Town of Manlius
Virtual Planning Board Meeting Agenda
June 22, 2020
6:30PM

1. Pledge Of Allegiance

2. Approval Of Minutes - June 8, 2020

   Documents:

   JUNE 8, 2020.PDF

3. Taft Solar, LLC - Andrew Day - 41 West Elm Street, Greenwich, CT 06830 - Site Plan - Solar Array - 6787 Taft Road, East Syracuse, NY 13057 - Tax Map # 034.-01-20.1

   Documents:

   6966 EAST TAFT ROAD - SITE PLAN - CONCEPT.PDF
   6966 EAST TAFT ROAD - SITE PLAN - EAF SUBMITTAL COMPILED 2-6-20.PDF
   6966 EAST TAFT ROAD - SITE PLAN - LOI MANLIUS TOWN BOARD.PDF
   6966 EAST TAFT ROAD - SITE PLAN - SEQR PACKET.PDF
   6966 EAST TAFT ROAD - SITE PLAN - TAFT ROAD SOLAR CIVIL PLANS 03-11-2020.PDF
   6966 EAST TAFT ROAD - SITE PLAN -APPLICATIONTAFT.PDF
   6966 EAST TAFT ROAD - SPECIAL PERMIT APPLICATION.PDF
   6966 EAST TAFT ROAD - SPECIAL PERMIT GML RETURN.PDF

4. 8490 Salt Springs Road, Manlius, NY 13104 - Everland Holding - 2-Lot Subdivision - Tax Map # 100.-01-11.1

   Documents:

   2- LOT SUBDIVISION - EVERLAND HOLDING -8490 SALT SPRINGS ROAD.PDF

5. 5538 North Burdick Street, LLC - 125 E. Jefferson St., Syracuse, NY 13202 Initial Presentation- Site Plan - Dentist Office 5538 North Burdick Street, Fayetteville, NY 13066 Tax Map # 086.-02-07.1

   Documents:

   5538 NORTH BURDICK STREET - ZONE CHANGE - APPLICATION.PDF
   5538 NORTH BURDICK STREET - ZONE CHANGE - CONCEPT SITE PLAN.PDF
   5538 NORTH BURDICK STREET - ZONE CHANGE - DEED OF PROPERTY.PDF
   5538 NORTH BURDICK STREET - ZONE CHANGE - DISCLOSURE AFFIDAVIT.PDF
   5538 NORTH BURDICK STREET - ZONE CHANGE - EAF.PDF
   5538 NORTH BURDICK STREET - ZONE CHANGE - LETTER FROM DEC.PDF
   5538 NORTH BURDICK STREET - ZONE CHANGE - PLANNING BOARD APPLICATION - DENTAL OFFICE.PDF

6. Other Business

7. Adjournment

TOWN OF MANLIUS
PLANNING BOARD MINUTES
June 8, 2020

DRAFT

The Town of Manlius Planning Board convened with the members live streaming from their homes and in accordance with the Executive Order of the Governor to assure compliance with the Open meetings Law. Chairperson Joseph Lupia presided, and the following Members were present: Fred Gilbert, Ann Kelly, Mike LeRoy, and Richard Rossetti. Also, present were Attorney Jamie Sutphen and Town Engineer Douglas Miller.

Absent: Member Mento and Member Poltenson

Other persons attending the virtual meeting: Craig Nicholas, Brian Holmes, Drazen Gasic, Andrew Day, Don Hoefler, Jodi Hunt and Teddy Epstein.

Chairperson Lupia explained the procedures that would be followed for the live stream meeting. The Pledge of Allegiance was recited.

Chairperson Lupia introduced new Planning Board Member Rich Rossetti.

Minutes
Member Rossetti made a motion, seconded by Member LeRoy and carried unanimously to approve the minutes of May 11, 2020. Member Kelly abstained.

Craig Nichols - Green Lakes Lanes, 7930 E. Genesee Street, Fayetteville, 13066
Initial Presentation – Amended Site Plan – Ice Cream Window
7930 East Genesee Street, Fayetteville, NY 13066
Tax Map # 090.-01-04.0

Craig Nichols and Brian Holmes, Applicants, stated that they would like to start offering ice cream to their customers and have an ice cream window located at Green Lakes Lanes Bowling Alley. They would like a walk-up window.

Member Rossetti asked if the Site Plan that was submitted was based on a survey? Mr. Nichols said yes. Member Rossetti stated that the property is very close to Route 5 and it may be in the Right of Way. Engineer Miller said that it looks like a survey, but it is not stamped as a Licensed Survey.

Chairman Lupia asked about entering Genesee Street from a wide area. There is no particular entrance or exit from the property. Mr. Nichols said that he is correct. Member Rossetti said that there is no curbing. Chairman Lupia asked what is there to control the traffic if there are multiple entrances and exits, safety issues. Mr. Nichols said that this is the configuration of the parking lot when they bought the place, the only thing that is

different is that they are taking a little bit of the parking away and it may limit more access points.

Member Rossetti said that the problem may be that there is no drive lane in front of the building, to create a curb cut could be difficult because you cannot get to it.

Conversation ensued regarding parking on the lower level of the property.

Member Kelly and Engineer Miller asked to see a completed survey.

Chairman Lupia asked Clerk Beeman if the referral had been made to the Onondaga County Planning Board. Clerk Beeman said yes and we should hear back from them on June 10.

Attorney Sutphen said that the concern for this Board is that the State Department of Transportation is going to weigh in on this project. She is skeptical on whether or not they will approve anything that would continue allowing that open access to the parking. Once the DOT looks at the plan, they may allow it but likely will have to close the roadways/curb cuts.

After further discussion regarding the parking lot and waiting to hear from the State DOT, the Board agreed to table this application until June 22, 2020 until more information is received.

Andrew Day, Taft Solar LLC., 41 West Elm St., Suite C, Greenwich, CT 06830
Initial Presentation – Site Plan – Solar Array
6966 Taft Road, East Syracuse, NY 13057
Tax Map # 034.-01-20.1

Chairman Lupia stated that the Applicant has appeared in front of the Town Board and has received a Special Permit from the Town Board. They are in front of the Planning Board tonight for an initial presentation for Site Plan.

Drazen Gasic, LaBella Associates, Andrew Day, Source Renewables, and Don Hoefler, LaBella Associates, Applicants. Mr. Gasic told the Board that this will be a 4.35-megawatt Community Solar Array. The parcel is 37.7-acre and is currently zoned RA, there will be approximately 11,000 modules utilizing a single access tracker system; 9.7 feet in height and 6.6 feet in width. There will be an access road with clean stone fill. There will be a 6-foot-high chain link fence for security purposes and there will be new landscaping to screen the site and minimal vegetation removal.

Member Rossetti asked about easements on the property. Mr. Gasic said that that there are no easements crossing the development footprint. Member Rossetti asked about the airport and what if anything the FAA had to say about the project. Mr. Gasic said they have spoken to the FAA and there are no problems with the site being where it is.

Chairman Lupia asked how many acres of the site is being used. Mr. Gasic said 17.28 acres.

Member Rossetti asked if the panels are moveable. The Applicant said yes, they will move with the sun.

After further discussion regarding materials that Engineer Miller still needs from the Applicant to move toward an approval, the Board agreed to table this application until June 22, 2020 until more information is received.

Falck Renewables, One Bridge Street, Suite 11, Irvington, NY 10533
Initial Presentation – Recommendation for Special Permit – Solar Array
5062 North Eagle Village Road, Manlius, NY 13104
Tax Map # 098.-01-15.0

Jodi Hunt, TetraTech and Teddy Epstein, Falck Renewables, Applicants, presented a slide show to the Board regarding the project. This will be a Community Solar Array.

The property is a total of 44.71 acres, the proposed solar array will take up approximately 21.3 acres and the property is currently zoned RA. There is a good amount of thick vegetative screening on site, the screening will not be taken down. The panels will be stationary and there will be a gravel access road with a small equipment pad.

Member Rossetti stated that the Board has received letters from neighbors opposing this project. He asked if the Applicant could place some stakes or flagging on the corners of the project so the Board could see the project and what it could look like from the neighbors' point of view.

Conversation ensued regarding the decommissioning plan and the lease agreements between the applicants and the property owners.

Member Rossetti made a motion, seconded by Member LeRoy , all members voted in favor except Member Kelly who voted in the negative, to give a positive recommendation to the Town Board for the issuance of a Special Use Permit. The Applicant will return to this Board for Site Plan approval at a later date. Member Kelly is opposed to this project, she believes that the project is too close to the road. Member Kelly would like more time to consider it.

Falck Renewables, One Bridge Street, Suite 11, Irvington, NY 10533
Initial Presentation – Recommendation for Special Permit – Solar Array
8507 Green Lakes Road, Fayetteville, NY 13066
Tax Map # 082.-02-15.1

Jodi Hunt, TetraTech and Teddy Epstein, Falck Renewables, Applicants, presented a slide show to the Board regarding the project. This will be a Community Solar Array.

The property is a total of 147.43 acres, the proposed solar array will take up approximately 23.4 acres and the property is currently zoned RA. There is an already existing Special Use Permit that was given by the Town Board in 2017, but the project was never built; furthermore, there was a negative declaration for SEQR for the northern portion of the site. The panels will be stationary and there will be a gravel access road with a small equipment pad. This project has clearance from the FAA.

Conversation ensued regarding the decommissioning plan and the lease agreements between the applicants and the property owners.

Chairman Lupia asked if the berm is staying on the property. Ms. Hunt said yes and a 7 -foot fence will be installed.

Member LeRoy asked about a timeline for the project. Ms. Hunt said about 4 months, give or take.

Member Rossetti made a motion, seconded by Member LeRoy and carried unanimously to give a positive recommendation to the Town Board for the issuance of a Special Use Permit. The Applicant will return to this Board for Site Plan approval at a later date.

OTHER BUSINESS

With there being no further business, Member Gilbert made a motion, seconded by Member LeRoy, and carried unanimously to adjourn the Regular Meeting at 8:00 pm.

Respectfully submitted,
Lisa Beeman, Clerk

DRAFT

PARCEL INFORMATION

APPLICANT	SOURCE RENEWABLES LLC
PARCEL ADDRESS	6966 TAFT ROAD, EAST SYRACUSE, NY 13057
TAX NUMBER	034.000-1-20.1
PARCEL AREA	37.682 ACRES
PROJECT AREA	17.3 ACRES
EXISTING IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 0 SF GRAVEL 0 SF ASPHALT 0 SF TOTAL 0.00 AC
PROPOSED IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 910 SF GRAVEL 20,003 SF ASPHALT 0 SF TOTAL 0.48 AC
PANEL COVERAGE	6.35 ACRES
TOTAL DISTURBANCE AREA	**0.86 ACRES**

ZONING INFORMATION

	REQUIRED	PROPOSED
CLASSIFICATION	RESIDENTIAL - AGRICULTURAL DISTRICT (R-A)	
FRONT SETBACK	50 FT	±65 FT
SIDE SETBACK	50 FT	±51 FT
REAR SETBACK	50 FT	±72 FT

WETLAND INFORMATION

	EXISTING	PROPOSED
WETLANDS WITHIN PROPERTY	2.62 ACRES	2.62 ACRES

MODULE

MANUFACTURER	HANWHA Q-CELLS USA
MODULE MODEL	Q.PEAK DUO L-G5.3 395
MODULE OUTPUT	395W
MODULE COUNT	13,552
DC SYSTEM OUTPUT	5.35 MWDC
DESIGN TEMPERATURES	
EXTREME MINIMUM	-24°C

INVERTER

MANUFACTURER	SUNGROW
INVERTER NOMINAL OUTPUT POWER	
@50°C, PF=1	2500kVA
QUANTITY/TOTAL	2
AC SYSTEM OUTPUT NOM	3.4 MWAC

RACKING

MANUFACTURER	RBI OR APVD EQUAL
TILT	20°
PITCH	22.0 FT
FOUNDATION	PILE DRIVEN POSTS
CONFIGURATION	1-UP PORTRAIT
AZIMUTH	177°

PROJECT SITE

INTERCONNECTION VOLTAGE	13.2kV ASSUMED
AREA INSIDE FENCELINE	16.20 ACRES

WETLAND

100' WETLAND BUFFER ZONE

LaBella
Powered by partnership.

TAFT ROAD SOLAR, LLC

TOWN OF MANILIUS, ONONDAGA COUNTY

SCALE: 1"=100'

N

Source Renewables

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: Taft Solar Development		
Project Location (describe, and attach a general location map): Taft Road, Town of Manlius, Onondaga County, New York 13057 (tax parcel # 034.-01-20.1); see attached USGS map		
Brief Description of Proposed Action (include purpose or need): Source Renewables, LLC is developing plans for the installation of one 3.4 MW-AC solar array to be installed on vacant grassland located at Taft Road (Parcel ID: 034.-01-20.1), which is located in the Town of Manlius. The purpose of the project is to generate clean renewable energy for local residences and businesses. Activities include the installation of a ground-mounted solar energy system of approximately 13,552 freestanding modules/panels, new electrical equipment, including two transformers/inverters on concrete pads, and accessories including approximately 1,268 linear ft. of underground electrical line, unimproved and gravel access roads and a chain-link fence. The maximum depth of ground disturbance will not exceed 4 ft and the helix screws (or H-piles) of the solar tables will be installed at a depth of approximately 8-10 ft. New landscaping will be installed to screen the project site along Taft Road. There will be minimal vegetation removal, minimal grading, and minimal ground disturbance from solar module installation. The maximum extent of ground disturbance will be less than 1 acre. For additional details, see attached USGS location map and site drawings.		
Name of Applicant/Sponsor: Taft Solar, LLC (Mr. Andrew Day)	Telephone: 203-542-5651 E-Mail: aday@sourcerenew.com	
Address: 41 West Elm Street, Suite C		
City/PO: Greenwich	State: CT	Zip Code: 06830
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Gratzer Family Trust Site parcels are to be purchased by a subsidiary of Taft Solar, LLC prior to the start of construction.	Telephone: N/A E-Mail: N/A	
Address: 6787 Taft Road		
City/PO: East Syracuse	State: New York	Zip Code: 13057

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	Town Board - Special Use Permit	Pending
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Site Plan Approval	Pending
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	County IDA - PILOT Agreement	Pending
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSERDA- Funding; SHPO- Sign-off; NYSDEC- Wetland Permit	Pending
h. Federal agencies ☑Yes ☐No	USACE - Permit for culvert	Pending

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):

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?
Restricted Agriculture, with Technical Development Overlay (TD/O) on northern portion of the parcel

b. Is the use permitted or allowed by a special or conditional use permit? Special Use Permit from Town Board ☑ 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? East Syracuse- Minoa

b. What police or other public protection forces serve the project site?
Town of Manlius Police Department

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

d. What parks serve the project site?
Cicero Swamp Wildlife Management Area, Central Park softball fields, Gateway Community Park, Maxwell Park

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)?
Commercial Solar Energy Facility Installation

b. a. Total acreage of the site of the proposed action? +/-17.3 acres
b. Total acreage to be physically disturbed? +/-0.8 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? +/-17.3 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: +/-6 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, Note, we defined solar panels (modules) as structures.
i. Total number of structures +/-13,552 (modules/panels) and 2 transformers/inverters on concrete pads (approx. 900 sf. total).
ii. Dimensions (in feet) of largest proposed structure: +/-9 ft height; +/-6.5 ft width; and +/-3.5 length (applies to solar modules/ panels only)
iii. Approximate extent of building space to be heated or cooled: 0 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.
_____
_____
iv. 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): A NYSDEC freshwater wetland (ID: SYE-3), Class C Stream, Federal freshwater pond and riverine wetland are located on the project parcel.

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:
The solar arrays will be constructed w/in the NYSDEC 100-ft. wetland buffer and an appropriate NYSDEC permit will be obtained. Additionally, a US Army Corps of Engineers permit will be obtained for the culvert installation.

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:
The site development plans are designed to minimize disturbance so that reclamation is not necessary.

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: _____ 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: _____
- 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: _____
- Source(s) of supply for the district: _____

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: _____

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: _____ 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): _____

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

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- 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):

_____

vi. Describe any plans or designs to capture, recycle or reuse 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

The proposed project will disturb approx. 0.8 acres of land.

If Yes:

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

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

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)?

_____

- 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)

_____

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

_____

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

_____

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:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____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): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

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: _____

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

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: Potentially 7 am - 9pm
- Saturday: Minimal if any
- Sunday: Minimal if any
- Holidays: Minimal if any

ii. During Operations:

- Monday - Friday: 24 hours per day
- Saturday: 24 hours per day
- Sunday: 24 hours per day
- Holidays: 24 hours per day

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:

Intermittent construction noise could exceed existing ambient noise levels for short periods of time during daytime construction activities. Once operational, noise levels exceeding the existing ambient noise levels are not anticipated.

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:

Propane-fueled rental lights could be present on-site during construction activities and will be removed upon completion.

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: _____

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

The solar project site itself will not contain any bulk storage.

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: TBD tons per TBD (unit of time)
- Operation : N/A tons per N/A (unit of time)

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

- Construction: Construction debris of disposable wrapping and containers will be recycled when appropriate.
- Operation: N/A

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

- Construction: The exact disposal method will be determined by the contractor and will follow all applicable NYSDEC guidelines and standards.
- Operation: N/A

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 (including gravel road)	0	+/-0.5	+0.5
• Forested (hedgerow)	+/-0.5	+/-0.2	-0.3
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	+/-14.1	+/-7.5	-6.6
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	+/-0.1	+/-0.1	0
• Wetlands (freshwater or tidal)	+/-2.6	+/-2.6	0
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Solar tables with grass underneath	0	+/-6.4	+6.4

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): Spill #0702926

☐ 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):

NYSDEC Spill #0702926 is identified in the area under the power lines located on the northern portion of the project site. Per the NYSDEC Spill listing, hydraulic oil spilled to the soil in 2007. The spill has since been closed.

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? +/- 6.6 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:

Niagara silt loam	+/-55 %
Hilton loam	+/-25 %
Appleton loam	+/-10 %

d. What is the average depth to the water table on the project site? Average: +/- 0.8 feet Varies from <1 ft. to +/- 2 ft.

e. Drainage status of project site soils:
- ☐ Well Drained: _____ % of site
- ☑ Moderately Well Drained: +/-25 % of site
- ☑ Poorly Drained +/-75 % 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 895-21 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters & NYS Wetland Approximate Size +/-2.4 acres
- Wetland No. (if regulated by DEC) SYE-3

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: _____

Name: Ley Creek & Tributaries Pollutants: Pathogens, Nutrients, Ammonia, Other Inorganics Uses: Recreation, Public Bathing, Aquatic Life

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: _____

m. Identify the predominant wildlife species that occupy or use the project site:
The project site will be fenced off but some typical suburban/rural species, such as squirrels, rabbits, raccoons, woodchucks, chipmunks, rodents, deer, foxes, coyote, songbirds, crows, raptors, frogs, and snakes may pass through.

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): _____
In addition to the Indiana Bat identified by the NYSDEC EAF Mapper, U.S. Fish & Wildlife Service (USFWS) lists the Northern Long-eared Bat (NLEB), and the Eastern Massasauga (rattlesnake) as potential species of concern at the project site. Consultation with the NYSDEC and USFWS is ongoing.

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: _____

b. Are agricultural lands consisting of highly productive soils present? ☑ Yes ☐ No
i. If Yes: acreage(s) on project site? Approximately 28 acres (+/-75% of the project area)
ii. Source(s) of soil rating(s): US U.S. Department of Agriculture - Natural Resource Conservation Service - Web Soil Survey (Groups 1-4)

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

See attached SHPO "No Effect" letter.

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:

See attached SHPO "No Effect" letter.

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.

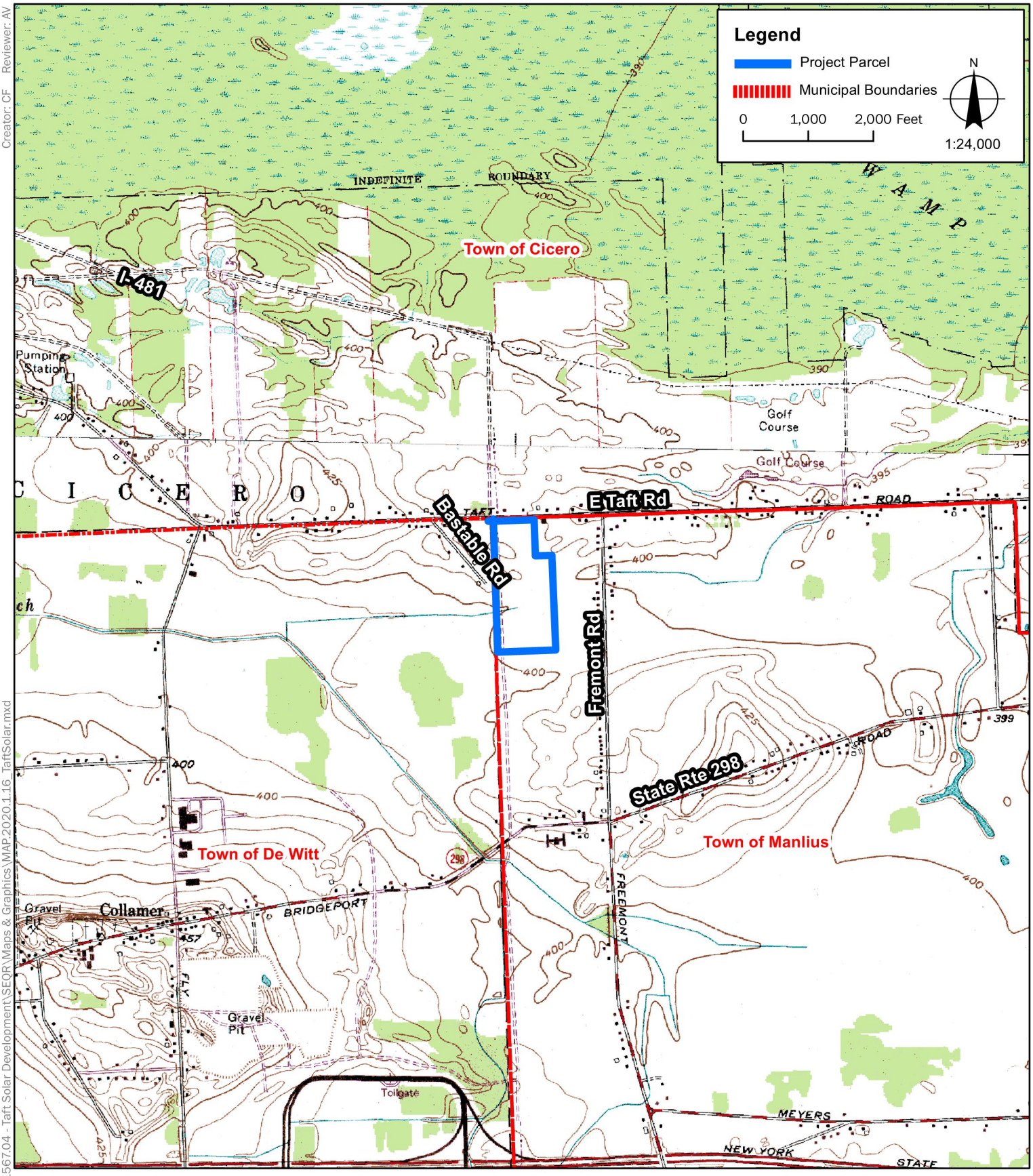
G. Verification

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

Applicant/Sponsor Name Taft Solar, LLC (Andrew Day) Date 02/06/2020

Signature [signature] Title Civil Engineer LaBella Associates
Acting Agent for Andrew Day

PRINT FORM



Sources:
1. USGS Map: ArcGIS basemap
2. Roads: TIGER 2010
3. Municipal Boundaries: NYS GIS Office 2018

LaBella
Powered by partnership.

TAFT SOLAR, LLC

TAFT ROAD SOLAR ARRAY

LaBella Project No: 2191567.04
Date: FEBRUARY 2020

USGS SITE LOCATION MAP

FIGURE 1

Path: J:\Source Renewables\2191567.04 - Taft Solar Development\SEQR\Maps & Graphics\MAP 2020.1.16_TaftSolar.mxd

Creator: CF Reviewer: AV

Services News Government Local Translate

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Environmental Resource Mapper

Base Map: NYS Aerial Using this map

Search

Tools

Layers and Legend

- All Layers
- Unique Geological Features
- Waterbody Classifications for Rivers/Streams
- Waterbody Classifications for Lakes
- State Regulated Freshwater Wetlands (Outside of the Adirondack Park)
  - State Regulated Wetland Checkzone
- Significant Natural Communities
  - Natural Communities Near This Location
- Rare Plants or Animals

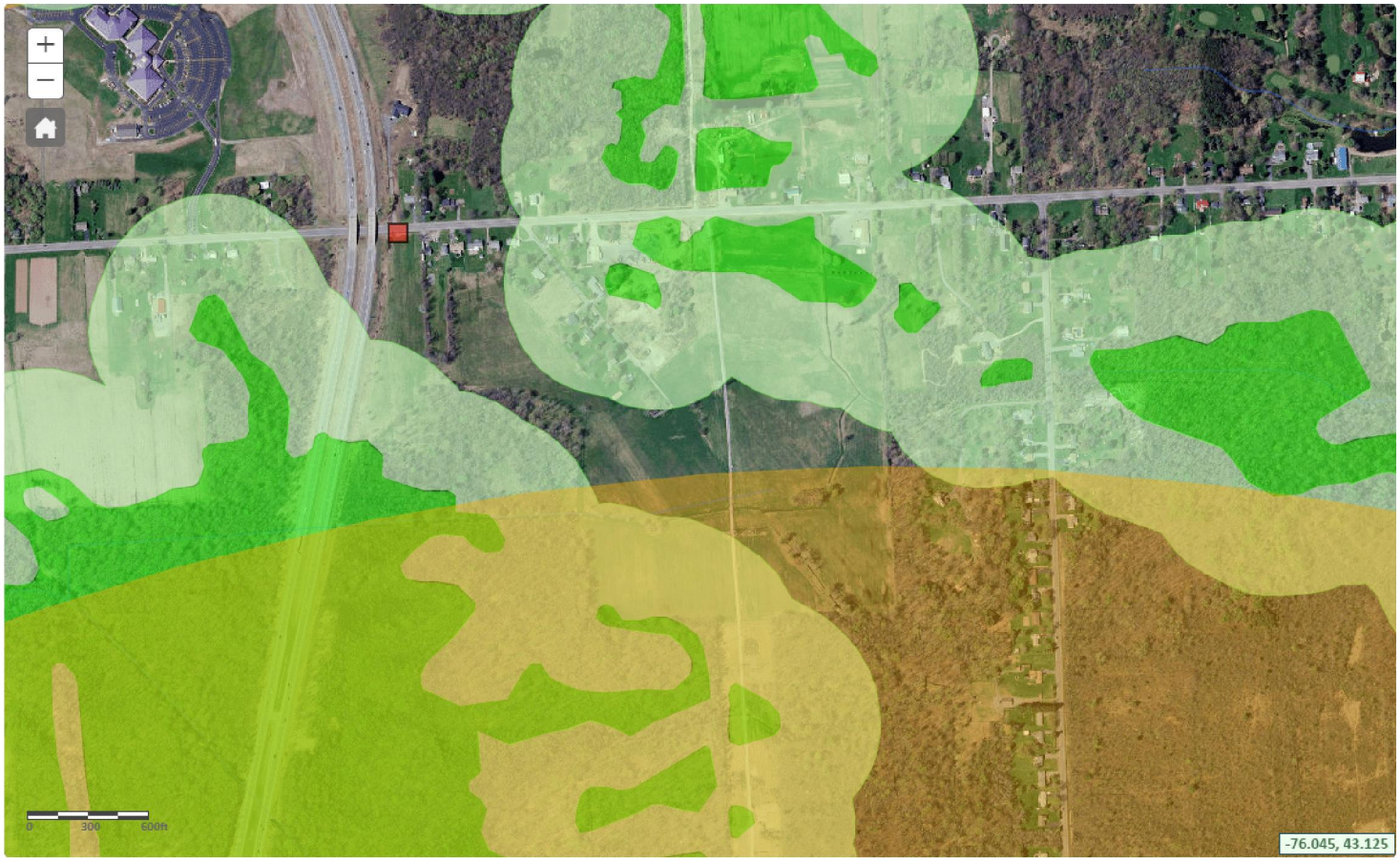
Other Wetland Layers

Reference Layers

Tell Me More...

Need A Permit?

Contacts



NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

February 05, 2020

Alexandra Vitulano
Environmental Analyst
LaBella A
300 State St, Suite 201
Rochester, NY 14614

Re: NYSERDA
Taft Solar
Town of Manlius, Onondaga County, NY
20PR00799

Dear Alexandra Vitulano:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Roger Daniel Mackay

R. Daniel Mackay

Deputy Commissioner for Historic Preservation
Division for Historic Preservation

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Onondaga County, New York

Local office

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699

3817 Luker Road
Cortland, NY 13045-9385

http://www.fws.gov/northeast/nyfo/es/section7.htm

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

---

1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

NOT FOR CONSULTATION

Indiana Bat Myotis sodalis There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat Myotis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Reptiles

NAME	STATUS
Eastern Massasauga (=rattlesnake) Sistrurus catenatus No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2202	Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

NOT FOR CONSULTATION

Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

NOT FOR CONSULTATION

NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Dec 1 to Aug 31
Black-billed Cuckoo *Coccyzus erythropthalmus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Bobolink *Dolichonyx oryzivorus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31

Canada Warbler Cardellina canadensis This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cerulean Warbler Dendroica cerulea This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 20 to Jul 20
Snowy Owl Bubo scandiacus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

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To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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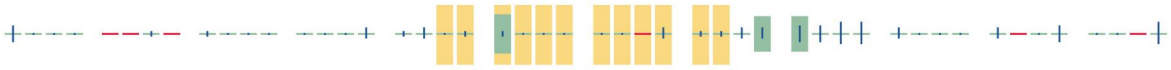
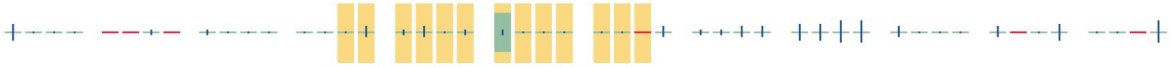
Canada Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Cerulean Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Snowy Owl
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

Wood Thrush
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

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Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

NOT FOR CONSULTATION

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

NOT FOR CONSULTATION

FRESHWATER FORESTED/SHRUB WETLAND

PFO1C
PFO1A

FRESHWATER POND

PUBHx

RIVERINE

R5UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

EAF Mapper Summary Report

Friday, January 31, 2020 11:50 AM

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]	Yes
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.iv [Surface Water Features - Stream Name]	895-21
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):30.6
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	SYE-3
E.2.h.v [Impaired Water Bodies]	Yes

E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Ley Creek and tribs – Pathogens;Nutrients;Ammonia;Other Inorganics – Recreation;Public Bathing;Aquatic Life
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Indiana Bat
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
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

1 C002 OVERALL SITE PLAN

SCALE: 1" = 100'

PROJECT DATA UNIT B

PARCEL INFORMATION

APPLICANT	SOURCE RENEWABLES LLC
PARCEL ADDRESS	6966 TAFT ROAD, EAST SYRACUSE, NY 13057
TAX NUMBER	034.000-1-20.1
PARCEL AREA	37.682 ACRES
PROJECT AREA	17.3 ACRES
EXISTING IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 0 SF GRAVEL 0 SF ASPHALT 0 SF TOTAL 0.00 AC
PROPOSED IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 910 SF GRAVEL 20,003 SF ASPHALT 0 SF TOTAL 0.48 AC
PANEL COVERAGE	6.35 ACRES
TOTAL DISTURBANCE AREA	**0.86 ACRES**

ZONING INFORMATION

	REQUIRED	PROPOSED
CLASSIFICATION	RESIDENTIAL - AGRICULTURAL DISTRICT (R-A)	
FRONT SETBACK	50 FT	±65 FT
SIDE SETBACK	50 FT	±51 FT
REAR SETBACK	50 FT	±72 FT

WETLAND INFORMATION

	EXISTING	PROPOSED
WETLANDS WITHIN PROPERTY	2.62 ACRES	2.62 ACRES

SYSTEM SUMMARY (UNIT B)

MODULE

MANUFACTURER	HANWHA Q-CELLS USA
MODULE MODEL	Q.PEAK DUO L-G5.3 395
MODULE OUTPUT	395W
MODULE COUNT	13,552
DC SYSTEM OUTPUT	5.35 MWDC
DESIGN TEMPERATURES	
EXTREME MINIMUM	-24°C

INVERTER

MANUFACTURER	SUNGROW
INVERTER NOMINAL OUTPUT POWER	
@50°C, PF=1	2500kVA
QUANTITY/TOTAL	2
AC SYSTEM OUTPUT NOM	4 MWAC ???

RACKING

MANUFACTURER	RBI OR APVD EQUAL
TILT	20°
PITCH	22.0 FT
FOUNDATION	PILE DRIVEN POSTS
CONFIGURATION	1-UP PORTRAIT
AZIMUTH	177°

PROJECT SITE

INTERCONNECTION VOLTAGE	13.2kV ASSUMED
AREA INSIDE FENCELINE	16.20 ACRES

WETLAND

100' WETLAND BUFFER ZONE

LaBella
Powered by partnership.

