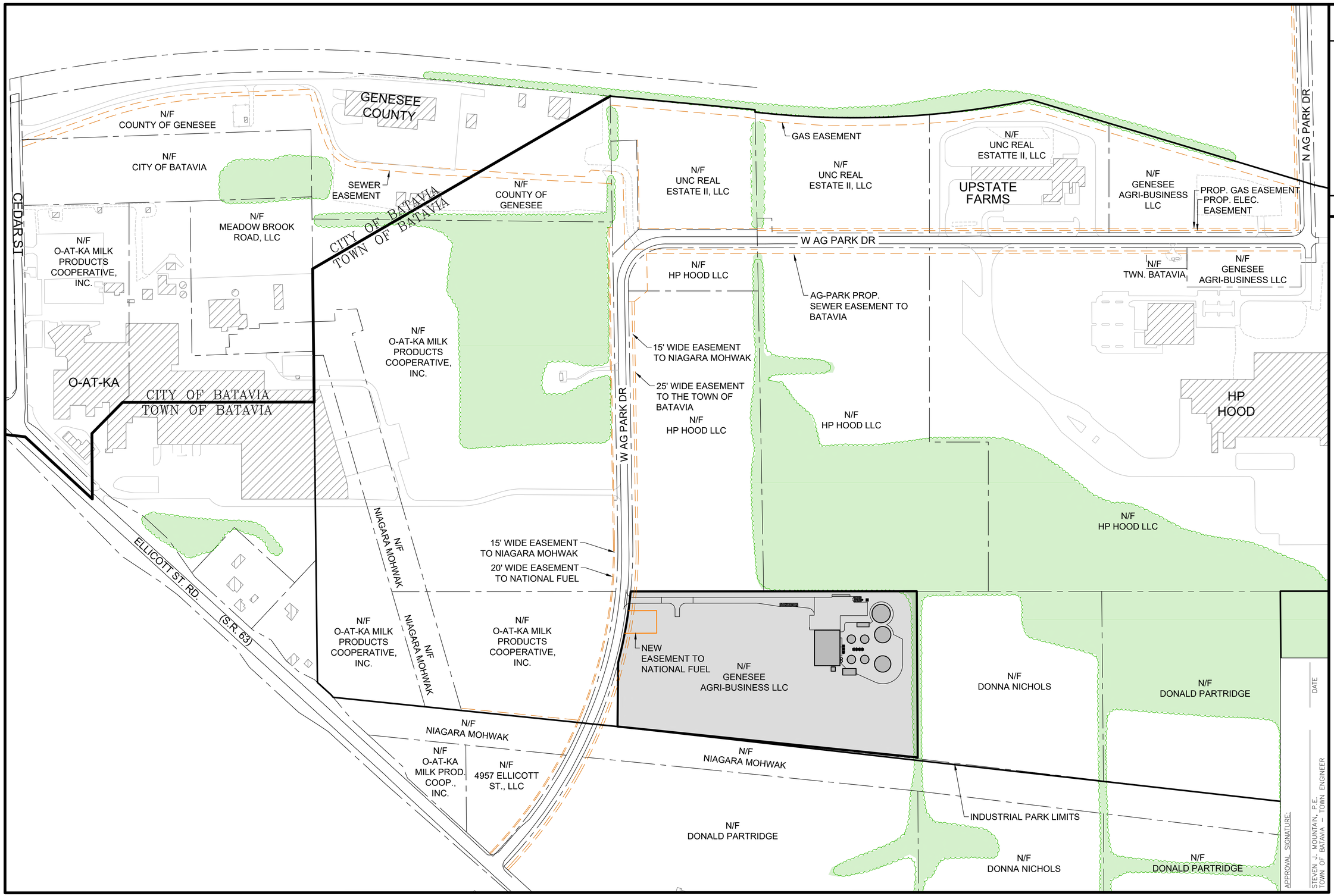
Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

COVER SHEET

Sheet	Drawing Number
1 OF 20	C-1.0
Date: 12/5/2023	
Scale: As Shown	



No.	Revision/Issue	Date

Revisions

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK
SARA LYNN GILBERT
087296
LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PWE
PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

OVERALL SITE PLAN

Sheet	Drawing Number
7 OF 20	C-4.0
Date: 12/5/2023	
Scale: 1" = 200'	

APPROVAL SIGNATURE:
STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA – TOWN ENGINEER
DATE

PROJECT BENCH TIE – RAILROAD SPIKE FOUND IN EAST SIDE UTILITY POLE ELEV: 890.38

Scale 1"=40' : 0 40 80 Feet

66.0'
HIGHWAY LINE
15.0'
25.0'
25' WIDE UTILITY EASEMENT TO THE TOWN OF BATAVIA PER FILED MAP NO. 2389
15' WIDE UTILITY EASEMENT TO NIAGARA MOHAWK POWER CORP. PER FILED MAP NO. 2389
10.5' PIN
N 89°57'50" E
1268.58'
N/F
HP HOOD, LLC
INSTR #DE2021–2091
TAX ACCOUNT NO. 13.–1–87.124
26.19
30.00
140.00
0+00 1+00 2+00 3+00 SIDE SETBACK 4+00 5+00 6+00 7+00
26.00
85.00
32.91
R30.00
R28.00
170°
TRUCK SCALE
828.13
CURVE DATA:
R=2033.00'
L=321.63'
D=9°03'52"
CHORD:
N 10°00'33" E
321.30'
125'
FIRE ACCESS TURN-AROUND
20.00
100'
142'
EASEMENT TO NATIONAL FUEL
W AG PARK (66.0' WIDE) DRIVE
50.00
FRONT SETBACK
PARCEL SURVEYED
= 20.125 ACRES
S.B.L. #20.–1–108.1
N 00°30'22" E
283.00'
N/F
NIAGARA MOHAWK POWER CORPORATION
L.862 D.857
TAX ACCOUNT
MATCHLINE C-4.2

SITE PLAN LEGEND
- PROJECT PARCEL BOUNDARY
- ZONING SETBACKS/YARDS
- NEW BUILDING/TANK/STRUCTURE
- SEMI-PERMANENT CONTAINER
- GRAVEL PAVEMENT
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- BERM AREA

**REFER TO SURVEY FOR EXISTING FEATURES LEGEND*

APPROVAL SIGNATURE: DATE
STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA – TOWN ENGINEER

No.	Revision/Issue	Date
	Revisions	

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

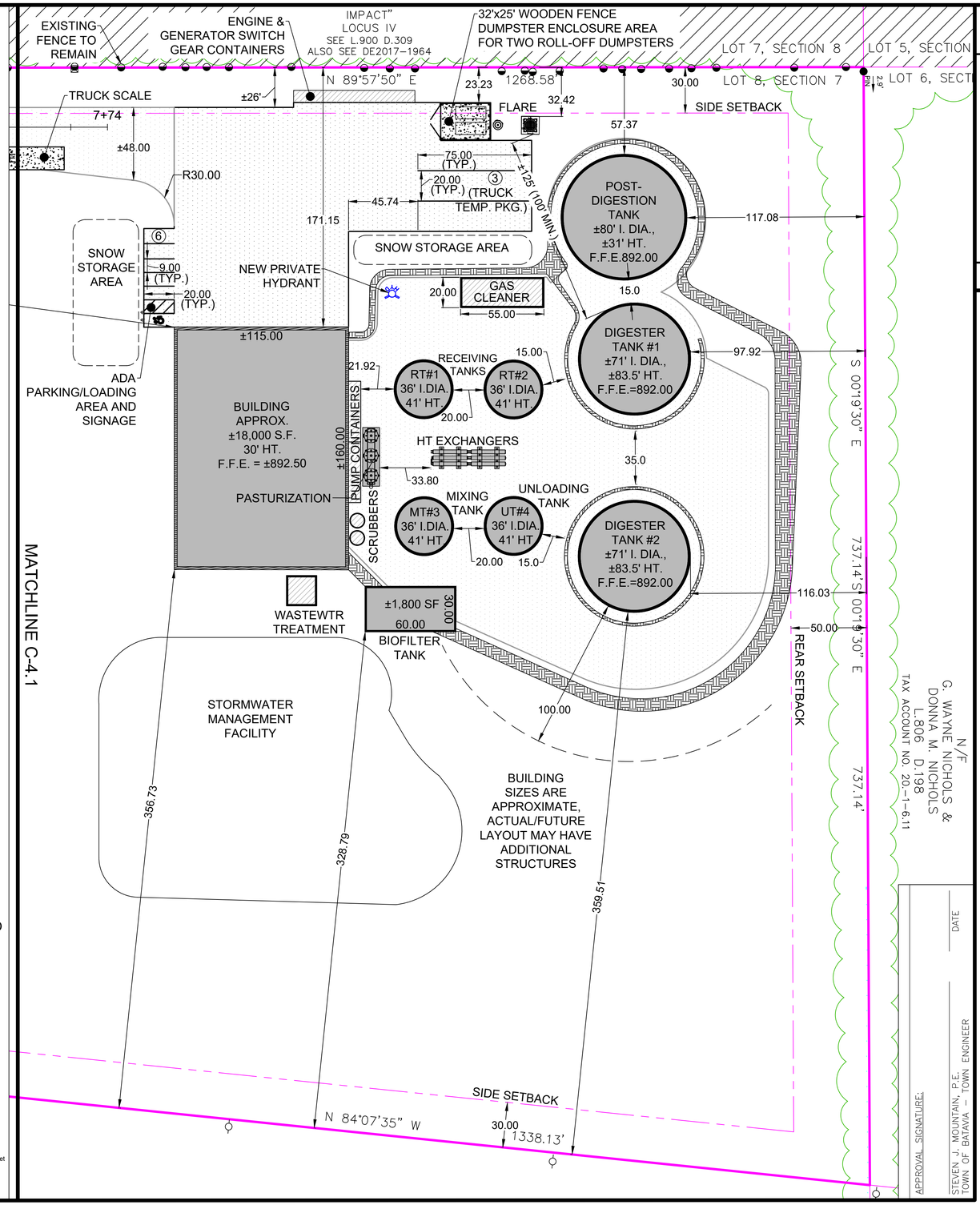
Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