300 State Street, Suite 201
Rochester, NY 14614
585-454-6110

labellapc.com

NOT FOR CONSTRUCTION

It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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SOURCE RENEWABLES, LLC

41 WEST ELM ST, SUITE C
GREENWICH, CT 06830

Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: JANUARY 2020

DRAWING NAME:

PRELIMINARY SITE PLAN

DRAWING NUMBER:

C002

Date & Time: 1/29/2020 11:09 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C002 SITE PLAN.dwg

February 6, 2020

Town of Manlius Town Board
301 Brooklea Drive
Manlius, NY 13066

RE: Letter of Intent: Source Renewable – Taft Road, Manlius

Dear Town Board Members:

Source Renewables is proposing the construction of one 3.45 MW-AC Photovoltaic Array with battery storage on lands of now or formally Gratzer Family Trust (Tax Parcel 34.00-1-20.1, located on the south side of Taft Road just east of the Dewitt town line. Per Town Code, Section 155-27.2, Solar Photovoltaic Energy Systems, Source Renewable is required to proceed through a Special Permit process to be approved by the Town and Planning Board because the solar array will be the principal use of the parcel. We are requesting to appear before the next Town Board meeting on February 12th to present the project.

The subject properties are a combined 17.3 acre parcel, currently zoned Restricted Agricultural and is currently vacant meadow. The parcel is bounded to the north by Taft Road, to the south and east by vacant land and to west by powerlines and farmland.

The proposed Solar Energy System for the property includes the installation of battery storage and approximately 263 solar tables consisting or 221 full tables with 56 panels/table and 42 half tables with 28 panels per table. There are 13,552 solar panels each standing approximately 9'± in height, 42±"' in length and 6.5±' in width. The tables will be spaced at 24.7' intervals. The array will be surrounded by a 6' high chain-link fence with 3-strands of barbed wire affixed to the top for security purposes. For visual screening, a landscape buffer will be planted along the Taft Road frontage.

The electricity produced by the array will be converted from DC power to AC power via string inverters situated under the array panels. The AC power will be collected and transformed to medium voltage power, which will then be sent out via utility distribution. The on-site transformer will be approximately 6' long, 6' wide and stand approximately 5' in height. The on-site main switchgear will be approximately 10' long, 2' wide, and stand 6' in height. The distribution services for the array will utilize the existing utility lines. Therefore no additional roadside powerlines will be required.

A wetland delineation was completed on the subject property by LaBella Associates in July 2019 and is still subject to final determination by the US Army Corps of Engineers. A wetland report will be produced under separate submittal once a final determination has been established. A NYSDEC Wetland permit will be required and obtained for installation of the solar array within the 100' wetland buffer and a USACOE permit will be required and obtained for the culvert installation within the existing ditch. Coordination with the New York State Historic Preservation Office and Federal Aviation Administration has been initiated and is pending. A report will be produced under separate submittal once results have been received. The application for interconnection to the utility grid will be submitted with formal plans before the next meeting.

Source Renewables is proposing that the array is utilized for Community Solar purposes. The Community Solar program will allow local residences and businesses to purchase power from the

array at a discounted rate compared to the current electricity provider. Source Renewables is excited to pursue this project within the Town of Manlius and looks forward to providing an opportunity for clean, alternative energy to the Town and its residents.

We submit the following for your review and consideration:

- Letter of Intent (12 copies)
- Special Permit Application (12 copies)
- Full Environmental Assessment Form (12 copies)
- Presentation/Concept Plan (12 copies)
- Application Fee Check for $2,450

We look forward to presentation of the project at the February 12th meeting. If you have any questions or require any additional information, please do not hesitate to contact me at (585) 402-7005

Respectfully submitted,

LaBella Associates

Drazen Gasic, CPSWQ, CPESC
Civil Renewables Manager

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: Taft Solar Development		
Project Location (describe, and attach a general location map): Taft Road, Town of Manlius, Onondaga County, New York 13057 (tax parcel # 034.-01-20.1); see attached USGS map		
Brief Description of Proposed Action (include purpose or need): Source Renewables, LLC is developing plans for the installation of one 3.4 MW-AC solar array to be installed on vacant grassland located at Taft Road (Parcel ID: 034.-01-20.1), which is located in the Town of Manlius. The purpose of the project is to generate clean renewable energy for local residences and businesses. Activities include the installation of a ground-mounted solar energy system of approximately 13,552 freestanding modules/panels, new electrical equipment, including two transformers/inverters on concrete pads, and accessories including approximately 1,268 linear ft. of underground electrical line, unimproved and gravel access roads and a chain-link fence. The maximum depth of ground disturbance will not exceed 4 ft and the helix screws (or H-piles) of the solar tables will be installed at a depth of approximately 8-10 ft. New landscaping will be installed to screen the project site along Taft Road. There will be minimal vegetation removal, minimal grading, and minimal ground disturbance from solar module installation. The maximum extent of ground disturbance will be less than 1 acre. For additional details, see attached USGS location map and site drawings.		
Name of Applicant/Sponsor: Taft Solar, LLC (Mr. Andrew Day)	Telephone: 203-542-5651 E-Mail: aday@sourcerenew.com	
Address: 41 West Elm Street, Suite C		
City/PO: Greenwich	State: CT	Zip Code: 06830
Project Contact (if not same as sponsor; give name and title/role):	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Gratzer Family Trust Site parcels are to be purchased by a subsidiary of Taft Solar, LLC prior to the start of construction.	Telephone: N/A E-Mail: N/A	
Address: 6787 Taft Road		
City/PO: East Syracuse	State: New York	Zip Code: 13057

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	Town Board - Special Use Permit	Pending
b. City, Town or Village Planning Board or Commission ☑Yes ☐No	Planning Board - Site Plan Approval	Pending
c. City, Town or Village Zoning Board of Appeals ☐Yes ☑No		
d. Other local agencies ☐Yes ☑No		
e. County agencies ☑Yes ☐No	County IDA - PILOT Agreement	Pending
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	NYSERDA- Funding; SHPO- Sign-off; NYSDEC- Wetland Permit	Pending
h. Federal agencies ☑Yes ☐No	USACE - Permit for culvert	Pending

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):

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?
Restricted Agriculture, with Technical Development Overlay (TD/O) on northern portion of the parcel

b. Is the use permitted or allowed by a special or conditional use permit? Special Use Permit from Town Board ☑ 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? East Syracuse- Minoa

b. What police or other public protection forces serve the project site?
Town of Manlius Police Department

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

d. What parks serve the project site?
Cicero Swamp Wildlife Management Area, Central Park softball fields, Gateway Community Park, Maxwell Park

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)?
Commercial Solar Energy Facility Installation

b. a. Total acreage of the site of the proposed action? +/-17.3 acres
b. Total acreage to be physically disturbed? +/-0.8 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? +/-17.3 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: +/-6 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, Note, we defined solar panels (modules) as structures.
i. Total number of structures +/-13,552 (modules/panels) and 2 transformers/inverters on concrete pads (approx. 900 sf. total).
ii. Dimensions (in feet) of largest proposed structure: +/-9 ft height; +/-6.5 ft width; and +/-3.5 length (applies to solar modules/ panels only)
iii. Approximate extent of building space to be heated or cooled: 0 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.
_____
_____
iv. 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): A NYSDEC freshwater wetland (ID: SYE-3), Class C Stream, Federal freshwater pond and riverine wetland are located on the project parcel.

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:
The solar arrays will be constructed w/in the NYSDEC 100-ft. wetland buffer and an appropriate NYSDEC permit will be obtained. Additionally, a US Army Corps of Engineers permit will be obtained for the culvert installation.

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:
The site development plans are designed to minimize disturbance so that reclamation is not necessary.

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: _____ 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: _____
- 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: _____
- Source(s) of supply for the district: _____

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: _____

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: _____ 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): _____

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

- Name of wastewater treatment plant to be used: _____
- Name of district: _____
- 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):

_____

vi. Describe any plans or designs to capture, recycle or reuse 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

The proposed project will disturb approx. 0.8 acres of land.

If Yes:

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

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

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)?

_____

- 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)

_____

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

_____

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

_____

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:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____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): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

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: _____

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

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: Potentially 7 am - 9pm
- Saturday: Minimal if any
- Sunday: Minimal if any
- Holidays: Minimal if any

ii. During Operations:

- Monday - Friday: 24 hours per day
- Saturday: 24 hours per day
- Sunday: 24 hours per day
- Holidays: 24 hours per day

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:

Intermittent construction noise could exceed existing ambient noise levels for short periods of time during daytime construction activities. Once operational, noise levels exceeding the existing ambient noise levels are not anticipated.

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:

Propane-fueled rental lights could be present on-site during construction activities and will be removed upon completion.

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: _____

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

The solar project site itself will not contain any bulk storage.

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: TBD tons per TBD (unit of time)
- Operation : N/A tons per N/A (unit of time)

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

- Construction: Construction debris of disposable wrapping and containers will be recycled when appropriate.
- Operation: N/A

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

- Construction: The exact disposal method will be determined by the contractor and will follow all applicable NYSDEC guidelines and standards.
- Operation: N/A

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 (including gravel road)	0	+/-0.5	+0.5
• Forested (hedgerow)	+/-0.5	+/-0.2	-0.3
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	+/-14.1	+/-7.5	-6.6
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)	+/-0.1	+/-0.1	0
• Wetlands (freshwater or tidal)	+/-2.6	+/-2.6	0
• Non-vegetated (bare rock, earth or fill)			
• Other Describe: Solar tables with grass underneath	0	+/-6.4	+6.4

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): Spill #0702926

☐ 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):

NYSDEC Spill #0702926 is identified in the area under the power lines located on the northern portion of the project site. Per the NYSDEC Spill listing, hydraulic oil spilled to the soil in 2007. The spill has since been closed.

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? +/- 6.6 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:

Niagara silt loam	+/-55 %
Hilton loam	+/-25 %
Appleton loam	+/-10 %

d. What is the average depth to the water table on the project site? Average: +/- 0.8 feet Varies from <1 ft. to +/- 2 ft.

e. Drainage status of project site soils:
- ☐ Well Drained: _____ % of site
- ☑ Moderately Well Drained: +/-25 % of site
- ☑ Poorly Drained +/-75 % 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 895-21 Classification C
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters & NYS Wetland Approximate Size +/-2.4 acres
- Wetland No. (if regulated by DEC) SYE-3

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: _____

Name: Ley Creek & Tributaries Pollutants: Pathogens, Nutrients, Ammonia, Other Inorganics Uses: Recreation, Public Bathing, Aquatic Life

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: _____

m. Identify the predominant wildlife species that occupy or use the project site:
The project site will be fenced off but some typical suburban/rural species, such as squirrels, rabbits, raccoons, woodchucks, chipmunks, rodents, deer, foxes, coyote, songbirds, crows, raptors, frogs, and snakes may pass through.

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): _____
In addition to the Indiana Bat identified by the NYSDEC EAF Mapper, U.S. Fish & Wildlife Service (USFWS) lists the Northern Long-eared Bat (NLEB), and the Eastern Massasauga (rattlesnake) as potential species of concern at the project site. Consultation with the NYSDEC and USFWS is ongoing.

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: _____

b. Are agricultural lands consisting of highly productive soils present? ☑ Yes ☐ No
i. If Yes: acreage(s) on project site? Approximately 28 acres (+/-75% of the project area)
ii. Source(s) of soil rating(s): US U.S. Department of Agriculture - Natural Resource Conservation Service - Web Soil Survey (Groups 1-4)

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

See attached SHPO "No Effect" letter.

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:

See attached SHPO "No Effect" letter.

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.

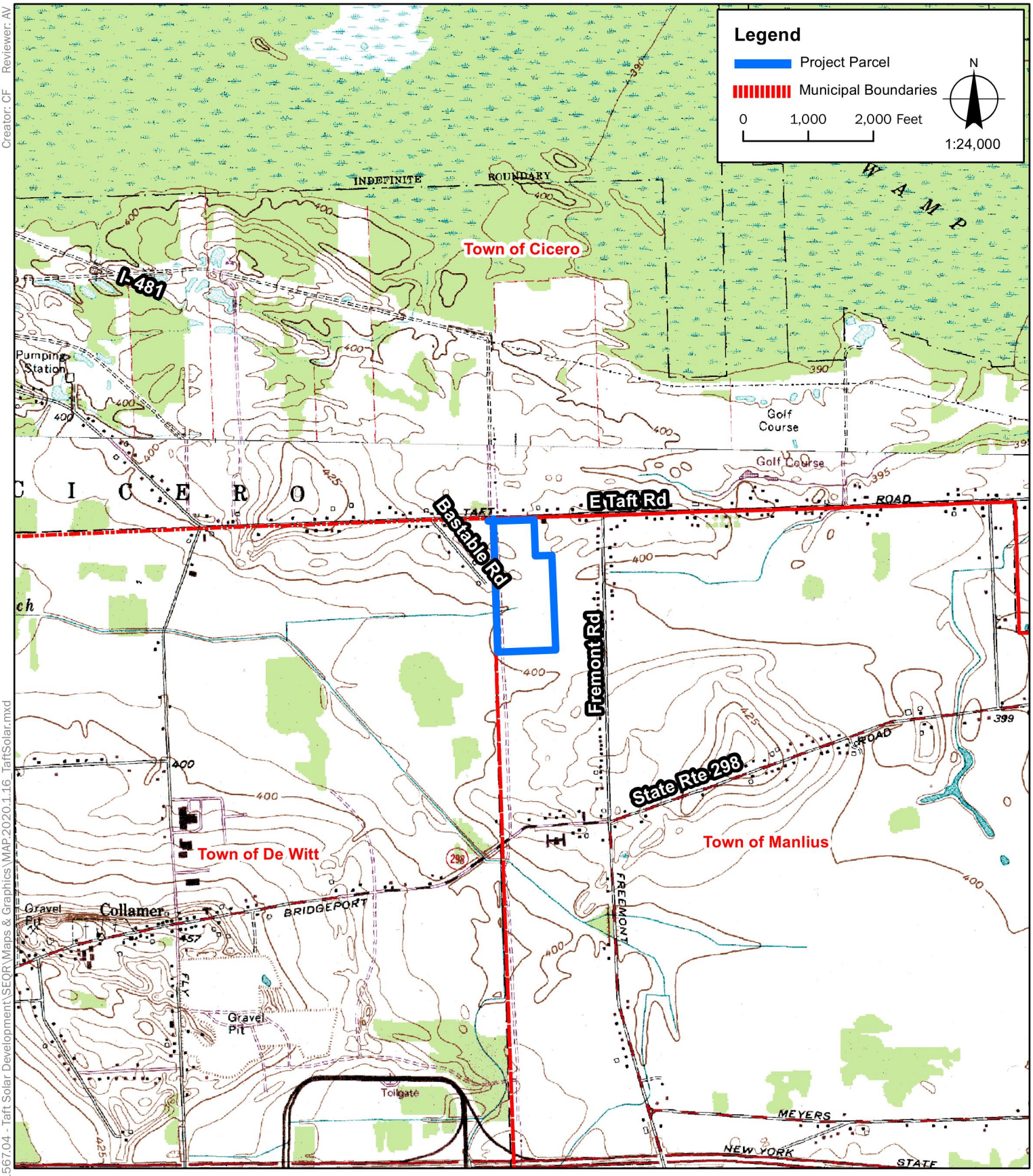
G. Verification

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

Applicant/Sponsor Name Taft Solar, LLC (Andrew Day) Date 02/06/2020

Signature [signature] Title Civil Engineer LaBella Associates
Acting Agent for Andrew Day

PRINT FORM



Sources:
1. USGS Map: ArcGIS basemap
2. Roads: TIGER 2010
3. Municipal Boundaries: NYS GIS Office 2018

LaBella
Powered by partnership.

TAFT SOLAR, LLC

TAFT ROAD SOLAR ARRAY

LaBella Project No: 2191567.04
Date: FEBRUARY 2020

USGS SITE LOCATION MAP

FIGURE 1

Path: J:\Source Renewables\2191567.04 - Taft Solar Development\SEQR\Maps & Graphics\MAP 2020.1.16_TaftSolar.mxd

Creator: CF Reviewer: AV

Services News Government Local Translate

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

Environmental Resource Mapper

Base Map: NYS Aerial Using this map

Search

Tools

Layers and Legend

- All Layers
- Unique Geological Features
- Waterbody Classifications for Rivers/Streams
- Waterbody Classifications for Lakes
- State Regulated Freshwater Wetlands (Outside of the Adirondack Park)
  - State Regulated Wetland Checkzone
- Significant Natural Communities
  - Natural Communities Near This Location
- Rare Plants or Animals

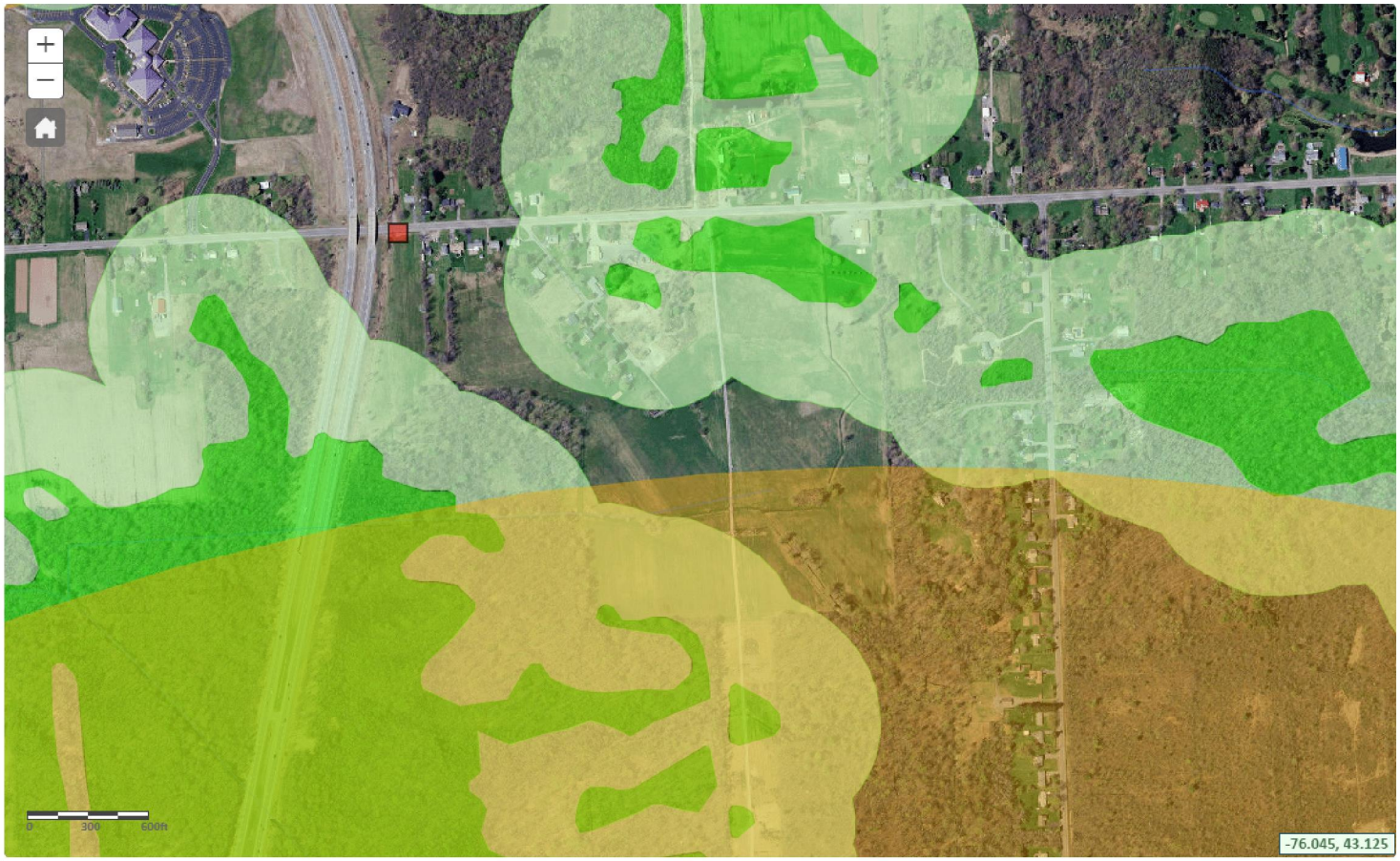
Other Wetland Layers

Reference Layers

Tell Me More...

Need A Permit?

Contacts



NEW YORK STATE OF OPPORTUNITY. | Parks, Recreation, and Historic Preservation

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

February 05, 2020

Alexandra Vitulano
Environmental Analyst
LaBella A
300 State St, Suite 201
Rochester, NY 14614

Re: NYSERDA
Taft Solar
Town of Manlius, Onondaga County, NY
20PR00799

Dear Alexandra Vitulano:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Roger Daniel Mackay

R. Daniel Mackay

Deputy Commissioner for Historic Preservation
Division for Historic Preservation

IPaC **U.S. Fish & Wildlife Service**

IPaC resource list

This report is an automatically generated list of species and other resources such as critical habitat (collectively referred to as *trust resources*) under the U.S. Fish and Wildlife Service's (USFWS) jurisdiction that are known or expected to be on or near the project area referenced below. The list may also include trust resources that occur outside of the project area, but that could potentially be directly or indirectly affected by activities in the project area. However, determining the likelihood and extent of effects a project may have on trust resources typically requires gathering additional site-specific (e.g., vegetation/species surveys) and project-specific (e.g., magnitude and timing of proposed activities) information.

Below is a summary of the project information you provided and contact information for the USFWS office(s) with jurisdiction in the defined project area. Please read the introduction to each section that follows (Endangered Species, Migratory Birds, USFWS Facilities, and NWI Wetlands) for additional information applicable to the trust resources addressed in that section.

NOT FOR CONSULTATION

Location

Onondaga County, New York

Local office

New York Ecological Services Field Office

(607) 753-9334
(607) 753-9699

3817 Luker Road
Cortland, NY 13045-9385

http://www.fws.gov/northeast/nyfo/es/section7.htm

Endangered species

This resource list is for informational purposes only and does not constitute an analysis of project level impacts.

The primary information used to generate this list is the known or expected range of each species. Additional areas of influence (AOI) for species are also considered. An AOI includes areas outside of the species range if the species could be indirectly affected by activities in that area (e.g., placing a dam upstream of a fish population, even if that fish does not occur at the dam site, may indirectly impact the species by reducing or eliminating water flow downstream). Because species can move, and site conditions can change, the species on this list are not guaranteed to be found on or near the project area. To fully determine any potential effects to species, additional site-specific and project-specific information is often required.

Section 7 of the Endangered Species Act **requires** Federal agencies to "request of the Secretary information whether any species which is listed or proposed to be listed may be present in the area of such proposed action" for any project that is conducted, permitted, funded, or licensed by any Federal agency. A letter from the local office and a species list which fulfills this requirement can **only** be obtained by requesting an official species list from either the Regulatory Review section in IPaC (see directions below) or from the local field office directly.

For project evaluations that require USFWS concurrence/review, please return to the IPaC website and request an official species list by doing the following:

1. Draw the project location and click CONTINUE.
2. Click DEFINE PROJECT.
3. Log in (if directed to do so).
4. Provide a name and description for your project.
5. Click REQUEST SPECIES LIST.

Listed species[1] and their critical habitats are managed by the Ecological Services Program of the U.S. Fish and Wildlife Service (USFWS) and the fisheries division of the National Oceanic and Atmospheric Administration (NOAA Fisheries[2]).

Species and critical habitats under the sole responsibility of NOAA Fisheries are **not** shown on this list. Please contact NOAA Fisheries for species under their jurisdiction.

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1. Species listed under the Endangered Species Act are threatened or endangered; IPaC also shows species that are candidates, or proposed, for listing. See the listing status page for more information.
2. NOAA Fisheries, also known as the National Marine Fisheries Service (NMFS), is an office of the National Oceanic and Atmospheric Administration within the Department of Commerce.

The following species are potentially affected by activities in this location:

Mammals

NAME	STATUS

NOT FOR CONSULTATION

Indiana Bat Myotis sodalis There is **final** critical habitat for this species. Your location is outside the critical habitat. https://ecos.fws.gov/ecp/species/5949	Endangered
Northern Long-eared Bat Myotis septentrionalis No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/9045	Threatened

Reptiles

NAME	STATUS
Eastern Massasauga (=rattlesnake) Sistrurus catenatus No critical habitat has been designated for this species. https://ecos.fws.gov/ecp/species/2202	Threatened

Critical habitats

Potential effects to critical habitat(s) in this location must be analyzed along with the endangered species themselves.

THERE ARE NO CRITICAL HABITATS AT THIS LOCATION.

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Migratory birds

Certain birds are protected under the Migratory Bird Treaty Act[1] and the Bald and Golden Eagle Protection Act[2].

Any person or organization who plans or conducts activities that may result in impacts to migratory birds, eagles, and their habitats should follow appropriate regulations and consider implementing appropriate conservation measures, as described below.

1. The Migratory Birds Treaty Act of 1918.
2. The Bald and Golden Eagle Protection Act of 1940.

Additional information can be found using the following links:

- Birds of Conservation Concern http://www.fws.gov/birds/management/managed-species/birds-of-conservation-concern.php
- Measures for avoiding and minimizing impacts to birds http://www.fws.gov/birds/management/project-assessment-tools-and-guidance/conservation-measures.php
- Nationwide conservation measures for birds http://www.fws.gov/migratorybirds/pdf/management/nationwidestandardconservationmeasures.pdf

The birds listed below are birds of particular concern either because they occur on the USFWS Birds of Conservation Concern (BCC) list or warrant special attention in your project location. To learn more about the levels of concern for birds on your list and how this list is generated, see the FAQ below. This is not a list of every bird you may find in this location, nor a guarantee that every bird on this list will be found in your project area. To see exact locations of where birders and the general public have sighted birds in and around your project area, visit the E-bird data mapping tool (Tip: enter your location, desired date range and a species on your list). For projects that occur off the Atlantic Coast, additional maps and models detailing the relative occurrence and abundance of bird species on your list are available. Links to additional information about Atlantic Coast birds, and other important information about your migratory bird list, including how to properly interpret and use your migratory bird report, can be found below.

For guidance on when to schedule activities or implement avoidance and minimization measures to reduce impacts to migratory birds on your list, click on the PROBABILITY OF PRESENCE SUMMARY at the top of your list to see when these birds are most likely to be present and breeding in your project area.

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NAME	BREEDING SEASON (IF A BREEDING SEASON IS INDICATED FOR A BIRD ON YOUR LIST, THE BIRD MAY BREED IN YOUR PROJECT AREA SOMETIME WITHIN THE TIMEFRAME SPECIFIED, WHICH IS A VERY LIBERAL ESTIMATE OF THE DATES INSIDE WHICH THE BIRD BREEDS ACROSS ITS ENTIRE RANGE. "BREEDS ELSEWHERE" INDICATES THAT THE BIRD DOES NOT LIKELY BREED IN YOUR PROJECT AREA.)
Bald Eagle *Haliaeetus leucocephalus* This is not a Bird of Conservation Concern (BCC) in this area, but warrants attention because of the Eagle Act or for potential susceptibilities in offshore areas from certain types of development or activities. https://ecos.fws.gov/ecp/species/1626	Breeds Dec 1 to Aug 31
Black-billed Cuckoo *Coccyzus erythropthalmus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/9399	Breeds May 15 to Oct 10
Bobolink *Dolichonyx oryzivorus* This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Jul 31

Canada Warbler Cardellina canadensis This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 20 to Aug 10
Cerulean Warbler Dendroica cerulea This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska. https://ecos.fws.gov/ecp/species/2974	Breeds Apr 20 to Jul 20
Snowy Owl Bubo scandiacus This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds elsewhere
Wood Thrush Hylocichla mustelina This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.	Breeds May 10 to Aug 31

Probability of Presence Summary

The graphs below provide our best understanding of when birds of concern are most likely to be present in your project area. This information can be used to tailor and schedule your project activities to avoid or minimize impacts to birds. Please make sure you read and understand the FAQ "Proper Interpretation and Use of Your Migratory Bird Report" before using or attempting to interpret this report.

Probability of Presence (■)

Each green bar represents the bird's relative probability of presence in the 10km grid cell(s) your project overlaps during a particular week of the year. (A year is represented as 12 4-week months.) A taller bar indicates a higher probability of species presence. The survey effort (see below) can be used to establish a level of confidence in the presence score. One can have higher confidence in the presence score if the corresponding survey effort is also high.

How is the probability of presence score calculated? The calculation is done in three steps:

1. The probability of presence for each week is calculated as the number of survey events in the week where the species was detected divided by the total number of survey events for that week. For example, if in week 12 there were 20 survey events and the Spotted Towhee was found in 5 of them, the probability of presence of the Spotted Towhee in week 12 is 0.25.
2. To properly present the pattern of presence across the year, the relative probability of presence is calculated. This is the probability of presence divided by the maximum probability of presence across all weeks. For example, imagine the probability of presence in week 20 for the Spotted Towhee is 0.05, and that the probability of presence at week 12 (0.25) is the maximum of any week of the year. The relative probability of presence on week 12 is 0.25/0.25 = 1; at week 20 it is 0.05/0.25 = 0.2.
3. The relative probability of presence calculated in the previous step undergoes a statistical conversion so that all possible values fall between 0 and 10, inclusive. This is the probability of presence score.

NOT FOR CONSULTATION

To see a bar's probability of presence score, simply hover your mouse cursor over the bar.

Breeding Season (■)
Yellow bars denote a very liberal estimate of the time-frame inside which the bird breeds across its entire range. If there are no yellow bars shown for a bird, it does not breed in your project area.

Survey Effort (|)
Vertical black lines superimposed on probability of presence bars indicate the number of surveys performed for that species in the 10km grid cell(s) your project area overlaps. The number of surveys is expressed as a range, for example, 33 to 64 surveys.

To see a bar's survey effort range, simply hover your mouse cursor over the bar.

No Data (–)
A week is marked as having no data if there were no survey events for that week.

Survey Timeframe
Surveys from only the last 10 years are used in order to ensure delivery of currently relevant information. The exception to this is areas off the Atlantic coast, where bird returns are based on all years of available data, since data in these areas is currently much more sparse.

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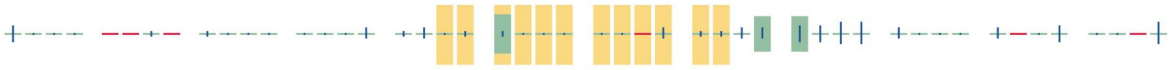
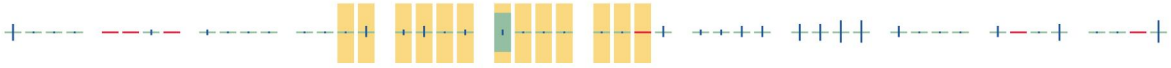
Canada Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Cerulean Warbler
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)



Snowy Owl
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

Wood Thrush
BCC Rangewide (CON) (This is a Bird of Conservation Concern (BCC) throughout its range in the continental USA and Alaska.)

NOT FOR CONSULTATION

Tell me more about conservation measures I can implement to avoid or minimize impacts to migratory birds.

Nationwide Conservation Measures describes measures that can help avoid and minimize impacts to all birds at any location year round. Implementation of these measures is particularly important when birds are most likely to occur in the project area. When birds may be breeding in the area, identifying the locations of any active nests and avoiding their destruction is a very helpful impact minimization measure. To see when birds are most likely to occur and be breeding in your project area, view the Probability of Presence Summary. Additional measures and/or permits may be advisable depending on the type of activity you are conducting and the type of infrastructure or bird species present on your project site.

What does IPaC use to generate the migratory birds potentially occurring in my specified location?

The Migratory Bird Resource List is comprised of USFWS Birds of Conservation Concern (BCC) and other species that may warrant special attention in your project location.

The migratory bird list generated for your project is derived from data provided by the Avian Knowledge Network (AKN). The AKN data is based on a growing collection of survey, banding, and citizen science datasets and is queried and filtered to return a list of those birds reported as occurring in the 10km grid cell(s) which your project intersects, and that have been identified as warranting special attention because they are a BCC species in that area, an eagle (Eagle Act requirements may apply), or a species that has a particular vulnerability to offshore activities or development.

Again, the Migratory Bird Resource list includes only a subset of birds that may occur in your project area. It is not representative of all birds that may occur in your project area. To get a list of all birds potentially present in your project area, please visit the AKN Phenology Tool.

What does IPaC use to generate the probability of presence graphs for the migratory birds potentially occurring in my specified location?

The probability of presence graphs associated with your migratory bird list are based on data provided by the Avian Knowledge Network (AKN). This data is derived from a growing collection of survey, banding, and citizen science datasets .

Probability of presence data is continuously being updated as new and better information becomes available. To learn more about how the probability of presence graphs are produced and how to interpret them, go the Probability of Presence Summary and then click on the "Tell me about these graphs" link.

How do I know if a bird is breeding, wintering, migrating or present year-round in my project area?

To see what part of a particular bird's range your project area falls within (i.e. breeding, wintering, migrating or year-round), you may refer to the following resources: The Cornell Lab of Ornithology All About Birds Bird Guide, or (if you are unsuccessful in locating the bird of interest there), the Cornell Lab of Ornithology Neotropical Birds guide. If a bird on your migratory bird species list has a breeding season associated with it, if that bird does occur in your project area, there may be nests present at some point within the timeframe specified. If "Breeds elsewhere" is indicated, then the bird likely does not breed in your project area.

What are the levels of concern for migratory birds?

Migratory birds delivered through IPaC fall into the following distinct categories of concern:

1. "BCC Rangewide" birds are Birds of Conservation Concern (BCC) that are of concern throughout their range anywhere within the USA (including Hawaii, the Pacific Islands, Puerto Rico, and the Virgin Islands);
2. "BCC - BCR" birds are BCCs that are of concern only in particular Bird Conservation Regions (BCRs) in the continental USA; and
3. "Non-BCC - Vulnerable" birds are not BCC species in your project area, but appear on your list either because of the Eagle Act requirements (for eagles) or (for non-eagles) potential susceptibilities in offshore areas from certain types of development or activities (e.g. offshore energy development or longline fishing).

Although it is important to try to avoid and minimize impacts to all birds, efforts should be made, in particular, to avoid and minimize impacts to the birds on this list, especially eagles and BCC species of rangewide concern. For more information on conservation measures you can implement to help avoid and minimize migratory bird impacts and requirements for eagles, please see the FAQs for these topics.

Details about birds that are potentially affected by offshore projects

For additional details about the relative occurrence and abundance of both individual bird species and groups of bird species within your project area off the Atlantic Coast, please visit the Northeast Ocean Data Portal. The Portal also offers data and information about other taxa besides birds that may be helpful to you in your project review. Alternately, you may download the bird model results files underlying the portal maps through the NOAA NCCOS Integrative Statistical Modeling and Predictive Mapping of Marine Bird Distributions and Abundance on the Atlantic Outer Continental Shelf project webpage.

Bird tracking data can also provide additional details about occurrence and habitat use throughout the year, including migration. Models relying on survey data may not include this information. For additional information on marine bird tracking data, see the Diving Bird Study and the nanotag studies or contact Caleb Spiegel or Pam Loring.

What if I have eagles on my list?

If your project has the potential to disturb or kill eagles, you may need to obtain a permit to avoid violating the Eagle Act should such impacts occur.

Proper Interpretation and Use of Your Migratory Bird Report

NOT FOR CONSULTATION

The migratory bird list generated is not a list of all birds in your project area, only a subset of birds of priority concern. To learn more about how your list is generated, and see options for identifying what other birds may be in your project area, please see the FAQ "What does IPaC use to generate the migratory birds potentially occurring in my specified location". Please be aware this report provides the "probability of presence" of birds within the 10 km grid cell(s) that overlap your project; not your exact project footprint. On the graphs provided, please also look carefully at the survey effort (indicated by the black vertical bar) and for the existence of the "no data" indicator (a red horizontal bar). A high survey effort is the key component. If the survey effort is high, then the probability of presence score can be viewed as more dependable. In contrast, a low survey effort bar or no data bar means a lack of data and, therefore, a lack of certainty about presence of the species. This list is not perfect; it is simply a starting point for identifying what birds of concern have the potential to be in your project area, when they might be there, and if they might be breeding (which means nests might be present). The list helps you know what to look for to confirm presence, and helps guide you in knowing when to implement conservation measures to avoid or minimize potential impacts from your project activities, should presence be confirmed. To learn more about conservation measures, visit the FAQ "Tell me about conservation measures I can implement to avoid or minimize impacts to migratory birds" at the bottom of your migratory bird trust resources page.

Facilities

National Wildlife Refuge lands

Any activity proposed on lands managed by the National Wildlife Refuge system must undergo a 'Compatibility Determination' conducted by the Refuge. Please contact the individual Refuges to discuss any questions or concerns.

THERE ARE NO REFUGE LANDS AT THIS LOCATION.

Fish hatcheries

THERE ARE NO FISH HATCHERIES AT THIS LOCATION.

Wetlands in the National Wetlands Inventory

Impacts to NWI wetlands and other aquatic habitats may be subject to regulation under Section 404 of the Clean Water Act, or other State/Federal statutes.

For more information please contact the Regulatory Program of the local U.S. Army Corps of Engineers District.

Please note that the NWI data being shown may be out of date. We are currently working to update our NWI data set. We recommend you verify these results with a site visit to determine the actual extent of wetlands on site.

This location overlaps the following wetlands:

NOT FOR CONSULTATION

FRESHWATER FORESTED/SHRUB WETLAND

PFO1C
PFO1A

FRESHWATER POND

PUBHx

RIVERINE

R5UBH

A full description for each wetland code can be found at the National Wetlands Inventory website

Data limitations

The Service's objective of mapping wetlands and deepwater habitats is to produce reconnaissance level information on the location, type and size of these resources. The maps are prepared from the analysis of high altitude imagery. Wetlands are identified based on vegetation, visible hydrology and geography. A margin of error is inherent in the use of imagery; thus, detailed on-the-ground inspection of any particular site may result in revision of the wetland boundaries or classification established through image analysis.

The accuracy of image interpretation depends on the quality of the imagery, the experience of the image analysts, the amount and quality of the collateral data and the amount of ground truth verification work conducted. Metadata should be consulted to determine the date of the source imagery used and any mapping problems.

Wetlands or other mapped features may have changed since the date of the imagery or field work. There may be occasional differences in polygon boundaries or classifications between the information depicted on the map and the actual conditions on site.

Data exclusions

Certain wetland habitats are excluded from the National mapping program because of the limitations of aerial imagery as the primary data source used to detect wetlands. These habitats include seagrasses or submerged aquatic vegetation that are found in the intertidal and subtidal zones of estuaries and nearshore coastal waters. Some deepwater reef communities (coral or tuberficid worm reefs) have also been excluded from the inventory. These habitats, because of their depth, go undetected by aerial imagery.

Data precautions

Federal, state, and local regulatory agencies with jurisdiction over wetlands may define and describe wetlands in a different manner than that used in this inventory. There is no attempt, in either the design or products of this inventory, to define the limits of proprietary jurisdiction of any Federal, state, or local government or to establish the geographical scope of the regulatory programs of government agencies. Persons intending to engage in activities involving modifications within or adjacent to wetland areas should seek the advice of appropriate federal, state, or local agencies concerning specified agency regulatory programs and proprietary jurisdictions that may affect such activities.

NOT FOR CONSULTATION

EAF Mapper Summary Report

Friday, January 31, 2020 11:50 AM

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]	Yes
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.iv [Surface Water Features - Stream Name]	895-21
E.2.h.iv [Surface Water Features - Stream Classification]	C
E.2.h.iv [Surface Water Features - Wetlands Name]	Federal Waters, NYS Wetland
E.2.h.iv [Surface Water Features - Wetlands Size]	NYS Wetland (in acres):30.6
E.2.h.iv [Surface Water Features - DEC Wetlands Number]	SYE-3
E.2.h.v [Impaired Water Bodies]	Yes

E.2.h.v [Impaired Water Bodies - Name and Basis for Listing]	Name - Pollutants - Uses:Ley Creek and tribs – Pathogens;Nutrients;Ammonia;Other Inorganics – Recreation;Public Bathing;Aquatic Life
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	No
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Indiana Bat
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
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

1 C002 OVERALL SITE PLAN

SCALE: 1" = 100'

PROJECT DATA UNIT B

PARCEL INFORMATION

APPLICANT	SOURCE RENEWABLES LLC
PARCEL ADDRESS	6966 TAFT ROAD, EAST SYRACUSE, NY 13057
TAX NUMBER	034.000-1-20.1
PARCEL AREA	37.682 ACRES
PROJECT AREA	17.3 ACRES
EXISTING IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 0 SF GRAVEL 0 SF ASPHALT 0 SF TOTAL 0.00 AC
PROPOSED IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 910 SF GRAVEL 20,003 SF ASPHALT 0 SF TOTAL 0.48 AC
PANEL COVERAGE	6.35 ACRES
TOTAL DISTURBANCE AREA	**0.86 ACRES**

ZONING INFORMATION

	REQUIRED	PROPOSED
CLASSIFICATION	RESIDENTIAL - AGRICULTURAL DISTRICT (R-A)	
FRONT SETBACK	50 FT	±65 FT
SIDE SETBACK	50 FT	±51 FT
REAR SETBACK	50 FT	±72 FT

WETLAND INFORMATION

	EXISTING	PROPOSED
WETLANDS WITHIN PROPERTY	2.62 ACRES	2.62 ACRES

SYSTEM SUMMARY (UNIT B)

MODULE

MANUFACTURER	HANWHA Q-CELLS USA
MODULE MODEL	Q.PEAK DUO L-G5.3 395
MODULE OUTPUT	395W
MODULE COUNT	13,552
DC SYSTEM OUTPUT	5.35 MWDC
DESIGN TEMPERATURES	
EXTREME MINIMUM	-24°C

INVERTER

MANUFACTURER	SUNGROW
INVERTER NOMINAL OUTPUT POWER	
@50°C, PF=1	2500kVA
QUANTITY/TOTAL	2
AC SYSTEM OUTPUT NOM	4 MWAC ???

RACKING

MANUFACTURER	RBI OR APVD EQUAL
TILT	20°
PITCH	22.0 FT
FOUNDATION	PILE DRIVEN POSTS
CONFIGURATION	1-UP PORTRAIT
AZIMUTH	177°

PROJECT SITE

INTERCONNECTION VOLTAGE	13.2kV ASSUMED
AREA INSIDE FENCELINE	16.20 ACRES

WETLAND

100' WETLAND BUFFER ZONE

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300 State Street, Suite 201
Rochester, NY 14614
585-454-6110

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It is a violation of New York Education Law Article 145 Sec.7209, for any person, unless acting under the direction of a licensed architect, professional engineer, or land surveyor, to alter an item in any way. If an item bearing the seal of an architect, engineer, or land surveyor is altered; the altering architect, engineer, or land surveyor shall affix to the item their seal and notation "altered by" followed by their signature and date of such alteration, and a specific description of the alteration.

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SOURCE RENEWABLES, LLC

41 WEST ELM ST, SUITE C
GREENWICH, CT 06830

Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: JANUARY 2020

DRAWING NAME:

PRELIMINARY SITE PLAN

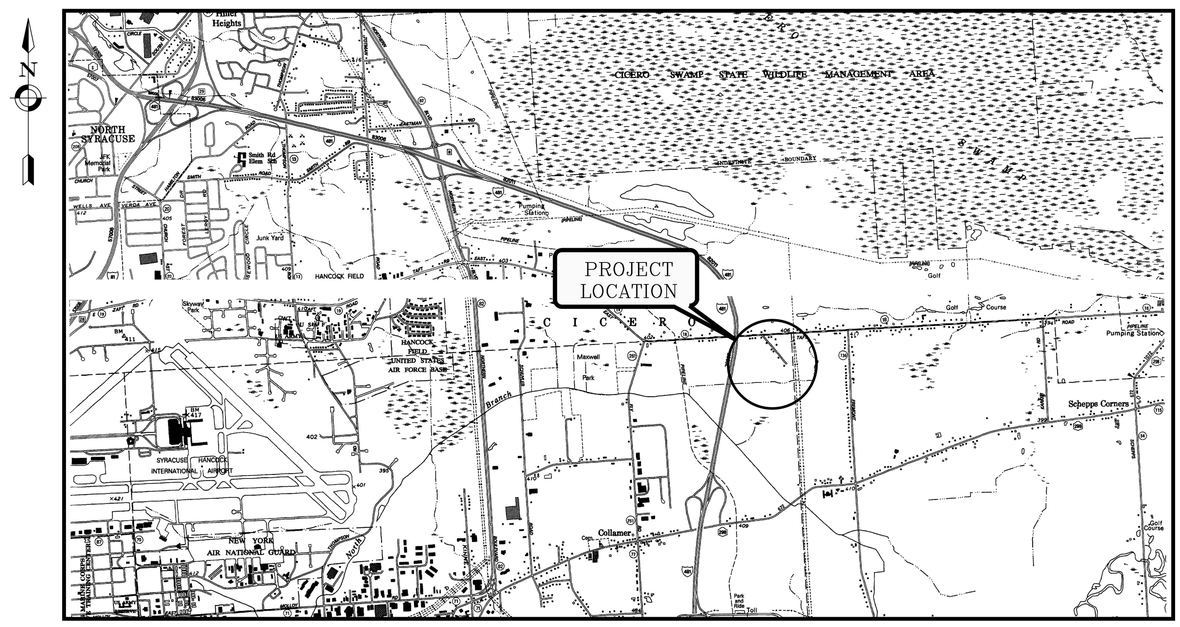
DRAWING NUMBER:

C002

Date & Time: 1/29/2020 11:09 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C002 SITE PLAN.dwg

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057



LOCATION MAP
N.T.S.

SOURCE RENEWABLES, INC.
41 WEST ELM ST, SUITE C
GREENWICH, CT 06830
PROJECT NO: 2191567.04
SUBMISSION: MARCH 2020

Source Renewables

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ISSUED FOR SITE PLAN APPROVAL
MARCH 2020

SOURCE RENEWABLES
PROJECT NO: 2191567.04

TAFT ROAD SOLAR ARRAY
6966 EAST TAFT ROAD. EAST SYRACUSE, NY 13057

GENERAL NOTES:

1. THE CONTRACTOR ALONE SHALL BE RESPONSIBLE TO LOCATE UTILITIES OUTSIDE THE RIGHT-OF-WAY INCLUDING PRIVATE ROADS.
2. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUPPLYING ALL MATERIALS, TOOLS AND EQUIPMENT, INCLUDING SPECIAL CUTTING DEVICES, NECESSARY TO PERFORM THE WORK CONTAINED IN THIS CONTRACT.
4. THE SIZES AND MATERIAL OF CONSTRUCTION OF WATER MAINS, SANITARY SEWERS AND STORM SEWERS TO REMAIN ARE REPUTED. THE CONTRACTOR SHALL VERIFY SIZES OF ALL UTILITIES WHERE CONNECTIONS TO SAID EXISTING UTILITIES ARE REQUIRED. EXCAVATION TO VERIFY THESE UTILITIES SHALL BE MADE AT NO ADDITIONAL COST TO THE OWNER.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE AMENITIES NOT DESIGNATED FOR REMOVAL.
6. UNLESS OTHERWISE INDICATED ON THE PLANS OR DIRECTED BY THE ARCHITECT/ENGINEER, THE CONTRACTOR IS RESPONSIBLE FOR PRESERVING AND PROTECTING FROM DAMAGE ALL TREES, SHRUBS AND PLANTS IN THE VICINITY OF THE PROPOSED WORK.
7. THE CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES DESIGNATED TO REMAIN FOR THE DURATION OF THE CONTRACT.
8. ANY SITE AMENITY, UTILITY, STREET APPURTENANCE, OR OTHER ITEM WHICH BECOMES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR AS DETERMINED BY THE PROJECT MANAGER OR ARCHITECT/ENGINEER AND AT NO ADDITIONAL COST TO THE OWNER.

SURVEY NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS,
2. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD AND PRESERVE ALL SURVEY MARKERS AND RIGHT-OF-WAY MARKERS IN THE AREA OF CONSTRUCTION.
3. ANY IRON PINS, MONUMENTS OR OTHER ITEMS DEFINING PROPERTY LINES WHICH ARE DISTURBED BY CONSTRUCTION OPERATIONS SHALL BE PROPERLY TIED AND ACCURATELY RESET BY A NYS LICENSED SURVEYOR UPON COMPLETION OF THE WORK.
4. THE HORIZONTAL DATUM IS REFERENCED TO NORTH AMERICAN DATUM 83 (NAD 83) - STATE PLANE NEW YORK CENTRAL.
5. THE VERTICAL DATUM IS REFERENCED TO NORTH AMERICAN VERTICAL DATUM 88 (NAVD 88).
6. TOPOGRAPHIC AND BOUNDARY SURVEY WAS COMPLETED BE LABELLA ASSOCIATES ON DECEMBER 9, 2019.

DEMOLITION NOTES:

1. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BID. NO ALLOWANCE WILL BE MADE FOR ADDITIONAL COSTS DUE TO CONTRACTOR'S FAILURE TO VERIFY EXISTING CONDITIONS AND DIMENSIONS.
2. PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL TO NOTIFY DIG SAFELY NEW YORK AT 1-800-962-7962 TO REQUEST UTILITY STAKEOUT OF ALL PUBLIC UTILITIES.
3. WORK ASSOCIATED WITH THIS CONTRACT WILL OCCUR AT AN ACTIVE AND FUNCTIONAL FACILITY. CONTRACTOR SHALL COORDINATE WITH THE OWNER TO MINIMIZE DISRUPTION TO THE OPERATIONS OF THE FACILITY. CONTRACTOR SHALL BE SOLELY RESPONSIBLE TO PROVIDE A SAFE WORK SITE AND TO PROTECT THE PUBLIC, VISITORS AND EMPLOYEES FROM HARM AS A RESULT OF HIS CONSTRUCTION ACTIVITIES.
4. THE HORIZONTAL AND VERTICAL LOCATION OF ALL EXISTING ABOVE GROUND AND BELOW GROUND UTILITIES, STRUCTURES, AND APPURTENANCES SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE EXACT HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES, STRUCTURES, AND APPURTENANCES IN THE PATH OF AND ADJACENT TO THE PROPOSED WORK.
5. SITE DRAINAGE, INCLUDING THE PROJECT SITE AND ADJACENT PRIVATE AND PUBLIC ROADWAYS, DRIVES, PARKING AREAS OR PROPERTIES SHALL BE MAINTAINED THROUGHOUT THE CONSTRUCTION PERIOD.
6. CONTRACTOR SHALL PROTECT AND SUPPORT ALL EXISTING UTILITIES DESIGNATED TO REMAIN FOR THE DURATION OF THE CONTRACT.
7. THE CONTRACTOR SHALL NOTIFY THE LOCAL GOVERNMENT, LOCAL FIRE DEPARTMENT AND THE NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION (NYSDEC) AS NECESSARY AND SHALL OBTAIN ANY REQUIRED PERMITS PRIOR TO BEGINNING WORK. COPIES OF ANY REQUIRED PERMITS SHALL BE PROVIDED TO THE OWNER PRIOR TO BEGINNING THE WORK.
8. CONTRACTOR SHALL REMOVE FROM SITE, MATERIALS NOT INDICATED TO BE SALVAGED INCLUDING ALL DEBRIS. ALL REMOVED MATERIALS SHALL BECOME THE PROPERTY OF CONTRACTOR WHO SHALL LEGALLY DISPOSE OF SAME.
9. ALL TREES, SHRUBS AND PLANTS DESIGNATED TO REMAIN AND DISTURBED BY CONSTRUCTION OPERATIONS, SHALL BE REPLACED IN-KIND AS DIRECTED BY THE ARCHITECT/ENGINEER AND/OR OWNER'S DESIGNATED REPRESENTATIVE AT NO ADDITIONAL COST TO THE OWNER.
10. THE CONTRACTOR SHALL MAINTAIN SAFE VEHICULAR AND PEDESTRIAN ACCESS TO THE EXISTING BUILDINGS FOR THE DURATION OF THE CONTRACT.
11. WHEN EXISTING CONSTRUCTION WHICH IS TO REMAIN IS DAMAGED DURING THE COURSE OF CONSTRUCTION AS A RESULT OF CONTRACTORS WORK, IT SHALL BE REPAIRED AND/OR REPLACED WITH SIMILAR OR LIKE MATERIALS AS MUCH AS POSSIBLE, AT NO COST TO THE OWNER. ALL REPAIRS AND/OR REPLACEMENTS WILL BE SUBJECT TO OWNERS APPROVAL.
12. COORDINATE LOCATION OF TEMPORARY CONSTRUCTION FENCE AND TEMPORARY STONE STAGING AREA WITH OWNER

SITE NOTES:

1. WELL COMPACTED SUBGRADE SHALL BE UTILIZED UNDERNEATH CONSTRUCTION OF PAVEMENT AND CONCRETE BASES.
2. ALL STAKEOUT FOR THE PROPOSED SITE IMPROVEMENTS SHALL BE COMPLETED BY A NEW YORK STATE LICENSED LAND SURVEYOR.
3. IF ANY DISCREPANCIES ARE NOTED BETWEEN THESE CONSTRUCTION DOCUMENTS AND INFORMATION PROVIDED OR AN ERROR IS SUSPECT, IT SHALL BE IMMEDIATELY REPORTED TO THE CONSTRUCTION MANAGER AND LABELLA ASSOCIATES PROJECT MANAGER IN WRITING.
4. ANY PROOF-ROOLING OF EXPOSED SUBBASE BY A MINIMUM 10 TON SMOOTH DRUM ROLLER SHALL BE DONE UNDER THE GUIDANCE OF, AND OBSERVED BY, QUALIFIED ENGINEERING PERSONNEL PRIOR TO PLACEMENT OF SUBBASE MATERIAL. THE ROLLER SHOULD BE OPERATED IN THE STATIC MODE AND COMPLETE AT LEAST TWO (2) PASSES OVER THE EXPOSED SUBGRADES.
5. EXISTING WETLANDS DELINEATED BY LABELLA ASSOCIATES ON 07/2019.

GRADING NOTES:

1. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY THESE AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT ON THE CONTRACTOR SHALL APPLY.
2. SHEETING, IF REQUIRED DURING CONSTRUCTION, IS CONSIDERED TO BE PART OF THIS CONTRACT AND SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.
3. ALL TRENCHES THROUGH PAVEMENT SHALL BE SAW CUT PRIOR TO EXCAVATION AND AGAIN PRIOR TO PAVEMENT RESTORATION.
4. CONTRACTOR SHALL ADJUST THE RIMS OF ALL MANHOLES, CATCH BASINS, VALVE BOXES AND OTHER UTILITY SITE STRUCTURES TO MEET FINISHED GRADE IN AREAS REQUIRING REPAVING OR REGRADING AS PART OF THE WORK, INCLUDING THOSE THAT MAY NOT BE SHOWN ON THE PLANS.
5. VOIDS LEFT BY UTILITY OR STRUCTURE REMOVAL OR GRUBBING OPERATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH STRUCTURAL FILL (NYSDOT ITEM 304.12) IN AREAS UNDER AND WITHIN 5 FEET HORIZONTALLY OF ALL STRUCTURES, BUILDINGS AND PAVEMENTS. IN GRASSED AREAS, VOIDS LEFT SHALL BE FILLED AND PROPERLY COMPACTED WITH SUITABLE ON-SITE OR IMPORTED EARTHEN BACKFILL. ALL DISTURBED AREAS SHALL BE RESTORED.
6. THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER INTO THE TRENCHES/EXCAVATIONS. PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE GROUNDWATER LEVEL AS NECESSARY.
7. THE CONTRACTOR SHALL PLACE AT MINIMUM 6 INCHES OF CLEANED SCREENED TOPSOIL IN ALL DISTURBED AREAS PRIOR TO SEEDING

EROSION AND SEDIMENT CONTROL NOTES:

1. ALL EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, AND LOCAL GOVERNING SOIL AND WATER CONSERVATION AGENCY RECOMMENDATIONS AND STANDARDS. CONTRACTOR SHALL SUBMIT PROPOSED EROSION CONTROL PLAN INCLUDING SEQUENCING OF WORK TO THE ENGINEER FOR REVIEW PRIOR TO START OF WORK.
2. UTILIZE CONSTRUCTION METHODS/TECHNIQUES, WHICH WILL LIMIT THE EXPOSED EARTHEN AREAS AND MINIMIZE THE EFFECT OF EARTH DISTURBANCE ACTIVITIES ON SOIL EROSION. THE AREA OF DISTURBANCE SHALL BE LIMITED TO A MAXIMUM OF 5 ACRES UNLESS OTHERWISE APPROVED BY THE ENGINEER.
3. ALL SEDIMENTATION BARRIERS AND OTHER TEMPORARY OR PERMANENT MEASURES SHALL BE IN PLACE PRIOR TO THE START OF CONSTRUCTION. PLANS SHOW THE SUGGESTED MINIMUM MEASURES REQUIRED.
4. REMOVAL OF ALL TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE COMPLETED AT THE APPROVAL OF THE OWNER AND ENGINEER. THE COST OF REMOVING THESE MEASURES SHALL ALSO BE INCLUDED IN THE BID PRICE.
5. FOR THE DURATION OF THE PROJECT, THE CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM STORM/SANITARY SEWERS, AND/OR OTHER WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM ANY WORK DONE ON, OR IN SUPPORT OF THIS PROJECT.
6. DURING CONSTRUCTION NO WET OR FRESH CONCRETE OR LEACHATE SHALL BE ALLOWED TO ESCAPE INTO STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE, NOR SHALL WASHINGS FROM CONCRETE TRUCKS, MIXERS OR OTHER DEVICES BE ALLOWED TO ENTER ANY STORM/SANITARY SEWERS, DITCHES, RIVERS, OR WATER COURSES.
7. ALL EXCAVATED OR IMPORTED EARTHEN STOCKPILES SHALL BE SUITABLY STABILIZED AND PROTECTED BY SILT FENCE SO THAT IT CANNOT REASONABLY ENTER ANY WATER BODY, OR STORM OR SANITARY SEWER.
8. ALL METHODS AND EQUIPMENT PROPOSED BY THE CONTRACTOR TO ACCOMPLISH THE WORK FOR EROSION AND POLLUTION CONTROL SHALL BE SUBJECT TO APPROVAL OF THE ENGINEER.
9. THE CONTRACTOR SHALL BE REQUIRED TO TREAT TRAVELED AREAS TO CONTROL DUST. WATER SHALL BE APPLIED TO SUCH TRAVELED AREAS AS THE ARCHITECT/ENGINEER OR OWNER'S DESIGNATED REPRESENTATIVE MAY DESIGNATE. THE NUMBER OF APPLICATIONS AND THE AMOUNT OF WATER SHALL BE BASED UPON FIELD AND WEATHER CONDITIONS.
10. ALL AREAS OF SOIL DISTURBANCE RESULTING FROM THIS PROJECT WHICH WILL NOT BE SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED TO ESTABLISH GRASS, AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.
11. CONTRACTOR STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. STABILIZED CONSTRUCTION ENTRANCE(S), AS SHOWN ON THE PLANS SHALL BE PROVIDED. ALL DISTURBED AREAS SHALL BE RESTORED.
12. ALL CATCH BASINS/DRAINAGE INLETS SHALL HAVE STONED INLET PROTECTION AROUND THEM AND GEOTEXTILE FABRIC OVER THE GRATE TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM.
13. TILL ALL COMPACTED SOILS LOCATED IN LAWN AREAS TO RESTORE THE ORIGINAL PROPERTIES OF THE SOIL PRIOR TO SEEDING.

LANDSCAPING NOTES

1. ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED IN THE LATEST EDITION OF AMERICAN STANDARD FOR NURSERY STOCK BY AMERICAN ASSOCIATION OF NURSERYMEN, ANSI Z60.1.
2. REPLACE, IN ACCORDANCE WITH THE DRAWINGS AND SPECIFICATIONS, ALL PLANTS THAT ARE MISSING, DEAD, OR DO NOT DEVELOP FROM PLANTING STOCK, OR AS DETERMINED BY THE CLIENT ARE IN UNHEALTHY OR UNSIGHTLY CONDITION, AND HAVE LOST THEIR NATURAL SHAPE DUE TO DEAD BRANCHES OR OTHER CAUSES DUE TO THE CONTRACTORS NEGLIGENCE. CONTRACTOR SHALL BEAR THE COST OF COMPLETE REPLACEMENT(S). IN CASE OF ANY QUESTIONS REGARDING THE CONDITION AND SATISFACTORY ESTABLISHMENT OF A REJECTED PLANT, THE LANDSCAPE ARCHITECT'S DECISION IS FINAL. PROVIDE A GUARANTEE FOR ALL REPLACEMENT PLANTS FOR AT LEAST ONE FULL GROWING SEASON.
3. REMOVE AND IMMEDIATELY REPLACE ALL PLANTS, AS DETERMINED BY THE CLIENT TO BE UNSATISFACTORY DURING THE INITIAL PLANTING INSTALLATION.
4. SHRUBS SHALL MEET THE REQUIREMENTS FOR HEIGHT INDICATED IN THE PLANT LIST. THE MEASUREMENTS FOR HEIGHT SHALL BE TAKEN FROM THE GROUND LEVEL TO THE AVERAGE HEIGHT OF THE TOP BRANCHES OF THE PLANT, AND NOT THE LONGEST BRANCH. SINGLE STEMMED OR THIN PLANTS WILL NOT BE ACCEPTED. SIDE BRANCHES SHALL BE GENEROUS, WELL TWIGGED, AND THE PLANT AS A WHOLE WELL SEATED IN THE GROUND. PLANTS SHALL BE IN A MOIST, VIGOROUS CONDITION, FREE FROM DEAD WOOD, BRUISES, OR OTHER ROOT OR BRANCH INJURIES.
5. PLANTED AREAS WILL BE INSPECTED AT COMPLETION OF INSTALLATION AND ACCEPTED SUBJECT TO COMPLIANCE WITH SPECIFIED MATERIALS AND INSTALLATION REQUIREMENTS. INSPECTION TO DETERMINE FINAL ACCEPTANCE OF PLANTED AREAS WILL BE MADE BY THE CLIENT UPON CONTRACTORS REQUEST. PROVIDE NOTIFICATION AT LEAST 10 WORKING DAYS BEFORE REQUESTED INSPECTION DATE. PLANTED AREAS WILL BE ACCEPTED PROVIDED ALL MATERIALS ARE ALIVE AND IN A HEALTHY, VIGOROUS CONDITION. UPON FINAL ACCEPTANCE, THE OWNER WILL ASSUME MAINTENANCE.
6. A TWO YEAR GUARANTEE SHALL BE PROVIDED FOR ALL NEW AND RELOCATED PLANT MATERIALS FROM DATE OF FINAL ACCEPTANCE TO THE OWNER.
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THEIR OWN QUANTITY TAKEOFF.
8. THE CONTRACTOR SHALL PERFORM A ROUGH FIELD STAKE OUT OF ALL PLANT MATERIAL AND SHRUB BEDS. CONTACT THE ENGINEER FOR INSPECTION AND APPROVAL. LOCATIONS SHOWN ON THE PLAN CONVEY DESIGN INTENT ONLY. ACTUAL LOCATIONS WILL BE AS DIRECTED BY THE ENGINEER AT THE TIME OF INSTALLATION.
9. NAMES OF WOODY PLANT MATERIAL MUST COMPLY WITH "STANDARDIZED PLANT NAMES" AS ADOPTED BY THE LATEST EDITION OF THE AMERICAN JOINT COMMITTEE OF HORTICULTURAL NOMENCLATURE. PROVIDE STOCK TRUE TO BOTANICAL NAME AND LEGIBLY TAGGED.
10. SHOULD LOCATION OF TREES BE WITHIN 5' OF UNDERGROUND UTILITIES, RELOCATE SAID TREES TO MIN. OF 5' FROM ROOT BALL TO UTILITIES.
11. SHOULD LOCATIONS OF TREES OF LARGER SPECIES BE WITHIN 20' OF OVERHEAD WIRES, RELOCATE SAID TREES TO MIN. OF 20' TO WIRES.
12. STAKE AND WRAP TREES IMMEDIATELY AFTER PLANTING. STAKES AND WRAPPING ARE TO BE REMOVED BY THE CONTRACTOR AT THE END OF THE GUARANTEE PERIOD.
13. MULCH ALL TREES AND SHRUB BEDS WITH 3" DOUBLE GROUND HARDWOOD BAR, COLOR: DARK BROWN. 'RIVER STONE' SURFACE SHALL BE SMOOTH, WASHED, GRADED GRAVEL, 1" TO 2" SIZE. PLACE ON FIBER MAT WEED BARRIER: MIRAFI 100X OR EQUAL.
14. PLANTING BACK FILL MIXTURE: 4 PARTS TOP SOIL; 1 PART PEAT MOSS; 1/2 PART WELL ROTTED MANURE; 10 LBS. 5-10-5 PLANTING FERTILIZER THOROUGHLY MIXED PER CUBIC YARD.
15. TOPSOIL SHALL BE FURNISHED FROM THE STOCKPILED ON-SITE MATERIAL. ON-SITE MATERIAL IS TO BE MECHANICALLY SCREENED, ANYTHING LARGER THAN 0.5" SHALL BE REMOVED AND DISPOSED. IF AN INSUFFICIENT QUANTITY EXISTS, FURNISH FROM OFF-SITE SOURCES IN QUANTITIES SUFFICIENT TO COMPLETE THE REQUIREMENTS AS SPECIFIED. TOPSOIL SHALL BE NATURAL, FRIABLE, FERTILE SOIL, CHARACTERISTIC OF PRODUCTIVE SOIL IN THE VICINITY, FREE FROM STONES, CLAY LUMPS, ROOTS AND OTHER FOREIGN MATTER WITH AN ACIDITY BETWEEN 6.0 AND 6.8 pH. PROPOSED TOPSOIL MATERIAL FROM OFF-SITE SOURCES SHALL BE MECHANICALLY SCREENED SUBJECT TO APPROVAL BY THE ENGINEER.
16. A MINIMUM OF 6" OF MECHANICALLY SCREENED TOPSOIL SHALL BE PROVIDED ON ALL AREAS TO BE SEEDED.
17. LAWN SEED MIXTURE- APPLY TO ALL AREAS NOT PAVED, PLANTED, DESIGNATED TO REMAIN NATURAL OR OTHERWISE SEEDED. SOLAR FARM FINE FESCUE SEED MIX SHALL BE:

GERMINATION	% WEIGHT	% PURITY	%
CREEPING RED FESCUE	50	90	90
DUTCH WHITE CLOVER	20	90	90
CHEWINGS FESCUE	15	90	90
HARD FESCUE	15	90	90

SEEDING RATE: 200 LBS. PER ACRE
FERTILIZER: 28:4:12 GRANULAR RATE: 1,000 LBS. PER ACRE
MULCH ALL SEEDED AREAS WITH APPROVED STRAW AT A RATE OF 4,000 LBS. PER ACRE.