DETAILED SITE PLAN - I

Sheet	Drawing Number
8 OF 20	C-4.1
Date: 12/5/2023	
Scale: 1" = 40'	



TOWN OF BATAVIA ZONING ANALYSIS		
PARCEL ID: 20.-1-108.1		
ZONED: IP - INDUSTRIAL PARK DISTRICT		
PRINCIPAL USE: RENEWABLE ENERGY FACILITY	ALLOWED USE[1]	
LOT REQUIREMENTS	**REQUIRED**	**PROVIDED**
MIN. LOT SIZE	40,000 SF	±876,645 SF[2]
MIN. FRONTAGE	200 FT	321.3 FT
MIN. FRONT YARD[3]	50 FT	±828.1 FT
MIN. REAR YARD	50 FT	97.9 FT
MIN. SIDE YARD	30 FT	32.4 FT
PRINCIPLE BLDG.		
MAX. BLDG. HEIGHT[5]	40 FT	83.5 FT[4]
LOT COVERAGE		
MAX. COVERAGE/GRN SP %	35/15%	4[5]/±90%
PARKING		
1 SPACE PER MOTOR VEHICLE	1 - TRUCK	3 - TRUCK
PLUS EMPLOYEE PARKING	1-CAR	8 - CAR

[1]BASED ON PERMITTED USE (8) RECYCLABLES HANDLING AND RECOVERY FACILITY
[2]LOT SIZE: ±876,645 S.F. = 20.125 AC
[3]SIDE AND REAR SETBACK FOR ACCESSORY BUILDINGS IS EQUAL TO YARD REQUIREMENT
[4]VARIANCE REQUIRED FOR BUILDING HEIGHT SINCE TANK EXCEEDS REQUIREMENT BY 43.5 FT.
[5]BUILDING, RECEIVING/MIXING TANKS, STORAGE TANK AND DIGESTER TANKS COUNTED TOWARDS MAX. COVERAGE = 36,790 S.F. OF "BUILDING/STRUCTURE".

SITE PLAN LEGEND
- PROJECT PARCEL BOUNDARY
- ZONING SETBACKS/YARDS
- NEW BUILDING/TANK/STRUCTURE
- SEMI-PERMANENT CONTAINER
- GRAVEL PAVEMENT
- ASPHALT PAVEMENT
- CONCRETE PAVEMENT
- BERM AREA

**REFER TO SURVEY FOR EXISTING FEATURES LEGEND*

REFERENCES & NOTES:
1. BOUNDARY, TOPOGRAPHY AND EXISTING CONDITIONS FROM TOPOGRAPHIC SURVEY PREPARED BY WELCH & O'DONOGHUE, DATED APRIL 24, 2023.

2. REFER TO REF. #1 FOR AVOIDANCE PLAN/NOTES RELATED TO "LOCUS IV".

Scale 1"=40' : 0 40 80 Feet

No.	Revision/Issue	Date

Revisions

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY NOT FOR CONSTRUCTION

Prepared By

PINEWOODS ENGINEERING
LAND DEVELOPMENT & STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

DETAILED SITE PLAN - II

Sheet	Drawing Number
9 OF 20	C-4.2
Date: 12/5/2023	
Scale: 1" = 40'	

MATCHLINE C-5.02

MATCHLINE C-5.01

POST-DIGESTION TANK ±80' I. DIA., ±31' HT. F.F.E.892.00

GAS CLEANER

DIGESTER TANK #1 ±71' I. DIA., ±83.5' HT. F.F.E.=892.00

DIGESTER TANK #2 ±71' I. DIA., ±83.5' HT. F.F.E.=892.00

RT#1 36' I.DIA. 41' HT.

RT#2 36' I.DIA. 41' HT.

MT#3 36' I.DIA. 41' HT.

UT#4 36' I.DIA. 41' HT.

BUILDING APPROX. ±18,000 S.F. 30' HT. F.F.E. = ±892.50

INFILTRATION BASIN ELEV = 882.00

12'W BERM, ELEV:886.00

12'W BERM, ELEV:886.00

WSE:882

Scale 1"=40' :

0 40 80 Feet

Revisions	Revision/Issue	Date

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PWE
PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