ALL SEEDED AREAS SHALL RECEIVE:
FERTILIZER: 28:4:12 AT A RATE OF 1,000 LBS. PER ACRE
MULCH: APPROVED STRAW AT A RATE OF 2 TONS. PER ACRE
PROVIDE INOCULANT AT 5 TIMES MANUFACTURER'S RECOMMENDED RATE WHEN HYDROSEEDING.
FOR SLOPES STEEPER THAN 2:1, ADD 10 LBS ANNUAL RYE PER ACRE.

18. ANTIDESICCANT: PROTECTIVE FILM EMULSION, PROVIDING A PROTECTIVE FILM OVER PLANT SURFACES, BUT PERMEABLE TO PERMIT TRANSPIRATION. MIXED AND APPLIED IN ACCORDANCE WITH MANUFACTURE'S INSTRUCTIONS. APPLY TO ALL BROADLEAF EVERGREEN SHRUBS PER MANUFACTURER'S RECOMMENDATIONS.
19. LANDSCAPE MATERIALS SHALL BE INSTALLED BY LOCAL COMPANIES FAMILIAR WITH THE CONDITIONS IN THIS AREA THAT EMPLOY NYS CERTIFIED NURSERY PROFESSIONALS.
20. STAKE PLANTS AS INDICATED OR AS APPROVED IN THE FIELD. IF OBSTRUCTIONS ARE ENCOUNTERED THAT ARE NOT SHOWN ON THE DRAWINGS, DO NOT PROCEED PLANTING OPERATIONS UNTIL ALTERNATIVE PLANT LOCATIONS HAVE BEEN SELECTED.
21. MAINTAIN PLANTS UNTIL COMPLETION AND FINAL ACCEPTANCE OF THE ENTIRE PROJECT. MAINTENANCE SHALL INCLUDE PRUNING, CULTIVATING, EDGING, REMULCHING, FERTILIZING, WEEDING, WATERING AS REQUIRED FOR HEALTHY GROWTH, AND APPLICATION OF APPROPRIATE INSECTICIDES AND FUNGICIDES NECESSARY TO MAINTAIN PLANTS FREE OF INSECT AND DISEASE. RESET SETTLED PLANTS TO PROPER GRADE AND POSITION. RESTORE PLANTING SAUCER AND REMOVE DEAD MATERIAL. TIGHTEN AND REPAIR GUIDE WIRES AND DEFICIENCIES WITHIN THE FIRST 24 HOURS OF INITIAL PLANTING, AND NOT LESS THAN TWICE PER WEEK UNTIL FINAL ACCEPTANCE.
22. PLANTING SHALL BE PERFORMED ONLY BY EXPERIENCED WORKERS OR UNDER THE SUPERVISION OF A QUALIFIED SUPERVISOR.
23. FINAL LOCATION OF TREES AND OTHER LANDSCAPING SHALL BE DETERMINED IN THE FIELD BASED ON UTILITY STAKEOUT. LANDSCAPING SHALL BE PLACED SO AS NOT TO CONFLICT WITH UTLITIES.

LEGEND

EXISTING	PROPOSED	DESCRIPTION
		PROJECT BENCHMARK / CONTROL POINTS
		WETLAND
		WETLAND BUFFER
		BORING LOCATIONS
		TREE REMOVAL
X X X X		- REMOVAL UTILITY
/ / / /		- REMOVAL FENCE
		SAWCUT
		PROTECTION (OBJECT)
		TREE PROTECTION
		FENCE, CHAIN LINK
		FENCE, TYPE 1
		FENCE, TYPE 2
		FENCE, GUIDE RAIL
		TREE/VEGITATION LIMIT
BLDG	BLDG	BUILDING/STRUCTURE
R	R	PROPERTY LINE
		SETBACK LINE
PE	PE	EASEMENTS
ADE	D.E.W.	RIGHT-OF-WAY
		RETAINING WALL
		BOLLARD
		FLAG POLE
		SIGN
		DECIDUOUS TREE
		CONIFEROUS TREE
		TREE STUMP
		OUTLET PROTECTION
		BIORETENTION
		BOLLARD LIGHT POLE
		LIGHT POLE SINGLE
		LIGHT POLE DOUBLE
		LIGHT POLE TRIPLE
		LIGHT POLE QUAD
		UTILITY POLE
		UTILITY POLE WITH LIGHT
HH	HH	HANDHOLE
E	E	MANHOLE

EXISTING	PROPOSED	DESCRIPTION
		END SECTION
		CATCH BASIN
		DRAIN BASIN
		INLET MANHOLE
		MANHOLE (SOLID COVER)
		INLET DRYWELL
CO_o	CO_o	CLEAN OUT
DS_o	DS_o	DOWN SPOUT
		HYDRANT
		VALVE
		ELECTRIC BOX
		BURIED FIBER OPTIC LINE
		REBAR
		IRON PIPE (PROPERTY CORNER)
CTV CTV	CTV CTV	CATV
COMM COMM	COMM COMM	COMMUNICATIONS
FO FO	FO FO	FIBER OPTICS
SIG	SIG	SIGNAL LINE
T T	T T	TELEPHONE LINE
OE OE	OE OE	OVERHEAD ELECTRIC
P P	P	POWER LINE
UE UE	UE UE	UNDERGROUND ELECTRIC
G	G	GAS LINE
SA	SA	SANITARY LINE
FM FM	FM FM	SANITARY FORCEMAIN
ST	ST	STORM LINE
		STORM UNDERDRAIN PIPE
FS	FS	WATER FIRE SERVICE LINE
W	W	WATER LINE
ST-SA	ST-SA	COMBINED SANITARY AND STORM
510	510	MAJOR CONTOUR
509	509	MINOR CONTOUR
		℄ OF DRAINAGE SWALE
		EROSION FENCE
		FLOW/SLOPE DIRECTION
		SILT SOCK INLET PROTECTION
		SILT FENCE INLET PROTECTION
		CHECK DAM
		STABILIZED CONSTRUCTION ENTRANCE (TEMPORARY)

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GREENWICH, CT 06830

Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04
DRAWN BY: TAP
REVIEWED BY: DJH
ISSUED FOR: SITE PLAN APPROVAL
DATE: MARCH 2020
DRAWING NAME:

GENERAL NOTES, LEGEND AND DRAWING INDEX

DRAWING NUMBER:

C001

Date & Time: 3/11/2020 11:26 AM, By: Petraichuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-000 COVER SHEET.dwg

1 C002 OVERALL SITE PLAN

SCALE: 1" = 100'

PROJECT DATA

PARCEL INFORMATION

APPLICANT	SOURCE RENEWABLES LLC
PARCEL ADDRESS	6966 TAFT ROAD, EAST SYRACUSE, NY 13057
TAX NUMBER	034.000-1-20.1
PARCEL AREA	37.682 ACRES
PROJECT AREA	17.3 ACRES
EXISTING IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 0 SF GRAVEL 0 SF ASPHALT 0 SF TOTAL 0.00 AC
PROPOSED IMPERVIOUS WITHIN PROJECT AREA	BUILDINGS 0 SF CONCRETE 910 SF GRAVEL 20,003 SF ASPHALT 0 SF TOTAL 0.48 AC
PANEL COVERAGE	6.35 ACRES
TOTAL DISTURBANCE AREA	**0.82 ACRES**

ZONING INFORMATION

	REQUIRED	PROPOSED
CLASSIFICATION	RESIDENTIAL - AGRICULTURAL DISTRICT (R-A)	
FRONT SETBACK	50 FT	±65 FT
SIDE SETBACK	50 FT	±51 FT
REAR SETBACK	50 FT	±72 FT

WETLAND INFORMATION

	EXISTING	PROPOSED
WETLANDS WITHIN PROPERTY	2.62 ACRES	2.62 ACRES

SYSTEM SUMMARY

MODULE

MANUFACTURER	HANWHA Q-CELLS USA
MODULE MODEL	Q.PEAK DUO L-G5.3 395
MODULE OUTPUT	395W
MODULE COUNT	13,552
DC SYSTEM OUTPUT	5.35 MWDC
	DESIGN TEMPERATURES
EXTREME MINIMUM	-24°C

INVERTER

MANUFACTURER	SUNGROW
	INVERTER NOMINAL OUTPUT POWER
@50°C, PF=1	2500kVA
QUANTITY/TOTAL	2
AC SYSTEM OUTPUT NOM	3.4 MWAC

RACKING

MANUFACTURER	RBI OR APVD EQUAL
TILT	20°
PITCH	22.0 FT
FOUNDATION	PILE DRIVEN POSTS
CONFIGURATION	1-UP PORTRAIT
AZIMUTH	177°

PROJECT SITE

INTERCONNECTION VOLTAGE	13.2kV ASSUMED
AREA INSIDE FENCELINE	16.20 ACRES

WETLAND

100' WETLAND BUFFER ZONE

50 0 50 100 150 200'
1" = 100'

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EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

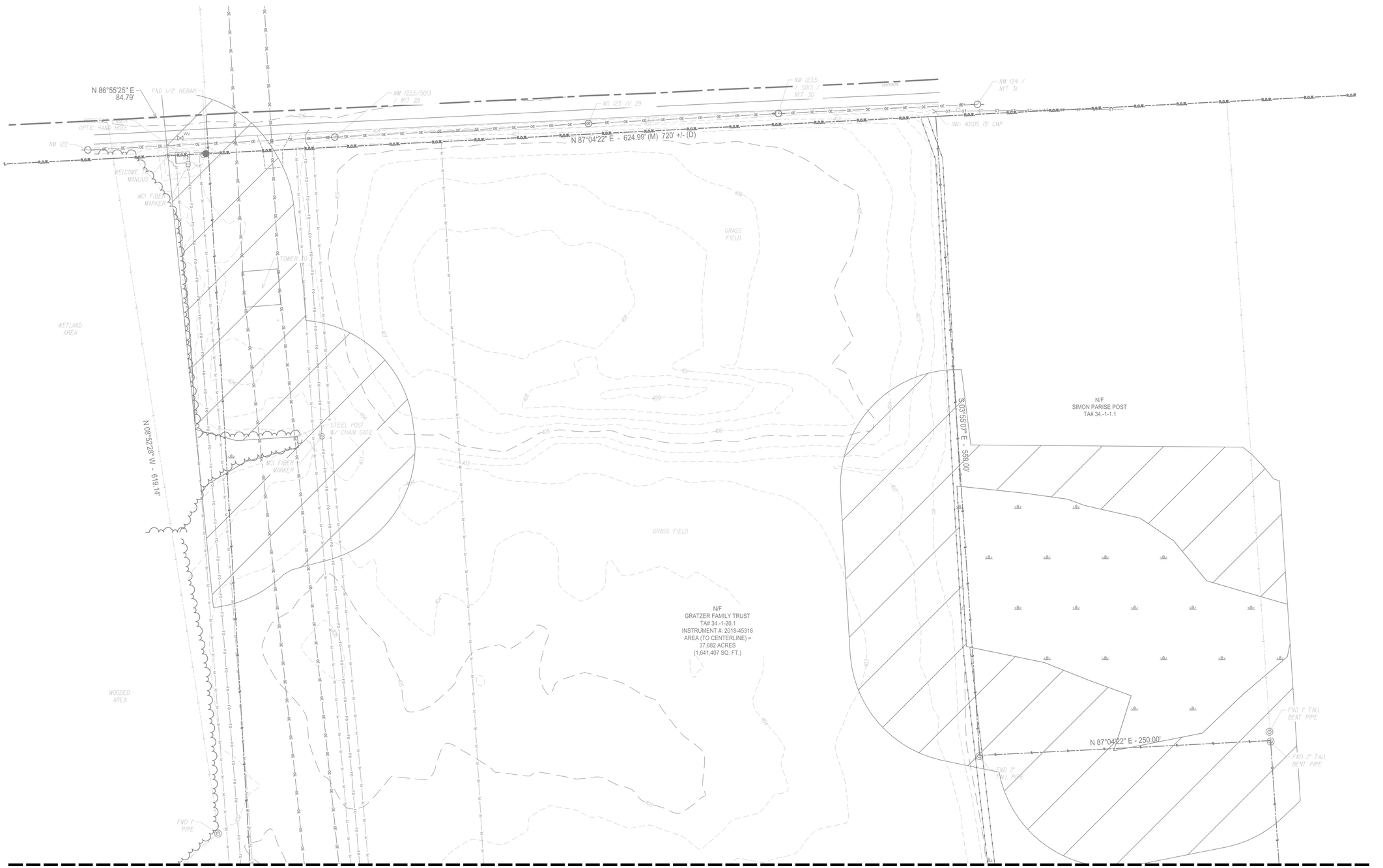
DRAWING NAME:

OVERALL SITE PLAN

DRAWING NUMBER:

C002

Date & Time: 3/11/2020 11:27 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C002 SITE PLAN.dwg



MATCH TO DRAWING 1/C102

1 / C101 EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 40'

N

LIMIT OF TREE AND STUMP REMOVAL

TREE AND STUMP REMOVAL

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:27 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-100 DEMO PLAN.dwg

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EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:

REVISIONS

PROJECT NUMBER: 2191567.04

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REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

DRAWING NAME:

EXISTING CONDITIONS AND DEMOLITION PLAN (SHEET 1 OF 3)

DRAWING NUMBER:

C101

1 C102 EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 40'

N

LIMIT OF TREE AND STUMP REMOVAL

TREE AND STUMP REMOVAL

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:27 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-100 DEMO PLAN.dwg

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PROJECT NUMBER: 2191567.04

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REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

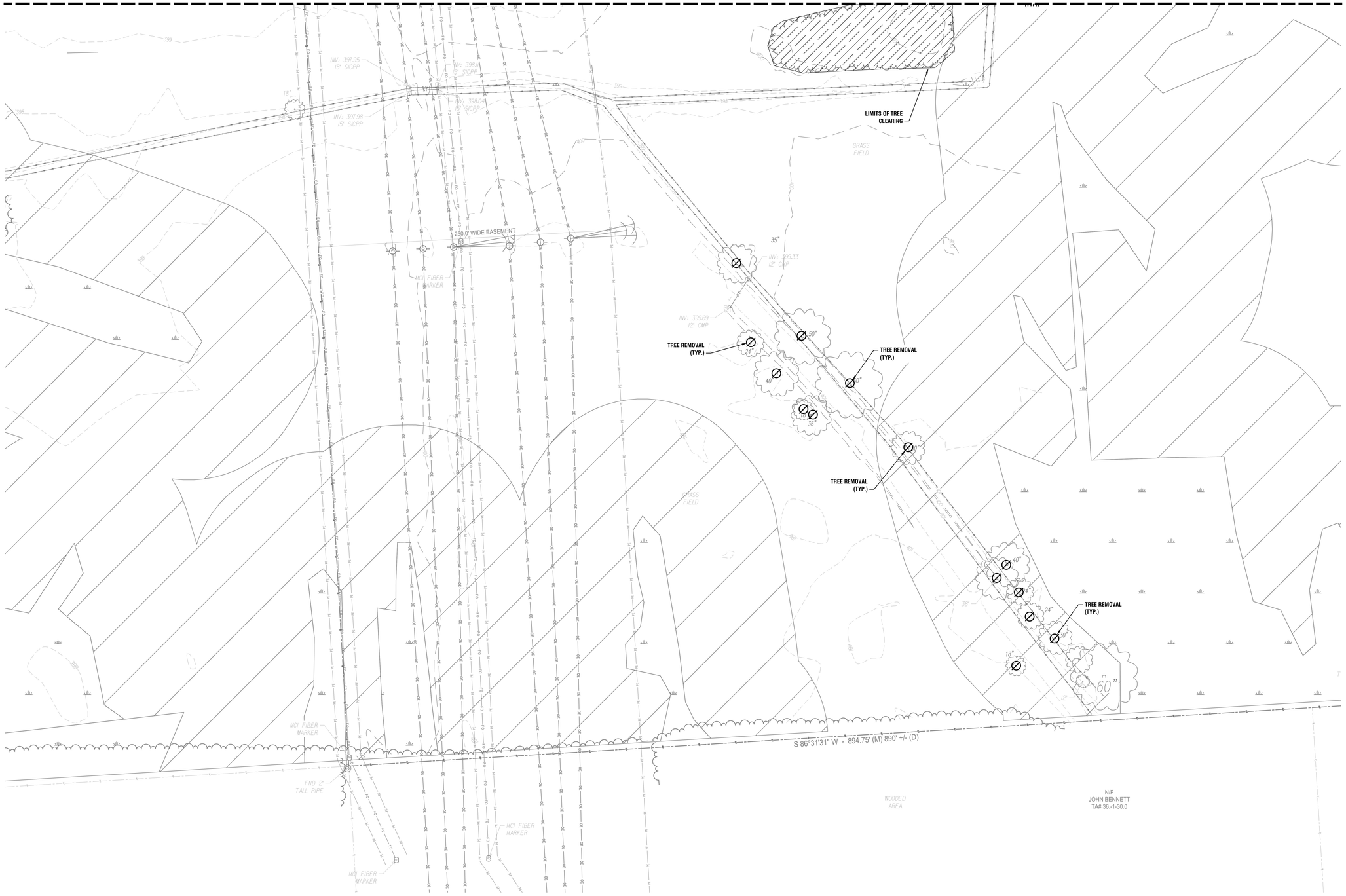
DATE: MARCH 2020

DRAWING NAME:

EXISTING CONDITIONS AND DEMOLITION PLAN (SHEET 2 OF 3)

DRAWING NUMBER:

C102



1 C103 EXISTING CONDITIONS AND DEMOLITION PLAN

SCALE: 1" = 40'

N

LIMIT OF TREE AND STUMP REMOVAL

TREE AND STUMP REMOVAL

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:27 AM By: Petranchuk, Tim
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REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

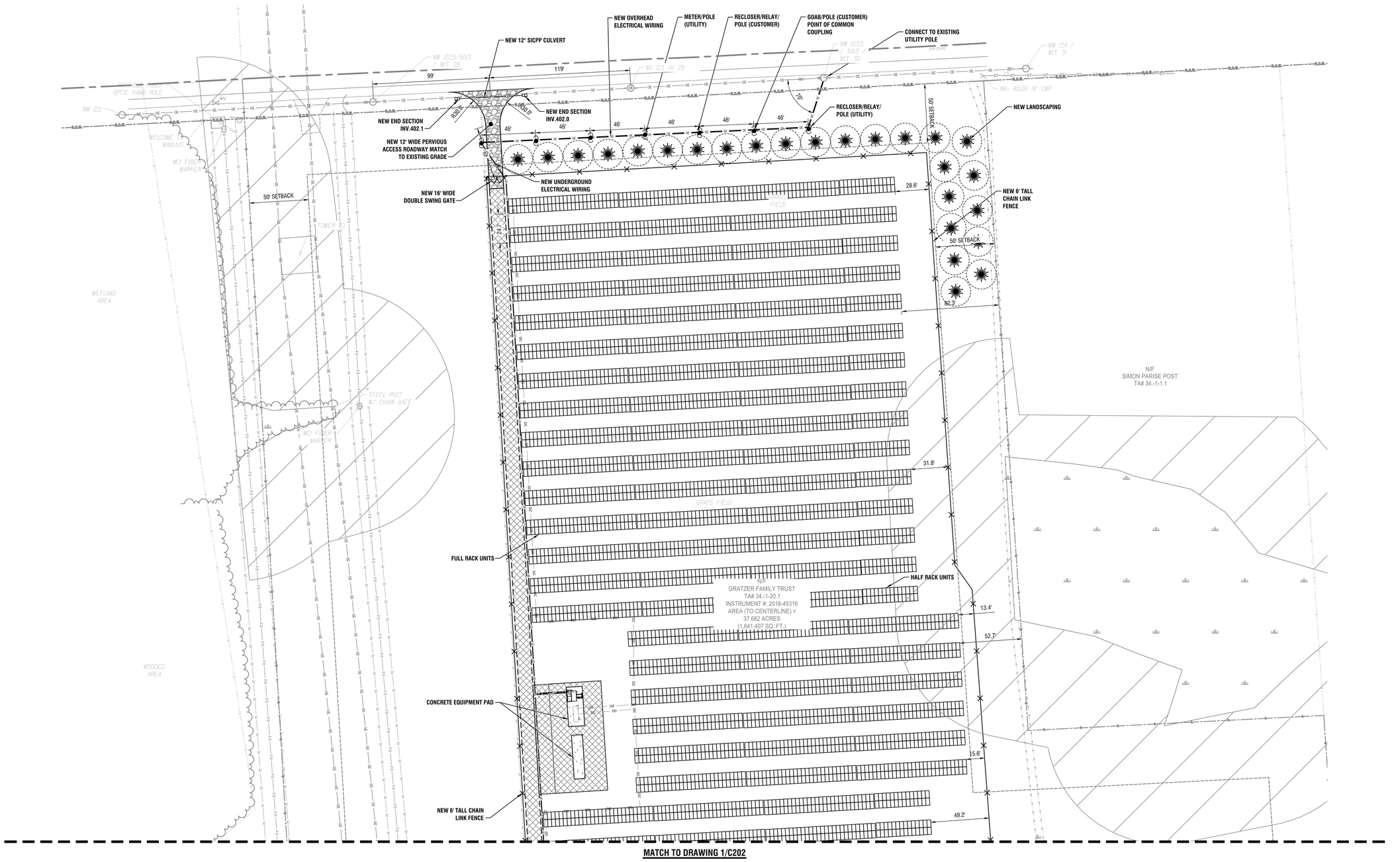
DATE: MARCH 2020

DRAWING NAME:

EXISTING CONDITIONS AND DEMOLITION PLAN (SHEET 3 OF 3)

DRAWING NUMBER:

C103



1 / C201 SITE AND UTILITY PLAN

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

LANDSCAPING PLAN LIST		
MAP UNIT SYMBOL	SPECIES	TREE COUNT
○	SCOTCH PINE	25

20 0 20 40 60 80'

1" = 40'

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ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

DRAWING NAME:

SITE AND UTILITY PLAN (PAGE 1 OF 3)

DRAWING NUMBER:

C201

Date & Time: 3/11/2020 11:28 AM, By: Petranchuk, Tim
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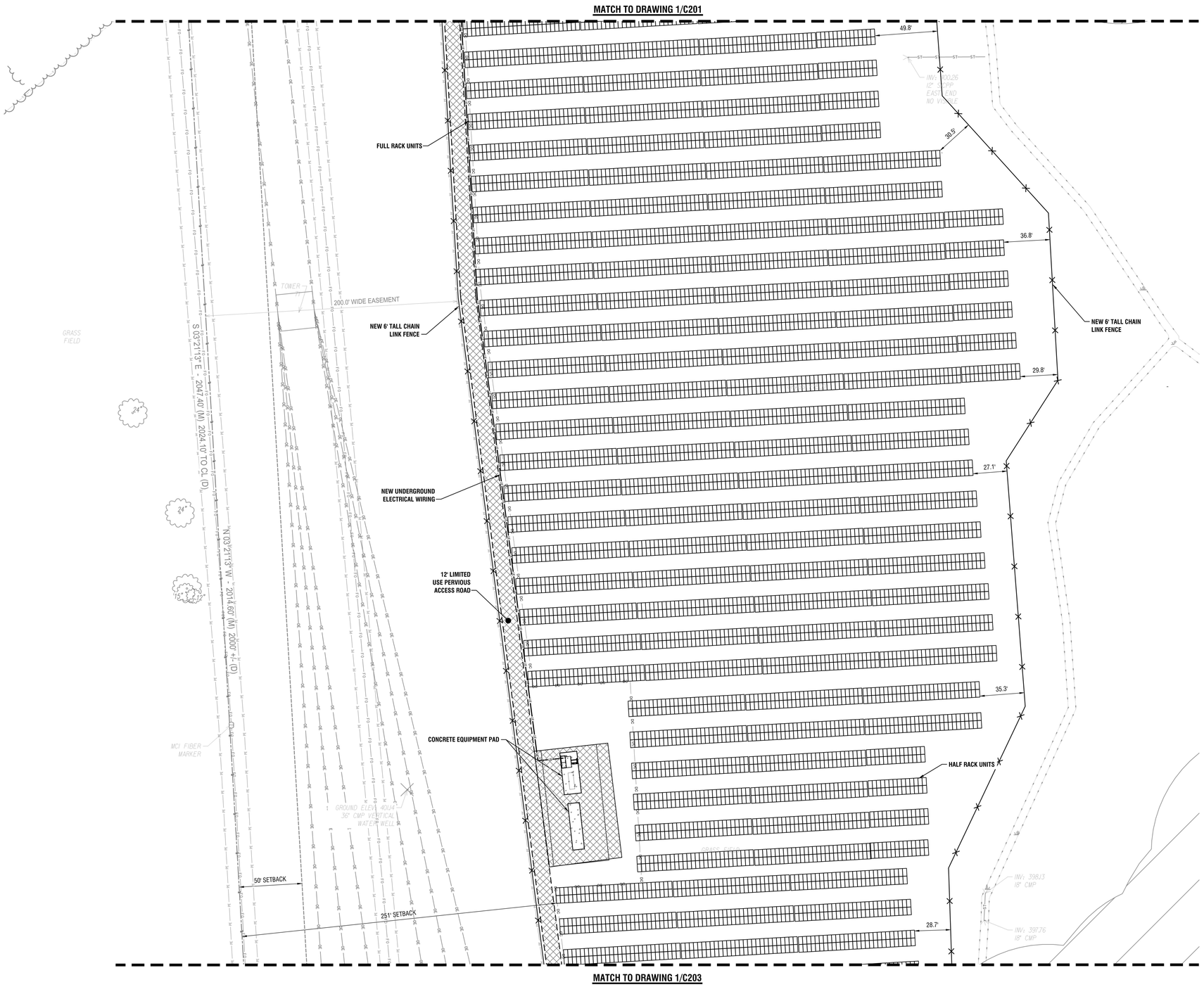

1 C202 SITE AND UTILITY PLAN

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:28 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C002 SITE PLAN.dwg

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NO:	DATE:	DESCRIPTION:

REVISIONS

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

DRAWING NAME:

SITE AND UTILITY PLAN (PAGE 2 OF 3)

DRAWING NUMBER:

C202

1 / C203 SITE AND UTILITY PLAN

SCALE: 1" = 40'

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REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

DRAWING NAME:

SITE AND UTILITY PLAN (PAGE 3 OF 3)

DRAWING NUMBER:

C203

Date & Time: 3/11/2020 11:28 AM By: Petranchuk, Tim
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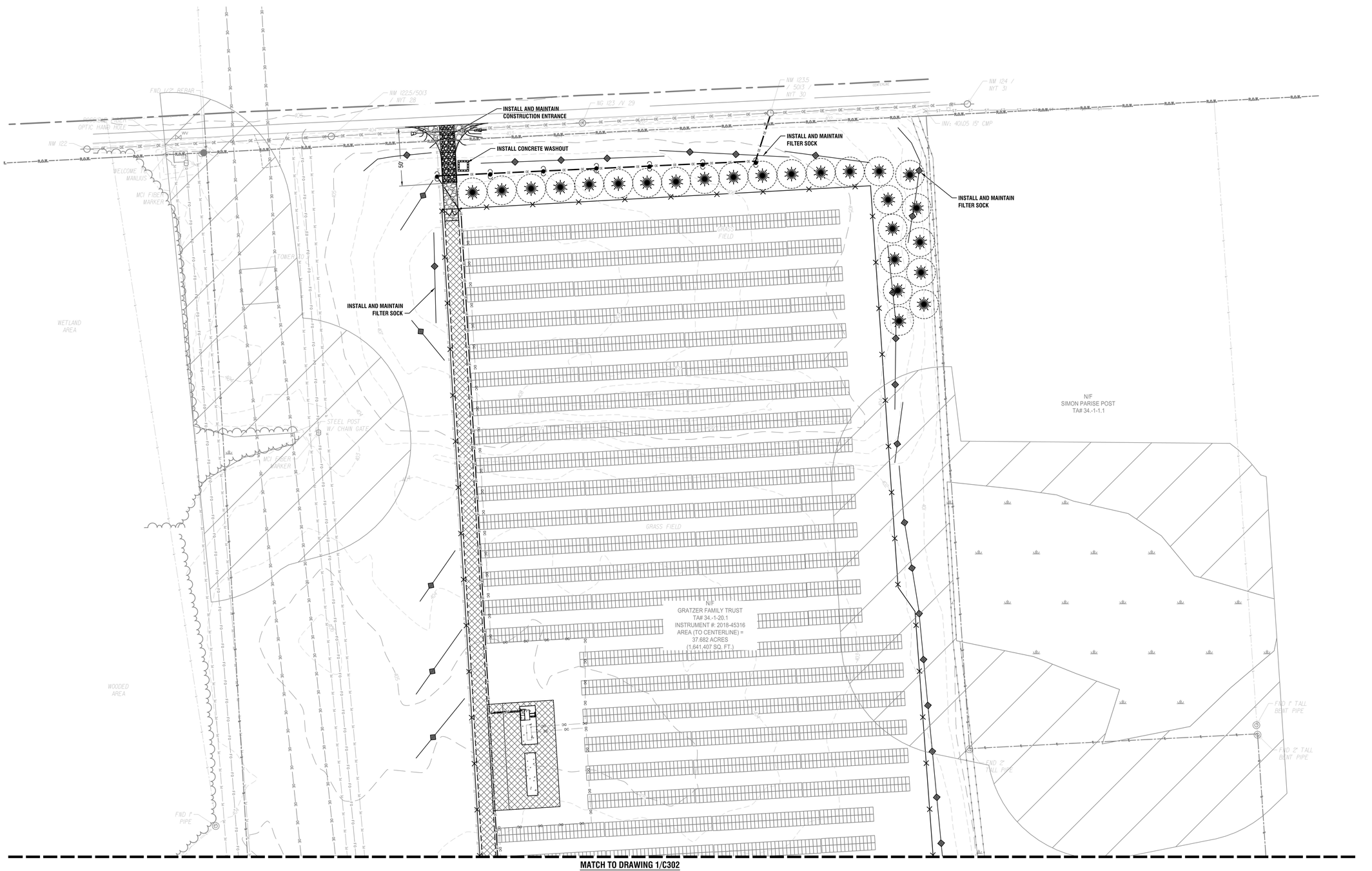

1 C301 GRADING AND EROSION CONTROL PLAN

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:28 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-301 Grading.dwg

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TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

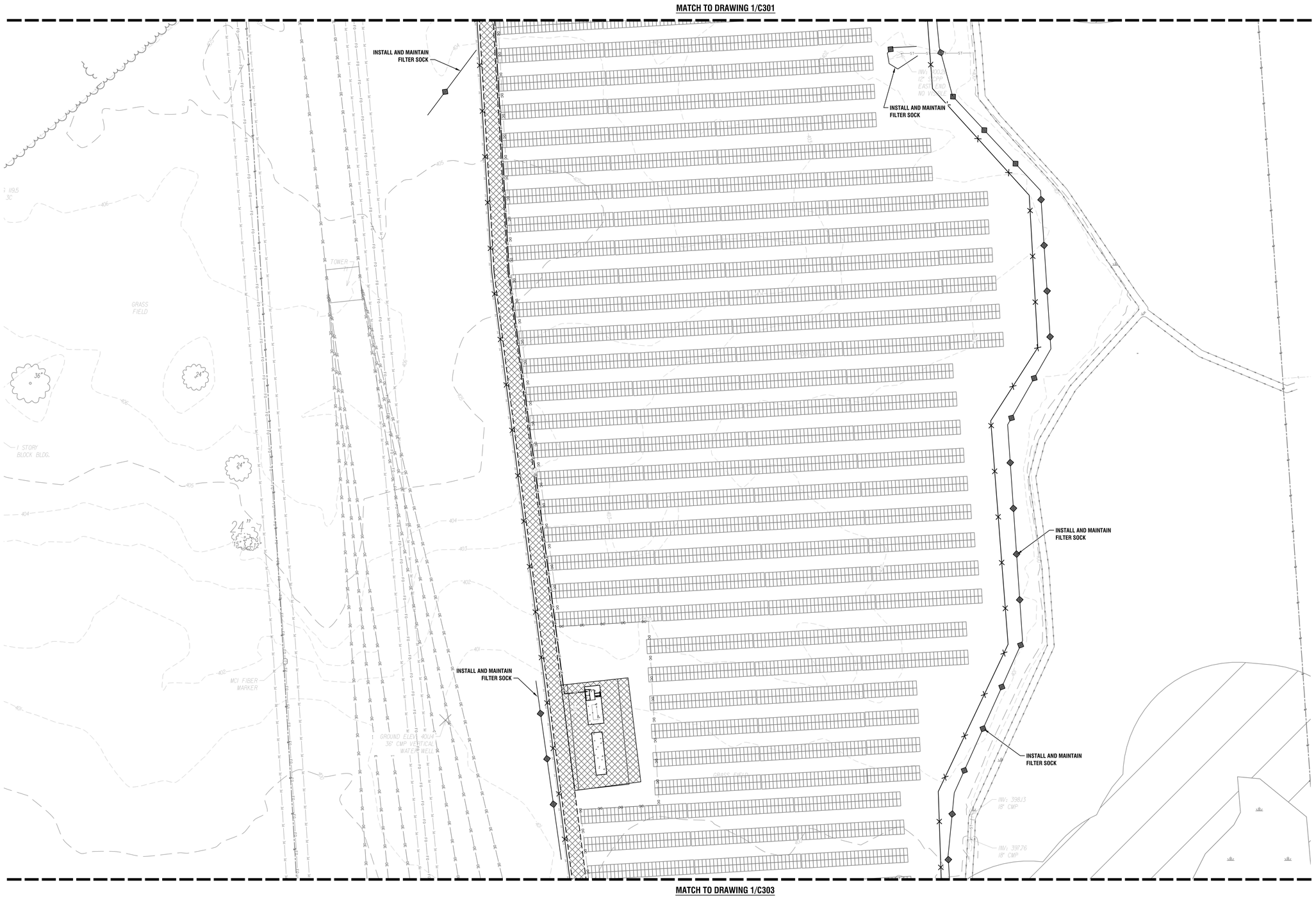
DATE: MARCH 2020

DRAWING NAME:

GRADING AND EROSION CONTROL PLAN (SHEET 1 OF 3)

DRAWING NUMBER:

C301



1 / C302 GRADING AND EROSION CONTROL PLAN

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'
1" = 40'

Date & Time: 3/11/2020 11:28 AM By: Petranchuk, Tim
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REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

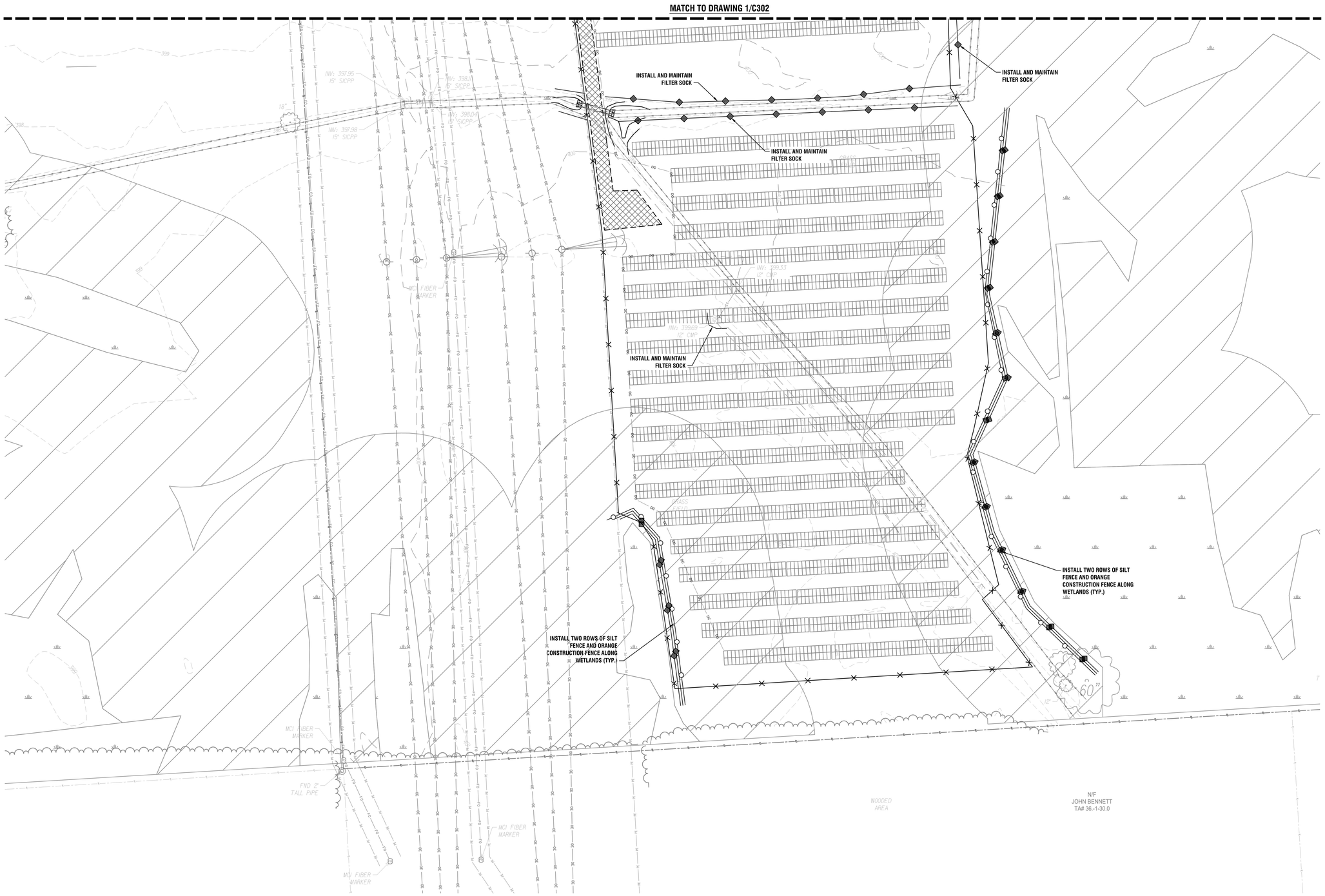
DATE: MARCH 2020

DRAWING NAME:

GRADING AND EROSION CONTROL PLAN (SHEET 2 OF 3)

DRAWING NUMBER:

C302



1 / C303 GRADING AND EROSION CONTROL PLAN

SCALE: 1" = 40'

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:28 AM By: Petranchuk, Tim
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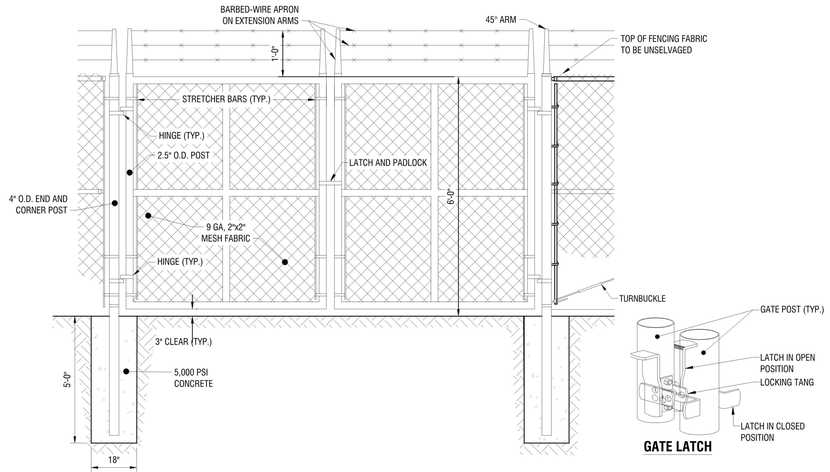
DATE: MARCH 2020

DRAWING NAME:

GRADING AND EROSION CONTROL PLAN (SHEET 3 OF 3)

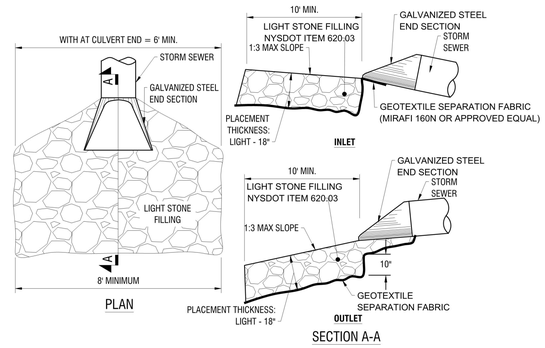
DRAWING NUMBER:

C303



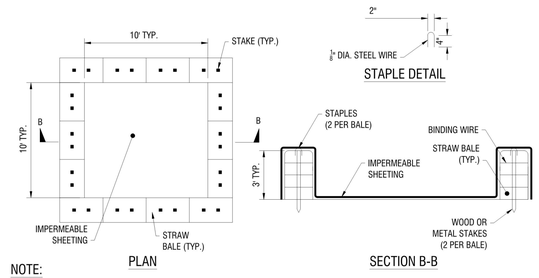
8 C501 6' TALL 16' WIDE DOUBLE SWING GATE

N.T.S.



7 C501 END SECTION

N.T.S.



NOTE:

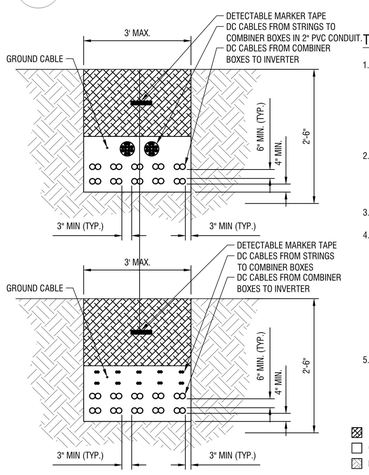
CAN BE TWO STACKED BALES OR PARTIALLY EXCAVATED TO REACH 3 FT DEPTH

CONSTRUCTION SPECIFICATIONS

1. LOCATE WASHOUT STRUCTURE A MINIMUM OF 50 FEET AWAY FROM OPEN CHANNELS, STORM DRAIN INLETS, SENSITIVE AREAS, WETLANDS, BUFFERS AND WATER COURSES AND AWAY FROM CONSTRUCTION TRAFFIC.
2. SIZE WASHOUT STRUCTURE FOR VOLUME NECESSARY TO CONTAIN WASH WATER AND SOLIDS AND MAINTAIN AT LEAST 4 INCHES OF FREEBOARD. TYPICAL DIMENSIONS ARE 10 FEET X 10 FEET X 3 FEET DEEP.
3. PREPARE SOIL BASE FREE OF ROCKS OR OTHER DEBRIS THAT MAY CAUSE TEARS OR HOLES IN THE LINER. FOR LINER, USE 10 MIL OR THICKER UV RESISTANT, IMPERMEABLE SHEETING, FREE OF HOLES AND TEARS OR OTHER DEFECTS THAT COMPROMISE IMPERMEABILITY OF THE MATERIAL.
4. PROVIDE A SIGN FOR THE WASHOUT IN CLOSE PROXIMITY TO THE FACILITY.
5. KEEP CONCRETE WASHOUT STRUCTURE WATER TIGHT. REPLACE IMPERMEABLE LINER IF DAMAGED (E.G., RIPPED OR PUNCTURED). EMPTY OR REPLACE WASHOUT STRUCTURE THAT IS 75 PERCENT FULL, AND DISPOSE OF ACCUMULATED MATERIAL PROPERLY. DO NOT REUSE PLASTIC LINER. WET-VACUUM STORED LIQUIDS THAT HAVE NOT EVAPORATED AND DISPOSE OF IN AN APPROVED MANNER. PRIOR TO FORECASTED RAINSTORMS, REMOVE LIQUIDS OR COVER STRUCTURE TO PREVENT OVERFLOWS. REMOVE HARDENED SOLIDS, WHOLE OR BROKEN UP. FOR DISPOSAL OR RECYCLING. MAINTAIN RUNOFF DIVERSION AROUND EXCAVATED WASHOUT STRUCTURE UNTIL STRUCTURE IS REMOVED.

6 C501 CONCRETE WASHOUT AREA WITH STRAW BALES

N.T.S.



TRENCH NOTES:

1. ADDITIONAL MISCELLANEOUS CABLES FROM FIELD DEVICES SUCH AS TEMPERATURE TRANSMITTERS, METEOROLOGICAL STATIONS, REFERENCE MODULES, SIGNAL, GROUND SHALL UTILIZE THE UNDERGROUND TRENCH SYSTEM WHERE IT IS APPLICABLE. CABLES SHALL BE INSTALLED AT LAYERS AS INDICATED.
2. THE TRENCH DETAIL BELOW SHOWS A SAMPLE NUMBER OF DC FEEDER CABLES FROM DC COMBINER BOXES. SPECIFIC CABLE QUANTITIES ARE SHOWN IN RESPECTIVE DETAIL SECTION.
3. TRENCHING MUST COMPLY WITH THE LATEST STANDARDS.
4. CLEAN FILL REQUIREMENTS: TRENCHING BEDDING SHALL BE SAND OR ROCK-FEE FILL SCREENED TO A MAXIMUM 1/4" SIZE AS A CUSHING (FREE OF SHARP EDGE MATERIAL, ROTTING WOOD OR ORGANIC MATTER THAT MIGHT ATTRACT INSECTS).
   THE CABLES SHALL BE COVERED WITH "CLEAN FILL" SAND OR SOFT EARTH, FREE FROM STONES, ROCKS OR OTHER MATERIAL THAT MAY DAMAGE THE CABLE DURING BACKFILL.
5. THE CABLES CROSS-SECTION AND THE NUMBER SHOWN IS ONLY AN EXAMPLE. ALL CABLES SHALL BE IN ACCORDANCE WITH STANDARDS AND SHALL BE SIZED ACCORDING TO USE AND TYPE OF INSTALLATION.

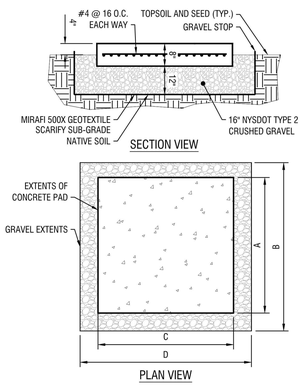
- UNTREATED NATIVE SOIL
- CLEAN, DRY BACKFILL CUSHION
- EARTH UNDISTURBED

NOTES:

1. CONDUCTORS TO BE 1000V RATED FOR DIRECT BURIIAL. MEDIUM VOLTAGE CONDUCTORS FROM PS1 TO BE RATED FOR CLASS 35KV, AND MEDIUM VOLTAGE CONDUCTORS FROM PS2 TO BE RATED FOR CLASS 15KV.
2. CONDUCTORS OF THE SAME CIRCUIT TO BE NEXT TO EACH OTHER; COMBINER CIRCUITS TO BE SPACED 4.5" FROM EACH OTHER UNLESS POSTED OTHERWISE (HORIZONTAL/VERTICAL DIRECTIONS).
3. COMMUNICATIONS TO BE BURIED 1' AWAY FROM ALL POWER CONDUCTORS. USE DIRECT BURY RATED FIBER CABLE.
4. 3" OR 4" PVC SCH80 JUMP-CONDUIT SHALL BE UTILIZED FOR ROW-TO-ROW STRING CIRCUITS WIRING.
5. POWER SUPPLY CABLES TO ARC FAULT CIRCUIT INTERRUPTION CIRCUITS SHALL BE LOCATED AT A MINIMUM 1' FROM DC CIRCUITS.
6. CONTRACTOR SHALL SIZE THE ROW-TO-ROW JUMPER CONDUIT FOR THE CONDUCTORS USED, WITH PVC SCHEDULE 80. A TOTAL OF 60 #10 HOMERUN CABLES CAN FIT INTO A STANDARD 4" PVC CONDUIT. CONTACT THE ENGINEER IF ADDITIONAL GUIDANCE IS REQUIRED.

5 C501 TYPICAL TRENCH DETAILS

N.T.S.



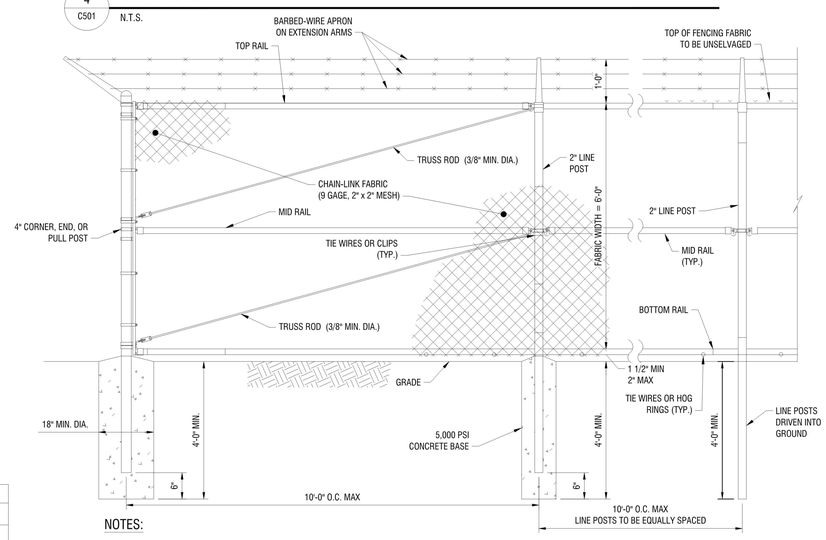
EQUIPMENT PAD DIMENSIONS				
EQUIPMENT	DIM. A	DIM. B	DIM. C	DIM. D
TRANSFORMER AND MAIN SWITCH GEAR	34'	36'	14'	16'
BATTERY CONTAINERS	37'	39'	10'	12'

EQUIPMENT PAD NOTES:

1. ALL ELECTRICAL EQUIPMENT IS TO BE SITUATED ON A CONCRETE PAD AS SHOWN ON THE SITE PLANS.
2. CONCRETE STRENGTH: CLASS B CONCRETE. CONTRACTOR SHALL ALLOW 3 DAYS CURING TIME PRIOR TO INSTALLATION OF EQUIPMENT ON CONCRETE PAD.
3. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A185, Fy=65,000 PSI, AND SHALL BE HOT-DIPPED GALVANIZED OR EPOXY COATED AFTER FABRICATION TO PRODUCE A CLASS 2 COATING EQUAL TO THAT SPECIFIED IN ASTM A641, TABLE 1.
4. ANCHOR BOLTS SHALL BE DRILLED AND SET IN FIELD AFTER INSTALLATION ON FOOTING AS PER MANUFACTURER'S SPECIFICATIONS.
5. LOCATION OF ALL ELECTRICAL EQUIPMENT AND CONCRETE PADS SHALL BE APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
6. COMPACTED STONE SHALL BE NYSDOT TYPE 2 CRUSHED GRAVEL OR APPROVED EQUAL BY THE ENGINEER OF RECORD.
7. ANCHOR BOLTS SHALL BE $\frac{3}{4}$" DIA. HILTI HSE ADHESIVE ANCHOR RODS WITH 4-1/2" EMBEDMENT DEPTH OR APPROVED EQUAL.
8. REINFORCEMENT BARS SHALL CONFORM TO ASTM A615, GRADE 60.
9. VERIFY ALL DIMENSIONS WITH THOSE ON EQUIPMENT SKID SHOP DRAWINGS AND ADJUST ACCORDINGLY. LOCATE CHASES AND CONDUIT STUB-UPS PER EQUIPMENT SKID SHOP DRAWINGS.

4 C501 CONCRETE PAD

N.T.S.



NOTES:

1. TIES SHALL BE HOT-DIP GALVANIZED, 90 OZ. ZINC PER SQ. FT.
2. ALL POSTS, RAILS, AND APPURTENANCES SHALL BE HOT-DIP GALVANIZED.

2 C501 6' TALL CHAIN LINK FENCE

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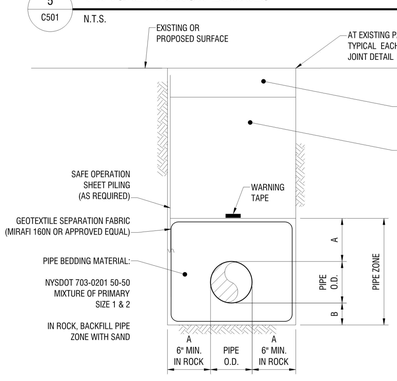


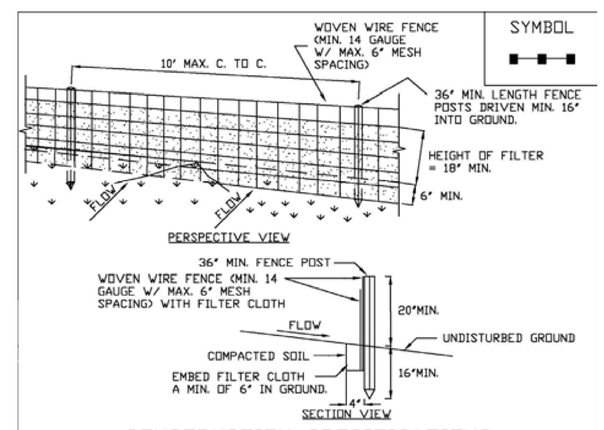
NOTE:

BEDDING AND BACKFILL MATERIAL INSTALLED & COMPACTED IN MAXIMUM 6" LIFTS.

PIPE DIA.	DIM. A	DIM. B
UP TO 18"	1'-0" (MIN.)	6"
19" TO 36"	1'-6" (MIN.)	9"
OVER 36"	2'-0" (MIN.)	12"

3 C501 STORM SEWER TRENCH AND PIPE BEDDING

N.T.S.



CONSTRUCTION SPECIFICATIONS

1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. POSTS SHALL BE STEEL EITHER 'T' OR 'U' TYPE OR HARDWOOD.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. FENCE SHALL BE WOVEN WIRE, 6" MAXIMUM MESH OPENING.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVER-LAPPED BY SIX INCHES AND FOLDED. FILTER CLOTH SHALL BE EITHER FILTER X, MIRAFI 100X, STABILINKA T140N, OR APPROVED EQUIVALENT.
4. PREFABRICATED UNITS SHALL MEET THE MINIMUM REQUIREMENTS SHOWN.
5. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ADAPTED FROM DETAILS PROVIDED BY: USDA - NRCS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION, NEW YORK STATE SOIL & WATER CONSERVATION COMMITTEE

REINFORCED SILT FENCE

1 C501 REINFORCED SILT FENCE

NYS STANDARD SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL FIGURE 5.30

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SOURCE RENEWABLES, LLC

41 WEST ELM ST, SUITE C
GREENWICH, CT 06830

Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:

REVISIONS

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

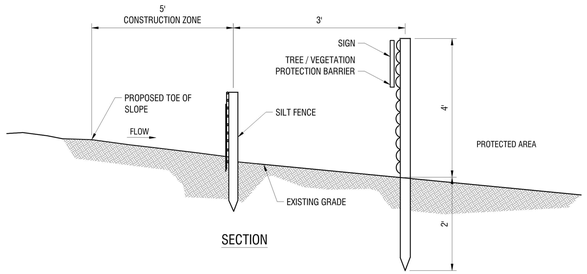
DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

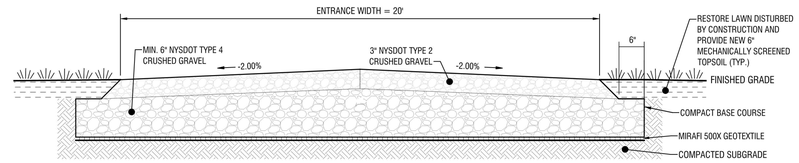
C501

Date & Time: 3/11/2020 11:29 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-500 CONSTRUCTION DETAILS.dwg



SECTION

WARNING SIGN



3 / C502 GRAVEL DRIVEWAY ENTRANCE SECTION

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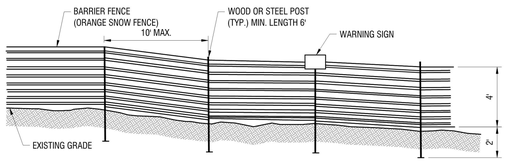
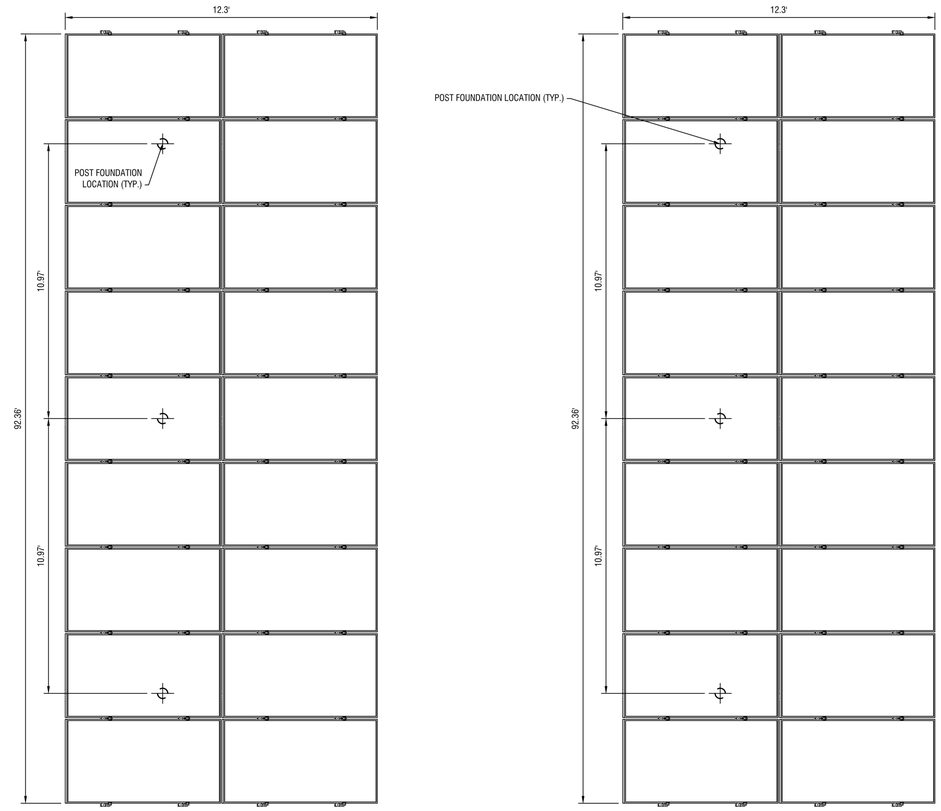


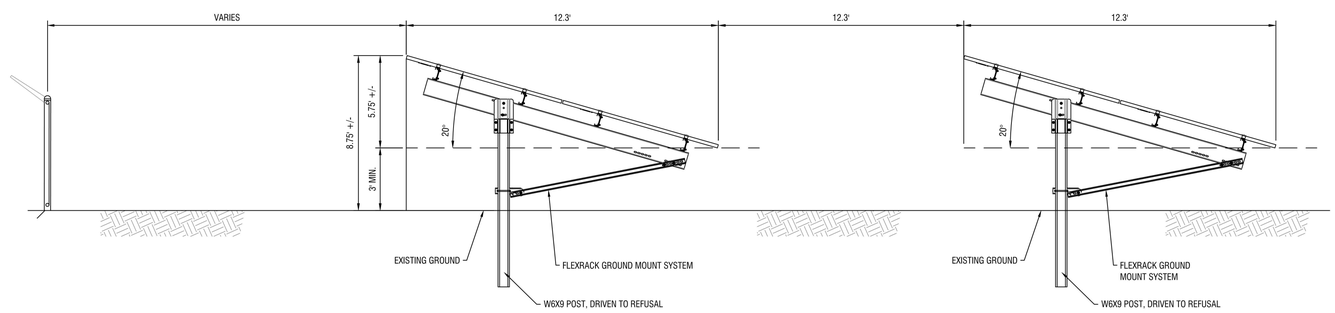
ELEVATION

4 / C502 TREE/VEGETATION PROTECTION BARRIER

N.T.S.



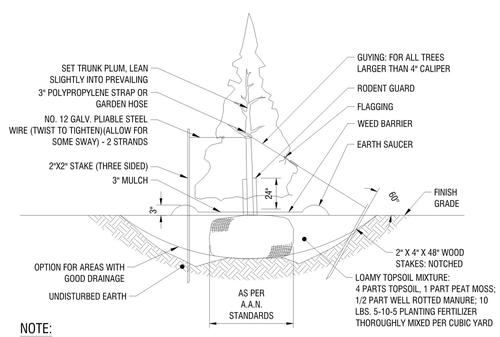
PLAN VIEW



SIDE VIEW

1 / C502 TYPICAL SITE LAYOUT

N.T.S.



NOTE:

1. STAKING: FOR ALL TREES 4" CALIPER OR LESS. REMOVE STAKES ONE YEAR AFTER PLANTING.
2. USE 8' STAKES DRIVE 4' BELOW GROUND SURFACE.
3. GUYING: FOR ALL EVERGREEN TREES AND ALL TREES TALLER THAN 12'. USE SAME WIRE AS FOR STAKING. USE THREE PER TREE, EQUALLY SPACED. DO NOT TWIST WIRE TO TIGHTEN: USE 1/2"X6" TURNBUCKLE.
4. ROOT COLLAR TO BE SLIGHTLY ABOVE SURROUNDING GRADE.
5. MULCH SHALL BE 3" DOUBLE GROUND HARDWOOD BAR, COLOR DARK BROWN.
6. MULCH CAN NOT BE MORE THAN 1" THICK AT ROOT COLLAR EXTENDING OUT AT LEAST 6" FROM THE BARK, THEN IT CAN BE THICKENED.
7. MULCH IS TO BE PLACED 3 TO 6 INCHES AWAY FROM THE TRUNK.
8. KRAFT WRAP PAPER SHALL NOT BE PERMITTED FOR RODENT GUARD.

2 / C502 TREE PLANTING

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TAFT ROAD SOLAR ARRAY

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Date & Time: 3/11/2020 11:29 AM, By: Petraichuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C-300\C-500 CONSTRUCTION DETAILS.dwg

GENERAL NOTES:

1. USE OF THIS DETAIL/CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING EQUIPMENT REPAIR OR MAINTENANCE, ETC.)
2. LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
3. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY, FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
4. REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE INSITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
5. GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
6. REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
7. ROADWAY WIDTH TO BE DETERMINED BY CLIENT.
8. THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 5%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
9. LIMITED USE PERVIOUS ACCESS ROAD IS NOT INTENDED TO BE UTILIZED FOR CONSTRUCTION WHICH MAY SUBJECT THE ACCESS TO SEDIMENT TRACKING. THIS SPECIFICATION IS TO BE DEVELOPED FOR POST-CONSTRUCTION USE, SOIL RESTORATION PRACTICES MAY BE APPLICABLE TO RESTORE CONSTRUCTION RELATED COMPACTION TO PRE-EXISTING CONDITIONS AND SHOULD BE VERIFIED BY SOIL PENETROMETER READINGS. THE PENETROMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION, EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
10. TO ENSURE THAT SOIL IS NOT TRACKED ONTO THE LIMITED USE PERVIOUS ACCESS ROAD, IT SHALL NOT BE USED BY CONSTRUCTION VEHICLES TRANSPORTING SOIL, FILL MATERIAL, ETC. IF THE LIMITED USE PERVIOUS ACCESS IS COMPLETED DURING INITIAL PHASES OF CONSTRUCTION, A STANDARD NEW YOK STATE STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES AND EQUIPMENT PRIOR TO ENTERING THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON, OR OFF SITE. MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STONE.
11. THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS SUBJECT TO RUNOFF ONTO THE PERVIOUS ACCESS HAVE ACHIEVED FINAL STABILIZATION.
12. PROJECTS SHOULD AVOID INSTALLATION OF THE LIMITED USE PERVIOUS ACCESS ROAD IN POORLY DRAINED AREAS, HOWEVER IF NO ALTERNATIVE LOCATION IS AVAILABLE, THE PROJECT SHALL UTILIZE WOVEN GEOTEXTILE MATERIAL AS DETAILED IN FOLLOWING NOTES.
13. THE DRAINAGE DITCH IS OFFERED IN THE DETAIL FOR CIRCUMSTANCES WHEN CONCENTRATED FLOW COULD NOT BE AVOIDED. THE INTENTION OF THIS DESIGN IS TO MINIMIZE ALTERATIONS TO HYDROLOGY, HOWEVER WHEN DEALING WITH 5%-15% GRADES NOT PARALLEL TO THE CONTOUR, A ROADSIDE DITCH MAY BE REQUIRED. THE NYS STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED WATERWAYS AND VEGETATED WATERWAYS ARE APPLICABLE FOR SIZING AND STABILIZATION. DIMENSIONS FOR THE GRASSED WATERWAY SPECIFICATION WOULD BE DESIGNED FOR PROJECT SPECIFIC HYDROLOGIC RUNOFF CALCULATIONS, AND A SEPARATE DETAIL FOR THE SPECIFIC GRASSED WATERWAY WOULD BE INCLUDED IN THIS PRACTICE. RUNOFF DISCHARGES WILL BE SUBJECT TO THE OUTLET REQUIREMENTS OF THE REFERENCED STANDARD. INCREASED POST-DEVELOPMENT RUNOFF FROM THE ASSOCIATED ROADSIDE DITCH MAY REQUIRE ADDITIONAL PRACTICES TO ATTENUATE RUNOFF TO PRE-DEVELOPMENT CONDITIONS.
14. IF A ROADSIDE DITCH IS NOT UTILIZED TO CAPTURE RUNOFF FROM THE ACCESS ROAD, THE PERVIOUS ACCESS ROAD WILL HAVE A WELL-ESTABLISHED PERENNIAL VEGETATIVE COVER, WHICH SHALL CONSIST OF UNIFORM VEGETATION (I.E. BUFFER), 20 FEET WIDE AND PARALLEL TO THE DOWN GRADIENT SIDE OF THE ACCESS ROAD. POST-CONSTRUCTION OPERATION AND MAINTENANCE PRACTICES WILL MAINTAIN THIS VEGETATIVE COVER TO ENSURE FINAL STABILIZATION FOR THE LIFE OF THE ACCESS ROAD.
15. THE DESIGN PROFESSIONAL MUST ACCOUNT FOR THE LIMITED USE PERVIOUS ACCESS ROAD IN THEIR SITE ASSESSMENT/HYDROLOGY ANALYSIS. IF THE HYDROLOGY ANALYSIS SHOWS THAT THE HYDROLOGY HAS BEEN ALTERED FROM PRE- TO POST-DEVELOPMENT CONDITIONS (SEE APPENDIX A OF GP-0-15-002 FOR THE DEFINITION OF "ALTER THE HYDROLOGY…"), THE DESIGN MUST INCLUDE THE NECESSARY DETENTION/RETENTION PRACTICES TO ATTENUATE THE RATES (10 AND 100 YEAR EVENTS) TO PRE-DEVELOPMENT CONDITIONS.