APPROVAL SIGNATURE: _____ DATE _____
STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA - TOWN ENGINEER

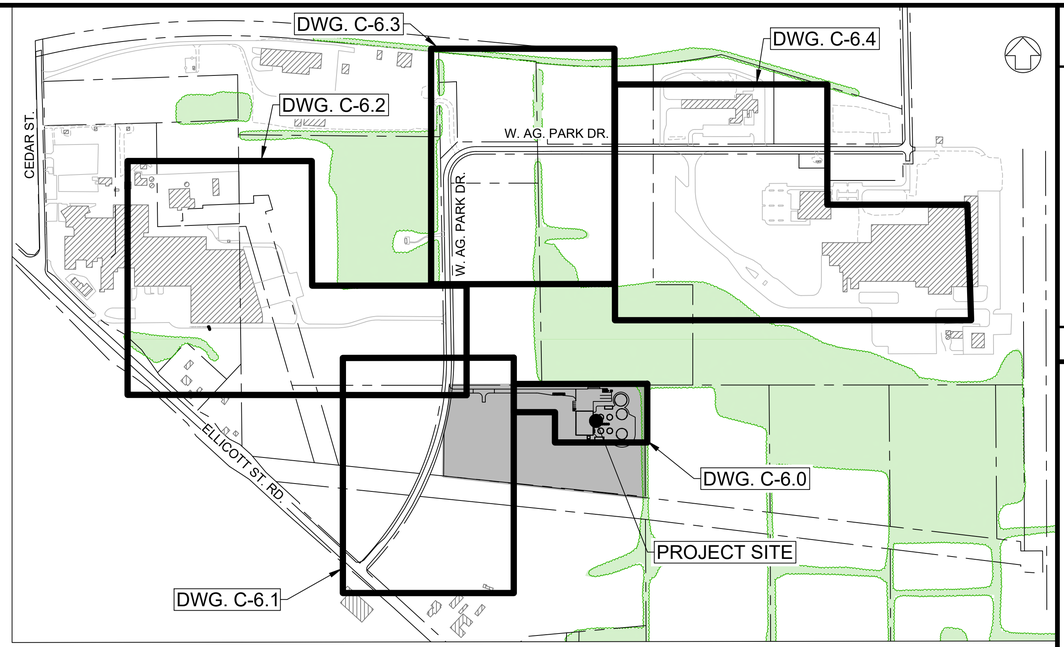
Drawing Name

GRADING PLAN

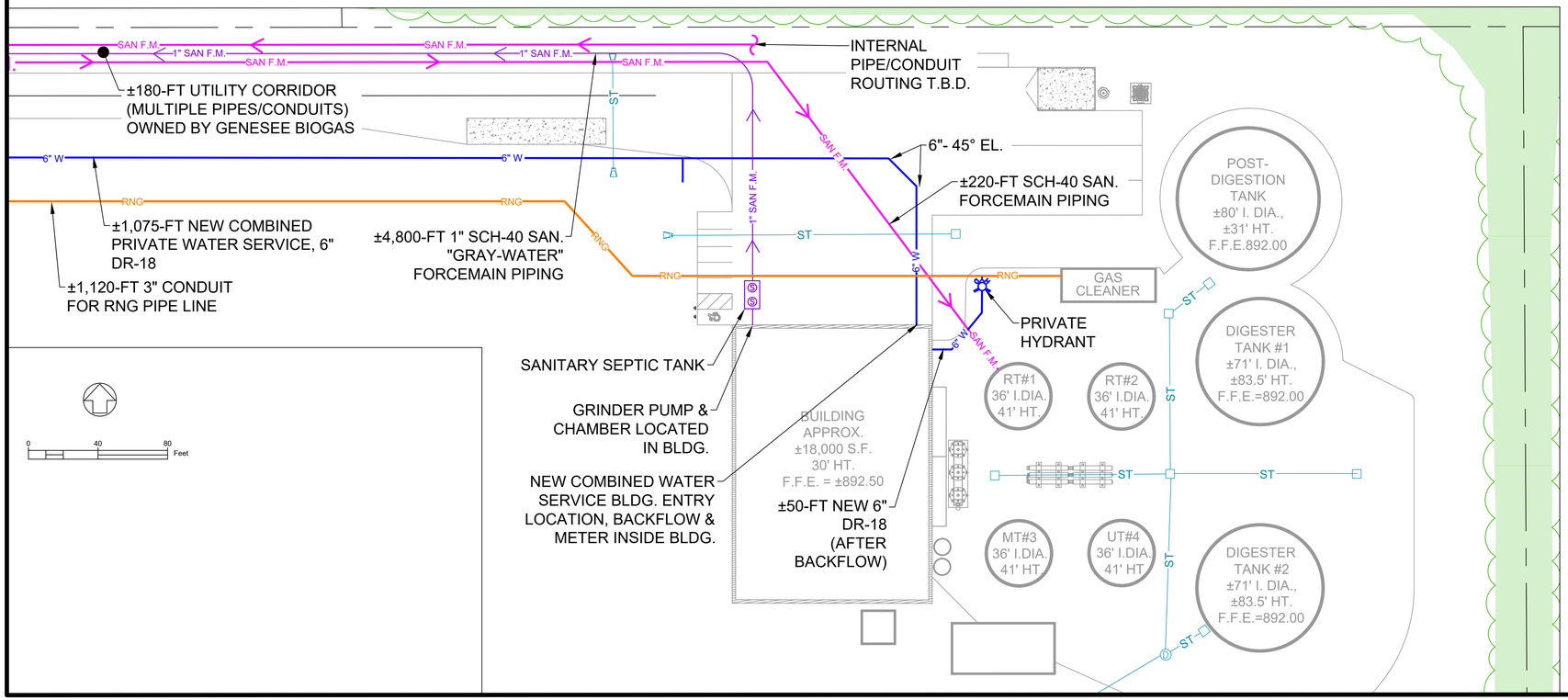
Sheet	Drawing Number
11 OF 20	C-5.0
Date: 12/5/2023	
Scale: 1" = 40'	

UTILITY PLAN LEGEND

- SAN F.M. — NEW PRIVATE UTILITY CORRIDOR (MULTIPLE POTENTIAL PIPES)
- SAN F.M. / 1" SAN F.M. — NEW PRIVATE SANITARY SEWER FORCEMAIN (& FLOW DIRECTION ARROW)
- 6" W — NEW PUBLIC WATER LINE
- 6" W — NEW PRIVATE WATER SERVICE W/ HYDRANT
- RNG — NEW PRIVATE GAS/RNG DELIVERY LINE
- SAN — EXISTING PUBLIC SANITARY SEWER GRAVITY LINE W/ MANHOLE
- 10" SAN. F.M. — EXISTING PUBLIC SANITARY SEWER FORCEMAIN
- EX GAS — EXISTING GAS LINE
- EX OHE — EXISTING OVERHEAD ELECTRIC LINE
- EX 8"W — EXISTING WATER LINE W/ HYDRANT



DRAWING KEY MAP
Scale: 1" = 500'



No.	Revision/Issue	Date

Revisions

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PINEWOODS ENGINEERING
LAND DEVELOPMENT & STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

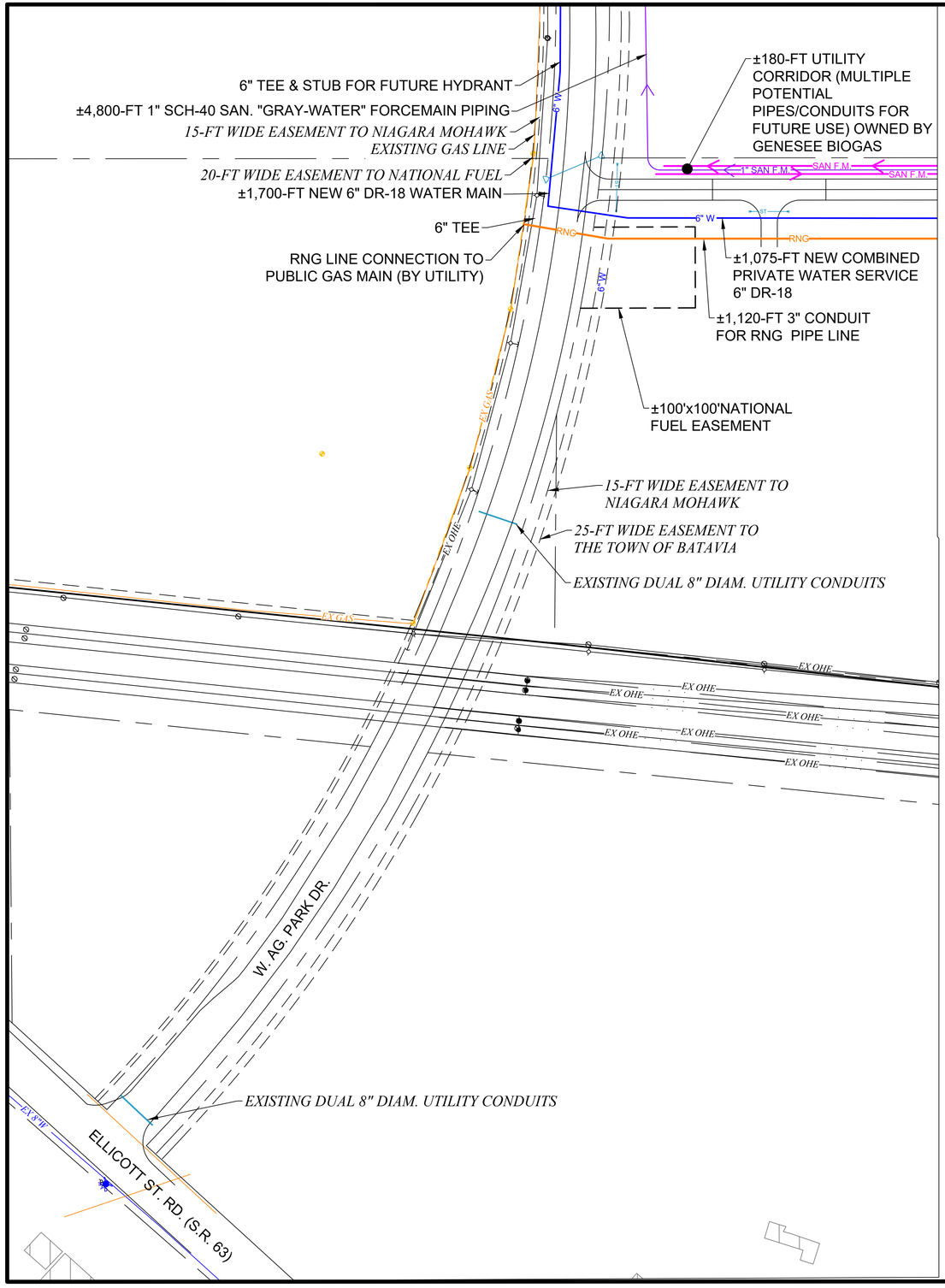
Drawing Name

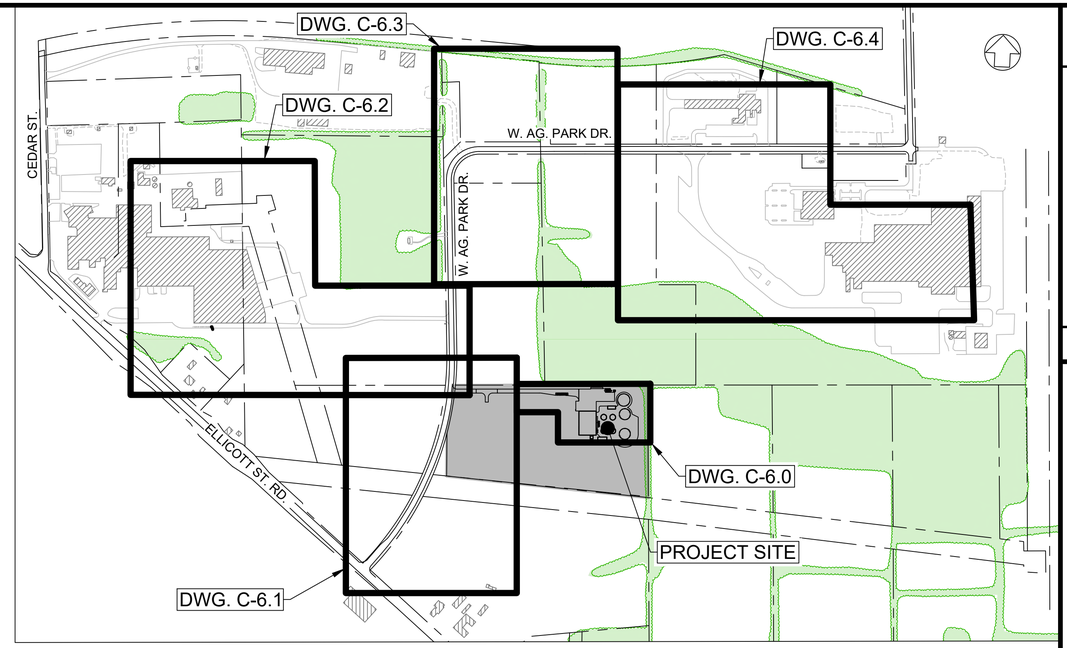
UTILITY PLAN - I

Sheet	Drawing Number
13 OF 20	C-6.0
Date: 12/5/2023	
Scale: 1" = 40'	

APPROVAL SIGNATURE: _____ DATE

STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA – TOWN ENGINEER





DRAWING KEY MAP
Scale: 1" = 500'

UTILITY PLAN LEGEND :

- NEW PRIVATE UTILITY CORRIDOR (MULTIPLE POTENTIAL PIPES)
- NEW PRIVATE SANITARY SEWER FORCEMAIN (& FLOW DIRECTION ARROW)
- NEW PUBLIC WATER LINE
- NEW PRIVATE WATER SERVICE W/ HYDRANT
- NEW PRIVATE GAS/RNG DELIVERY LINE
- EXISTING PUBLIC SANITARY SEWER GRAVITY LINE W/ MANHOLE
- EXISTING PUBLIC SANITARY SEWER FORCEMAIN
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER LINE W/ HYDRANT

APPROVAL SIGNATURE:

DATE

STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA - TOWN ENGINEER

No.	Revision/Issue	Date

Revisions

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK
SARA LYNN GILBERT
087296
LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

UTILITY PLAN - II

Sheet	Drawing Number
14 OF 20	C-6.1
Date: 12/5/2023	
Scale: 1" = 80'	

EXIST. O-AT-KA SANITARY SEWER OUTFLOW LINES

CITY OF BATAVIA

CITY OF BATAVIA

CITY OF BATAVIA

TOWN OF BATAVIA

O-AT-KA FACILITY

AGRI-BUSINESS INDUSTRIAL PARK

EX OHE

EX OHE

EX OHE

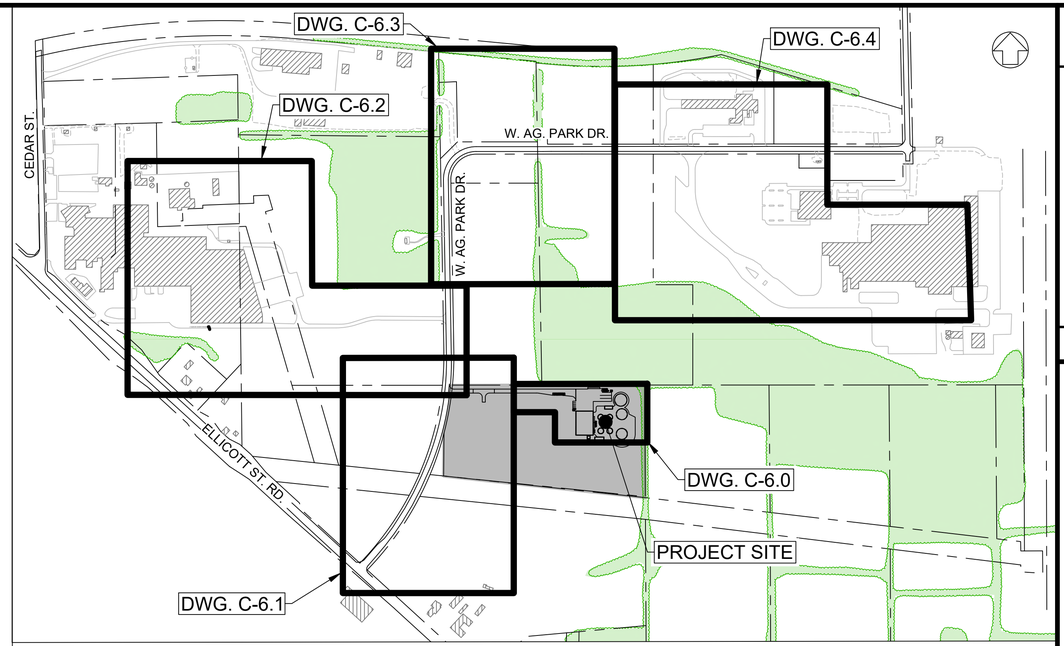
EX OHE

EX OHE

EX OHE

UTILITY PLAN LEGEND

- SAN F.M. — NEW PRIVATE UTILITY CORRIDOR (MULTIPLE POTENTIAL PIPES)
- SAN F.M. — NEW PRIVATE SANITARY SEWER FORCEMAIN (& FLOW DIRECTION ARROW)
- 1" SAN F.M. — NEW PUBLIC WATER LINE
- 6" W — NEW PRIVATE WATER SERVICE W/ HYDRANT
- 6" W — NEW PRIVATE GAS/RNG DELIVERY LINE
- RNG — EXISTING PUBLIC SANITARY SEWER GRAVITY LINE W/ MANHOLE
- SAN — EXISTING PUBLIC SANITARY SEWER FORCEMAIN
- 10" SAN. F.M. — EXISTING GAS LINE
- EX GAS — EXISTING OVERHEAD ELECTRIC LINE
- EX OHE — EXISTING WATER LINE W/ HYDRANT
- EX 8"W



DRAWING KEY MAP
Scale: 1" = 500'

0 80 160 Feet

15-FT WIDE EASEMENT TO NIAGARA MOHAWK

6" TEE & STUB FOR FUTURE HYDRANT

25-FT WIDE EASEMENT TO THE TOWN OF BATAVIA

±4,800-FT 1" SCH-40 SAN. "GRAY-WATER" FORCEMAIN PIPING

±1,700-FT NEW 6" DR-18 WATER MAIN

EX GAS

EX OHE

EXISTING ±30' WIDE ASPHALT DRIVEWAY

EXISTING CULVERT

EXISTING OATKA SIGN

EXISTING LIGHT POLE

EXISTING ELECTRIC POLE (TYP.)

EXISTING DUAL 8" DIAM. UTILITY CONDUITS

6" W

W. AG. PARK DR.

1" SAN F.M.