GEOGRID MATERIAL NOTES:

1. THE GEOGRID, OR COMPARABLE PRODUCT, IS INTENDED FOR USE FOR ALL CONDITIONS, IN ORDER TO ASSIST IN MATERIAL SEPARATION FROM NATIVE SOILS AND PRESERVE ACCESS LOADS.
2. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
3. GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
4. IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
5. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
6. LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.

BASIS OF DESIGN: TENCATE MIRAFI BXG110 GEOGRIDS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

GEOWEB MATERIAL NOTES:

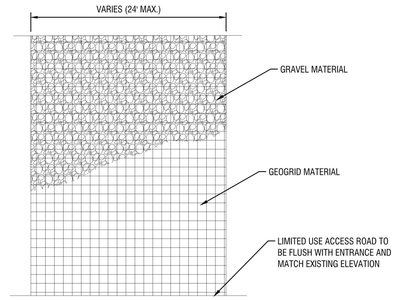
1. THE GEOWEB, OR COMPARABLE PRODUCT, IS SUGGESTED FOR USE ON ROAD PROFILES EXCEEDING 10%. THE GEOWEB PRODUCT IS INTENDED TO LIMIT SHIFTING STONE MATERIAL DURING USE.
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
3. WHERE REQUIRED, A NATIVE SOIL WEDGE SHALL BE PLACED TO ACCOMMODATE ROAD CROSS SLOPE OF 2%. NATIVE SOIL SHALL BE COMPACTED TO MATCH EXISTING SOIL CONDITIONS.
4. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4" CLEAN, DURABLE, SHARP-ANGLED CRUSHED STONE OF UNIFORM QUALITY, MEETING THE SPECIFICATIONS OF NYSDOT ITEM 703-02, SIZE DESIGNATION 3-5 OF TABLE 703-4. STONE MAY BE PLACED IN FRONT OF, AND SPREAD WITH, A TRACKED VEHICLE. GRAVEL SHALL NOT BE COMPACTED.
5. GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
6. LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE, SIZE 3A, MEETING NYSDOT ITEM 703-02 SPECIFICATIONS.
7. THE TOP EDGES OF ADJACENT CELL WALLS SHALL BE FLUSH WHEN CONNECTING. ALIGN THE I-SLOTS FOR INTERLEAF AND END TO END CONNECTIONS. THE GEOWEB PANELS SHALL BE CONNECTED WITH ATRA KEYS AT EACH INTERLEAD AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS.

BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLETON, WI; 800-548-3424 OR 920-738-1222; INFOR@PRESTOGEO.COM; WWW.PRESTOGEO.COM

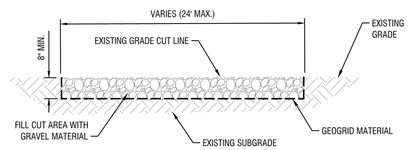
WOVEN GEOTEXTILE MATERIAL NOTES:

1. SPECIFIED GEOTEXTILE WILL ONLY BE UTILIZED IN PLACID SOILS. PLACID SOILS CONSIST OF POORLY DRAINED SOILS COMPOSED OF FINELY TEXTURED PARTICLES AND ARE PRONE TO RUTTING. PLACID SOILS ARE TYPICALLY PRESENT IN LOW-LYING AREAS WITH HYDROLOGIC SOILS GROUP (HSG) OF C OR D, OR AS SPECIFIED FROM AN ENVIRONMENTAL SCIENTIST, SOIL SCIENTIST, OR GEOTECHNICAL DATA.
2. THE CONCERN FOR POTENTIAL REDUCTION OF NATIVE INFILTRATION RATES DUE TO THE GEOTEXTILE MATERIAL WOULD NOT BE A SIGNIFICANT CONCERN IN POORLY DRAINED SOILS WHERE SEGREGATION OF PERVIOUS STONE AND NATIVE MATERIALS IS CRUCIAL FOR LONG TERM OPERATION AND MAINTENANCE.

BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA; 800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM



PLAN



SECTION

2 C503 LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES

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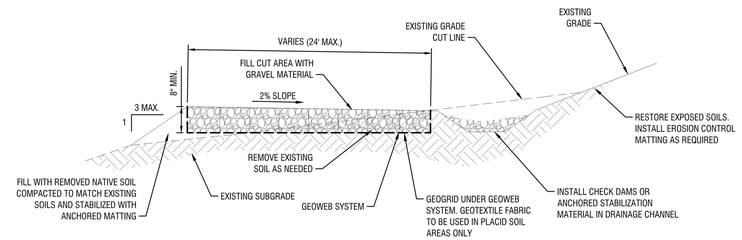

SECTION

NOTE:

1. THE ROADSIDE DITCH SHALL BE DESIGNED IN ACCORDANCE WITH THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROLS FOR GRASSED AND VEGETATED WATERWAYS. ADDITIONAL DETAILS WILL BE PROVIDED SPECIFIC TO THE SITE DESIGN.

3 C503 LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES WITH DITCH

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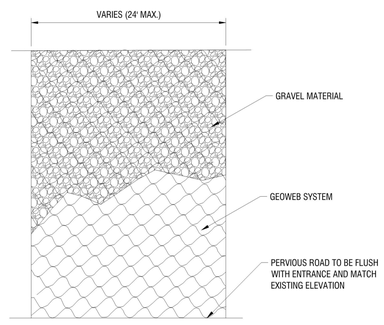

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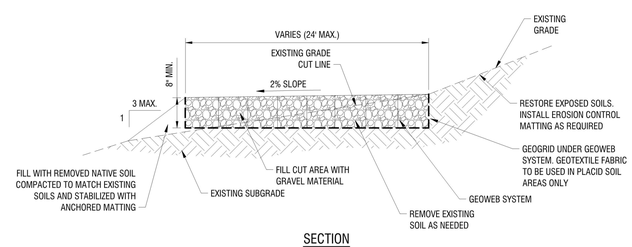

SECTION

1 C503 LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES

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GREENWICH, CT 06830

Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

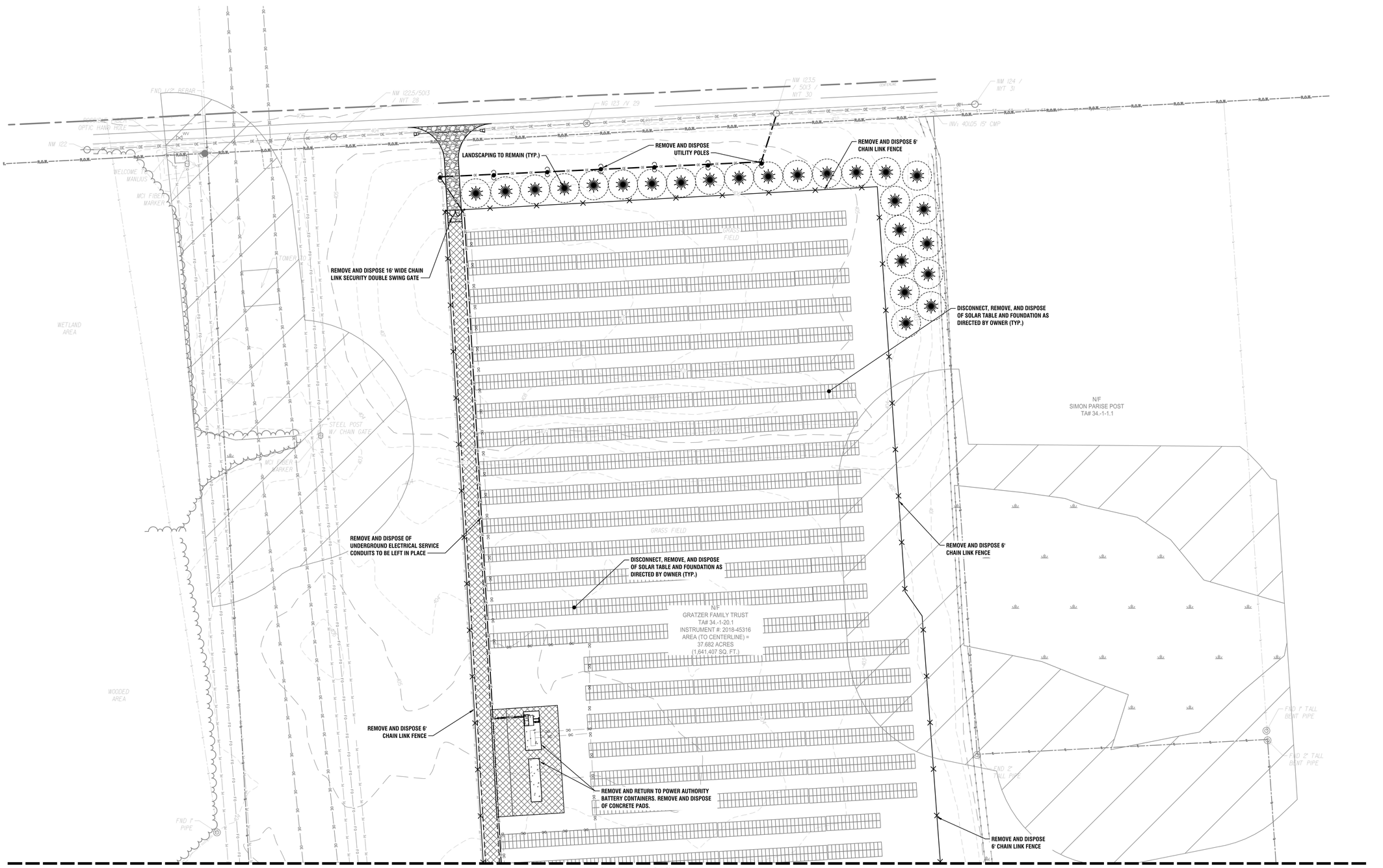
DRAWING NAME:

CONSTRUCTION DETAILS

DRAWING NUMBER:

C503

Date & Time: 3/11/2020 11:29 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C-200\C-500 CONSTRUCTION DETAILS.dwg



1 C601 DECOMMISSIONING PLAN - PHASE I

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

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075470
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TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

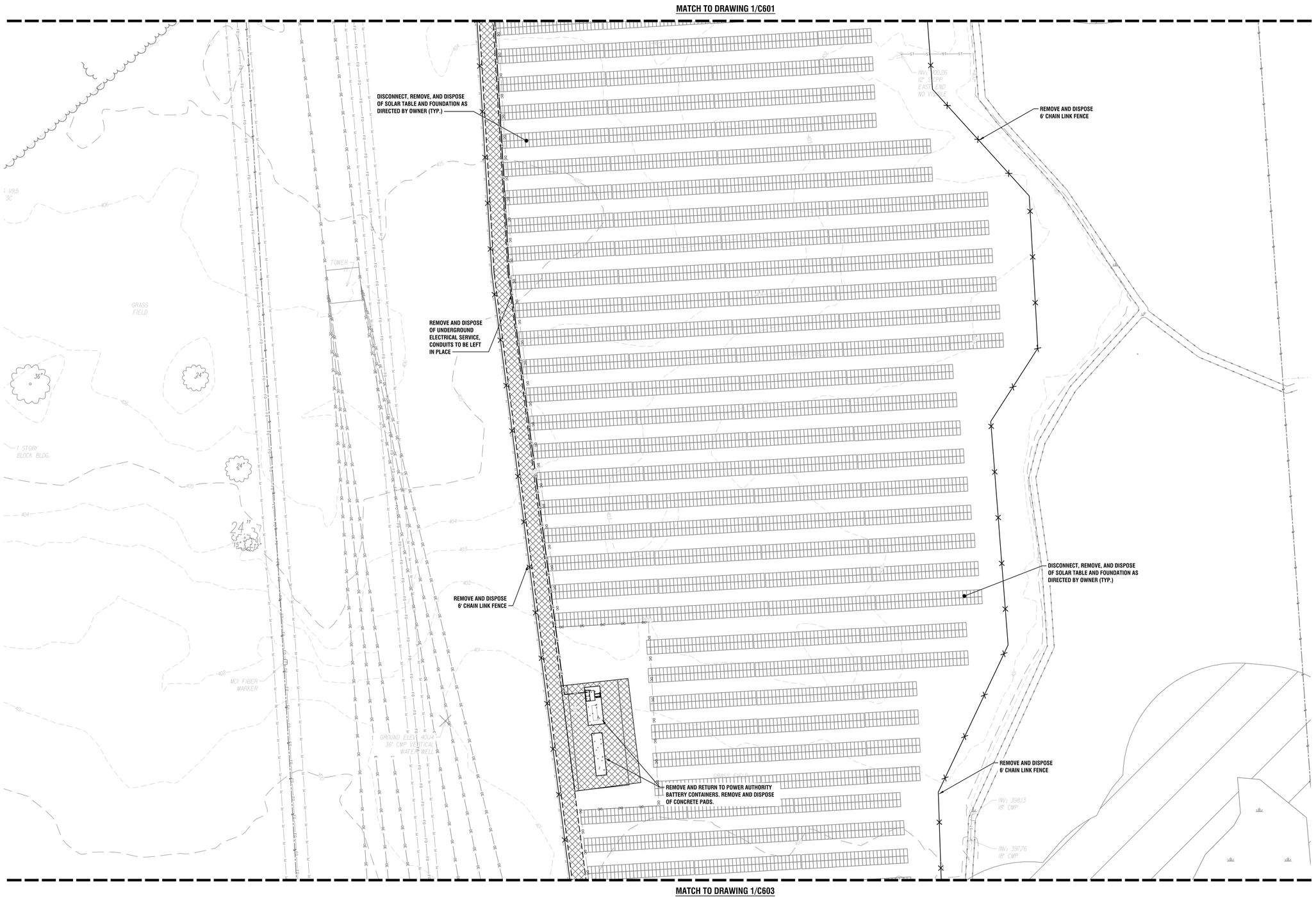
DRAWING NAME:

DECOMMISSIONING PLAN - PHASE I (SHEET 1 OF 3)

DRAWING NUMBER:

C601

Date & Time: 3/11/2020 11:29 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-601 Decommissioning.dwg



1 / C602 DECOMMISSIONING PLAN - PHASE I

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'
1" = 40'

Date & Time: 3/11/2020 11:30 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-601 Decommissioning.dwg

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TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

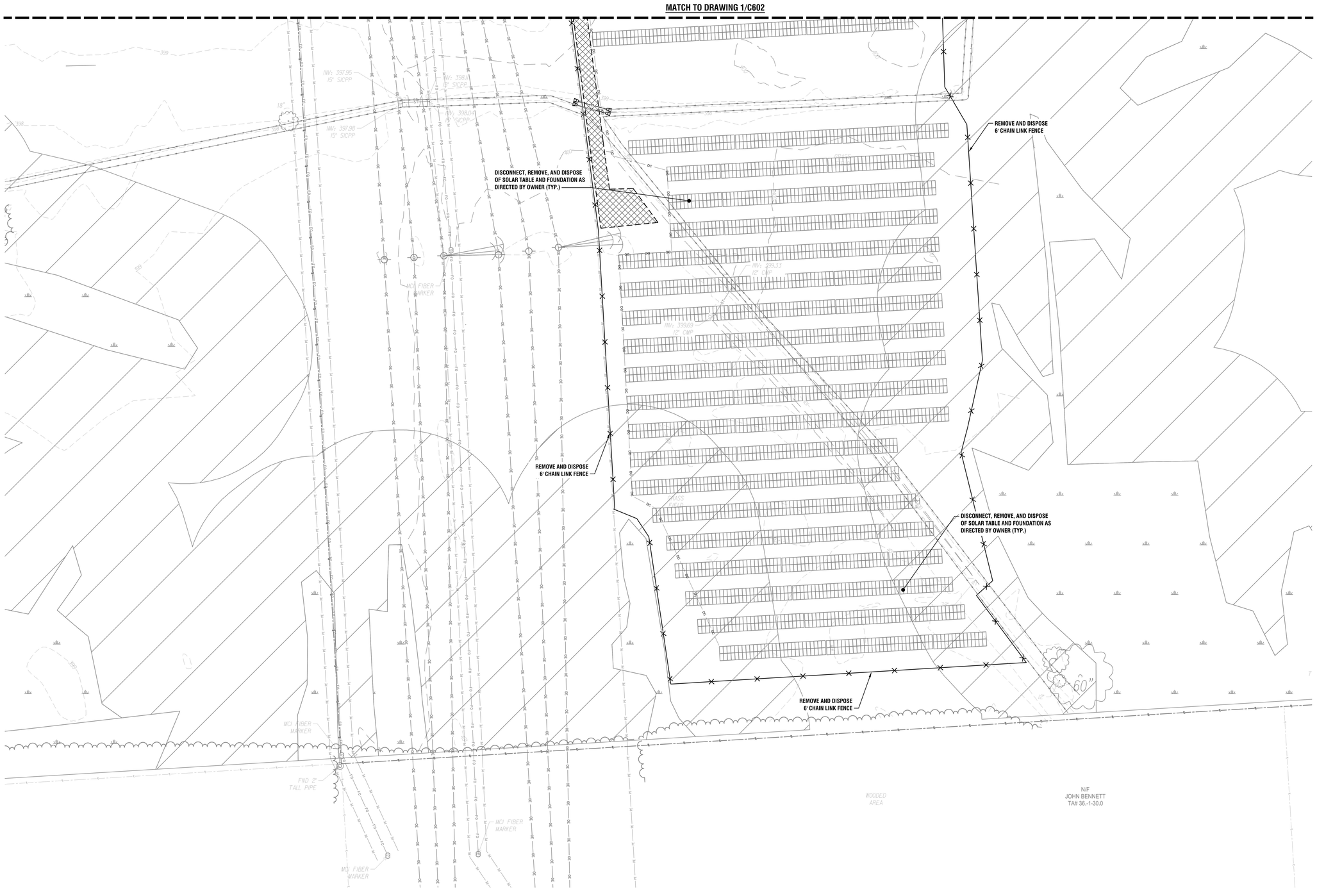
DATE: MARCH 2020

DRAWING NAME:

DECOMMISSIONING PLAN - PHASE I (SHEET 2 OF 3)

DRAWING NUMBER:

C602



1 C603 DECOMMISSIONING PLAN - PHASE I

SCALE: 1" = 40'

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

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TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

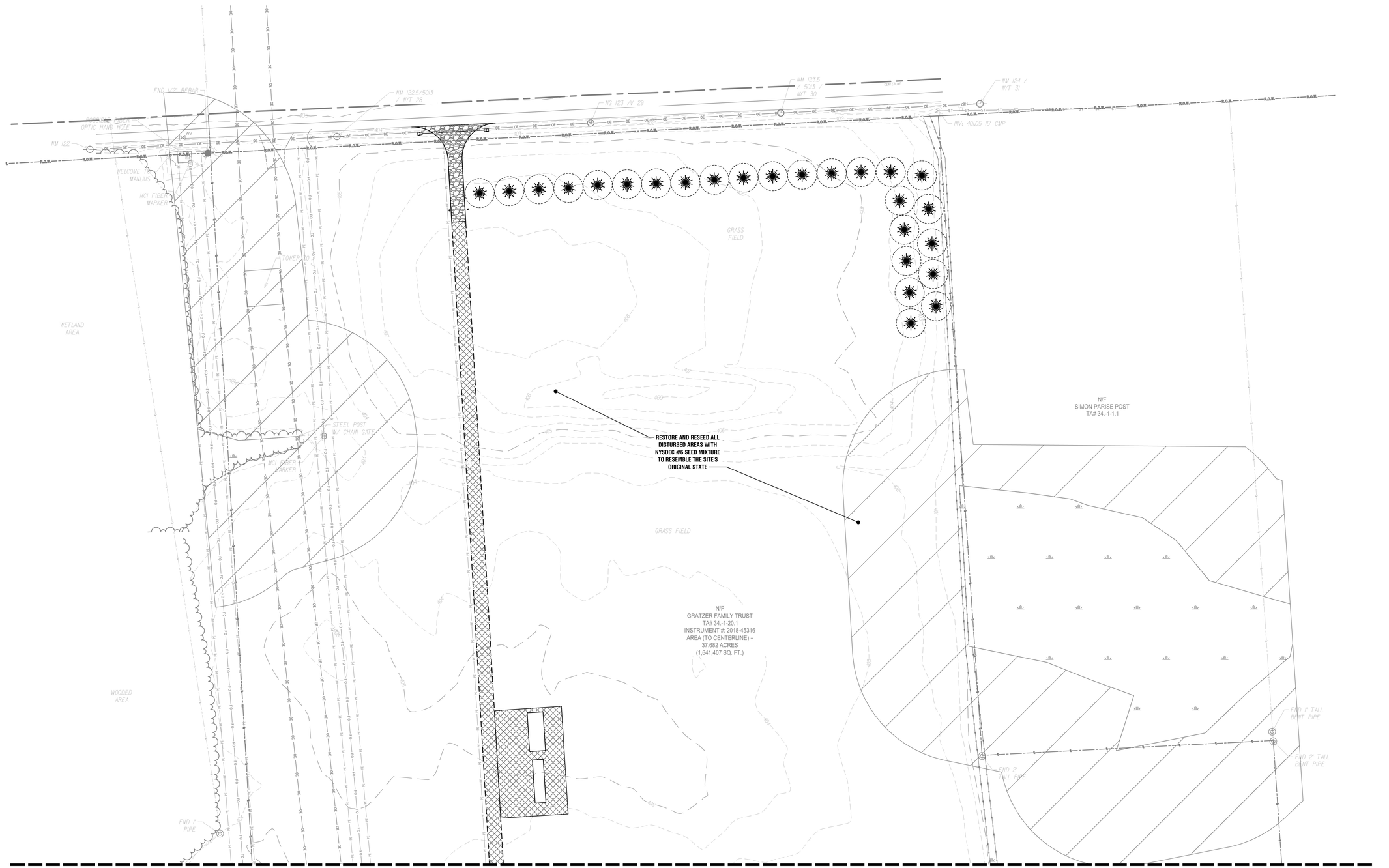
DRAWING NAME:

DECOMMISSIONING PLAN - PHASE I (SHEET 3 OF 3)

DRAWING NUMBER:

C603

Date & Time: 3/11/2020 11:30 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-601 Decommissioning.dwg



1 C604 DECOMMISSIONING PLAN - PHASE II

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:30 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-601 Decommissioning.dwg

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Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:

REVISIONS

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

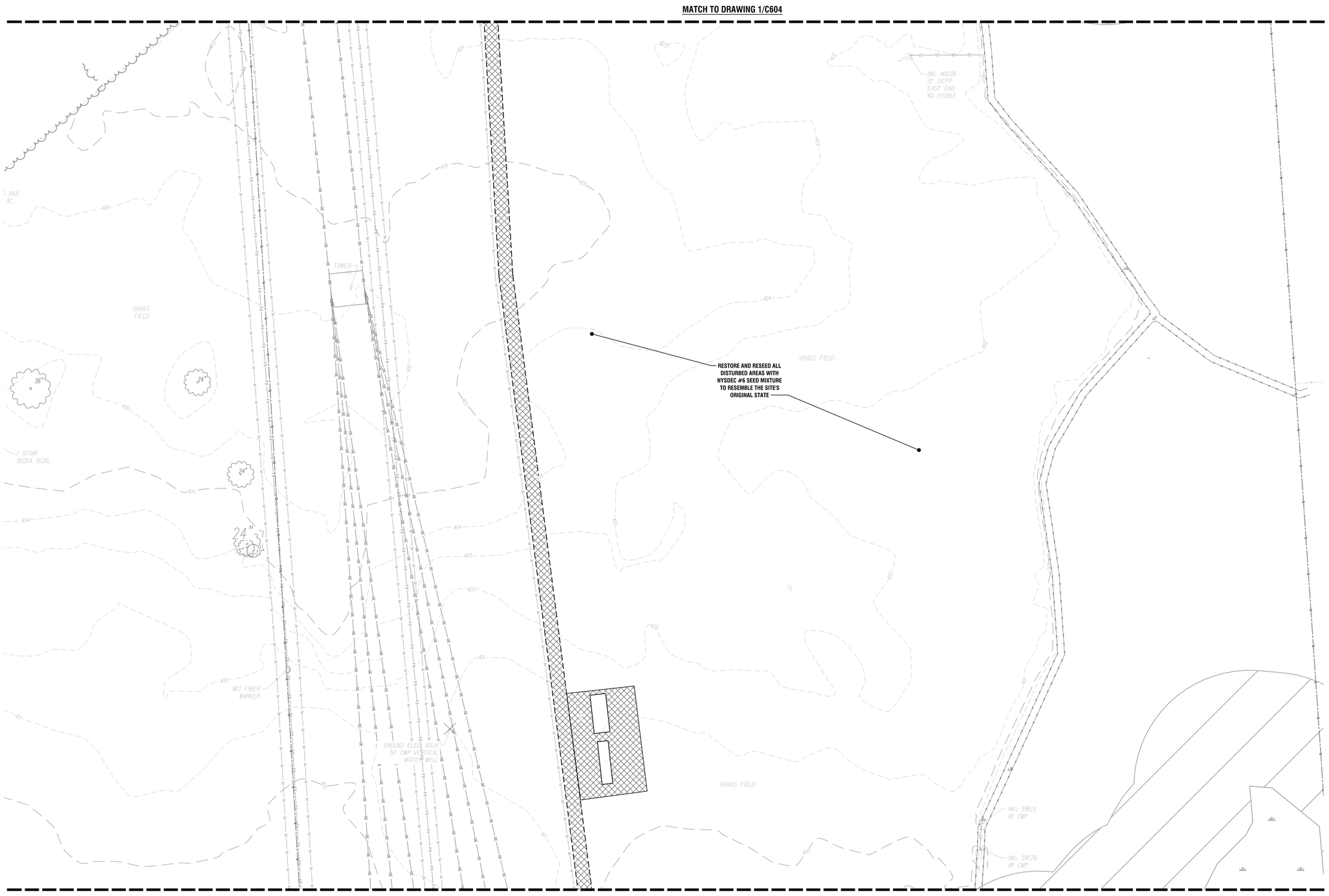
DATE: MARCH 2020

DRAWING NAME:

DECOMMISSIONING PLAN - PHASE II (SHEET 1 OF 3)

DRAWING NUMBER:

C604



1 C605 DECOMMISSIONING PLAN - PHASE II
SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'
1" = 40'

Date & Time: 3/11/2020 11:30 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-601 Decommissioning.dwg

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Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

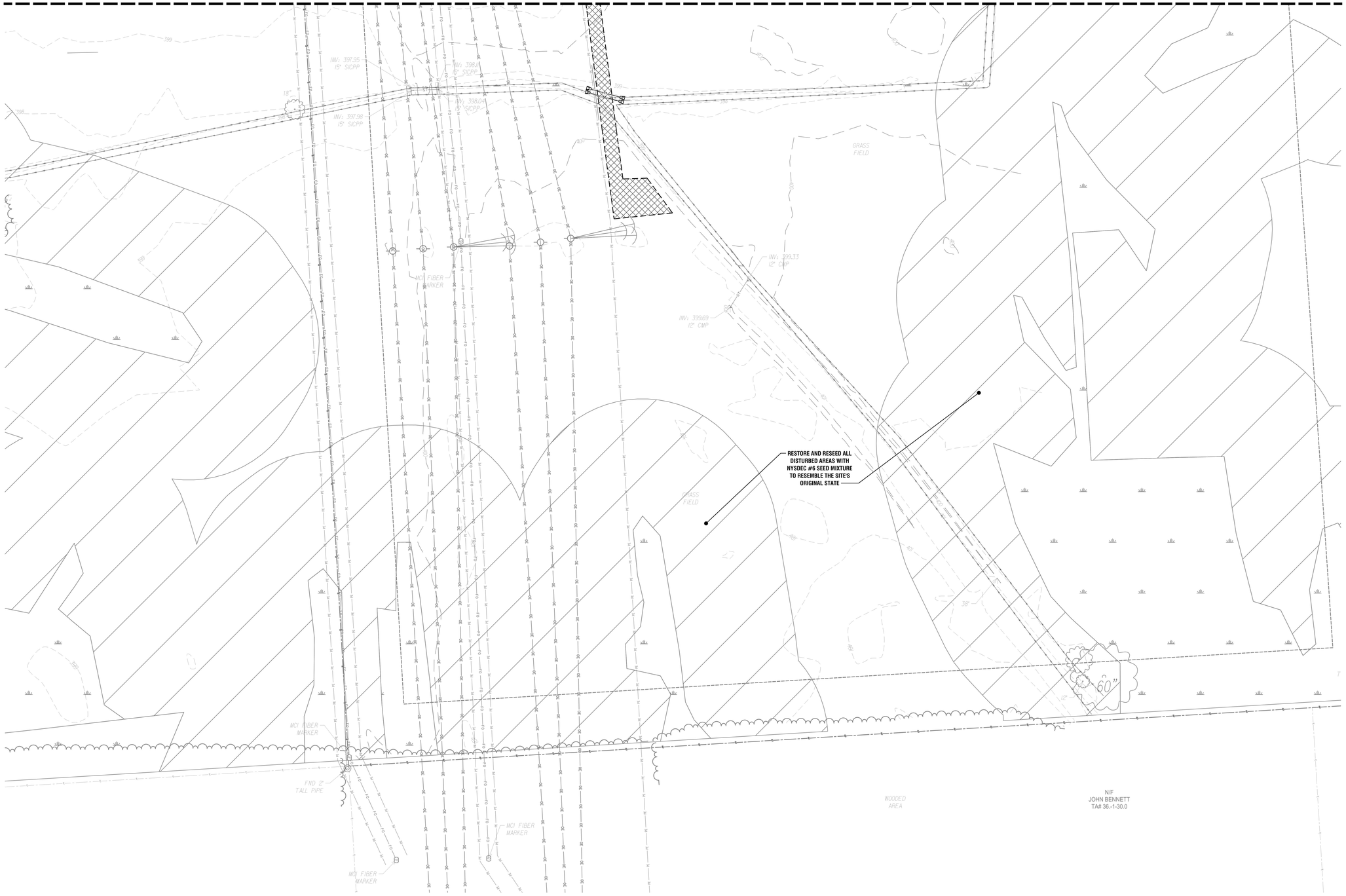
DRAWING NAME:

DECOMMISSIONING PLAN - PHASE II (SHEET 2 OF 3)

DRAWING NUMBER:

C605

MATCH TO DRAWING 1/C605



1 / C606 DECOMMISSIONING PLAN - PHASE II

SCALE: 1" = 40'

N

WETLAND

100' WETLAND BUFFER ZONE

20 0 20 40 60 80'

1" = 40'

Date & Time: 3/11/2020 11:30 AM By: Petranchuk, Tim
Path: J:\Source Renewables\2191567.04 - Taft Solar Development\Drawings\Civil\C3D\C-601 Decommissioning.dwg

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Source Renewables

TAFT ROAD SOLAR ARRAY

6966 EAST TAFT ROAD
EAST SYRACUSE, NY 13057

NO:	DATE:	DESCRIPTION:
REVISIONS		

PROJECT NUMBER: 2191567.04

DRAWN BY: TAP

REVIEWED BY: DJH

ISSUED FOR: SITE PLAN APPROVAL

DATE: MARCH 2020

DRAWING NAME:

DECOMMISSIONING PLAN - PHASE II (SHEET 3 OF 3)

DRAWING NUMBER:

C606

Expected Fee: _____

TOWN OF MANLIUS
PLANNING DEPARTMENT
INITIAL APPEARANCE APPLICATION

DATE: March 10, 2020

Name of Project: Taft Solar Development

Applicant must submit 12 copies of all site plans, surveys, and supporting data with the final application before a planning board meeting can be scheduled.

Location of Project: Taft Road, Town of Manlius, Onondaga County, New York 13057

Type of Project:

○ Division of Land ○ Subdivision ○ Accessory Use ○ Zone Change ● Site Review ○ Other _____

Developer: Taft Solar, LLC (Mr. Andrew Day) Phone: 203-542-5651

Address: 41 West Elm Street, Suite C, Greenwich, CT Zip: 06830

Tax Map Number(#)/s: Tax parcel # 034.-01-20.1

Present Zoning: Restricted Agriculture, with Technical Development Overlay (TD/O) on northern portion of the parcel Desired Zoning: Restricted Agriculture, with Technical Development Overlay (TD/O) on northern portion of the parcel

Total Acreage: 17.3 acres Total Number of Lots: 1

Property Owner/s: Gratzer Family Trust Phone: _____

Address: 6787 Taft Road, East Syracuse Zip: 13057

Tax Map#(s): 034.-01-20.1 Owner's Signature: Dragen Gatić (LaBella Associates)

Printed Name: Acting Agent for Source Renewables

Property Owner/s: _____ Phone: _____

Address: _____ Zip: _____

Tax Map#(s): _____ Owner's Signature: _____

Printed Name: _____

Use next page for additional known property owners' information

---

Planning Board Meeting Date Assignment: _____

Fee: _____ Paid: _____ Per: ○ Credit/Debit Card ○ Check ○ Cash

TOWN OF MANLIUS
SPECIAL PERMIT APPLICATION
(Original or Renewal)

DATE: 2/06/2020 Tax Map # 134.000-1-20.1

I Andrew Day of Taft Solar, LLC as applicant relative to property located at 6966 Taft Road, Manlius, NY hereby request/apply for issuance/renewal (CIRCLE ONE) of a **SPECIAL PERMIT** from the Town of Manlius Town Board as required by the Town of Manlius Code, submit the following application and documentary evidence and/or information, including comprising the Exhibits in support of this request and certify that it is correct, true and accurate to the best of my/our knowledge and after reasonable due diligence and investigation. I further knowledge and agree that should any such evidence or information be later determined as false or not credible in any material respect, any special permit issued/renewed based thereon may be determined by the Town Board as void from the start or revocable. LaBella Associates Acting Agent of Andrew Day (Source Renewables)

Applicant's Signature

A 1. Owner(s) of property: Gratzer Family Trust

A 2. Status (Owner, Lessee) of each applicant: Site will be purchased by Taft Solar, LLC subject to approvals

A 3. Present Zoning of Property: Restricted Agricultural

A.4. Present Use of Property (describe in detail as best as reasonably possible- add additional pages as needed): Vacant - meadow previously farmed

A5Describe property condition at present: Open meadow

B 1. Proposed use of property: Solar Array - Large Solar Photovoltaic Energy System (LSES) 3.4 MW - AC Capacity

B 2. Anticipated number of employees, guests, customers on property:

periodic maintenance

B 3. Hours of Proposed Operation: N/A

dd/2017

B 4. Anticipated Automobile Parking: N/A

B 5. Parking Area Buffer/Screening: N/A

B 6. Anticipated Vehicle Traffic Volume/Flow: NONE TO MINIMAL - EXCEPT DURING CONSTRUCTION

B 7. Proposed Site Lighting: NONE

B 8. Anticipated noise sources, known decibel levels: PV INVERTER - BELOW AMBIENT LEVELS DURING OPERATION

B 9. Landscape:

a) Existing landscaping: NONE

b) Proposed landscaping: LANDSCAPE BUFFER ALONG TAFT ROAD FRONTAGE

B 10. Proposed Signage: NONE

B 11. Level of municipal and other services required to support the proposed activity (i.e., water supply sanitary sewage facilities): NONE

B 12. Specific Requirements:

	Town Code (District) Requirement;	Proposal:
Parking Spaces	N/A	N/A
Lot Coverage	N/A	36.7%
Front Yard Setback	50'	65' +/-
Side Yard Setback	50'	51' +/-
Rear Yard Setback	50'	72' +/-
Maximum Height of Building	N/A	N/A

Onondaga County Planning Board

J.Ryan McMahon II
County Executive

RESOLUTION OF THE
ONONDAGA COUNTY PLANNING BOARD

Meeting Date: March 18, 2020
OCPB Case # Z-20-86

WHEREAS, the Onondaga County Planning Board, pursuant to General Municipal Law, Section 239 l, m and n, has considered and reviewed the referral for a SPECIAL PERMIT from the Town of Manlius Planning Board at the request of Taft Solar, LLC for the property located at East Taft Road; and

WHEREAS, General Municipal Law Section 239-m allows the County Planning Board to review issuance of special permits and the site is located within 500 feet of East Taft Road (Route 18), a county highway, and the municipal boundaries between the Towns of Manlius, Cicero and DeWitt; and

WHEREAS, the applicant is proposing construction of a 3.45 MW-AC solar farm on 17.3 acres of a 37.682-acre parcel in a Restricted Agricultural (R-A) zoning district; and

WHEREAS, the site is located in a rural area east of I-481 with surrounding residential land uses and large tracts of agricultural lands and wooded areas; aerial imagery shows the site has frontage on East Taft Road, a county road that also marks the boundary between the Towns of Manlius, DeWitt, and Cicero in this location, and contains vacant, undeveloped land; per aerial imagery, there are existing transmission towers and overhead utility lines along the western lot line, which are served by an existing gravel access road onto East Taft Road; per the local application, the site will be purchased by the applicant subject to approvals for the project; and

WHEREAS, the submitted application and plan indicate the solar farm will include installation of 263 solar tables with a total of 13,522 solar panels, each standing 9' in height, with portions of the solar arrays occurring on either side of a drainage channel on the southern half of the site; the solar arrays will be enclosed by a 6' high chain link fence with 3 strands of barbed wire affixed to the top; there will be two new equipment pads within the fence enclosure, each containing an inverter and batter storage; the plan shows a row of new landscaping at the front of the site to screen the view from East Taft Road; and

WHEREAS, per the plan, the solar farm will be served by a new 12' wide gravel access roadway onto East Taft Road; the proposed road requires two new SICPP culverts, one 18" at the front of the site and one 24" to cross the drainage channel; ADVISORY NOTES: the proposed driveway onto East Taft Road requires highway access and work permits from the Onondaga County Department of Transportation and will be subject to the availability of sight distance; all existing or proposed driveways on a County road must meet Department requirements; and

WHEREAS, the project is intended for Community Solar purposes and the plan shows proposed utility poles and overhead electrical wiring at the front of the site to connect the solar farm to the existing utility grid; the submitted Letter of Intent dated February 6, 2020 indicates the application for interconnection to the utility grid will be submitted with formal plans; and

WHEREAS, per the submitted Environmental Assessment Form (EAF) dated February 6,

1100 Civic Center, 421 Montgomery Street, Syracuse, NY 13202 (315) 435-2611, Fax (315) 435-2439

E-mail Address: countyplanning@ongov.ne

2020, the applicant is seeking a PILOT agreement with the Onondaga County Industrial Development Agency (OCIDA) for the project; and

WHEREAS, per the EAF, 0.8 acres of the site will be disturbed by the proposed project; the EAF notes that maximum depth of ground disturbance will not exceed 4 feet and the helix screws (or H-piles) of the solar tables will be installed at a depth of approximately 8-10 feet;
ADVISORY NOTE: per the Onondaga County Department of Transportation, additional stormwater runoff into the county's drainage system is prohibited; and

WHEREAS, the site does not have existing drinking water or wastewater services and is located outside of the Onondaga County Sanitary District; no drinking water or wastewater services are proposed as part of the project; and

WHEREAS, the Letter of Intent indicates a wetland delineation was completed in July 2019 and is subject to final determination by the US Army Corps of Engineers (USACOE); a wetland report will be produced under separate submittal once a final determination is made by the USACOE; the delineated wetland boundaries is not shown on the project plans; however, the letter notes that a wetland permit will be required from the NYS Department of Environmental Conservation and obtained for installation of the solar array within the 100' wetland buffer, and a USACOE permit will be required and obtained for the culvert installation within the existing drainage ditch; and

WHEREAS, the EAF notes that NYSDEC Spill #0702926 is identified in the area under the power lines located on the northern portion of the site; the NYSDEC Spill listing identifies this as a hydraulic oil spill to the soil, which occurred in 2007 and has since been closed; and

WHEREAS, the site may contain the Indiana bat, or its associated habitat, which has been listed by the state or federal government as a threatened or endangered animal species (per EAF Mapper); impacts to bat species are often associated with tree clearing and from the plans it appears that no trees will be removed as part of the proposed project; and

WHEREAS, the site or a portion of it is located in or adjacent to an area designated as sensitive for archaeological sites on the NYS Historic Preservation Office archaeological site inventory (per EAF Mapper); the referral materials includes a letter from the NYS Office of Parks, Recreation and Historic Preservation (OPRHP), dated February 5, 2020, that indicates the office reviewed the project and determined that no properties, including archaeological and/or historic resources, will be impacted by the project; and

WHEREAS, ADVISORY NOTE: per GML § 239-nn, the legislative body or other authorized body having jurisdiction in a municipality shall give notice to an adjacent municipality when a hearing is held by such body relating to a subdivision, site plan, special use permit, or a use variance on property that is within five hundred feet of an adjacent municipality; such notice shall be given by mail or electronic transmission to the clerk of the adjacent municipality at least ten days prior to any such hearing; and

NOW THEREFORE BE IT RESOLVED, that the Onondaga County Planning Board recommends the following MODIFICATION(S) to the proposed action prior to local board approval of the proposed action:

The applicant must contact the Onondaga County Department of Transportation to coordinate requirements for the proposed driveway on East Taft Road, in order

to satisfy commercial driveway standards, which will require paving the portion of the driveway in the right-of-way and aligning the driveway with the existing driveway on the north side of East Taft Road. To further meet Department requirements, the applicant must contact the Department to discuss any required drainage data for the proposed project. The municipality must ensure any mitigation as may be determined by the Department is reflected on the project plans prior to, or as a condition of, municipal approval.

The Board also offers the following comments:

1. Additional landscape screening is encouraged to buffer the solar farm from the adjacent VFW property.

2. The applicant and Town are encouraged to further minimize encroachment into wetland areas, and/or provide high-quality mitigation to preserve these important and sensitive environmental areas to the extent possible. Best practices to consider related to wetland and habitat protection may include avoiding soil compaction during construction, avoiding drilled foundations, restoring or improving adjacent wetlands, buffering stream channels, planting of beneficial and diverse native species and pollinators and removing invasive species, and allowing small openings in fencing to allow for small wildlife movement.

3. For more information regarding the management of Battery Energy Solar System (BESS) development within solar projects, the Town is advised to coordinate with the CNY Regional Planning Development Board (RPDB) Energy Management office. The New York State Energy Research and Development Authority (NYSERDA) also offers a BESS model law, model permit, and full guidebook to help local governments manage such systems in their community.

4. The Town is advised to ensure battery storage systems meet applicable requirements for fire preventaion and safety and handling of potentially hazardous materials.

Daniel Cupoli, Chairman
Onondaga County Planning Board
Transmittal Date: 03-18-2020

1100 Civic Center, 421 Montgomery Street, Syracuse, NY 13202 (315) 435-2611, Fax (315) 435-2439

E-mail Address: countyplanning@ongov.ne

GML 239 Report of Final Action

NYS GML § 239-m.6. and n.6. require the referring body to file a report of the final action it has taken on a referred matter with the county planning agency within 30 days after the final action (separate from the minutes taken at the meeting). A referring body which acts contrary to a County Planning Board recommendation of MODIFICATION or DISAPPROVAL of a referred matter shall also set forth the reasons for the contrary action in such report.

This section to be completed by the Syracuse-Onondaga County Planning Agency

To: Onondaga County Planning Board **From:** Town of Manlius Planning Board

Fax: 435-2439 **Phone:** 435-2611

Re:

Applicant: Taft Solar, LLC
Address: at East Taft Road
Referral Type: SPECIAL PERMIT
OCPB Date: March 18, 2020
OCPB Action: Modification
OCPB Case #: Z-20-86

The local board took the following action regarding the above referenced referral (Check one box. If checking Other, please specify the final action taken. Use the space at the bottom of the report to identify reasons if acting contrary to the OCPB recommendation.):

☐ Approved the proposed action with regard to the OCPB's No Position or No Position with Comment.
☐ Approved the proposed action as modified by the OCPB.
☐ Approved the proposed action contrary to some of the modifications recommended by the OCPB.*
☐ Approved the proposed action contrary to all of the modifications recommended by the OCPB.*
☐ Approved the proposed action contrary to the disapproval recommended by the OCPB.*

☐ Disapproved the proposed action with regard to the OCPB's no position or no position with comment.
☐ Disapproved the proposed action with regard to the recommended modification(s) by the OCPB.
☐ Disapproved the proposed action as recommended and for reasons set forth by the OCPB.
☐ Disapproved the proposed action as recommended but for reasons other than those set forth by the OCPB. (Please list reasons below for local disapproval.)

☐ Other _____

Local Board Date: _____

*List reasons for acting contrary to the OCPB recommendation and include a copy of the local board resolution. Attach additional reasons on a separate sheet of paper as necessary.

_____
_____
_____
_____

Expected Fee: 300

TOWN OF MANLIUS
PLANNING DEPARTMENT
INITIAL APPEARANCE APPLICATION

RECEIVED
JUN 11 2020
By

DATE: 6/5/20

Name of Project: Everland Holding Subdivison

Applicant must submit 12 copies of all site plans, surveys, and supporting data with the final application before a planning board meeting can be scheduled.

Location of Project: 8490 Salt Springs Rd, Manlius NY

Type of Project:

○ Division of Land ☒ Subdivision ○ Accessory Use ○ Zone Change ○ Site Review ○ Other

Developer: Owner Phone: 315-729-7304

Address: 8490 Salt Springs Rd, Manlius NY Zip: 13104

Tax Map Number(#)/s: part of 100-000-0001-011-000

Present Zoning: RA Desired Zoning: same

Total Acreage: 100+/- acres Total Number of Lots: 2

Property Owner/s: Everland Holdings / Joyce Menikheim Phone: 315-729-7304

Address: 8490 Saltsprings Rd, Manlius NY Zip: 13104

Tax Map#(s): part of - 100-000-0001-011 Owner's Signature: Joyce E Menikheim

Printed Name: Joyce E Menikheim

Property Owner/s: Phone:

Address: Zip:

Tax Map#(s): Owner's Signature:

Printed Name:

Use next page for additional known property owners' information

Planning Board Meeting Date Assignment:

Fee: Paid: Per: ○ Credit/Debit Card ○ Check ○ Cash

Planning Board - Initial

617.20
Appendix B
Short Environmental Assessment Form

Instructions for Completing

Part 1 - Project Information. The applicant or project sponsor is responsible for the completion of Part 1. 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.

Complete all items in Part 1. You may also provide any additional information which you believe will be needed by or useful to the lead agency; attach additional pages as necessary to supplement any item.

Part 1 - Project and Sponsor Information

Name of Action or Project:
Everland Holdings Subdivison

Project Location (describe, and attach a location map):
8490 Salt Springs Rd, Manlius NY 13104

Brief Description of Proposed Action:
Dividing 15 acre house and barn section off of a 100 acre lot leaving a vacant land parcel of 85 +/- acres and 15 +/- acres with a house and barn.

Name of Applicant or Sponsor:
Everland Holdings/ Joyce Menikem

Telephone: 315-729-7304
E-Mail: Rwmenik@twcny.rr.com

Address:
8491 Cazenovia Rd

City/PO: Manlius
State: NY
Zip Code: 13104

	NO	YES
1. Does the proposed action only involve the legislative adoption of a plan, local law, ordinance, administrative rule, or regulation? If Yes, attach a narrative description of the intent of the proposed action and the environmental resources that may be affected in the municipality and proceed to Part 2. If no, continue to question 2.	☐	☐
2. Does the proposed action require a permit, approval or funding from any other governmental Agency? If Yes, list agency(s) name and permit or approval:	☐	☐

3.a. Total acreage of the site of the proposed action? 100 acres
b. Total acreage to be physically disturbed? 0 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 100 acres

4. Check all land uses that occur on, adjoining and near the proposed action.
☐ Urban ☐ Rural (non-agriculture) ☐ Industrial ☐ Commercial ☒ Residential (suburban)
☐ Forest ☒ Agriculture ☐ Aquatic ☐ Other (specify): _____
☐ Parkland

	NO	YES	N/A
5. Is the proposed action,			
a. A permitted use under the zoning regulations?	☐	☒	☐
b. Consistent with the adopted comprehensive plan?	☐	☒	☐

	NO	YES
6. Is the proposed action consistent with the predominant character of the existing built or natural landscape?	☐	☒
7. Is the site of the proposed action located in, or does it adjoin, a state listed Critical Environmental Area? If Yes, identify: _____	☒	☐
8. a. Will the proposed action result in a substantial increase in traffic above present levels?	☒	☐
b. Are public transportation service(s) available at or near the site of the proposed action?	☒	☐
c. Are any pedestrian accommodations or bicycle routes available on or near site of the proposed action?	☒	☐
9. Does the proposed action meet or exceed the state energy code requirements? If the proposed action will exceed requirements, describe design features and technologies: NA	☐	☒
10. Will the proposed action connect to an existing public/private water supply? If No, describe method for providing potable water: existing well	☒	☒
11. Will the proposed action connect to existing wastewater utilities? If No, describe method for providing wastewater treatment: existing septic	☒	☒
12. a. Does the site contain a structure that is listed on either the State or National Register of Historic Places?	☒	☐
b. Is the proposed action located in an archeological sensitive area?	☐	☐
13. a. Does any portion of the site of the proposed action, or lands adjoining the proposed action, contain wetlands or other waterbodies regulated by a federal, state or local agency?	☐	☒
b. Would the proposed action physically alter, or encroach into, any existing wetland or waterbody? If Yes, identify the wetland or waterbody and extent of alterations in square feet or acres: small pond on the 85 acre section	☒	☐

14. Identify the typical habitat types that occur on, or are likely to be found on the project site. Check all that apply:
☐ Shoreline ☒ Forest ☒ Agricultural/grasslands ☐ Early mid-successional
☐ Wetland ☐ Urban ☐ Suburban

	NO	YES
15. Does the site of the proposed action contain any species of animal, or associated habitats, listed by the State or Federal government as threatened or endangered?	☒	☐
16. Is the project site located in the 100 year flood plain?	☒	☐
17. Will the proposed action create storm water discharge, either from point or non-point sources?	☒	☐
If Yes, a. Will storm water discharges flow to adjacent properties? ☒ NO ☐ YES		
b. Will storm water discharges be directed to established conveyance systems (runoff and storm drains)? ☐ NO ☐ YES		
If Yes, briefly describe:		

	NO	YES
18. Does the proposed action include construction or other activities that result in the impoundment of water or other liquids (e.g. retention pond, waste lagoon, dam)? If Yes, explain purpose and size:	☒	☐
19. Has the site of the proposed action or an adjoining property been the location of an active or closed solid waste management facility? If Yes, describe:	☒	☐
20. Has the site of the proposed action or an adjoining property been the subject of remediation (ongoing or completed) for hazardous waste? If Yes, describe:	☒	☐

I AFFIRM THAT THE INFORMATION PROVIDED ABOVE IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE

Applicant/sponsor name: Everland Holding Company by Joyce E Menikheim Date: 6/10/20

Signature: Joyce E Menikheim

STOP

Part 2 - Impact Assessment. The Lead Agency is responsible for the completion of Part 2. Answer all of the following questions in Part 2 using the information contained in Part 1 and other materials submitted by the project sponsor or otherwise available to the reviewer. When answering the questions the reviewer should be guided by the concept "Have my responses been reasonable considering the scale and context of the proposed action?"

	No, or small impact may occur	Moderate to large impact may occur
1. Will the proposed action create a material conflict with an adopted land use plan or zoning regulations?	☐	☐
2. Will the proposed action result in a change in the use or intensity of use of land?	☐	☐
3. Will the proposed action impair the character or quality of the existing community?	☐	☐
4. Will the proposed action have an impact on the environmental characteristics that caused the establishment of a Critical Environmental Area (CEA)?	☐	☐
5. Will the proposed action result in an adverse change in the existing level of traffic or affect existing infrastructure for mass transit, biking or walkway?	☐	☐
6. Will the proposed action cause an increase in the use of energy and it fails to incorporate reasonably available energy conservation or renewable energy opportunities?	☐	☐
7. Will the proposed action impact existing: a. public / private water supplies?	☐	☐
b. public / private wastewater treatment utilities?	☐	☐
8. Will the proposed action impair the character or quality of important historic, archaeological, architectural or aesthetic resources?	☐	☐
9. Will the proposed action result in an adverse change to natural resources (e.g., wetlands, waterbodies, groundwater, air quality, flora and fauna)?	☐	☐

	No, or small impact may occur	Moderate to large impact may occur
10. Will the proposed action result in an increase in the potential for erosion, flooding or drainage problems?	☐	☐
11. Will the proposed action create a hazard to environmental resources or human health?	☐	☐

Part 3 - Determination of significance. The Lead Agency is responsible for the completion of Part 3. For every question in Part 2 that was answered "moderate to large impact may occur", or if there is a need to explain why a particular element of the proposed action may or will not result in a significant adverse environmental impact, please complete Part 3. Part 3 should, in sufficient detail, identify the impact, including any measures or design elements that have been included by the project sponsor to avoid or reduce impacts. Part 3 should also explain how the lead agency determined that the impact may or will not be significant. Each potential impact should be assessed considering its setting, probability of occurring, duration, irreversibility, geographic scope and magnitude. Also consider the potential for short-term, long-term and cumulative impacts.

☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action may result in one or more potentially large or significant adverse impacts and an environmental impact statement is required.

☐ Check this box if you have determined, based on the information and analysis above, and any supporting documentation, that the proposed action will not result in any significant adverse environmental impacts.

Name of Lead Agency	Date
Print or Type Name of Responsible Officer in Lead Agency	Title of Responsible Officer
Signature of Responsible Officer in Lead Agency	Signature of Preparer (if different from Responsible Officer)

PRINT

TOWN OF MANLIUS

DISCLOSURE AFFIDAVIT

This affidavit is a part of and must be completed and attached to every application, petition, request submitted for a *site plan, variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license* or *permit.*

STATE OF NEW YORK)
) SS:
COUNTY OF ONONDAGA)

I. Jacqueline Jeski, being duly sworn, deposes and says that (s) he is:

Applicant
(applicant, petitioner, corporation officer, property owner, *etc.)*

II. That deponent has read and is familiar with the provisions of the General Municipal Law, Section 809 which states:

A. Every application, petition or request submitted for a site plan, variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit, pursuant to the provisions or any ordinance, local law, rule or regulation constituting the zoning and planning regulations of a municipality shall state the name, residence and the nature and extent of the interest of any state officer or any officer or employee of such municipality is a part, in the person, partnership or association making such application, petition or request (hereinafter called the applicant) to the extent known to such applicant.

B. For the purpose of this action an officer or employee shall be deemed to have an interest in the applicant when (s)he, his/her spouse, or their brothers, sisters, parents, children, grandchildren, or the spouse of any of them:

1) is the applicant, or
2) is an officer, director, partner or employee of the applicant, or
3) legally or beneficially owns or controls stock of a corporate applicant or is a member of a partnership or association applicant, or
4) is a party to an agreement with such an applicant, express or implied, whereby (s) he may receive any payment or other benefit, whether or not for services rendered, or contingent upon the favorable approval of such application, petition or request.

C. Ownership of less than five percent (5%) of the stock of a corporation whose stock is listed on the New York or American Stock Exchanges shall not constitute an interest for the purposes of this section.

D. A person who knowingly and intentionally violates this section shall be guilty of a misdemeanor.

III. That no Town of Manlius officer, employee or a relative of either, as defined in Section 809 General Municipal Law has any interest in this application.

-OR-

If a Town of Manlius officer, employee or relative of either as defined in Section 809 General Municipal law has any interest in this application, the full particulars are provided on an attached sheet.

Date: 6-10, 2020.

Joyce E Menikheim
(Print Name)

(Signature)

Everland Holding Company LLC
(Entity Name)

By (Officer) (Title)

(Mailing Address of Applicant)

(Telephone Number)

Date: _____, 20____.

(Print Name)

(Signature)

(Entity Name)

By (Officer) (Title)

(Mailing Address of Applicant)

(Telephone Number)

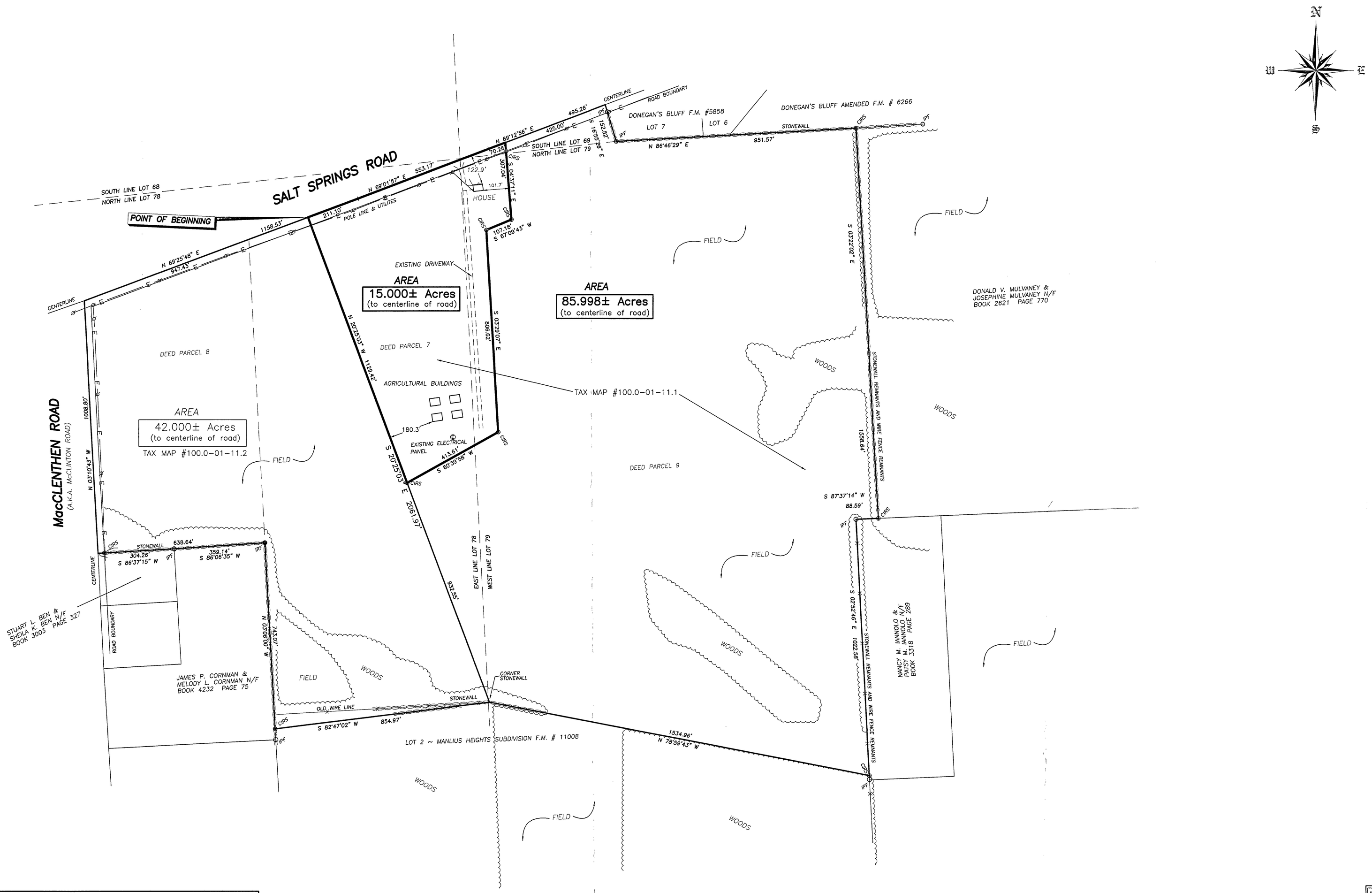
ACKNOWLEDGEMENTS

STATE OF NEW YORK)
) SS:
COUNTY OF ONONDAGA)

On this 10th day of June, in the year 2020, before me, the undersigned, a notary public in and for said state, personally appeared Joyce E Menikheim, and _____ personally known to me or proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within Petition and acknowledged to me the he/she/they executed the same in his/her/their capacity, and that by his/her/their signature(s) on the Petition, the individual or the persons upon behalf of which the individual acted executed the instrument.

Notary Public

Jacqueline A. Jeski
Notary Public • State of New York
Qualified in Madison County
Reg. #01JE6170578
My Commission Expires July 9, 2023



Only survey maps with the surveyor's embossed seal are genuine, true and correct copies of the surveyor's original work and opinion.
Unauthorized alteration or addition to a survey map bearing a licensed land surveyor's seal is a violation of sec. 7209, subsection 2, of the New York State Education Law.
The certification is limited to the persons for whom the survey map is prepared and on his behalf to the title company, governmental agency, and the lending institution listed below, and to other parties designated to additional institutions or subsequent owners.
The location of underground improvements, structures, and utilities are not covered by this certificate.

COUNTY HEALTH DEPARTMENT APPROVAL

ONONDAGA COUNTY DEPARTMENT OF HEALTH
DIVISION OF ENVIRONMENTAL HEALTH

MUNICIPAL APPROVAL

APPROVED TOWN OF MANLIUS

DIRECTOR OF CODE ENFORCEMENT

DATE / FILE NUMBER

MAP REFERENCE:

MAP PREPARED BY SEGUIN LAND SURVEYING, PLLC ENTITLED "SUBDIVISION OF LANDS OF EVERLAND HOLDING CO., INC." FILED IN THE ONONDAGA COUNTY CLERK'S OFFICE AS MAP #12783.

DEED REFERENCE:

Anderson L. Hale and Jeanne R. Hale to Anderson L. Hale and Jeanne R. Hale Revocable Trust by deed dated March 30, 1995 and recorded in Onondaga County Clerk's Office in Book of Deeds 3992 at Page 162.

LEGEND

- ● IRF — IRON ROD FOUND
- ○ IPF — IRON PIPE FOUND
- ◉ CIRS — CAPPED IRON ROD TO BE SET
- —E— POLE AND UTILITIES

The undersigned surveyor hereby certifies that this map was made from an actual field survey completed on October 14, 2012, using the references and evidence shown hereon.

Forrest L. SeGuin, PLS – N.Y.S. LIC. NO. 050384

RECEIVED
JUN 11 2020
By_____

0 200 400 600

STATE OF NEW YORK · FORREST L. SEGUIN · LICENSED PROFESSIONAL SURVEYOR · NO. 050384

COPYRIGHT © 2020 SeGUIN LAND SURVEYING, PLLC

RESUBDIVISION – 100.998± ACRES PARCEL

LANDS OF EVERLAND HOLDING CO., INC.

PART OF LOTS 69, 78 & 79 – TOWN OF MANLIUS
ONONDAGA COUNTY, NEW YORK

SURVEY AND MAP PREPARED BY:
SeGUIN LAND SURVEYING, P.L.L.C.
FORREST L. SEGUIN, L.S.
6197 DYKE ROAD, CHITTENANGO, N.Y. 13037
PHONE:(315)263-1642 FAX:(315)687-0002

SCALE: 1" = 200'
DATE: 6/10/2020
PROJECT NO. 14196C
TAX MAP NO. 100-01-11
DWG. HALESOUTH 15

RECEIVED
APR 01 2020
By

TOWN OF MANLIUS
ZONE CHANGE APPLICATION

1. Name of Person applying for Zone Change: 5538 NBurdick, LLC

   Address of person applying: 125 East Jefferson Street, Suite 1510, Syracuse, NY 13202

   Cell Phone: 315-877-5113 Phone Number: 315-877-5113

2. Name of owner of record of land where Zone Change would occur: John Messenger

   Address: (owner of record) c/o James H. Messenger, Jr., Esq., 440 South Warren Street, Suite 703, Syracuse, NY 13202

   Cell Phone: _____ Phone Number (owner of record): _____

3. Tax Map Number of property where Zone Change would occur: 086.-02-07.1

4. Is this property located in a flood hazard area? No

   If so, what flood area is the property in it in?