6" TEE & STUB FOR FUTURE HYDRANT

±4,800-FT 1" SCH-40 SAN. "GRAY-WATER" FORCEMAIN PIPING

15-FT WIDE EASEMENT TO NIAGARA MOHAWK

EXISTING GAS LINE

20-FT WIDE EASEMENT TO NATIONAL FUEL

±1,700-FT NEW 6" DR-18 WATER MAIN

APPROVAL SIGNATURE: DATE

STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA - TOWN ENGINEER

No.	Revision/Issue	Date
	Revisions	

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

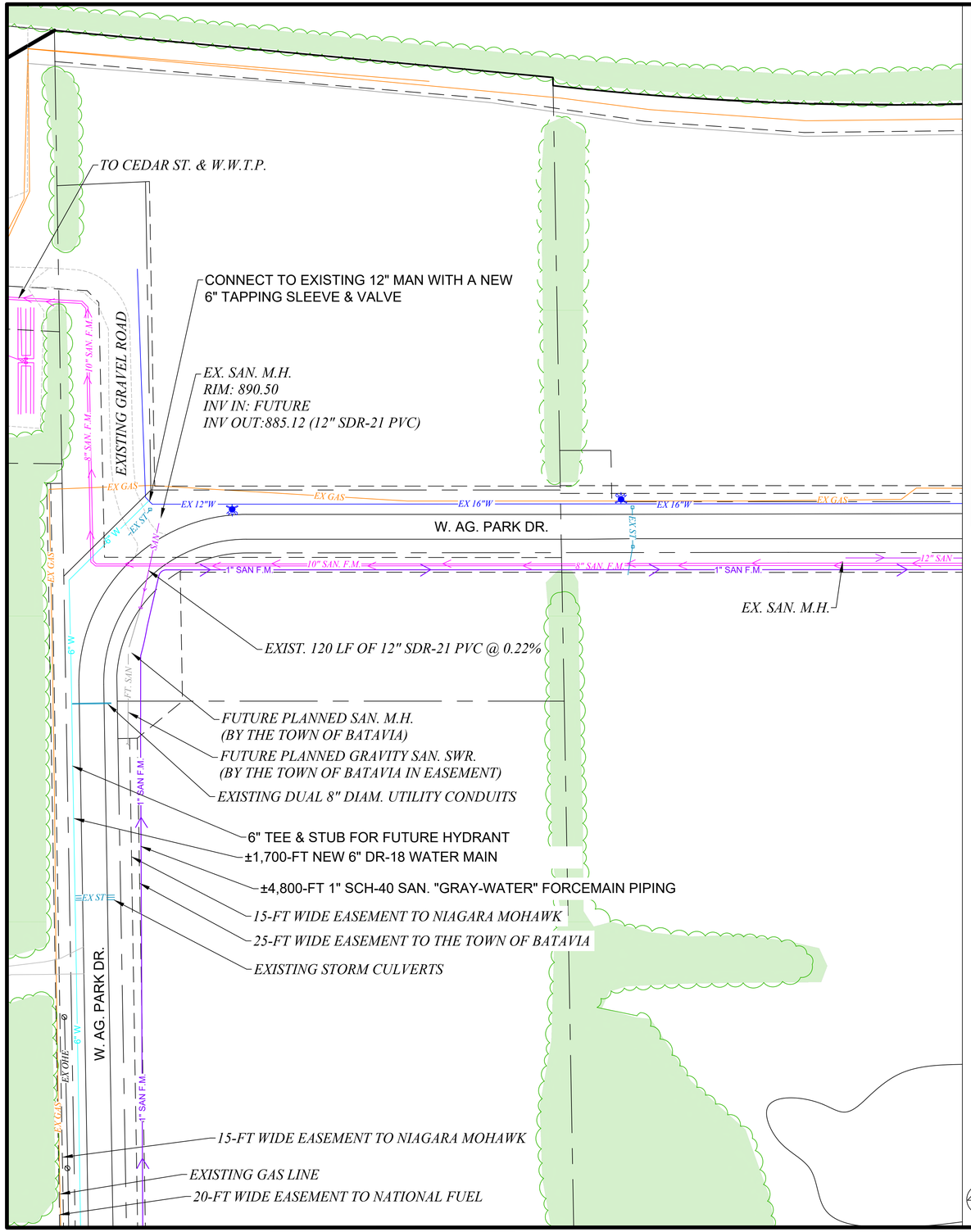
Project Name and Address

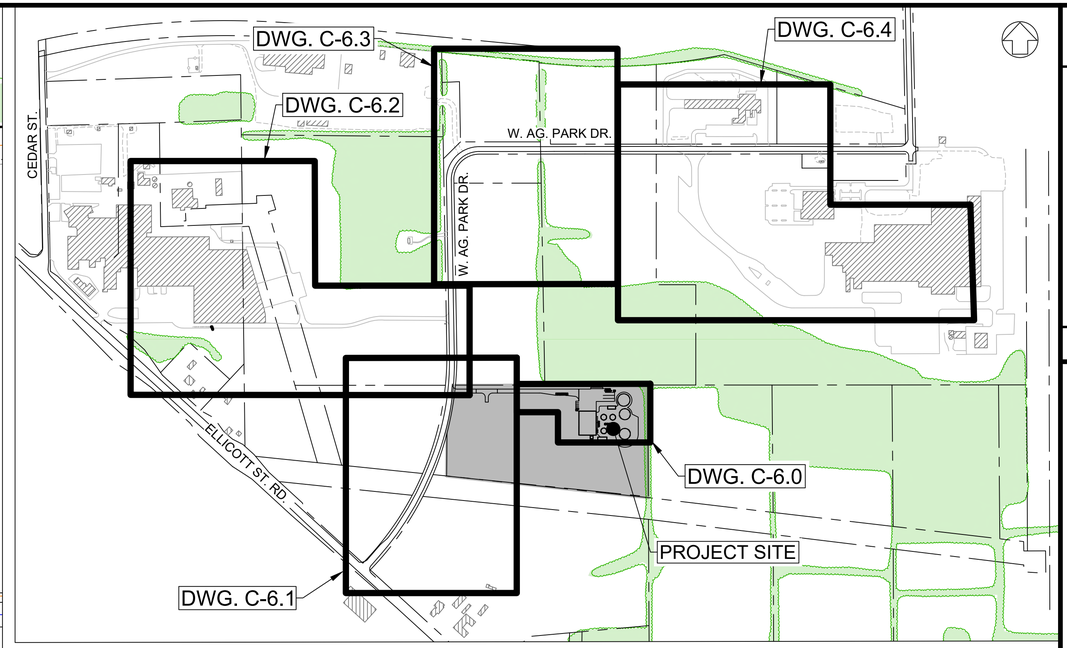
GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

UTILITY PLAN - III

Sheet	Drawing Number
15 OF 20	C-6.2
Date: 12/5/2023	
Scale: 1" = 80'	





DRAWING KEY MAP
Scale: 1" = 500'

UTILITY PLAN LEGEND

- NEW PRIVATE UTILITY CORRIDOR (MULTIPLE POTENTIAL PIPES)
- NEW PRIVATE SANITARY SEWER FORCEMAIN (& FLOW DIRECTION ARROW)
- NEW PUBLIC WATER LINE
- NEW PRIVATE WATER SERVICE W/ HYDRANT
- NEW PRIVATE GAS/RNG DELIVERY LINE
- EXISTING PUBLIC SANITARY SEWER GRAVITY LINE W/ MANHOLE
- EXISTING PUBLIC SANITARY SEWER FORCEMAIN
- EXISTING GAS LINE
- EXISTING OVERHEAD ELECTRIC LINE
- EXISTING WATER LINE W/ HYDRANT

APPROVAL SIGNATURE:
STEVEN J. MOUNTAIN, P.E.
TOWN OF BATAVIA - TOWN ENGINEER
DATE

No.	Revision/Issue	Date

Revisions

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PWE
PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

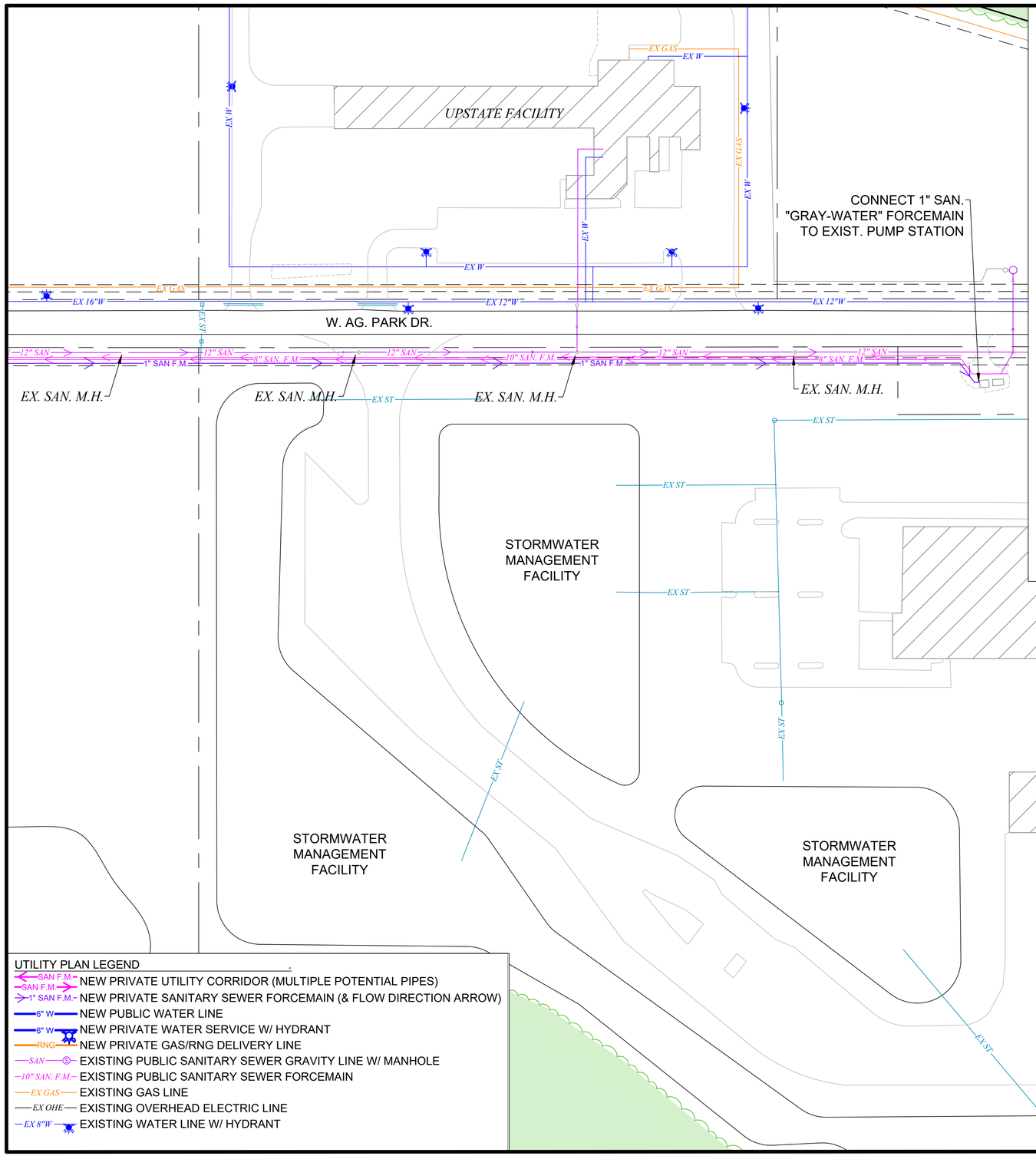
Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

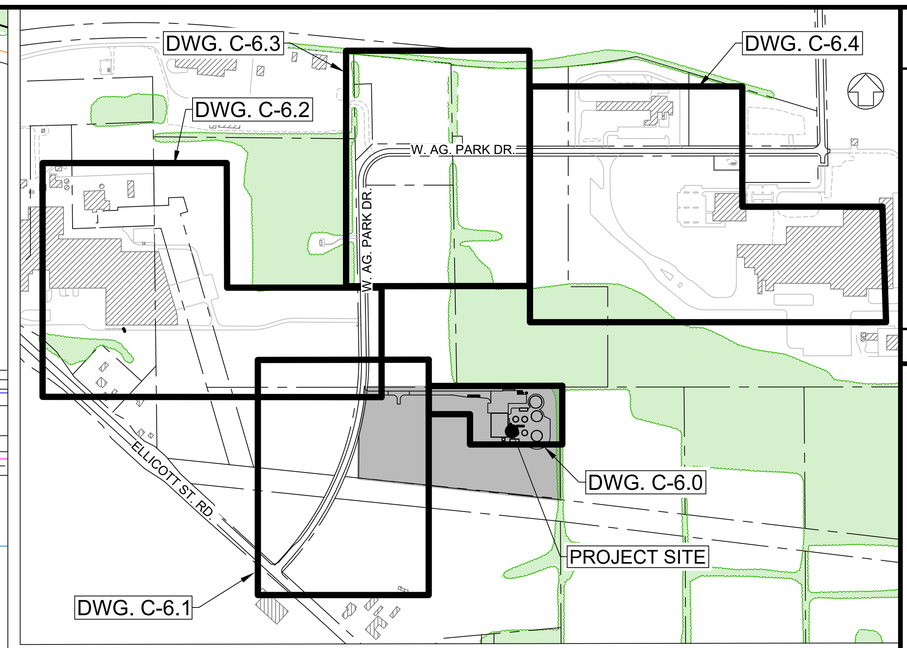
UTILITY PLAN - IV

Sheet	Drawing Number
16 OF 20	C-6.3
Date: 12/5/2023	
Scale: 1" = 80'	



UTILITY PLAN LEGEND

- SAN F.M. / SAN F.M. — NEW PRIVATE UTILITY CORRIDOR (MULTIPLE POTENTIAL PIPES)
- 1" SAN F.M. — NEW PRIVATE SANITARY SEWER FORCEMAIN (& FLOW DIRECTION ARROW)
- 6" W — NEW PUBLIC WATER LINE
- 6" W — NEW PRIVATE WATER SERVICE W/ HYDRANT
- RNG — NEW PRIVATE GAS/RNG DELIVERY LINE
- SAN — EXISTING PUBLIC SANITARY SEWER GRAVITY LINE W/ MANHOLE
- 10" SAN. F.M. — EXISTING PUBLIC SANITARY SEWER FORCEMAIN
- EX GAS — EXISTING GAS LINE
- EX OHE — EXISTING OVERHEAD ELECTRIC LINE
- EX 8"W — EXISTING WATER LINE W/ HYDRANT



DRAWING KEY MAP
Scale: 1" = 500'

0 80 160 Feet

APPROVAL SIGNATURE: STEVEN J. MOUNTAIN, P.E. TOWN OF BATAVIA – TOWN ENGINEER — DATE

No.	Revision/Issue	Date
Revisions		

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PINEWOODS ENGINEERING
LAND DEVELOPMENT
& STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

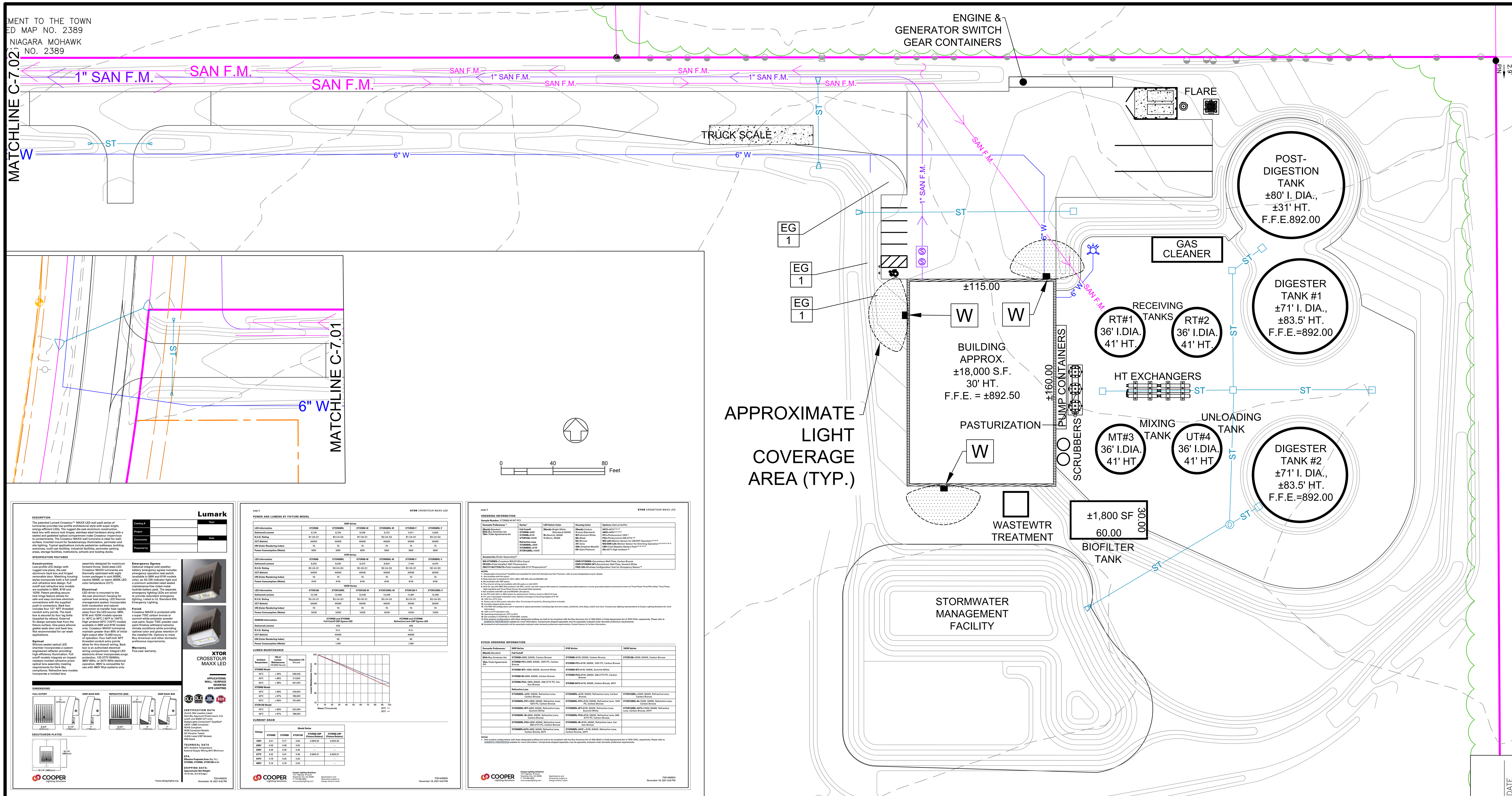
Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

UTILITY PLAN - V

Sheet	Drawing Number
17 OF 20	C-6.4
Date: 12/5/2023	
Scale: 1" = 80'	



LIGHTING LEGEND

SYMBOL	LABEL	QTY	LUMENS	MTG. HT.	WATTS	MANUFACTURER	DESCRIPTION
■	W	3	±6,000	6-FT	58	COOPER LIGHTING SOLUTIONS	XTOR CROSSTOUR MAXX LED, WALL INVERTED SITE LIGHTING

LANDSCAPING LEGEND

SYMBOL	KEY	COMMON NAME	QUANTITY	SIZE	ROOT	REMARKS
	EG	THUJA GREEN GIANT ARBORVITAE	3	3-4' HT.	B&B	Scale 1"=40' :

Revisions

No.	Revision/Issue	Date

APPROVAL SIGNATURE: DATE

STEVEN J. MOUNTAIN, P.E., TOWN ENGINEER
TOWN OF BATAVIA

Notes & References

CONTRACTOR SHALL CONTACT "DIG SAFELY" NEW YORK @ 1-800-962-7962 FOR LOCATION OF ALL UTILITIES, AT LEAST 7 DAYS PRIOR TO BEGINNING CONSTRUCTION

UNAUTHORIZED ALTERATIONS OF THIS DOCUMENT ARE IN VIOLATION OF SECTION #7209 OF THE STATE EDUCATION LAW

Applicant

CH4 BIOGAS
GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer's Seal

STATE OF NEW YORK · SARA LYNN GILBERT · 087296 · LICENSED PROFESSIONAL ENGINEER

PRELIMINARY
NOT FOR CONSTRUCTION

Prepared By

PWE
PINEWOODS ENGINEERING
LAND DEVELOPMENT & STORM WATER MANAGEMENT
42 Aston Villa, North Chili, New York 14514
Phone: (585) 261-7852

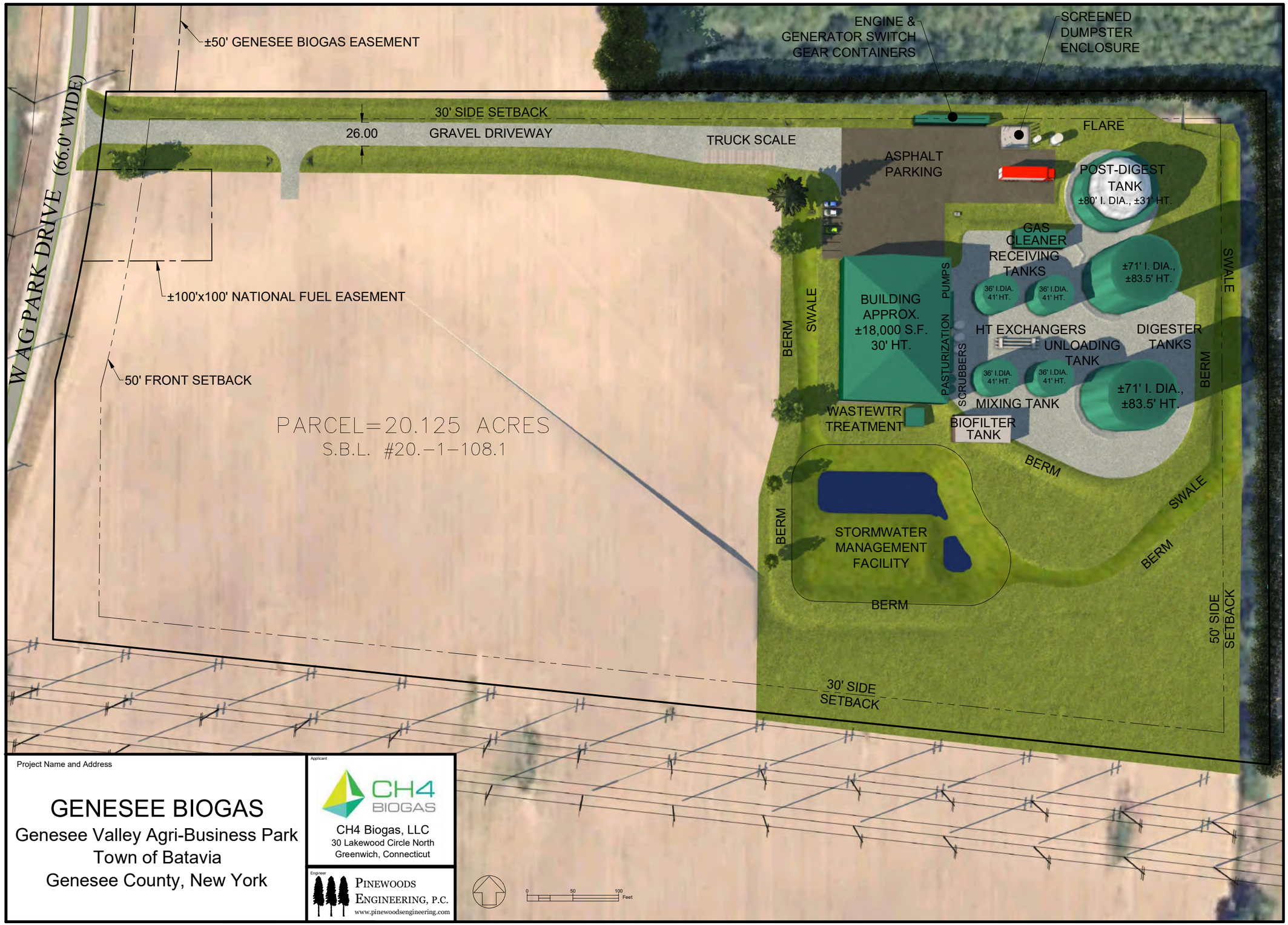
Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

LIGHTING & LANDSCAPE PLAN

Sheet: 20 OF 20	Drawing Number: C-7.0
Date: 12/5/2023	
Scale: 1" = 40'	



Project Name and Address

GENESEE BIOGAS

Genesee Valley Agri-Business Park
Town of Batavia
Genesee County, New York

Applicant

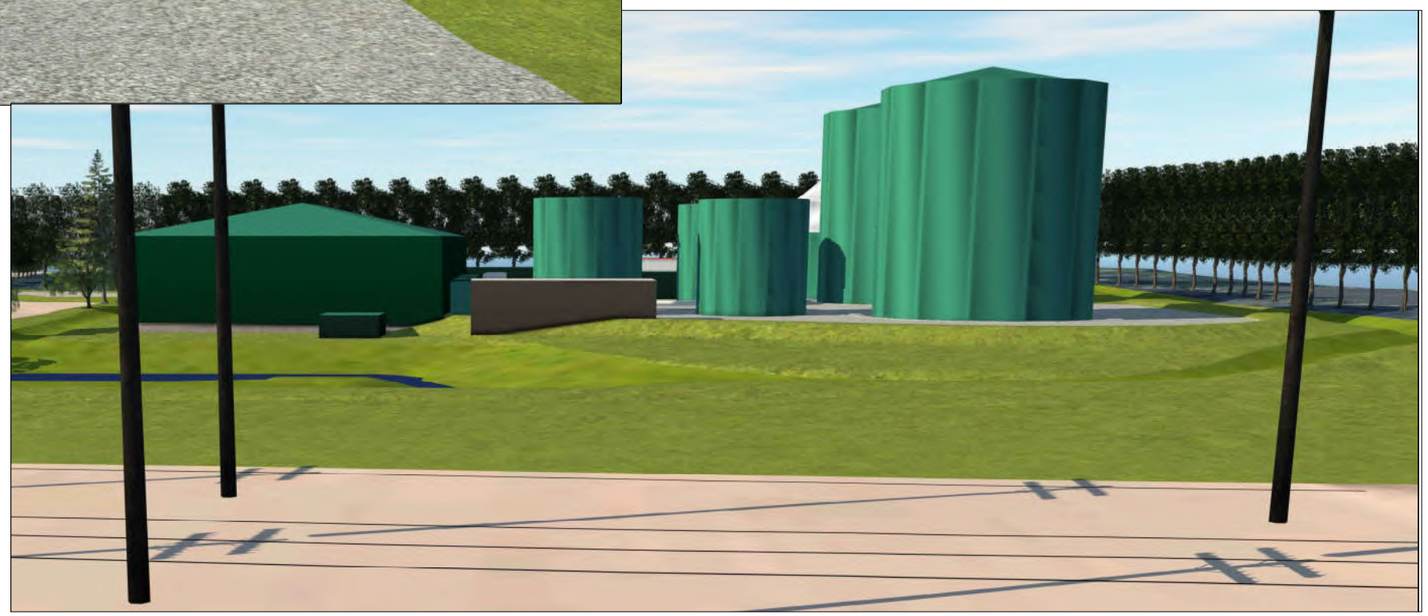
CH4 BIOGAS

CH4 Biogas, LLC
30 Lakewood Circle North
Greenwich, Connecticut

Engineer

PINEWOODS ENGINEERING, P.C.
www.pinewoodsengineering.com

0 50 100 Feet



Project Name and Address

GENESEE BIOGAS

Genesee Valley Agri-Business Park
Town of Batavia
Genesee County, New York

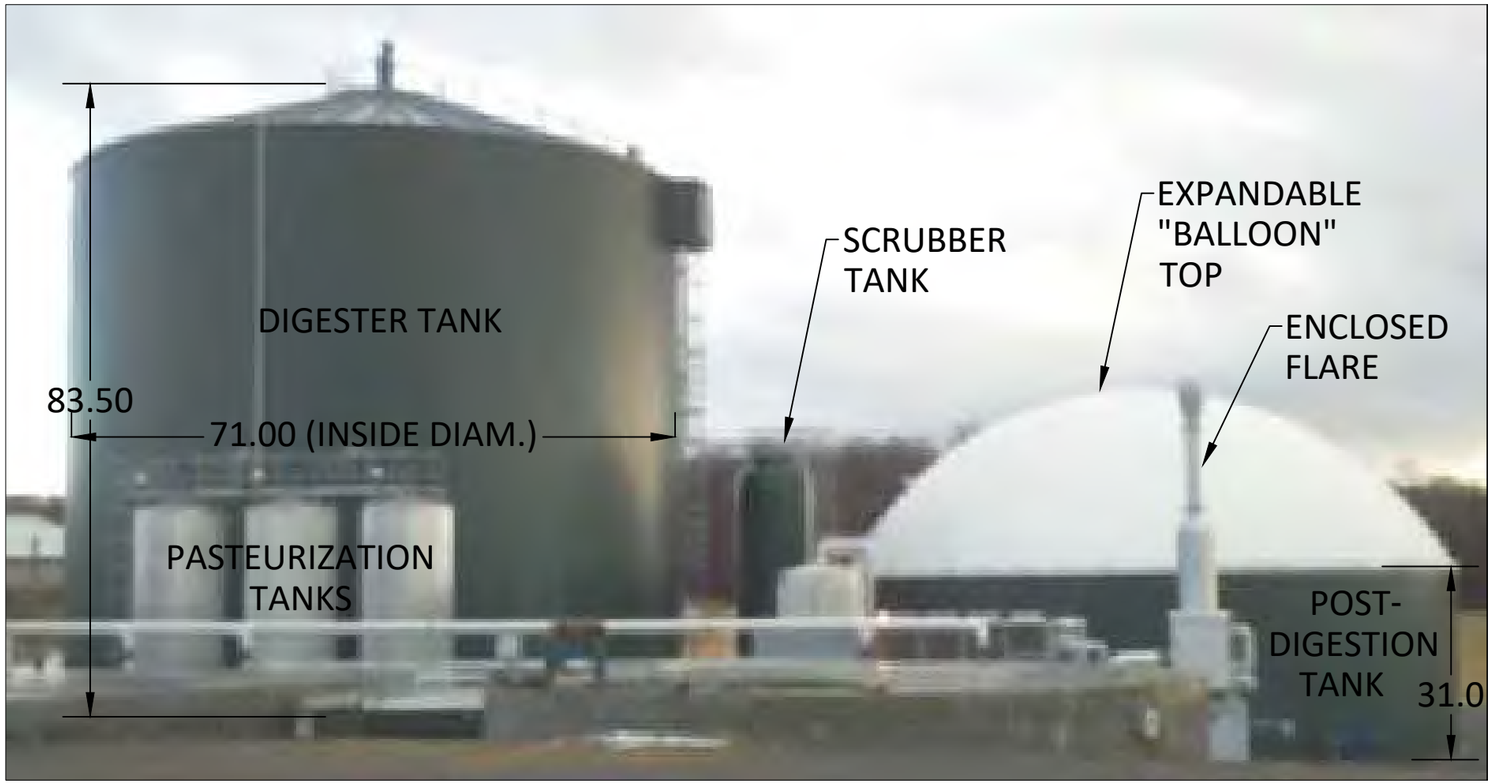
Applicant

CH4 BIOGAS

CH4 Biogas, LLC
30 Lakewood Circle North
Greenwich, Connecticut

Engineer

PINEWOODS ENGINEERING, P.C.
www.pinewoodsengineering.com



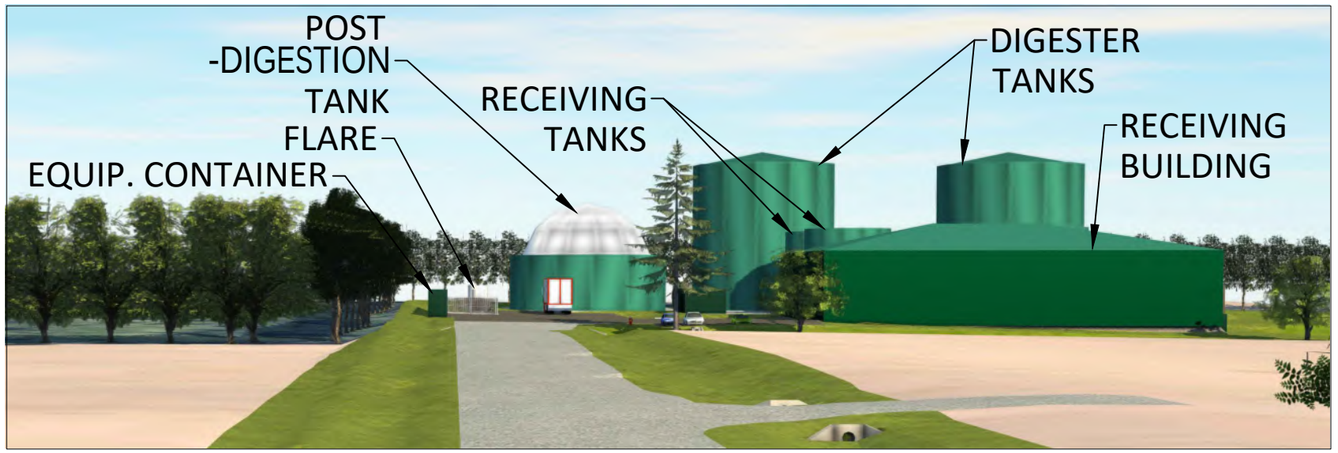
Digester & Post-Digestion Tank Elevation

Scale: 1" = 20'

0 20/80 40/160

Receiving Building Elevation

Scale: 1" = 80'



Applicant

GENESEE BIOGAS, LLC
30 Lakewood Circle North
Greenwich, Connecticut 068430

Engineer

PINEWOODS ENGINEERING, P.C.

Project Name and Address

GENESEE BIOGAS
Genesee Valley Agribusiness Park
W Ag Park Dr
Town of Batavia
Genesee County, New York

Drawing Name

TANK ELEVATIONS

Date

11/17/2023


W Ag Park Dr
13.-1-87.11
13.-1-87.124
13.-1-167.1
13.-1-165.111
20.-1-108.1
20.-1-1.22
20.-1-1.124
20.-1-104
20.-1-123
20.-2-68
Ellicott Street Rd
20.-2-4.113
20.-1-1.125
20.-1-6.11
20.-2-63
20.-2-64
20.-1-4
20.-1-5.11
20.-1-71
20.-1-2
Shepard Rd
20.-1-72.1
20.-1-3
20.-1-70
20.-1-72.2
20.-1-68