   _____

5. Present zoning classification of property: Residential Agricultural (RA)

6. Desired zoning classification: Residential Multiple Use (RM)

   Reason for change of Zone (use additional sheets if necessary): dental practice

7. What is the lot size? 4.1 Ac – see enclosed survey

8. If the Zone Change is granted, will the use of the property conform to the District regulations as stated in Chapter 155 Article III of the Town of Manlius Municipal Code? Yes

9. Is the property within the protectively zoned area of a housing project authorized under the public housing law? No

10. Is the property within five hundred (500) feet of the boundaries of any city, village, town, county? No

If yes, please specify: _____

11. Is the property within five hundred (500) feet of the boundary of any existing or proposed County or State park or other recreational area, or from the right-of-way of any existing or proposed county or state parkway, thruway, expressway, road or highway, or from the existing or proposed right-of-way of any stream or drainage channel owned by the county or for which the county has established channel lines, or from the existing or proposed boundary of any county or state owned land on which a public building or institution is situated? Yes

If yes, specify The Erie Canal.

12. List the uses of all abutting property: Residential Agricultural (RA), Residential Multiple Use (RM)

13. The following must be included with your 12 application packets unless otherwise specified and/or specifically waived by the Town Board:

- An environmental assessment form which can be obtained from the Town Clerk, or an environmental impact statement.
- Copy of a survey of the premises certified by a New York State licensed surveyor.
- Legal description of the premises.
- This application must be signed by both the owner of record of the property and the applicant.

The failure to answer any question on this application, the failure to submit any item as specified or the failure to execute this application will result in a delay in the processing of the application.

	Authorized Party	
Applicant Signature	Title	Date
Jon Messenger	Owner	03/24/2020
Property Owner Signature	Title	Date

10. Is the property within five hundred (500) feet of the boundaries of any city, village, town, county? No

If yes, please specify: _____

11. Is the property within five hundred (500) feet of the boundary of any existing or proposed County or State park or other recreational area, or from the right-of-way of any existing or proposed county or state parkway, thruway, expressway, road or highway, or from the existing or proposed right-of-way of any stream or drainage channel owned by the county or for which the county has established channel lines, or from the existing or proposed boundary of any county or state owned land on which a public building or institution is situated? Yes

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- An environmental assessment form which can be obtained from the Town Clerk, or an environmental impact statement.
- Copy of a survey of the premises certified by a New York State licensed surveyor.
- Legal description of the premises.
- This application must be signed by both the owner of record of the property and the applicant.

The failure to answer any question on this application, the failure to submit any item as specified or the failure to execute this application will result in a delay in the processing of the application.

	Authorized Party	03/25/20
Applicant Signature	Title	Date
Property Owner Signature	Title	Date

LIMITED LIABILITY COMPANY/CORPORATE ACKNOWLEDGMENT

State of New York)
County of Onondaga)

On the 24th day of March in the year 2020, before me personally came ***SCOTT DUMAS*** to me known, who, being by me duly sworn, did depose and say that he resides at 208 North Manlius Street, Fayetteville, New York 13066, that he is an Authorized Party for 5538 NBurdick, LLC, the limited liability company described in and which executed the above instrument; that he know(s) the seal of said limited liability company, that the seal affixed to said instrument is such company's seal; that it was so affixed by authority of the members of said limited liability company, and that he signed his name thereto by like authority.

Signature

Scott Dumas

Sworn to me this 24th day of March, 2020

Notary Public

PRISCILLA MARIE ALLEN
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01AL6233564
Qualified in Onondaga County
Commission Expires December 27, 2022

MAP NOTES

1.) NORTH ORIENTATION IS BASED ON GRID NORTH FROM RTK GPS OBSERVATIONS

2.) VERTICAL DATUM IS BASED ON NAVD 1988 DATUM FROM RTK GPS OBSERVATIONS

3.) THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF AN ABSTRACT OR UP TO DATE TITLE REPORT AND IS THEREFORE SUBJECT TO ANY EASEMENTS, RESTRICTIONS, CONDITIONS, OR ANY STATEMENT OF FACTS THAT SUCH DOCUMENTS MAY DISCLOSE.

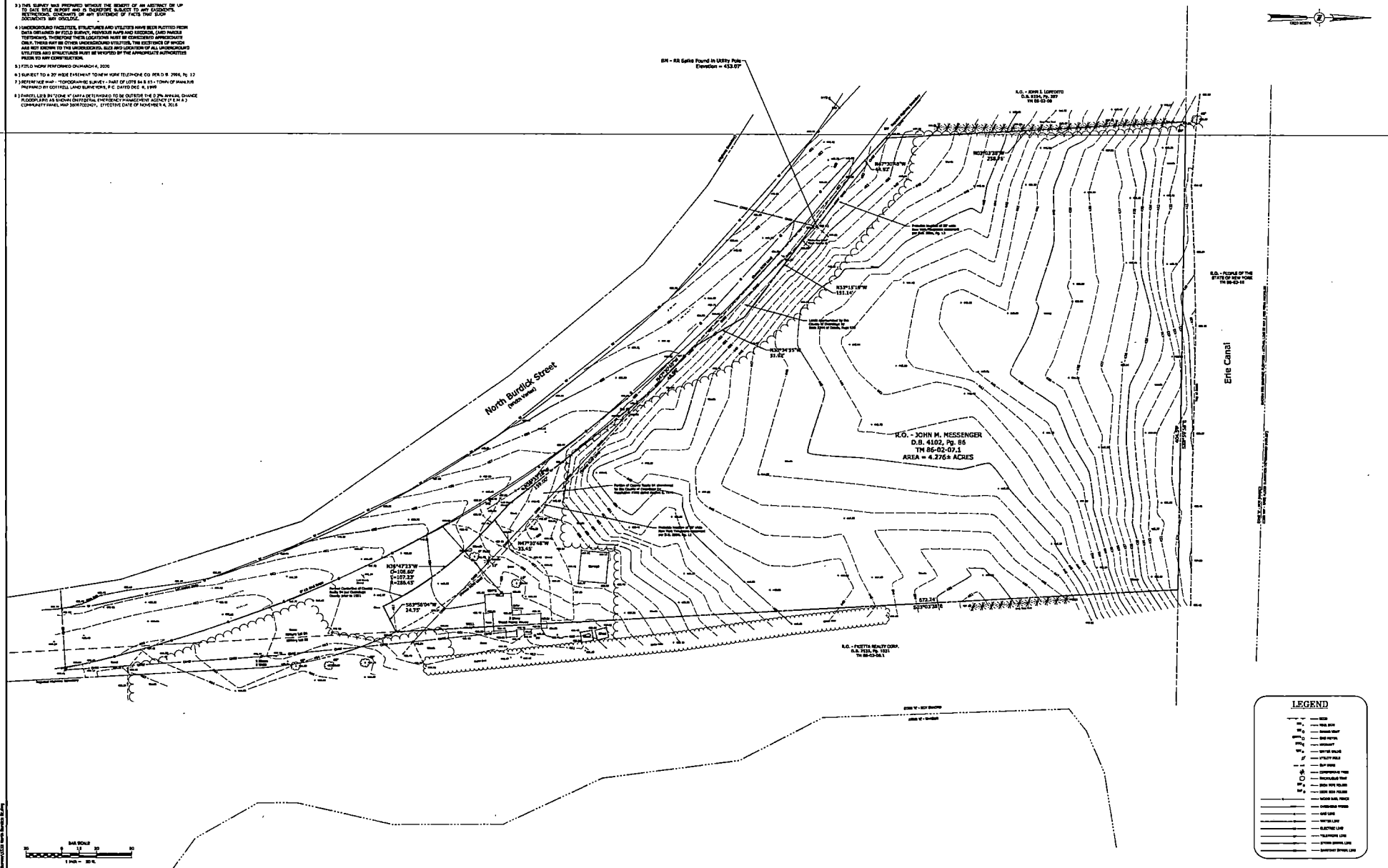
4.) UNDERGROUND FACILITIES, STRUCTURES AND UTILITIES HAVE BEEN PLOTTED FROM DATA OBTAINED BY FIELD SURVEY, PREVIOUS MAPS AND RECORDS, (AND PARCEL TESTIMONY). THEREFORE THESE LOCATIONS MUST BE CONSIDERED APPROXIMATE ONLY. THERE MAY BE OTHER UNDERGROUND UTILITIES, THE EXISTENCE OF WHICH ARE NOT KNOWN TO THE UNDERSIGNED, SIZE AND LOCATION OF ALL UNDERGROUND UTILITIES AND STRUCTURES MUST BE VERIFIED BY THE APPROPRIATE AUTHORITIES PRIOR TO ANY CONSTRUCTION.

5.) TITLE WORK PERFORMED ON MARCH 4, 2020

6.) SUBJECT TO a 20' WIDE EASEMENT TO NEW YORK TELEPHONE CO. PER D.B. 2986, Pg. 12

7.) REFERENCE MAP - TOPOGRAPHIC SURVEY - PART OF LOTS 84 & 85 - TOWN OF MANLIUS PREPARED BY CONTROL LAND SURVEYORS, P.C. DATED DEC. 6, 1999

8.) PARCEL LIES IN "ZONE X" (AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN) AS SHOWN ON FEDERAL EMERGENCY MANAGEMENT AGENCY (F.E.M.A.) COMMUNITY PANEL MAP 36067C0242F, EFFECTIVE DATE OF NOVEMBER 4, 2016



LEGEND

I CERTIFY THAT THIS SURVEY MAP PREPARED BY THE ABOVE FIELD SURVEY AND IS CORRECT TO THE BEST OF MY KNOWLEDGE AND HAS BEEN PREPARED IN ACCORDANCE WITH THE CURRENT CODE OF PRACTICE OF THE N.Y.S. ASSOCIATION OF PROFESSIONAL LAND SURVEYORS.

03/10/20

DAVID M. SUSKI PLS # 50105 DATE

"ONLY COPIES OF THIS MAP BEARING IN RED INK AND EMBOSSED WITH THE SEAL OF AN OFFICER OF C.T. MALE ASSOCIATES OR A DESIGNATED REPRESENTATIVE SHALL BE CONSIDERED TO BE A VALID TRUE COPY"

DAVID M. SUSKI
P.L.S. NO. 50105

STATE OF NEW YORK
DAVID M. SUSKI
LICENSED
LAND SURVEYOR

DATE	REVISIONS RECORD/DESCRIPTION	DRAFTER	CHECK	APPR.

THIS PRODUCED IN WHOLE OR IN PART OR ADAPTED TO THIS DOCUMENT IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW

© 2020
C.T. MALE ASSOCIATES

APPROVED:
DRAFTED : JAD
CHECKED : DMS
PROJ. NO : 20.0155
SCALE : 1" = 30 FT.
DATE : MARCH 6, 2020

BOUNDARY AND TOPOGRAPHIC SURVEY MAP

PART OF
LOTS 84 AND 85
5538 NORTH BURDICK STREET

PART OF MILITARY LOT 84

TOWN OF MANLIUS — ONONDAGA COUNTY, NEW YORK

C.T. MALE ASSOCIATES
Engineering, Surveying, Architecture, Landscape Architecture, & Geology, D.P.C.
50 Century Hill Drive, Suite 2, Latham, New York 12110-2127
(518) 785-5000 FAX (518) 785-1567

SHEET 1 OF 1
DWG. NO: 20-0205

N. BURDICK ST. OFFICE BUILDING
CONCEPT SITE PLAN A

FEBRUARY 5, 2020

0 40 80 120
SCALE IN FEET

VIP STRUCTURES

KFA KEPLINGER FREEMAN ASSOCIATES
LANDSCAPE ARCHITECTURE & LAND PLANNING

N. BURDICK ST. OFFICE BUILDING

CONCEPT SITE PLAN A - SITE DISTANCE

FEBRUARY 5, 2020

0 80 160 240

SCALE IN FEET

VIP STRUCTURES

KEPLINGER FREEMAN ASSOCIATES
LANDSCAPE ARCHITECTURE & LAND PLANNING

T. 278—Standard N.Y.B.T.U. Form 8005A—Executor's Deed, Individual or Corporation (single sheet) BOOK 4102 PAGE 0086 JULIUS BLUMBERG, INC., LAW BLANK PUBLISHERS

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT—THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY.

398.

THIS INDENTURE, made the 11 th. day of September, nineteen hundred and ninety-six

BETWEEN

MADELINE M. DOUGHERTY, of 236 North Midler Avenue, Syracuse, New York 13206

as executrix of the last will and testament of WILLIAM P. DOUGHERTY, late of 5538 Burdick Street, Fayetteville, New York 13066 who died on the 7th. day of January, nineteen hundred and ninety-five

party of the first part, and

JOHN M. MESSENGER, of 4891 Sweet Road, Manlius, New York 13104

party of the second part,

WITNESSETH, that the party of the first part, to whom letters testamentary were issued by the Surrogate's Court, Onondaga County, New York on March 29, 1995 and by virtue of the power and authority given in and by said last will and testament, and/or by Article 11 of the Estates, Powers and Trusts Law, and in consideration of

Ninety-Nine Thousand Five Hundred Dollars ($99,500.00) dollars, paid by the party of the second part, does hereby grant and release unto the party of the second part, the distributees or successors and assigns of the party of the second part forever,

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and being in the, more fully set forth and described in the attached Schedule "A"

RECEIVED $ 398. REAL ESTATE SEP 11 1996 TRANSFER TAX ONONDAGA COUNTY 001628

RECORDED SEP 11 2 15 PM '96 ONON. CO. CLERK OFFICE CLERK

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting the above described premises to the center lines thereof; TOGETHER with the appurtenances, and also all the estate which the said decedent had at the time of decedent's death in said premises, and also the estate therein, which the party of the first part has or has power to convey or dispose of, whether individually, or by virtue of said will or otherwise; TO HAVE AND TO HOLD the premises herein granted unto the party of the second part, the distributees or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the said premises have been incumbered in any way whatever, except as aforesaid.
Subject to the trust fund provisions of section thirteen of th[redacted]
The word "party" shall be construed as if it read "parti[redacted] indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly [redacted]d the day and year first above written.

IN PRESENCE OF:

Madeline M. Dougherty
MADELINE M. DOUGHERTY, Executrix

RTR: James A. Messenger, JR, Atty 441 S. Salina ST Syracuse, NY 13202

09122

13170

SCHEDULE "A"

ALL THAT TRACT OR PARCEL OF LAND, situate in the Town of Manlius, County of Onondaga, and State of New York, being part of Lot 64 in said Town and being more specifically described as follows:

Beginning at a point in the easterly line of Lot 64 Town of Manlius, (being also the westerly line of Lot 65 Town of Manlius), at the intersection of said easterly line with the southerly Blue Line of the former Erie Canal,

Running thence North 78°-04'-50" West a distance of 404.59 feet along the southerly Blue Line of the former Erie Canal to a point,

Thence south 7°-51'-30" West a distance of 258.76 feet to a point in the northeasterly line of N. Burdick Street,

Thence South 36°-35'-40" East a distance of 44.92± feet along the northeasterly line of N. Burdick street to a point, (said point being the northwesterly corner of an Appropriation by the County of Onondaga for the widening of N. Burdick Street as recorded in Book of Deeds 2544 at Page 935 in Onondaga County Clerk's Office),

Thence on the following courses and distances along the northeasterly line of N. Burdick Street, as widened by said Appropriation,

South 42°-20'-11" East a distance of 151.14± feet to an angle point,

South 19°-39'-47" east a distance of 51.92± feet to a point in the original northeasterly line of N. Burdick Street,

Thence South 36°-35'-40" East a distance of 48.98± feet along the original northeasterly line of N. Burdick Street to a point

Thence South 27°-38'-20" East a distance of 159.0 feet along the original northeasterly line of N. Burdick Street to a point,

Thence South 36°-35'-40" East a distance of 33.45 feet along the original northeasterly line of N. Burdick Street to a point of curve,

Thence on a curve to the right with a radius of 286.45 feet a distance of 107.23 feet along the original northeasterly line of N. Burdick Street to a point,

Thence North 74°-51'-12" East a distance of 24.75 feet to a point in the easterly line of Lot 64 Town of Manlius,

Thence North 7°-51'-30" East a distance of 672.24 feet along the easterly line of Lot 64 Town of Manlius to the point of beginning.

Subject to easements and restrictions of record.

TOWN OF MANLIUS

DISCLOSURE AFFIDAVIT

This affidavit is a part of and must be completed and attached to every application, petition, request submitted to a site plan, variance, amendment, change of zoning, approval of a plat exemption from a plat or official map, license or permit.

STATE OF NEW YORK)
COUNTY OF ONONDAGA)

I. ***SCOTT DUMAS,*** being duly sworn deposes and says that (s)he is:

An authorized signatory for the applicant 5538 NBurdick, LLC.

II. That deponent has read and is familiar with the provisions of the General Municipal Law, Section 809 which states:

I have reviewed §809 of the General Municipal Law and am familiar with the provisions contained therein.

A. Every application, petition or request submitted for a site plan, variance, amendment, change of zoning, approval of a plat, exemption from a plat or official map, license or permit, pursuant to the provision or any ordinance, local law, rule or regulation constituting the zoning and planning regulations of a municipality shall state the name, residence and the nature and extent of the interest of any state officer or any officer or employee of such municipality is a part, in the person, partnership or association making such application, petition or request (hereinafter called the applicant) to the extent known to such applicant.

B. For the purpose of this action an officer or employee shall be deemed to have an interest in the applicant when (s)he, his/her spouse, or their brothers, sisters, parents, children, grandchildren, or the spouse of any of them:

1) Is the applicant, or
2) Is an officer, director, partner or employee of the applicant, or
3) Legally or beneficially owns or controls stock of a corporate applicant or is a member of a partnership or association applicant, or
4) Is a party to an agreement with such an applicant, express or implied, whereby (s)he may receive any payment or other benefit, whether or not for services rendered, or contingent upon the favorable approval of such application, petition or request.

C. Ownership of less than five percent (5%) of the stock of a corporation whose stock is listed on the New York or American Stock Exchanges shall not constitute an interest

for the purposes of this section/.A person who knowingly and intentionally violates this section shall be guilty of a misdemeanor.

III. That no Town of Manlius officer, employee or a relative of either, as defined in Section 809 General Municipal Law has any interest in this application.

-OR-

If a Town of Manlius officer, employee or relative of either as defined in Section 809 General Municipal law has any interest in this application, the full particulars are provided on the attached sheet.

Date: March 25, 2020

Scott Dumas, Authorized Signatory
5538 NBurdick, LLC
124 E. Jefferson Street, Suite 150, Syracuse, NY 13202
315-877-5113

State of New York)
County of Onondaga)

On the 25th day of March in the year 2020, before me the undersigned, a notary public in and for said state, personally came SCOTT DUMAS personally known to me or provided to me on the basis of satisfactory evidence to be the individual whose name is subscribed to the within Petition and acknowledged to me that he executed the same in his capacity and that by his signature on the Petition, the individual or the person upon behalf of which the individual acted executed the instrument.

Notary Public

PRISCILLA MARIE ALLEN
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01AL6233564
Qualified in Onondaga County
Commission Expires December 27, 2022

LIMITED LIABILITY COMPANY/CORPORATE ACKNOWLEDGMENT

State of New York)
) ss.
County of Onondaga)

SCOTT DUMAS, being by me duly sworn, deposes and says that he is an Authorized Party for 5538 NBurdick, LLC, the limited liability company described in the within Application/Petition, that s(he) has read the foregoing affidavit and knows the contents thereof, that the same is true of s(he) own knowledge, except as to those matters therein stated to be alleged upon information and belief, and as to those matters s(he) believes it to be true.

Applicant Signature

Sworn to me this 25 day of March, 2020

Notary Public

PRISCILLA MARIE ALLEN
NOTARY PUBLIC, STATE OF NEW YORK
Registration No. 01AL6233564
Qualified in Onondaga County
Commission Expires December 27, 2022

Full Environmental Assessment Form
Part 1 - Project and Setting

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:		
Project Location (describe, and attach a general location map): 5538 N Burdick Street, Fayetteville, NY 13066		
Brief Description of Proposed Action (include purpose or need): Project includes the construction of a new 10,000 sf+/- building. Site work includes a 100 stall parking lot, utilities, landscaping, and a storm water management facility.		
Name of Applicant/Sponsor: Keplinger Freeman Associates	Telephone: 315.445.7980 E-Mail: sf@keplingerfreeman.com	
Address: 6320 Fly Road		
City/PO: East Syracuse	State: NY	Zip Code: 13057
Project Contact (if not same as sponsor; give name and title/role): Scott Dumas	Telephone: 315.877.5113 E-Mail: scottdumas107@gmail.com	
Address: 5015 Campuswood Drive Suite 101		
City/PO: East Syracuse	State: NY	Zip Code: 13057
Property Owner (if not same as sponsor): John Messenger	Telephone: E-Mail:	
Address: 440 South Warren St. Ste 703		
City/PO: Syracuse	State: NY	Zip Code: 13202

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	Manlius Town Board zone change	3-30-20
b. City, Town or Village Planning Board or Commission ☑Yes☐No	Town of Manlius Planning Board Approval	May 2020
c. City, Town or Village Zoning Board of Appeals ☐Yes☐No		
d. Other local agencies ☐Yes☐No		
e. County agencies ☑Yes☐No	Onondaga County DOT, OCWA, OCWEP	TBD
f. Regional agencies ☐Yes☐No		
g. State agencies ☑Yes☐No	NYS DEC SPDES Permit	TBD
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? • **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	☑Yes☐No
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?) If Yes, identify the plan(s):	☐Yes☑No
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? If Yes, identify the plan(s):	☐Yes☑No

C.3. Zoning	
a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. If Yes, what is the zoning classification(s) including any applicable overlay district? Restricted Agriculture	☑ Yes ☐ No
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? If Yes, *i.* What is the proposed new zoning for the site? RM	☑ Yes ☐ No
C.4. Existing community services.	
a. In what school district is the project site located? Fayetteville - Manlius	
b. What police or other public protection forces serve the project site? Town of Manlius Police Department	
c. Which fire protection and emergency medical services serve the project site? Fayetteville Fire Department, EAVES Ambulance	
d. What parks serve the project site? Old Erie Canal State Park, Pools Brook Park	

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)? commercial	
b. a. Total acreage of the site of the proposed action? 4.10 acres b. Total acreage to be physically disturbed? 4.00 acres c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 4.10 acres	
c. Is the proposed action an expansion of an existing project or use? *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: _____	☐ Yes ☑ No
d. Is the proposed action a subdivision, or does it include a subdivision? If Yes, *i.* Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)	☐ Yes ☑ No
ii. Is a cluster/conservation layout proposed? *iii.* Number of lots proposed? _____ *iv.* Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____	☐ Yes ☐ No
e. Will the proposed action be constructed in multiple phases? *i.* If No, anticipated period of construction: 12 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: _____	☐ Yes ☑ No

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 1

ii. Dimensions (in feet) of largest proposed structure: 25 height; 75 width; and 140 length

iii. Approximate extent of building space to be heated or cooled: 10,500 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: storm water

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

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: .5 acres

v. Dimensions of the proposed dam or impounding structure: 6 ' deep height; 320' length

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

D.2. Project Operations

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

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.

iv. 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: 4,000 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: CWR40-County Water, WT050-Manl cons water sup
- 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:
- Source(s) of supply for the district:

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:

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: 4,000 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):
sanitary wastewater

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

- Name of wastewater treatment plant to be used: Meadowbrook-Limestone Wastewater Treatment Plant (WWTP)
- Name of district: SW012-Consolidated Sewer
- 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: Sanitary is available approximately 1000' south of our project site along N. Burdick St. The sanitary line will be extended to the site.

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):

vi. Describe any plans or designs to capture, recycle or reuse 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 1.32 acres (impervious surface)

_____ Square feet or 4.10 acres (parcel size)

ii. Describe types of new point sources. storm water associated with building and parking lot

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)?

Storm water will be directed to an on-site storm water facility.

- 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)

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

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

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:
- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____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): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

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: 125,000 KWHR

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

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: 7:00am - 6:00pm
- Saturday: -
- Sunday: -
- Holidays: -

ii. During Operations:

- Monday - Friday: 7:00am - 4:00pm
- Saturday: closed
- Sunday: closed
- Holidays: closed

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? If yes: *i.* Provide details including sources, time of day and duration:	☐ Yes ☑ No
ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? Describe:	☐ Yes ☐ No
n. Will the proposed action have outdoor lighting? If yes: *i.* Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures: Building mounted dark sky compliant lighting directed towards the parking lot. Lights will be mounted 10' off the ground. Lights will not impact nearby/ adjacent properties.	☑ Yes ☐ No
ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? Describe:	☐ Yes ☑ No
o. Does the proposed action have the potential to produce odors for more than one hour per day? If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:	☐ Yes ☑ No
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? 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:	☐ Yes ☑ No
q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? If Yes: *i.* Describe proposed treatment(s):	☐ Yes ☑ No
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)? If Yes: *i.* Describe any solid waste(s) to be generated during construction or operation of the facility: • Construction: _____ tons per _____ (unit of time) • Operation : _____ tons per _____ (unit of time) *ii.* Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste: • Construction: • Operation: *iii.* Proposed disposal methods/facilities for solid waste generated on-site: • Construction: • Operation:	☐ Yes ☑ No

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): vacant land

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	.10	1.32	+1.22
• Forested			
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	4	2.78	-1.22
• Agricultural (includes active orchards, field, greenhouse etc.)			
• Surface water features (lakes, ponds, streams, rivers, etc.)			
• Wetlands (freshwater or tidal)			
• Non-vegetated (bare rock, earth or fill)			
• 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:

Town Center Retirement Community, North East Medical Center

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:

Cazenovia Silt Loam	85.4 %
Palmyra Gravelly Loam	14.6 %
	%

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: 85.4 % of site
- ☑ Moderately Well Drained: 14.6 % of site
- ☐ Poorly Drained ____% of site

f. Approximate proportion of proposed action site with slopes:
- ☑ 0-10%: 90 % of site
- ☐ 10-15%: ____% of site
- ☑ 15% or greater: 10 % 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 _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name Federal Waters 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: _____

m. Identify the predominant wildlife species that occupy or use the project site:
insects, mammals, birds

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):
Northern Long-eared Bat

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:

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? 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: _____	☐Yes ☑No
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? If Yes: *i.* Describe possible resource(s): _____ *ii.* Basis for identification: _____	☐Yes ☑No
h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? If Yes: *i.* Identify resource: Old Erie Canal State Park, Butternut Creek Trail, Ryder Park, Green Lakes State Park, Canal Landing Park *ii.* Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): State Park / Local Park *iii.* Distance between project and resource: <5 miles.	☑Yes ☐No
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? 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 ☐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.

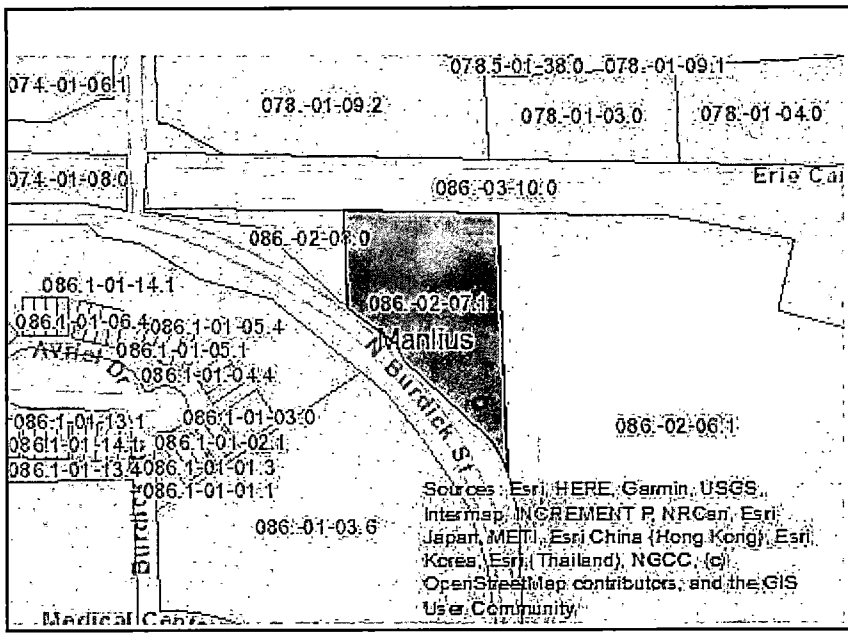
Applicant/Sponsor Name Scott Freeman - Keplinger Freeman Associates Date 3-30-20

Signature Scott J. Freeman Title Landscape Architect

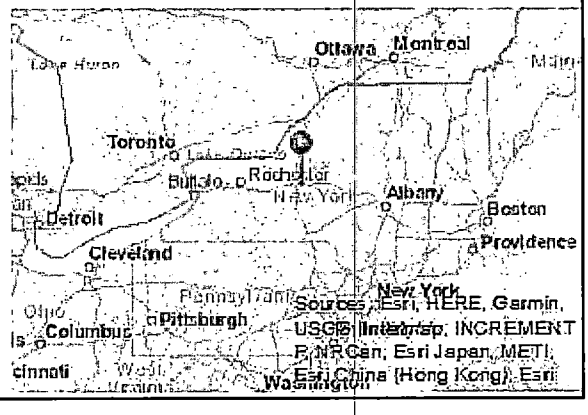
PRINT FORM

EAF Mapper Summary Report

Thursday, March 26, 2020 1:00 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]	Yes
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.iv [Surface Water Features - Wetlands Name]	Federal Waters
E.2.h.v [Impaired Water Bodies]	No
E.2.i. [Floodway]	No
E.2.j. [100 Year Floodplain]	Yes
E.2.k. [500 Year Floodplain]	No
E.2.l. [Aquifers]	No
E.2.n. [Natural Communities]	No
E.2.o. [Endangered or Threatened Species]	Yes

E.2.o. [Endangered or Threatened Species - Name]	Northern Long-eared Bat
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	No
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

NEW YORK STATE OF OPPORTUNITY. | **Parks, Recreation, and Historic Preservation**

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

March 14, 2020

Vincent Ryan
Project Manager
Keplinger Freeman Associates
6320 Fly Rd.
Suite 109
Syracuse, NY 13057

Re: DEC
Burdick St. Commercial Developlment
5538 N Burdick St, Town of Manlius, Onondaga County, NY
20PR01563

Dear Vincent Ryan:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the project in accordance with the New York State Historic Preservation Act of 1980 (Section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the OPRHP and relate only to Historic/Cultural resources. They do not include potential environmental impacts to New York State Parkland that may be involved in or near your project. Such impacts must be considered as part of the environmental review of the project pursuant to the State Environmental Quality Review Act (New York Environmental Conservation Law Article 8) and its implementing regulations (6 NYCRR Part 617).

Based upon this review, it is the opinion of OPRHP that no properties, including archaeological and/or historic resources, listed in or eligible for the New York State and National Registers of Historic Places will be impacted by this project.

If further correspondence is required regarding this project, please be sure to refer to the OPRHP Project Review (PR) number noted above.

Sincerely,

Roger Daniel Mackay

R. Daniel Mackay

Deputy Commissioner for Historic Preservation
Division for Historic Preservation

Expected Fee: _____

TOWN OF MANLIUS
PLANNING DEPARTMENT
INITIAL APPEARANCE APPLICATION

DATE: April 28, 2020

Name of Project: 5538 North Burdick Street

Applicant must submit 12 copies of all site plans, surveys, and supporting data with the final application before a planning board meeting can be scheduled.

Location of Project: 5538 North Burdick Street, Manlius, New York

Type of Project:

○ Division of Land ○ Subdivision ○ Accessory Use ⊗ Zone Change ○ Site Review ○ Other _____

Developer: 5538 NBurdick, LLC Phone: (315) 877-5113

Address: 125 East Jefferson Street, Suite 1510, Syracuse, New York Zip: 13202

Tax Map Number(#)/s: 086.-02-07.1

Present Zoning: Residential Agricultural (RA) Desired Zoning: Residential Multiple Use (RM)

Total Acreage: 4.1 Ac Total Number of Lots: 1 Lot

Property Owner/s: John Messenger Phone: (315) 471-3030

Address: c/o James Messenger, Esq., 440 South Warren St, Syracuse, NY Zip: 13202

Tax Map#(s): 086.-02-07.1 Owner's Signature: John Messenger

Printed Name: John Messenger

Property Owner/s: _____ Phone: _____

Address: _____ Zip: _____

Tax Map#(s): _____ Owner's Signature: John Messenger

Printed Name: John Messenger

Use next page for additional known property owners' information

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Planning Board Meeting Date Assignment: _____

Fee: _____ Paid: _____ Per: ○ Credit/Debit Card ○ Check ○ Cash

Planning Board - Initial

TOWN OF MANLIUS
PLANNING DEPARTMENT
INITIAL APPEARANCE APPLICATION
(continued)

Property Owner's: [illegible] Phone: 315-877-5013

Address: [illegible] Zip: 13202

Tax Map#(s): Owner's Signature:

Printed Name: Scott Dennis, Authorized Signatory

Property Owner's: Phone:

Address: Zip:

Tax Map#(s): Owner's Signature:

Printed Name:

Property Owner's: Phone:

Address: Zip:

Tax Map#(s): Owner's Signature:

Printed Name:

Property Owner/s: Phone:

Address: Zip:

Tax Map#(s): Owner's Signature:

Printed Name:

Property Owner/s: Phone:

Address: Zip:

Tax Map#(s): Owner's Signature:

Printed Name:

Property Owner/s: Phone:

Address: Zip:

Tax Map#(s): Owner's Signature:

Printed Name: