

October 13, 2020

Mr. Chris Newell
Town of Cortlandville Planning Board
The Raymond G. Thorpe Municipal Building
3577 Terrace Road
Cortland, NY 13045

RE: SSC Cortlandville II LLC and SSC Cortlandville II LLC
Delta Project No.: 2020.260.001 and 2020.261.001

Dear Mr. Newell:

Please accept this letter in response to Mr. Renzi's Comments on Agenda Items memo dated September 29, 2020.

Comment #1: The County Planning Department reports dated September 11, 2020 and the county planning board resolutions NOS. 20-21 and 20-22 are complete and acceptable. The applicant has responded to the county's issues that require resolution in a memo to Chris Newell Dated September 22, 2020. The responses will be a subject for discussion at the planning board meeting.

Response: Comment noted. Response is not required.

Comment #2: The newly submitted drawings revision block shows a revisions No. 2 as "incorporated planning board comments". Standard drawing practice is to flag the revision number and to show it in the field of the drawing. This practice has not been followed for the most part and it makes it difficult to assess the revision without going back to the original comments document. In some cases the planning board comments have not been incorporated contrary to revision block statement.

Response: Applicant agrees this is good engineering practice. The title block has been modified to reflect each series of previously provided comments and added a delta next to each rev cloud signifying which round of comment it pertains to.

Comment #3: As an example of the aforementioned statement drawing number CVII-301 balloons out in red the view screening plantings detail indicating that the planning board's comments were incorporated, unless addressing the board's comments is tantamount to incorporating their comments. The planning board's comments clearly requested in the August 9, 2020 planning board comments that the in row spacing be ten feet and between row spacing be sixteen feet. The in row and between row spacing is the same as it was on the original submittals.

Response: Applicant acknowledges Mr. Renzis comments. We are appreciative of the suggestion and respectfully request allowing us to keep the row spacing as shown. Our landscape architect

has opined that a decreased row spacing would inhibit growth of the trees due to crowding, causing nutrient deficiencies because of root competition. Branch distribution of the selected species will completely fill in, blocking the viewshed as the trees reach maturity.

Comment #4: Still referencing CVII-301 the not to scale drawings are still misleading. Section A-A shows the 20 feet spacing and the trees being also twenty feet. Even though not to scale details are useful they should not be misleading. With screening being an issue in solar farm projects it is incumbent on the applicant to be consistent if even not to scale. The plan view and Section A-A should be redrawn to scale with the spacing requested by the planning board including a height of ten feet for the spruce.

Response: The detail on the earlier submissions of this plan set represented the anticipated vegetative growth within a 5-year period which is a typical development practice. An additional detail has been added (Detail 7 Sheet C-301) in this regard. Applicant has additionally revised Detail 6 on Sheet C-301 to represent what the vegetative buffer will look like at the time the trees are planted. We acknowledge the request from Mr. Renzi related to the height of the trees and for the avoidance of doubt we are representing a 15' tree height in Detail 7, consistent with the growth of the species in a 5-year period.

Comment#5: As previously stated in the planning board's comments about 33% of the 74.7 acres taken up by the solar panels arrays is prime farmland (24.72) acres). The fact that other solar farms that encroached on prime farmland were approved by the planning board does not automatically negate the code requirement and henceforth not make it a requirement. Each application is treated individually. The applicant should re-evaluate the design with consideration to the prime farmland issue and make the appropriate changes to conform to the Cortlandville code.

Response: Upon further review, Applicant has determined that this property does not qualify as prime farmland as defined by the State of NY. NYS Agricultural Land Classification System classifies all farmland on the scale of 1-10. Any properties in classes 1-4 are considered prime farmland, whereas properties classified 5-10 are not considered prime farmland. NYS Ag also rates soils in every county in a similar fashion on a scale of 1-10. Upon review of the NYS Agricultural Land Classification system this property does not contain prime soils and / or farmland. For the avoidance of argument, in the instance these areas were considered prime farmland, the sections of the property which are perceived to be prime farmland by the Town of Cortlandville are areas on the property which do not contain solar energy equipment. Lastly, we respectfully request the Planning Board to remain consistent in its previous determinations made regarding the allowance of solar farms on prime farmland and consider the previously made determinative actions in this regard. Our understanding remains to be the Planning Board has sole discretion as to whether or not to allow solar farms on prime farmland.

Comment#6: Visual renditions of the two solar farms as viewed from adjoining streets, Cosmos Hill rd. and Route 281 shall be presented as previously requested.

Response: Please see the provided visual rendering from Cosmos Hill Rd. A visual rendering from Route 281 is not provided because there are no sections along Route 281 where the project can

be seen. Route 281 site is substantially lower than the proposed project property. Topography and existing vegetative screening prevent any of the project viewshed.

Comment #7 - On Drawings CV11-301 the plan view of the view screening plantings detail references to see 2 / C-303 for planting detail. Drawing C-300 was not in the drawing package.

Response: Applicant has provided the drawing in the latest package dated (10.12.20).

We appreciate the opportunity to submit this information and look forward to your feedback.

Respectfully,

DELTA ENGINEERS, ARCHITECTS, LAND SURVEYORS, & LANDSCAPE ARCHITECTS, DPC

A handwritten signature in blue ink that reads 'Christopher J. Maby'.

Christopher J. Maby, CPESC
Sr. Project Manager

Enc.

SSC CORTLANDVILLE III LLC

4240 BELL CREST DRIVE

CORTLAND, NY 13045

DELTA PROJECT NO. 2020.260.001

ORIGINAL SUBMISSION JULY 22, 2020

REVISED SUBMISSION AUGUST 17, 2020

REVISED SUBMISSION SEPTEMBER 18, 2020

REVISED SUBMISSION OCTOBER 13, 2020

PLANNING BOARD

INDEX OF DRAWINGS

GENERAL

CVIII-TS TITLE SHEET

CIVIL

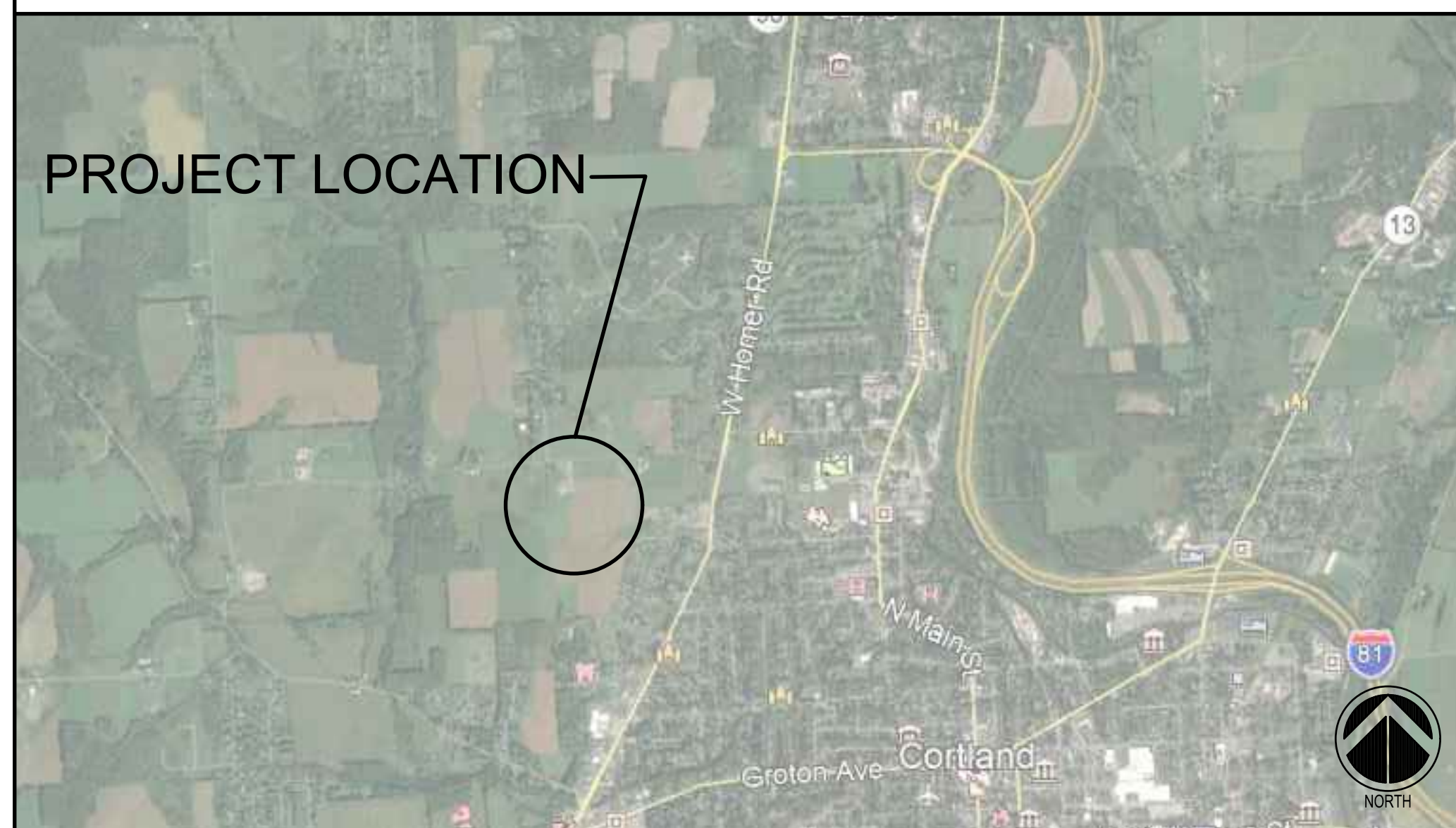
CVIII-100 EXISTING SITE CONDITIONS
CVIII-101 EROSION AND SEDIMENT CONTROLS PLAN
CVIII-200 SITE PLAN
CVIII-300 DETAILS
CVIII-301 DETAILS

ARCHITECT/ENGINEER



860 Hooper Road
Endwell, New York 13760
Tel: 607.231.6600
Fax: 607.231.6650
Email: mail@delta-eas.com
www.delta-eas.com

PROJECT LOCATION



OWNER

Landowner: Lawrence Hill

Δ REV 2

DEVELOPER:



SUMMIT SOLAR

SSC Cortlandville III LLC
334 Arapahoe Ave
Boulder, CO 80302
Tel: 561.866.8234
Email: john@summitsolarcapital.com

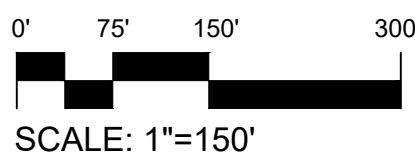
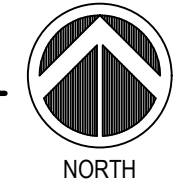
CVIII-TS



EXISTING CONDITIONS LEGEND:	
PROPERTY LINE	---
SETBACK LINE	---
EXISTING GROUND CONTOUR	---360---
WETLAND BOUNDARY	
EXISTING OVERHEAD ELECTRIC LINE	— OH — OH — OH —
EXISTING PAVEMENT AREA	
EXISTING TREE LINE	

- GENERAL NOTES:
- GROUND CONTOUR LINES SHOWN IN THIS DRAWING WERE ADDED USING INFORMATION FROM THE NEW YORK STATE CLEARING HOUSE WEBSITE.
 - PROPERTY LINES ARE APPROXIMATE AND BASED ON TAX MAP INFORMATION.
 - WETLANDS WERE RECENTLY MAPPED AND UNKNOWN TO STATE AND FEDERAL AGENCIES.

1 EXISTING SITE CONDITIONS



SSC Cortlandville III LLC
334 Arapahoe Ave
Boulder, Colorado 80302
Tel: 561.866.8234
Email: john@summitsolarcapital.com

Key Plan

NOT FOR CONSTRUCTION

3	Incorporated Planning Board Comments	10/13/2020
2	Incorporated Planning Board Comments	9/18/2020
1	Revised Solar Layout	8/17/2020
0	Original Submission	7/22/2020
No.	Revision	Date

Project Name
SSC CORTLANDVILLE III LLC

TOWN OF CORTLANDVILLE, NEW YORK STATE

DELTA
ENGINEERS, ARCHITECTS, & SURVEYORS
860 Hooper Road
Endwell, New York 13760
Tel: 607.231.6600
Fax: 607.231.6650
Email: mail@delta-eas.com
www.delta-eas.com

Seal	Phase PLANNING BOARD
	Project No. 2020.261.001
	UNAUTHORIZED ALTERATION OF THIS DRAWING IS A VIOLATION OF THE NEW YORK STATE EDUCATION LAW, SECTION 7209, SUBDIVISION 2.
	Date 2020.10.13

Drawing Title

EXISTING SITE CONDITIONS

Drawing No.

CVIII-100



EXISTING CONDITIONS LEGEND:	
PROPERTY LINE	---
SETBACK LINE	---
EXISTING GROUND CONTOUR	---360---
WETLAND BOUNDARY	▨
EXISTING OVERHEAD ELECTRIC LINE	— OH — OH — OH —
EXISTING PAVEMENT AREA	▬
EXISTING TREE LINE	~~~~~

EROSION AND SEDIMENT CONTROL LEGEND:	
SILT FENCE	—●—●—●—●—
PERVIOUS ACCESS ROAD	▨
STABILIZED CONSTRUCTION ENTRANCE	▨
25' VEGETATIVE BUFFER	---
CLEAR AND GRUB AREA	---

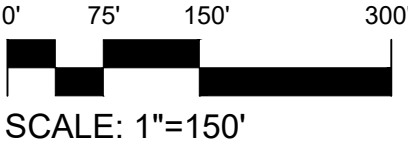
1
CVIII-101

EROSION AND SEDIMENT CONTROLS PLAN

SCALE: 1" = 150'


NORTH

#	KEY NOTES
1	PROVIDE SILT FENCE. ADJUST AS NEEDED AS LAND CLEARING PROGRESSES. TYP. SEE DETAIL 2/CVIII-301.
2	PROVIDE STABILIZED CONSTRUCTION ENTRANCE. SEE DETAIL 1/CVIII-301.
3	MAINTAIN 25' VEGETATED BUFFER WITH SELECTIVE CLEARING AT WETLAND BOUNDARIES AND STORMWATER, TYP.
4	CLEARING AND GRUBBING AREA, TYP.



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Drawing Title

EROSION AND SEDIMENT
CONTROLS PLAN

Drawing No.

CVIII-101

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Seal	Phase
	PLANNING BOARD
	Project No. 2020.261.001
Date	2020.10.13

Drawing Title

SITE PLAN

Drawing No.

CVIII-200



EXISTING CONDITIONS LEGEND:	
PROPERTY LINE	---
SETBACK LINE	---
EXISTING GROUND CONTOUR	---360---
WETLAND BOUNDARY	[Pattern]
EXISTING OVERHEAD ELECTRIC LINE	OH OH OH
EXISTING PAVEMENT AREA	[Pattern]

SITE PLAN LEGEND:	
UTILITY POLE	[Symbol]
OVERHEAD ELECTRIC LINE	OH
UNDERGROUND ELECTRIC LINE	U/E
SECURITY FENCE	X
25' VEGETATIVE BUFFER	[Pattern]
PHOTOVOLTAIC (PV) MODULE	[Pattern]
GRAVEL ACCESS ROAD	[Pattern]
STABILIZED CONSTRUCTION ENTRANCE	[Pattern]

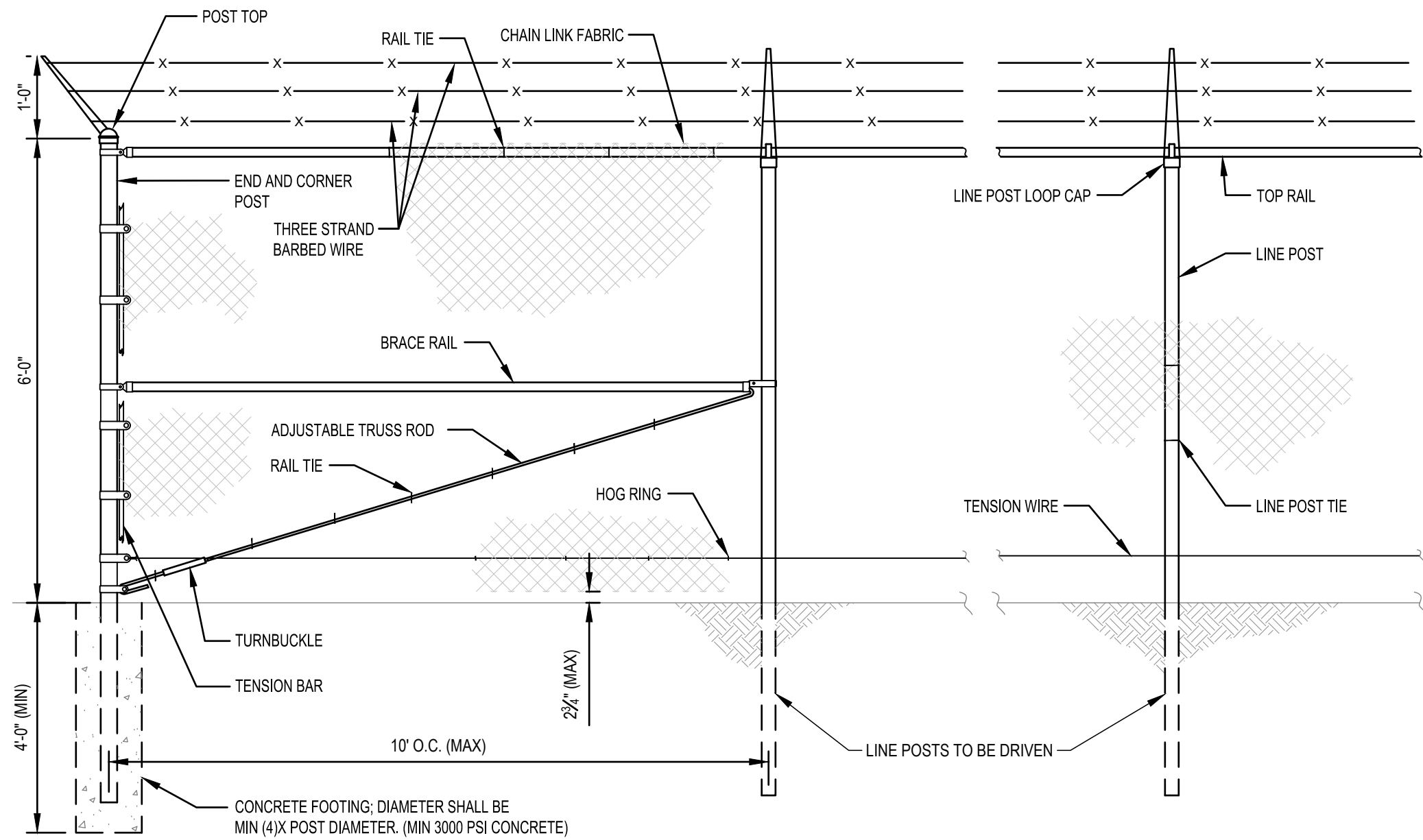
1 SITE PLAN
CVIII-200 SCALE: 1" = 150'



PARCEL ACREAGE: ±75 ACRES
PROJECT ACREAGE: ±37.7 ACRES
PROPOSED SOLAR: 19,223 PANELS

#	KEY NOTES
1	ADD NYSDOT #2 STONE AS REQUIRED TO STABILIZE EXISTING SITE ACCESS ROAD.
2	12' WIDE PERVIOUS ACCESS DRIVE. SEE DETAIL 3/CVIII-301.
3	UTILITY POLE. (CUSTOMER LOAD BREAK DISCONNECT, CUSTOMER RECLOSER, POLE MOUNTED UTILITY METER AND CUSTOMER RISER POLE) FINAL LOCATION SUBJECT TO CHANGE.
4	OVERHEAD ELECTRIC LINE. (FINAL LOCATION SUBJECT TO CHANGE)
5	6' HEIGHT CHAIN LINK SECURITY FENCE WITH 12" OF 3 - 3-STRAND BARBED WIRE. SEE DETAIL 1/CVIII-300.
6	DOUBLE SWING CHAIN LINK FENCE GATE. SEE DETAIL 2/CVIII-300.
7	PHOTOVOLTAIC (PV) MODULE, TYP.
8	PV INVERTER, TRANSFORMER, ENERGY STORAGE EQUIPMENT (IF APPLICABLE) AND NEUTRAL GROUND REACTOR EQUIPMENT SET ON CONCRETE PAD OR DRIVEN PILE FOUNDATION. SEE DETAIL 4/CVIII-300.
9	MAINTAIN A 25' SETBACK FROM WETLANDS.
10	MEDIUM VOLTAGE UNDERGROUND ELECTRIC LINE. (FINAL LOCATION SUBJECT TO CHANGE). SEE DETAIL 3/CVIII-300.
11	MINOR COMMERCIAL DRIVEWAY. SEE DETAIL 4/CVIII-301.
12	VIEW MITIGATION PLANTING. SEE DETAIL 6/CVIII-301.

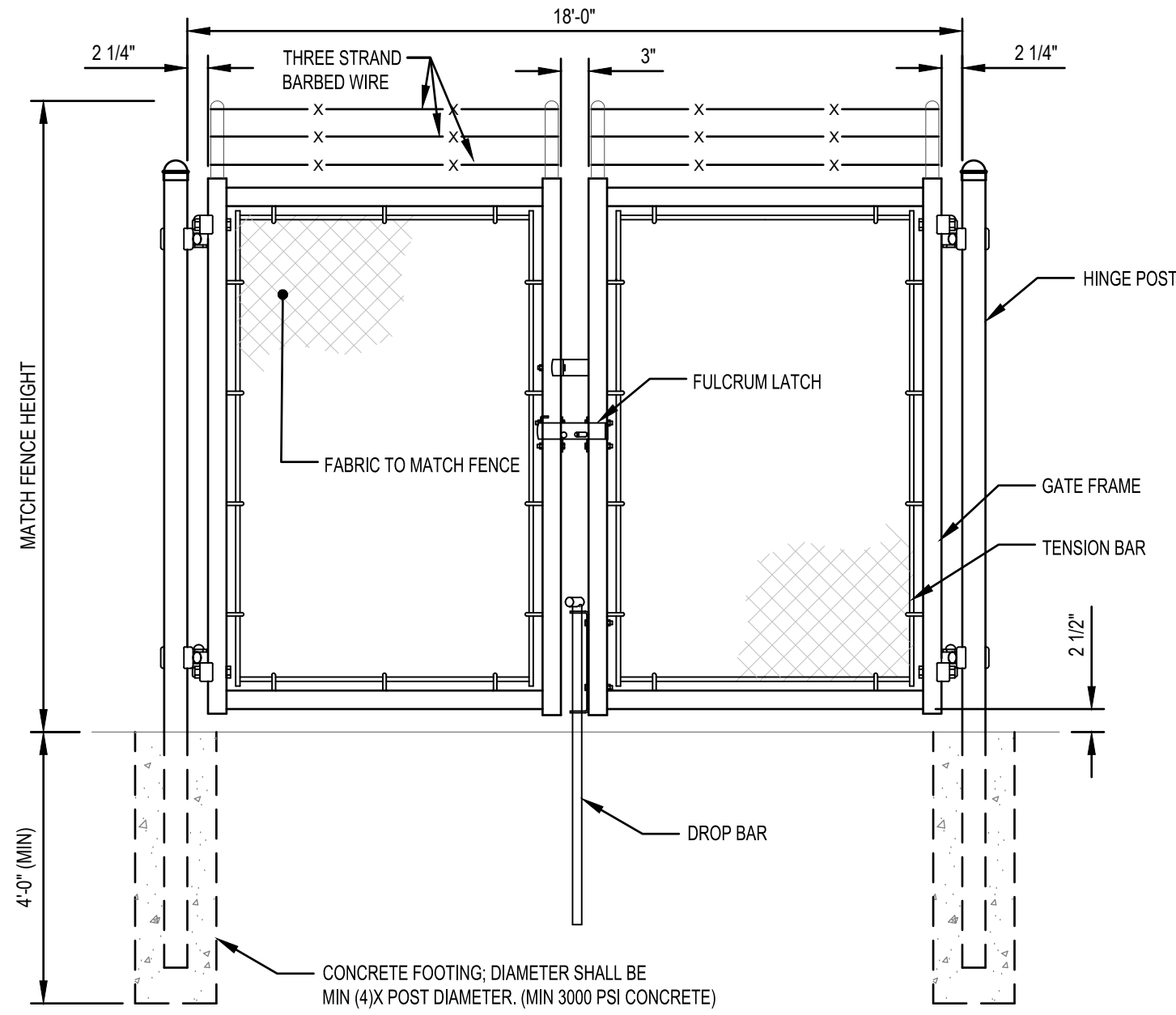
0' 75' 150' 300'
SCALE: 1"=150'



NOTE:

1. ONLY EXTERIOR CHAIN LINK FENCE LINES INCORPORATE THREE (3) LINE BARBED WIRE.

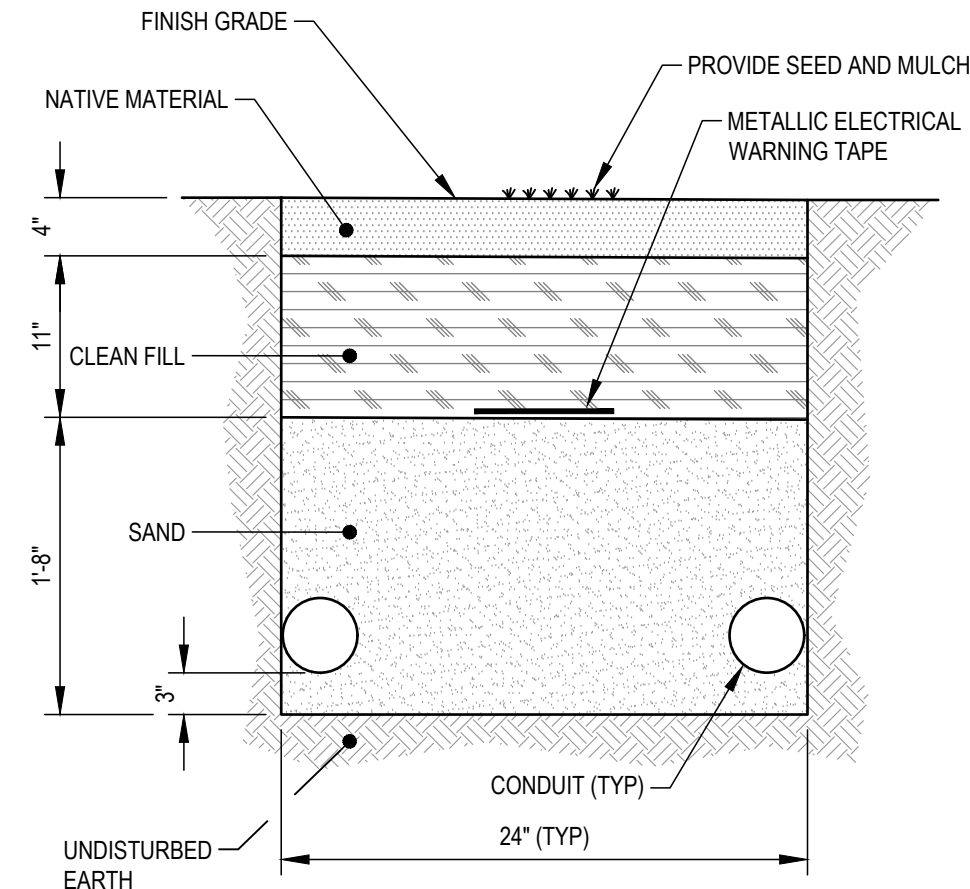
1 CHAIN LINK FENCE DETAIL
CVIII-300 SCALE: NONE



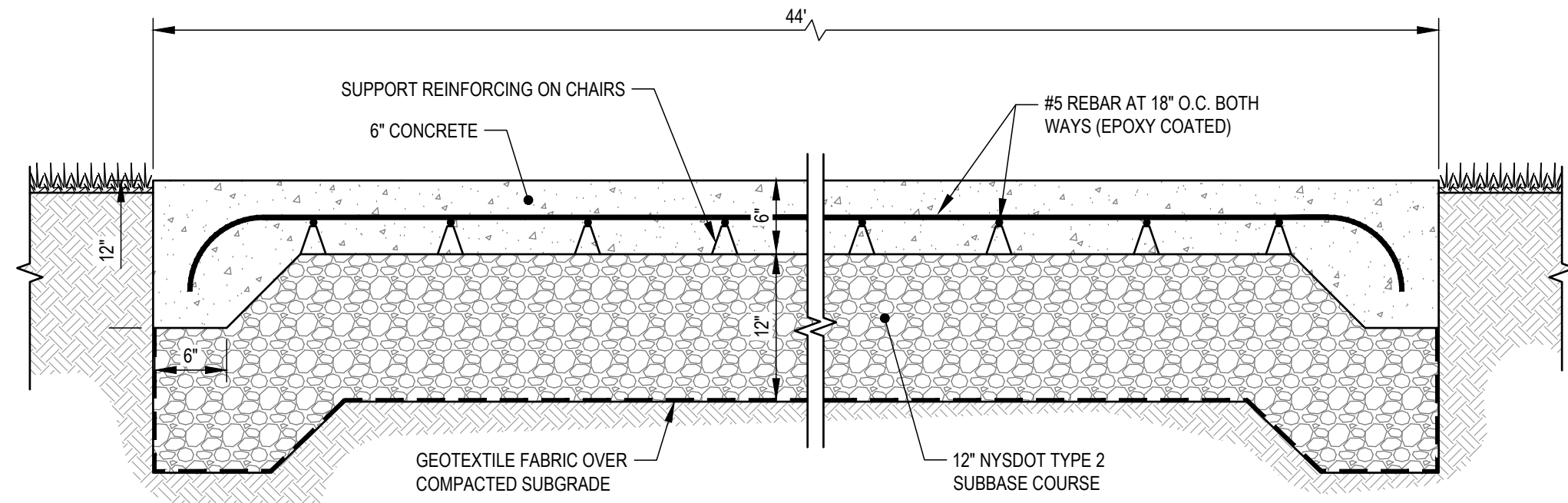
NOTE:

1. ONLY EXTERIOR CHAIN LINK FENCE GATES INCORPORATE THREE (3) LINE BARBED WIRE.

2 DOUBLE CHAIN LINK FENCE GATE DETAIL
CVIII-300 SCALE: NONE



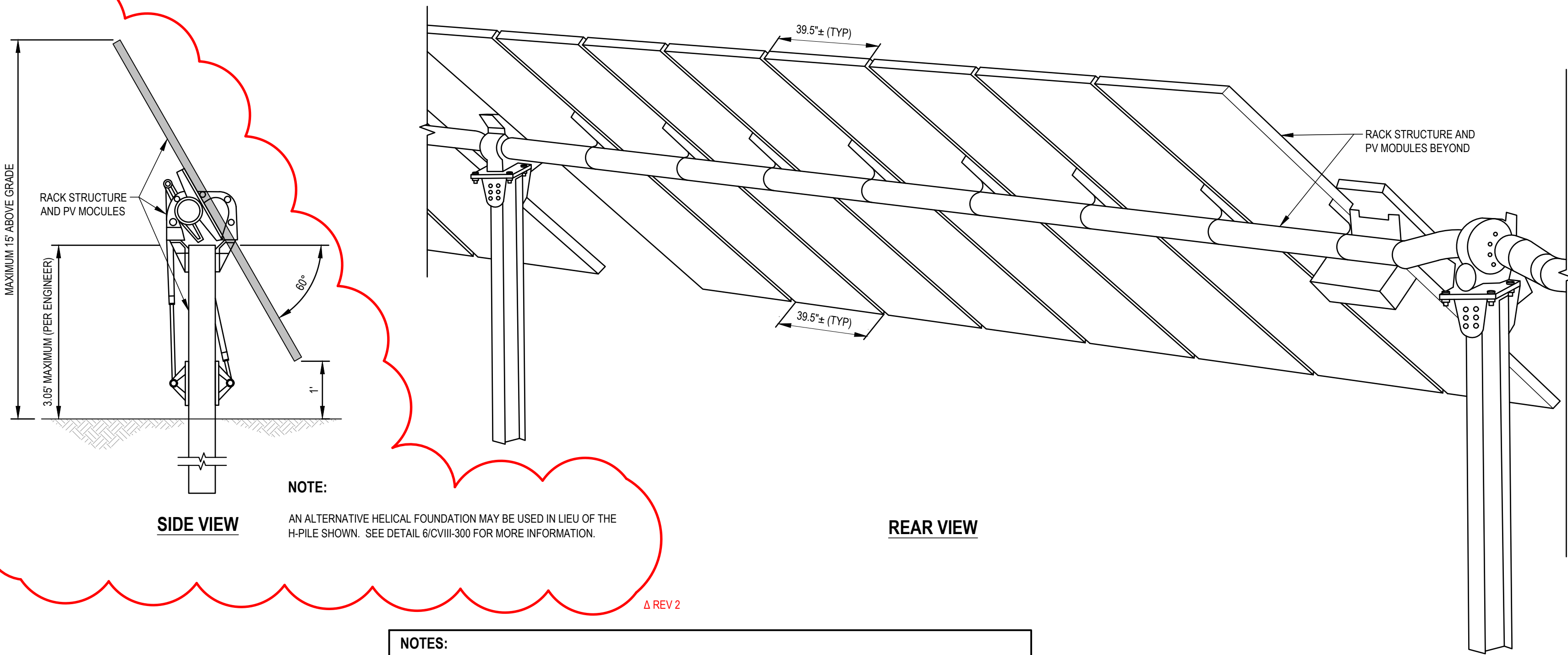
3 MEDIUM VOLTAGE CABLE TRENCH DETAIL (MV)
CVIII-300 SCALE: NONE



NOTE:

1. DRIVEN PILE FOUNDATIONS MAY BE USED IN LIEU OF CONCRETE EQUIPMENT PADS AS SHOWN.

5 THICKENED EDGE 6" THICK CONCRETE PAD DETAIL
CVIII-300 SCALE: NONE



NOTE:

AN ALTERNATIVE HELICAL FOUNDATION MAY BE USED IN LIEU OF THE H-PILE SHOWN. SEE DETAIL 6/CVIII-300 FOR MORE INFORMATION.

NOTES:

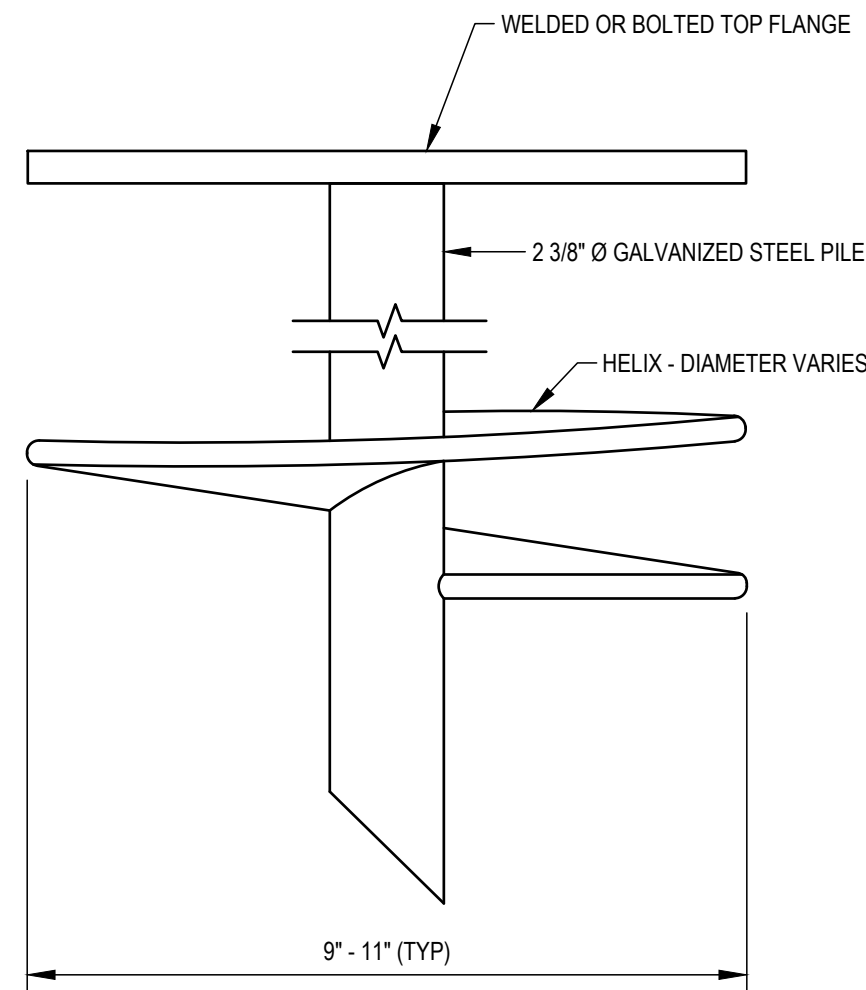
1. RACK STRUCTURE AND PV MODULES SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY. ACTUAL COMPONENTS MAY VARY.

2. DIMENSIONS SHOWN ARE BASED ON A 25-DEGREE (MINIMUM) SLANT ANGLE AND MAY VARY SLIGHTLY.

3. ARRAY ROW SPACING MUST ALWAYS BE EQUAL TO OR GREATER THAN ARRAY HORIZONTAL COVERAGE.

4. SUPPORTS VARY BASED ON SITE SOIL CONDITIONS AND TYPICALLY VARY IN EMBEDMENT LEGNTHS FROM 4'-0" TO 7'-0"

4 SOLAR RACKING DETAIL
CVIII-300 SCALE: NONE



6 ALTERNATIVE HELIX FOUNDATION DETAIL
CVIII-300 SCALE: NONE



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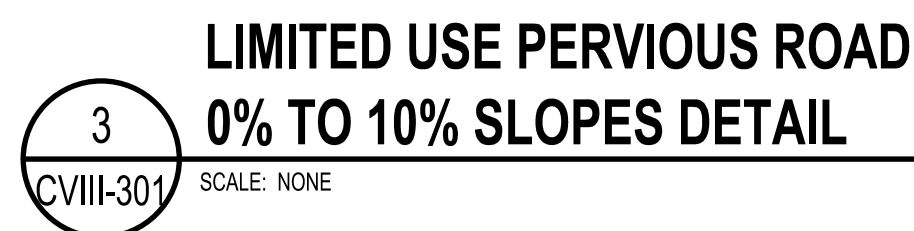
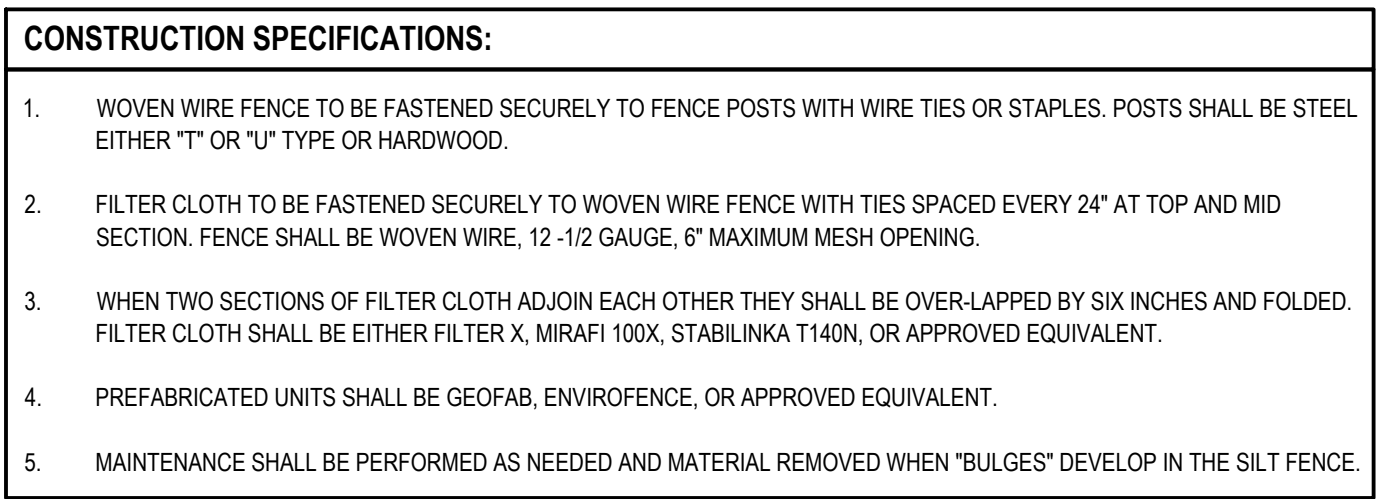
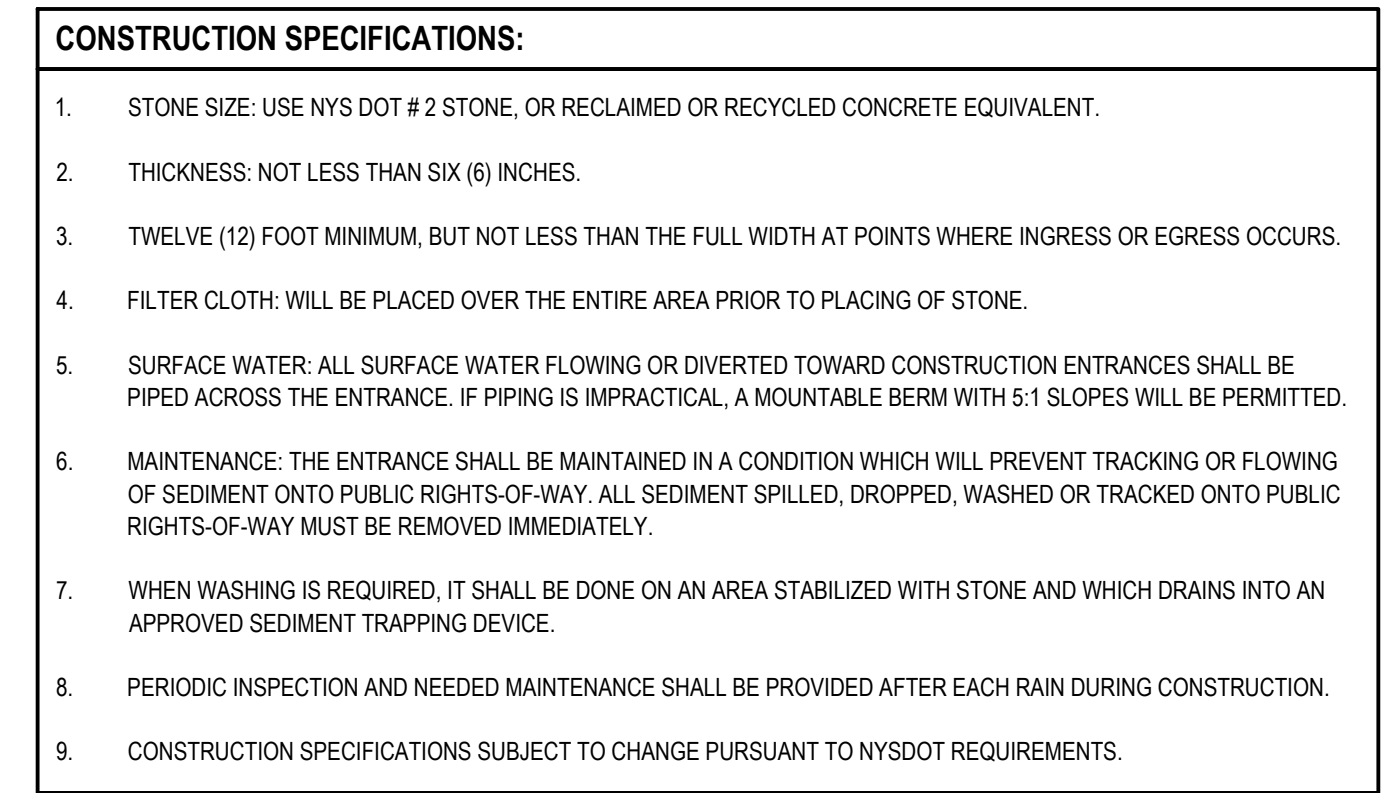
Seal	Phase	PLANNING BOARD
	Project No.	2020.261.001
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	Date	2020.10.13

Drawing Title

DETAILS

Drawing No.

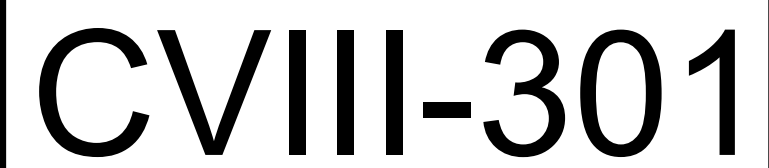
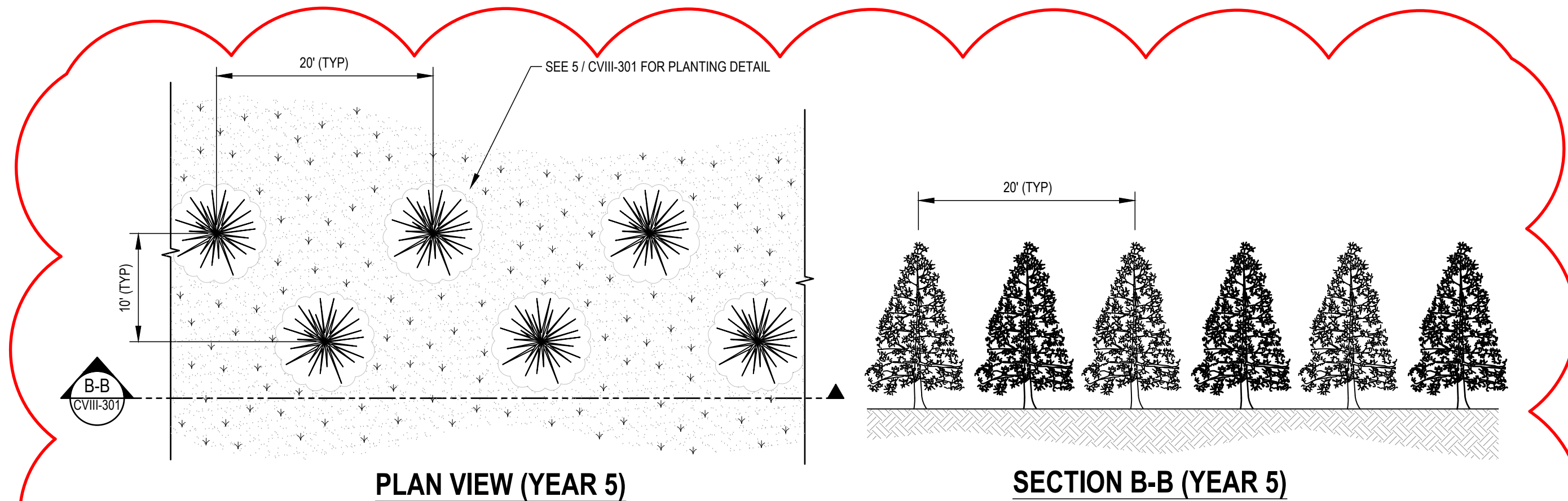
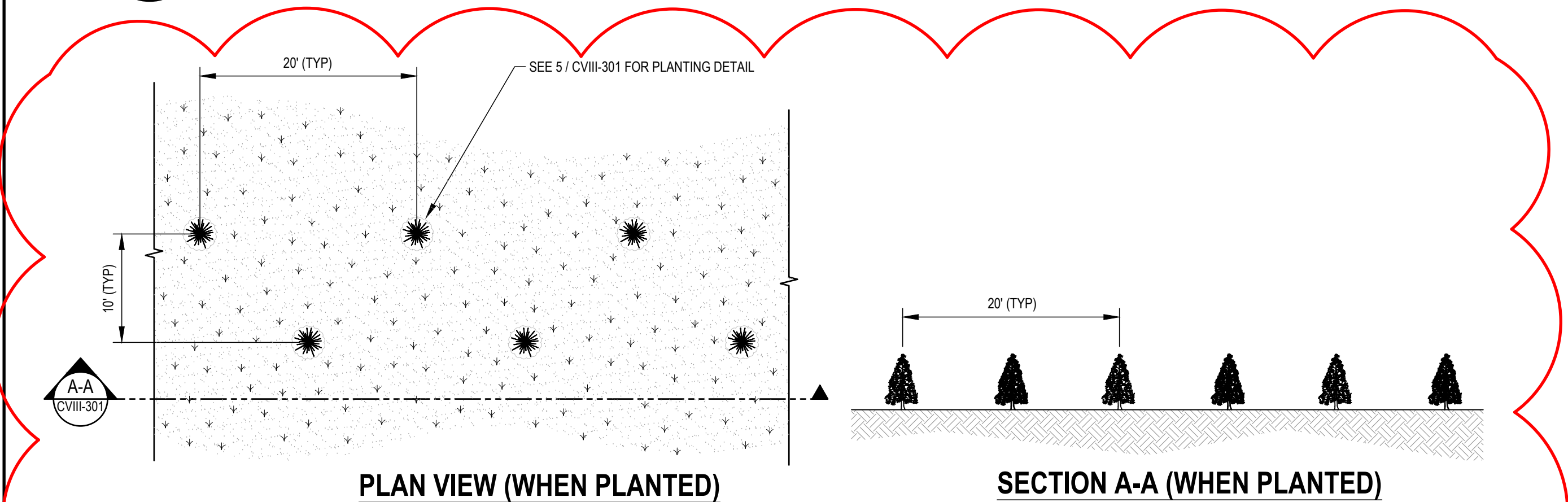
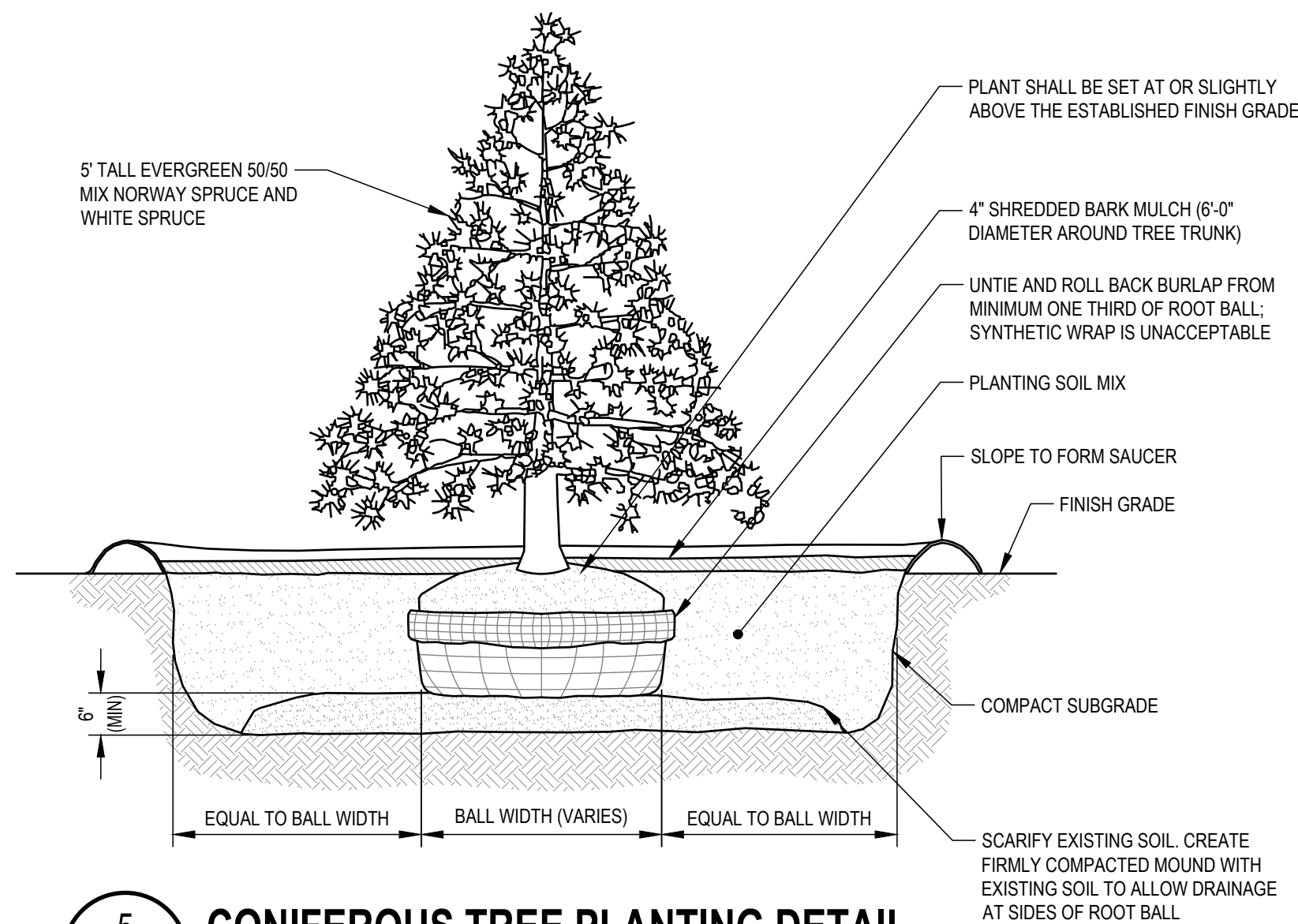
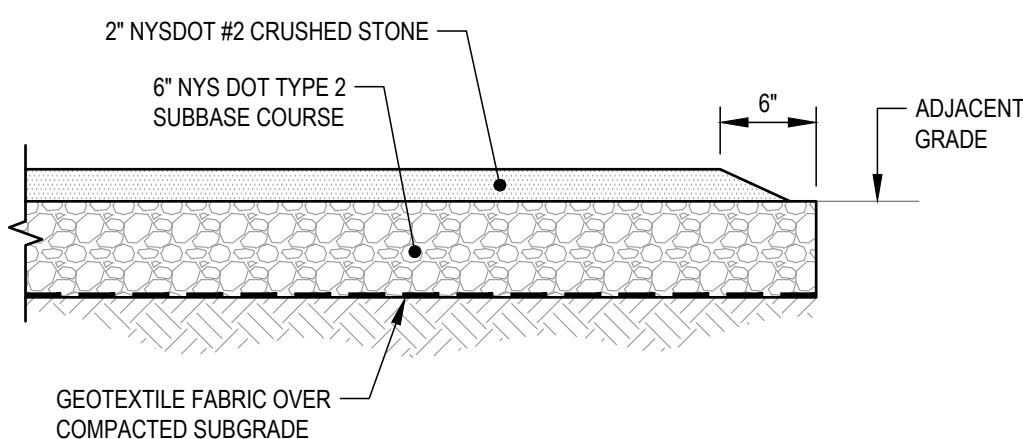
CVIII-300



- | GENERAL NOTES: | |
|----------------|--|
| 1. | LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE. |
| 2. | REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL. |
| 3. | REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE INSTIU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE. |
| 4. | GRADE ROADWAY WHERE NECESSARY TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED. |
| 5. | REMOVE UNSUITABLE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE. |
| 6. | 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 ROAD IS COMPLETED DURING THE INITIAL PHASES OF CONSTRUCTION A STANDARD NEW YORK STATE STABILIZED CONSTRUCTION ACCESS SHALL BE CONSTRUCTED AND UTILIZED TO REMOVE SEDIMENT FROM CONSTRUCTION VEHICLES. SEDIMENT PRIOR TO THE LIMITED USE PERVIOUS ACCESS ROAD FROM ANY LOCATION ON OR OFFSITE. MAINTENANCE OF THE PERVIOUS ACCESS ROAD WILL BE REQUIRED IF SEDIMENT IS OBSERVED WITHIN THE CLEAN STATE. |
| 7. | THE LIMITED USE PERVIOUS ACCESS ROAD SHALL NOT BE CONSTRUCTED OR USED UNTIL ALL AREAS WHERE UPGRADED SOIL DISTURBANCES (E.G. CLEARING AND GRUBBING, GRADING, ETC) HAVE ACHIEVED FINAL STABILIZATION. |

- | GEOGRID MATERIAL NOTES (0-10% SLOPES); | |
|---|---|
| 1. | 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. |
| 2. | GEOGRID SHALL BE MIRAFI BxG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES. |
| 3. | IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES. |
| 4. | REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS. |
| 5. | LIMITED USE PERVIOUS ACCESS ROAD SHALL BE TOP DRESSED AS REQUIRED WITH ONLY 1-4" CRUSHED STONE MEETING NYSDOT ITEM 703-02 SPECIFICATIONS |

- WOVEN GEOTEXTILE MATERIAL NOTES (POORLY DRAINED SOILS) :**
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.
- 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



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 1 is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: SSC Cortlandville III LLC		
Project Location (describe, and attach a general location map): 4240 Bell Crest Dr., Cortlandville, NY 13045		
Brief Description of Proposed Action (include purpose or need): Installation of a ground mounted solar facility. Project includes construction of solar arrays, transformers, inverters, stored energy system, access roads, utility poles and a perimeter security fence. The facility is a 5.0 MW AC solar facility and consists of 19,223 panels.		
Name of Applicant/Sponsor: SSC Cortlandville III LLC		Telephone: 480.252.5496
		E-Mail: david@summitsolarcapital.com
Address: 525 S. Flagler Dr.		
City/PO: West Palm Beach	State: FL	Zip Code: 33401
Project Contact (if not same as sponsor; give name and title/role): David Spotts		Telephone: 480.252.5496
		E-Mail: david@summitsolarcapital.com
Address: 525 S. Flagler Dr.		
City/PO: West Palm Beach	State: FL	Zip Code: 33401
Property Owner (if not same as sponsor): Lawrence Hill		Telephone: 607.745.0721
		E-Mail: evergreenhills69@gmail.com
Address: 4000 Ellwood Rd.,		
City/PO: Cincinnati	State: NY	Zip Code: 13040

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, <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No or Village Board of Trustees	Aquifer Protection District Special Permit and Highway Permit	
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Site plan review and approval, Conditional Permit, Subdivision Approval	August, 2020
c. City, Town or Village Zoning Board of Appeals <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cortland County Industrial Development Agency	September 2020
e. County agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSERDA, DEC	Fall, 2021
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
i. Coastal Resources.		
i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
iii. Is the project site within a Coastal Erosion Hazard Area?		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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):

Aquifer Protection District

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?

Parcel is zoned Agricultural

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

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☒ No

If Yes,

i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

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

b. What police or other public protection forces serve the project site?

New York State Police, Cortland County Sheriff

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

Cortlandville Fire Department

d. What parks serve the project site?

N/A

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Commercial solar energy production

b. a. Total acreage of the site of the proposed action? +/- 37.7 acres

b. Total acreage to be physically disturbed? +/-16.2 acres

c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? +/- 75 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)
Commercial

ii. Is a cluster/conservation layout proposed? ☐ Yes ☒ No

iii. Number of lots proposed? 3

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: 4 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, show numbers of units proposed.				
	<u>One Family</u>	<u>Two Family</u>	<u>Three Family</u>	<u>Multiple Family (four or more)</u>
Initial Phase	_____	_____	_____	_____
At completion	_____	_____	_____	_____
of all phases	_____	_____	_____	_____

g. Does the proposed action include new non-residential construction (including expansions)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes,	
i. Total number of structures <u>19,223 panels</u> ii. Dimensions (in feet) of largest proposed structure: <u>App. 5'</u> height; <u>App. 4'</u> width; and <u>App. 6'</u> length iii. Approximate extent of building space to be heated or cooled: _____ <u>0</u> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes,	
i. Purpose of the impoundment: _____ ii. If a water impoundment, the principal source of the water: <input type="checkbox"/> Ground water <input type="checkbox"/> Surface water streams <input type="checkbox"/> 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? (Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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: _____ 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

<ul style="list-style-type: none"> • Do existing sewer lines serve the project site? _____ • Will a line extension within an existing district be necessary to serve the project? _____ <p>If Yes:</p> <ul style="list-style-type: none"> • Describe extensions or capacity expansions proposed to serve this project: _____ _____ _____ 	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
<p>iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____</p> <p>If Yes:</p> <ul style="list-style-type: none"> • Applicant/sponsor for new district: _____ • Date application submitted or anticipated: _____ • What is the receiving water for the wastewater discharge? _____ 	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<p>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): _____ _____ _____</p>		
<p>vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____ _____ _____</p>		
<p>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? _____</p> <p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel? _____ Square feet or _____ 0.1 acres (impervious surface) _____ Square feet or _____ +/- 38 acres (parcel size)</p> <p>ii. Describe types of new point sources. <u>Storm water sheet flows across the property and will continue to do so, in the same drainage patterns post-construction as compared to existing drainage patterns.</u></p> <p>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)? <u>Stormwater runoff will be maintained along current drainage flow paths towards naturally occurring conveyance systems.</u></p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ Tributary to unnamed stream • Will stormwater runoff flow to adjacent properties? _____ 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<p>iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<p>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? _____</p> <p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles) _____</p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers) _____</p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation) _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<p>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? _____</p> <p>If Yes:</p> <p>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) _____</p> <p>ii. In addition to emissions as calculated in the application, the project will generate:</p> <ul style="list-style-type: none"> • _____ Tons/year (short tons) of Carbon Dioxide (CO₂) • _____ Tons/year (short tons) of Nitrous Oxide (N₂O) • _____ Tons/year (short tons) of Perfluorocarbons (PFCs) • _____ Tons/year (short tons) of Sulfur Hexafluoride (SF₆) • _____ Tons/year (short tons) of Carbon Dioxide equivalent of Hydrofluorocarbons (HFCs) • _____ Tons/year (short tons) of Hazardous Air Pollutants (HAPs) 		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

<p>h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Estimate methane generation in tons/year (metric): _____</p> <p style="margin-left: 20px;">ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____</p>			
<p>i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust): _____</p>			
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. When is the peak traffic expected (Check all that apply): <input type="checkbox"/> Morning <input type="checkbox"/> Evening <input type="checkbox"/> Weekend <input type="checkbox"/> Randomly between hours of _____ to _____.</p> <p style="margin-left: 20px;">ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____</p> <p style="margin-left: 20px;">iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p style="margin-left: 20px;">iv. Does the proposed action include any shared use parking? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p style="margin-left: 20px;">vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">vii. Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p style="margin-left: 20px;">ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other): _____</p> <p style="margin-left: 20px;">iii. Will the proposed action require a new, or an upgrade, to an existing substation? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>			
<p>l. Hours of operation. Answer all items which apply.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 6:00AM - 7:00PM • Saturday: _____ 7:00AM - 5:00PM • Sunday: _____ • Holidays: _____ </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24-hr/day (equipment only) • Saturday: _____ 24-hr/day (equipment only) • Sunday: _____ 24-hr/day (equipment only) • Holidays: _____ 24-hr/day (equipment only) </td> </tr> </table>		<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 6:00AM - 7:00PM • Saturday: _____ 7:00AM - 5:00PM • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24-hr/day (equipment only) • Saturday: _____ 24-hr/day (equipment only) • Sunday: _____ 24-hr/day (equipment only) • Holidays: _____ 24-hr/day (equipment only)
<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 6:00AM - 7:00PM • Saturday: _____ 7:00AM - 5:00PM • Sunday: _____ • Holidays: _____ 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 24-hr/day (equipment only) • Saturday: _____ 24-hr/day (equipment only) • Sunday: _____ 24-hr/day (equipment only) • Holidays: _____ 24-hr/day (equipment only) 		

<p>m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If yes:</p> <p>i. Provide details including sources, time of day and duration:</p> <p style="margin-left: 20px;">Pile driving activities will produce higher than ambient noise but will only be present at the initial phase of construction and last for 3-4 weeks during regular work hours. During the post-construction operations phase no audible noise above ambient noise levels will be recognized.</p> <p>ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">Describe: The proposed project also involves the installation of vegetation which will further buffer any post-construction noise from neighboring residences.</p>	
<p>n. Will the proposed action have outdoor lighting? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes:</p> <p>i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:</p> <p>_____</p> <p>ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">Describe: _____</p>	
<p>o. Does the proposed action have the potential to produce odors for more than one hour per day? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p style="margin-left: 20px;">If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____</p> <p>_____</p>	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Product(s) to be stored _____</p> <p>ii. Volume(s) _____ per unit time _____ (e.g., month, year)</p> <p>iii. Generally, describe the proposed storage facilities: _____</p>	
<p>q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe proposed treatment(s):</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	
<p>r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>If Yes:</p> <p>i. Describe any solid waste(s) to be generated during construction or operation of the facility:</p> <ul style="list-style-type: none"> • Construction: _____ 8 tons per _____ month (unit of time) • Operation : _____ 0 tons per _____ (unit of time) <p>ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:</p> <ul style="list-style-type: none"> • Construction: Contractor to work with local facility to recycle materials where applicable and reasonable • Operation: No solid waste will be generated during the operational phase of the facility <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: Disposal will be at an approved landfill • Operation: No solid waste will be generated during the operational phase of the facility 	<div style="border: 1px solid red; padding: 5px; margin: 10px auto; width: fit-content;"> <p>32 total tons of solid waste will be generated.</p> </div>

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:
No hazardous waste will be used or generated at the site. _____

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:
The property is generally bounded by residential on the east, forest to the west, and a mix of woods/forest/residential/agricultural to the north and south.

b. Land uses and coverytypes on the project site.

Land use or Coverytype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0.2	0.3	+0.1
• Forested	11	11	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	26.4	26.3	+0.1
• Agricultural (includes active orchards, field, greenhouse etc.)	-	-	-
• Surface water features (lakes, ponds, streams, rivers, etc.)	-	-	-
• Wetlands (freshwater or tidal)	0.4	0.4	0
• Non-vegetated (bare rock, earth or fill)	-	-	-
• Other Describe: _____			

<p>c. Is the project site presently used by members of the community for public recreation? <i>i. If Yes: explain:</i> _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>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? If Yes, <i>i. Identify Facilities:</i> Madison Cortland ARC, Cayuga Medial Associates PC, Family Medicine Center, Cortland Christian Academy _____</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<p>e. Does the project site contain an existing dam? If Yes: <i>i. Dimensions of the dam and impoundment:</i> <ul style="list-style-type: none"> • Dam height: _____ feet • Dam length: _____ feet • Surface area: _____ acres • Volume impounded: _____ gallons OR acre-feet <i>ii. Dam's existing hazard classification:</i> _____ <i>iii. Provide date and summarize results of last inspection:</i> _____ _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>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? If Yes: <i>i. Has the facility been formally closed?</i> <ul style="list-style-type: none"> • If yes, cite sources/documentation: _____ <i>ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:</i> _____ _____ <i>iii. Describe any development constraints due to the prior solid waste activities:</i> _____ _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
<p>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? If Yes: <i>i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:</i> _____ _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>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? If Yes: <i>i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply:</i> <input type="checkbox"/> Yes – Spills Incidents database Provide DEC ID number(s): _____ <input type="checkbox"/> Yes – Environmental Site Remediation database Provide DEC ID number(s): _____ <input type="checkbox"/> Neither database <i>ii. If site has been subject of RCRA corrective activities, describe control measures:</i> _____ _____ _____ <i>iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database?</i> If yes, provide DEC ID number(s): _____ <i>iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):</i> _____ _____</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No

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? _____ 2-4 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☒ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ 0 %

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

Lordstown-Arnot complex	38.2 %
Mardin channery silt loam	19.1 %
Erie silt loam	17.6 %

d. What is the average depth to the water table on the project site? Average: _____ 2-6' feet

e. Drainage status of project site soils: ☐ Well Drained: _____ 46.8 % of site
☒ Moderately Well Drained: _____ 33.5 % of site
☐ Poorly Drained _____ 19.7 % of site

f. Approximate proportion of proposed action site with slopes: ☐ 0-10%: _____ 77.5 % of site
☐ 10-15%: _____ 20.8 % of site
☐ 15% or greater: _____ 1.7 % 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 Unidentified wetland area neither state or fed Approximate Size 0.4 ac
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☒ No
If yes, name of impaired water body/bodies and basis for listing as impaired: _____

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

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

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

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☒ Yes ☐ No
If Yes:
i. Name of aquifer: Principal Aquifer, Primary Aquifer, Sole Source Aquifer Names: Cortland Homer Preble SSA

<p>m. Identify the predominant wildlife species that occupy or use the project site: _____</p> <p>_____</p> <p>_____</p>	
<p>n. Does the project site contain a designated significant natural community? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Describe the habitat/community (composition, function, and basis for designation): _____</p> <p style="margin-left: 20px;">ii. Source(s) of description or evaluation: _____</p> <p style="margin-left: 20px;">iii. Extent of community/habitat:</p> <ul style="list-style-type: none"> • Currently: _____ acres • Following completion of project as proposed: _____ acres • Gain or loss (indicate + or -): _____ acres 	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing (endangered or threatened): _____</p> <p>_____</p> <p>_____</p>	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Species and listing: _____</p> <p>_____</p>	
<p>q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If yes, give a brief description of how the proposed action may affect that use: _____</p> <p>_____</p>	
<p>E.3. Designated Public Resources On or Near Project Site</p>	
<p>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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes, provide county plus district name/number: _____</p>	
<p>b. Are agricultural lands consisting of highly productive soils present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No</p> <p style="margin-left: 20px;">i. If Yes: acreage(s) on project site? +/- 19.5 acres within the project limits _____</p> <p style="margin-left: 20px;">ii. Source(s) of soil rating(s): <u>USDA</u> _____</p>	
<p>c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature</p> <p style="margin-left: 20px;">ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____</p> <p>_____</p> <p>_____</p>	
<p>d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> <p>If Yes:</p> <p style="margin-left: 20px;">i. CEA name: _____</p> <p style="margin-left: 20px;">ii. Basis for designation: _____</p> <p style="margin-left: 20px;">iii. Designating agency and date: _____</p>	

October 13, 2020

Mr. Patrick M. Snyder, Esq
70 Port Watson Street
Cortland, NY 13045

RE: SSC Cortlandville II LLC and SSC Cortlandville III LLC
Delta Project No.: 2020.260.001 and 2020.261.001

Dear Attorney Snyder:

Please accept this letter in response to your comments transmitted to David Spotts in your October 12, 2020 email to him.

Comment #1: *I would suggest that you add the number of solar panels and MW rating into the project description at the beginning.*

Response: The number of solar panels and MW rating of the facility has been added to the project description in the FEAF.

Comment #2: *Under project details, I think you should let us know what DEC guidelines you are referring to that would allow you to conclude that there is only 6.9 acres of physical disturbance involved with this project.*

Response: In recognition that the Town of Cortlandville has deemed the solar development site as a physical disturbance under SEQR, the applicant concedes this line item to the solar site area coverage comprised of roads, trenches, areas of clearing and grubbing, equipment pads, and solar arrays. This change will be made to the FEAF's for SSC Cortlandville II and SSC Cortlandville III sites.

Comment #3: *Under land uses, are you considering all of the area used for solar panels to be meadows, grasslands or brushlands? That seems hard to justify to me. It would seem that the acreages described in these 2 responses are not consistent.*

Response: The site is defined as the area generally within the limits of the site security fence. Not all of the land within the site or under solar panels is currently considered meadows, grasslands, or brushlands. The FEAF for Cortlandville II identifies 5.7 acres of the site as forested.

We appreciate the opportunity to submit this information and look forward to your feedback.

Respectfully,

DELTA ENGINEERS, ARCHITECTS, LAND SURVEYORS, & LANDSCAPE ARCHITECTS, DPC



W. Curtis Nichols, PE, LEED-AP
Sr. Project Manager



**Parks, Recreation
and Historic Preservation**

ANDREW M. CUOMO
Governor

ERIK KULLESEID
Commissioner

August 4, 2020

John L. France
Summit Solar Capital
40 Harrison Street, Suite 10B
New York, NY 10013
(via email only)

Re: NYS DEC
SSC Cortlandville III Solar/5MW/37 Acres
Cortlandville, Cortland County
20PR03656

Dear Mr. France:

Thank you for requesting the comments of the Office of Parks, Recreation and Historic Preservation's Division for 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 Division 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 OPRHP's opinion that your project will have No Adverse Impact upon historic or archaeological resources in or eligible for inclusion in the State and National Register of Historic Places. Our determination is based upon a condition that additional mixed vegetative screening installed at the southeast corner of the project to better screen the array from St. May's Cemetery.

I am also including our Division's Guidance for Cultural Resources Survey relating solar project development in New York State. Please consult this material when submitting future projects for review to our office.

If I can be of any further assistance, I can be reached at john.bonafide@parks.ny.gov or (518) 268-2166.

Sincerely,

John A. Bonafide
Director,
Technical Preservation Services Bureau
Agency Historic Preservation Officer

Att: Guidelines for Solar Facility Development Cultural Resources Survey Work



633 Rt. 211 East, Suite 4, Box 4
Middletown, NY 10941
Office: (845) 495-0123 • Fax: (866) 688-0836

July 10, 2020

Mr. John L. France
40 Harrison Street
Suite 10B
New York, NY 10013

RE: Wetlands Report
Cortlandville III
SBL: 86.00-02-01.100 (partial)
Town of Cortlandville, Cortland County

Dear Mr. France,

On 7 July, 2020, a wetland delineation was conducted by Ecological Analysis (EA) staff as requested on the above referenced site. The property was walked and a field investigation was completed to determine whether there were any areas that would be within the jurisdiction of either the United States Army Corps of Engineers (USACE) and/or the New York State Department of Environmental Conservation (NYSDEC) for federally- or state-regulated wetlands.

Before conducting the field investigation, EA reviewed related aerial, soils, and wetland online remote mapping resources for the parcel. These independent mapping resources were used to identify the probable presence and approximate location of any possible wetland features on the property. This information was used to indicate any areas of the parcel where we should verify whether or not the field conditions match, or are dissimilar, from the related mapped features across the entire designated site.

As shown on the attached United States Fish and Wildlife Service (USFWS) National Wetlands Inventory (NWI) map, there were no federal wetlands located by remote sensing on this property.

Similarly, the attached NYSDEC Environmental Resources Mapper output for the area locates no state wetlands in or near the property. This state wetlands mapper program locates the nearest known state wetland at approximately 2.1 miles to the northeast of this property.

EA's field investigations for onsite wetlands are conducted in accordance to the 2012 Interim Northcentral and Northeast Regional Supplement to the USACE 1987 Wetlands Delineation Manual and, if appropriate, in accordance with the NYSDEC 1995 Freshwater Wetlands Delineation Manual. The upland and wetland areas on the property are determined by observing the vegetation types, soil types, and hydrological conditions in accordance with the USACE field investigation guidelines. Any wetland area meeting the conditions set forth by the agencies is then flagged on its edge with pink "Wetland Delineation" flags that are numbered sequentially, and a field map representing this work is emailed to the client (or their representative) to aid any subsequent surveying of the regulated wetlands lines.

During the course of our field investigation we were able to confirm that there were no federal or state wetland areas on the parcel. We did observe that, within an area of the site that is a shallow depression, and that is mapped with hydric soils (Chippewa silt loams) on the NRCS Soils Survey map (see attachments), there was an on-going excavation of an apparent water retention basin. This basin is an engineered water control structure and, as such, is not a regulated wetland feature by either the Federal or the State wetland regulatory agencies.

As there were no regulated wetland areas observed on the property, no USACE Wetland Delineation Forms were filled out for this property.

A set of USACE Delineation Forms was filled out for a representative upland area of the site. These areas were almost entirely in use as active agricultural fields planted with soybeans. Bordering the fields were areas of rock walls and hedgerows of mature trees and associated understory vegetation dominated by bush honeysuckles, various brambles (*Rubus* spp.), and multiflora rose.

Wetland/Upland Vegetation

Wetland vegetation was present within the newly established retention basin on the site, but that vegetation was sparse. Species observed included predominantly water plantains and broadleaf cattails (See photographs). This basin has been excavated in the area of a previously constructed, smaller, water retention basin which, based on Google Earth imagery, had been constructed between 2011 and 2013.



PHOTO 1 - Water plantains within basin.



PHOTO 2 - Broadleaf cattails within basin.

The upland areas across the property have been farmed lands historically. At present, during our visit, the fields were planted in a crop of soybeans. Adventitious plants observed along and within the areas of planted fields included numerous common weeds of agricultural fields, including: horsenettle, common sowthistle, redroot amaranth, lambsquarters, horseweed, and shepherd's purse. All of these species listed are consistent with communities of vegetation that may typically be found in cleared or cultivated upland areas.

Wetland/Upland Soils

Both the Cortland County Soil Survey and the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS) online web soil surveys were reviewed to verify if there were any potential hydric (wetland) soils on the property. A copy of the USDA soil report for the property is included for your use. The major soil map units as shown on the attached NRCS map include both hydric (wetland) and non-hydric (upland) soils. The one hydric soil that is on site is mapped as 77A- (Chippewa silt loams on 0-3 percent slopes). On-site soils classified as non-hydric include mapped units of: 63B (Mardin channery silt loams, on 3-8 percent slopes), 63C (Mardin channery silt loams, on 8-15 percent slopes), 69B (Erie silt loams, on 2-8 percent slopes), 179B (Lordstown-Arnot complexes, on 3-8 percent slopes), and 179C (Lordstown channery silt loams, on 8-15 percent slopes).

As discussed previously, a large excavated basin, visually estimated at more than 2 acres in extent, is present in the area of the site where hydric soils were remotely mapped by the USDA/NRCS.

The several upland soils shown remotely mapped on the property by the USDA/NRCS are primarily channery and/or silty loams. These are typically well drained soils that occur on level to slightly sloping grades and they do not maintain proper hydrology to be wetland soils as they dry out during the growing season.

Wetlands Hydrology

Hydrology to the site is provided by direct rainfall and indirect runoff or groundwater seeps from adjacent higher terrains. Our field visit documented the absence of any wetland features that would be subject to either Federal or State regulations.

Conclusions

NYSDEC regulated wetlands

There are no NYSDEC regulated wetlands on or near the property.

USACE regulated wetlands

There are no USACE regulated wetlands on or near the property.

Ecological Analysis is grateful for this opportunity to be of service on this project and looks forward to the opportunity to work with you in the future. Feel free to call if you have any questions or if we can be of further assistance.

Sincerely yours,

Bruce R. Friedmann

Bruce R. Friedmann
Senior Environmental Scientist
Ecological Analysis, LLC

Attachments:

USACE Upland data sheets
USFWS National Wetlands Inventory Map
NYSDEC Environmental Resource Map (TOPO/aerial)
USDA/NRCS Soil Survey Map and soils descriptions

WETLAND DETERMINATION DATA FORM - Northcentral and Northeast Region

Project/Site: Cortlandville III

City/County: Cortlandville/Cortland County

Sampling Date: 07-Jul-20

Applicant/Owner: Summit Solar

State: NY

Sampling Point:

Upland

Investigator(s): Bruce Friedman

Section, Township, Range: S.

T.

R.

Landform (hillslope, terrace, etc.): Undulating

Local relief (concave, convex, none): undulating

Slope: 5.0 % / 2.9

Subregion (LRR or MLRA): LRR R

Lat.: 42.60930

Long.: 76.20432

Datum: WGS 84

Soil Map Unit Name: 179B Lordstown-Arnot complex

NWI classification: Upland

Are climatic/hydrologic conditions on the site typical for this time of year? Yes ☒ No ☐ (If no, explain in Remarks.)

Are Vegetation ☒ , Soil ☒ , or Hydrology ☐ significantly disturbed? Are "Normal Circumstances" present? Yes ☒ No ☐

Are Vegetation ☐ , Soil ☐ , or Hydrology ☐ naturally problematic? (If needed, explain any answers in Remarks.)

Summary of Findings - Attach site map showing sampling point locations, transects, important features, et

Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	Is the Sampled Area within a Wetland? Yes <input type="radio"/> No <input checked="" type="radio"/>
Hydric Soil Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Remarks: (Explain alternative procedures here or in a separate report.) The site is a long used agricultural field, presently planted in soybeans.	

Hydrology

Wetland Hydrology Indicators: Primary Indicators (minimum of one required; check all that apply)		Secondary Indicators (minimum of 2 required)	
<input type="checkbox"/> Surface Water (A1) <input type="checkbox"/> High Water Table (A2) <input type="checkbox"/> Saturation (A3) <input type="checkbox"/> Water Marks (B1) <input type="checkbox"/> Sediment Deposits (B2) <input type="checkbox"/> Drift deposits (B3) <input type="checkbox"/> Algal Mat or Crust (B4) <input type="checkbox"/> Iron Deposits (B5) <input type="checkbox"/> Inundation Visible on Aerial Imagery (B7) <input type="checkbox"/> Sparsely Vegetated Concave Surface (B8)	<input type="checkbox"/> Water-Stained Leaves (B9) <input type="checkbox"/> Aquatic Fauna (B13) <input type="checkbox"/> Marl Deposits (B15) <input type="checkbox"/> Hydrogen Sulfide Odor (C1) <input type="checkbox"/> Oxidized Rhizospheres along Living Roots (C3) <input type="checkbox"/> Presence of Reduced Iron (C4) <input type="checkbox"/> Recent Iron Reduction in Tilled Soils (C6) <input type="checkbox"/> Thin Muck Surface (C7) <input type="checkbox"/> Other (Explain in Remarks)	<input type="checkbox"/> Surface Soil Cracks (B6) <input type="checkbox"/> Drainage Patterns (B10) <input type="checkbox"/> Moss Trim Lines (B16) <input type="checkbox"/> Dry Season Water Table (C2) <input type="checkbox"/> Crayfish Burrows (C8) <input type="checkbox"/> Saturation Visible on Aerial Imagery (C9) <input type="checkbox"/> Stunted or Stressed Plants (D1) <input type="checkbox"/> Geomorphic Position (D2) <input type="checkbox"/> Shallow Aquitard (D3) <input type="checkbox"/> Microtopographic Relief (D4) <input type="checkbox"/> FAC-neutral Test (D5)	
Field Observations: Surface Water Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Water Table Present? Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____ Saturation Present? (includes capillary fringe) Yes <input type="radio"/> No <input checked="" type="radio"/> Depth (inches): _____		Wetland Hydrology Present? Yes <input type="radio"/> No <input checked="" type="radio"/>	
Describe Recorded Data (stream gauge, monitoring well, aerial photos, previous inspections), if available:			
Remarks:			

VEGETATION - Use scientific names of plants

Sampling Point: Upland

Tree Stratum (Plot size: 30)	Absolute % Cover	Dominant Species? Rel.Strat. Cover	Indicator Status	Dominance Test worksheet:
1. _____	0	<input type="checkbox"/> 0.0%		Number of Dominant Species That are OBL, FACW, or FAC: 0 (A)
2. _____	0	<input type="checkbox"/> 0.0%		Total Number of Dominant Species Across All Strata: 1 (B)
3. _____	0	<input type="checkbox"/> 0.0%		Percent of dominant Species That Are OBL, FACW, or FAC: 0.0% (A/B)
4. _____	0	<input type="checkbox"/> 0.0%		
5. _____	0	<input type="checkbox"/> 0.0%		
6. _____	0	<input type="checkbox"/> 0.0%		
7. _____	0	<input type="checkbox"/> 0.0%		
Sapling/Shrub Stratum (Plot size: 15)				Prevalence Index worksheet:
1. _____	0	<input type="checkbox"/> 0.0%		Total % Cover of: Multiply by:
2. _____	0	<input type="checkbox"/> 0.0%		OBL species 0 x 1 = 0
3. _____	0	<input type="checkbox"/> 0.0%		FACW species 0 x 2 = 0
4. _____	0	<input type="checkbox"/> 0.0%		FAC species 0 x 3 = 0
5. _____	0	<input type="checkbox"/> 0.0%		FACU species 6 x 4 = 24
6. _____	0	<input type="checkbox"/> 0.0%		UPL species 90 x 5 = 450
7. _____	0	<input type="checkbox"/> 0.0%		Column Totals: 96 (A) 474 (B)
Herb Stratum (Plot size: 5)				Prevalence Index = B/A = 4.938
1. <i>Glycine max</i>	90	<input checked="" type="checkbox"/> 93.8%	UPL	Hydrophytic Vegetation Indicators:
2. <i>Solanum carolinense</i>	1	<input type="checkbox"/> 1.0%	FACU	<input type="checkbox"/> Rapid Test for Hydrophytic Vegetation
3. <i>Sonchus arvensis</i>	1	<input type="checkbox"/> 1.0%	FACU	<input type="checkbox"/> Dominance Test is > 50%
4. <i>Amaranthus retroflexus</i>	1	<input type="checkbox"/> 1.0%	FACU	<input type="checkbox"/> Prevalence Index is ≤3.0 ¹
5. <i>Chenopodium album</i>	1	<input type="checkbox"/> 1.0%	FACU	<input type="checkbox"/> Morphological Adaptations ¹ (Provide supporting data in Remarks or on a separate sheet)
6. <i>Conyza canadensis</i>	1	<input type="checkbox"/> 1.0%	FACU	<input type="checkbox"/> Problematic Hydrophytic Vegetation ¹ (Explain)
7. <i>Capsella bursa-pastoris</i>	1	<input type="checkbox"/> 1.0%	FACU	¹ Indicators of hydric soil and wetland hydrology must be present, unless disturbed or problematic.
8. _____	0	<input type="checkbox"/> 0.0%		Definitions of Vegetation Strata:
9. _____	0	<input type="checkbox"/> 0.0%		Tree - Woody plants, 3 in. (7.6 cm) or more in diameter at breast height (DBH), regardless of height.
10. _____	0	<input type="checkbox"/> 0.0%		Sapling/shrub - Woody plants less than 3 in. DBH and greater than 3.28 ft (1m) tall.
11. _____	0	<input type="checkbox"/> 0.0%		Herb - All herbaceous (non-woody) plants, regardless of size, and woody plants less than 3.28 ft tall.
12. _____	0	<input type="checkbox"/> 0.0%		Woody vine - All woody vines greater than 3.28 ft in height.
Woody Vine Stratum (Plot size:)				
1. _____	0	<input type="checkbox"/> 0.0%		
2. _____	0	<input type="checkbox"/> 0.0%		
3. _____	0	<input type="checkbox"/> 0.0%		
4. _____	0	<input type="checkbox"/> 0.0%		
0 = Total Cover				Hydrophytic Vegetation Present? Yes <input type="radio"/> No <input checked="" type="radio"/>

Remarks: (Include photo numbers here or on a separate sheet.)

*Indicator suffix = National status or professional decision assigned because Regional status not defined by FWS

Soil

Sampling Point: Upland

Profile Description: (Describe to the depth needed to document the indicator or confirm the absence of indicators.)

[illegible]

¹Type: C=Concentration. D=Depletion. RM=Reduced Matrix, CS=Covered or Coated Sand Grains ²Location: PL=Pore Lining. M=Matrix

Hydric Soil Indicators:

- ☐ Histosol (A1)
 - ☐ Histic Epipedon (A2)
 - ☐ Black Histic (A3)
 - ☐ Hydrogen Sulfide (A4)
 - ☐ Stratified Layers (A5)
 - ☐ Depleted Below Dark Surface (A11)
 - ☐ Thick Dark Surface (A12)
 - ☐ Sandy Muck Mineral (S1)
 - ☐ Sandy Gleyed Matrix (S4)
 - ☐ Sandy Redox (S5)
 - ☐ Stripped Matrix (S6)
 - ☐ Dark Surface (S7) (LRR R, MLRA 149B)
 - ☐ Polyvalue Below Surface (S8) (LRR R, MLRA 149B)
 - ☐ Thin Dark Surface (S9) (LRR R, MLRA 149B)
 - ☐ Loamy Mucky Mineral (F1) LRR K, L)
 - ☐ Loamy Gleyed Matrix (F2)
 - ☐ Depleted Matrix (F3)
 - ☐ Redox Dark Surface (F6)
 - ☐ Depleted Dark Surface (F7)
 - ☐ Redox Depressions (F8)

Indicators for Problematic Hydric Soils : ³

- ☐ 2 cm Muck (A10) (LRR K, L, MLRA 149B)
- ☐ Coast Prairie Redox (A16) (LRR K, L, R)
- ☐ 5 cm Mucky Peat or Peat (S3) (LRR K, L, R)
- ☐ Dark Surface (S7) (LRR K, L, M)
- ☐ Polyvalue Below Surface (S8) (LRR K, L)
- ☐ Thin Dark Surface (S9) (LRR K, L)
- ☐ Iron-Manganese Masses (F12) (LRR K, L, R)
- ☐ Piedmont Floodplain Soils (F19) (MLRA 149B)
- ☐ Mesic Spodic (TA6) (MLRA 144A, 145, 149B)
- ☐ Red Parent Material (F21)
- ☐ Very Shallow Dark Surface (TF12)
- ☐ Other (Explain in Remarks)

³Indicators of hydrophytic vegetation and wetland hydrology must be present, unless disturbed or problematic

Restrictive Layer (if observed):

Type: _____

Depth (inches): _____

Hydric Soil Present? Yes ☐ No ☒

Remarks:

Plot ID: **Upland**

Photo Path: \\Ea-server\company\324.00000 Summit Solar - various projects



Photo File: **DSCN6589.JPG**

Orientation:

West-facing

Lat/Long or UTM : Long/Easting: **76.20432**

Lat/Northing: **42.60930**

Description:



Photo File: **DSCN6650.JPG**

Orientation:

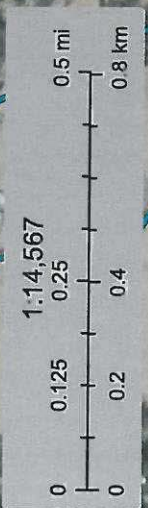
Northeast-facing

Lat/Long or UTM: Long/Easting: **76.20432**

Lat/Northing: **42.60930**

Description:

Cortlandville III



This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

July 9, 2020

- Wetlands

Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

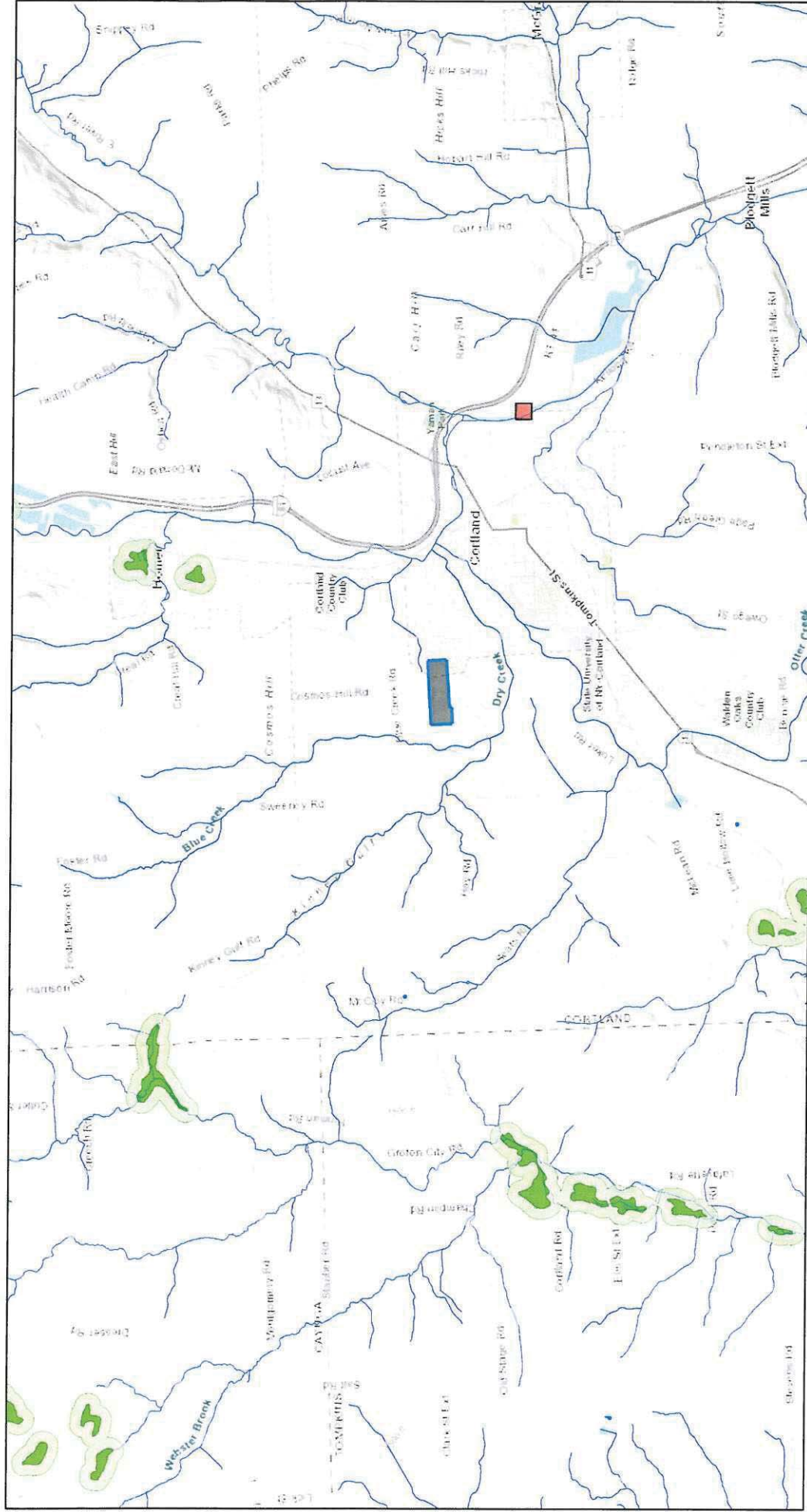
Freshwater Pond

Lake

Other

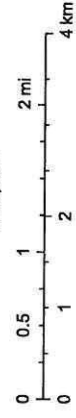
Riverine
- National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

Cortlandville III



July 9, 2020

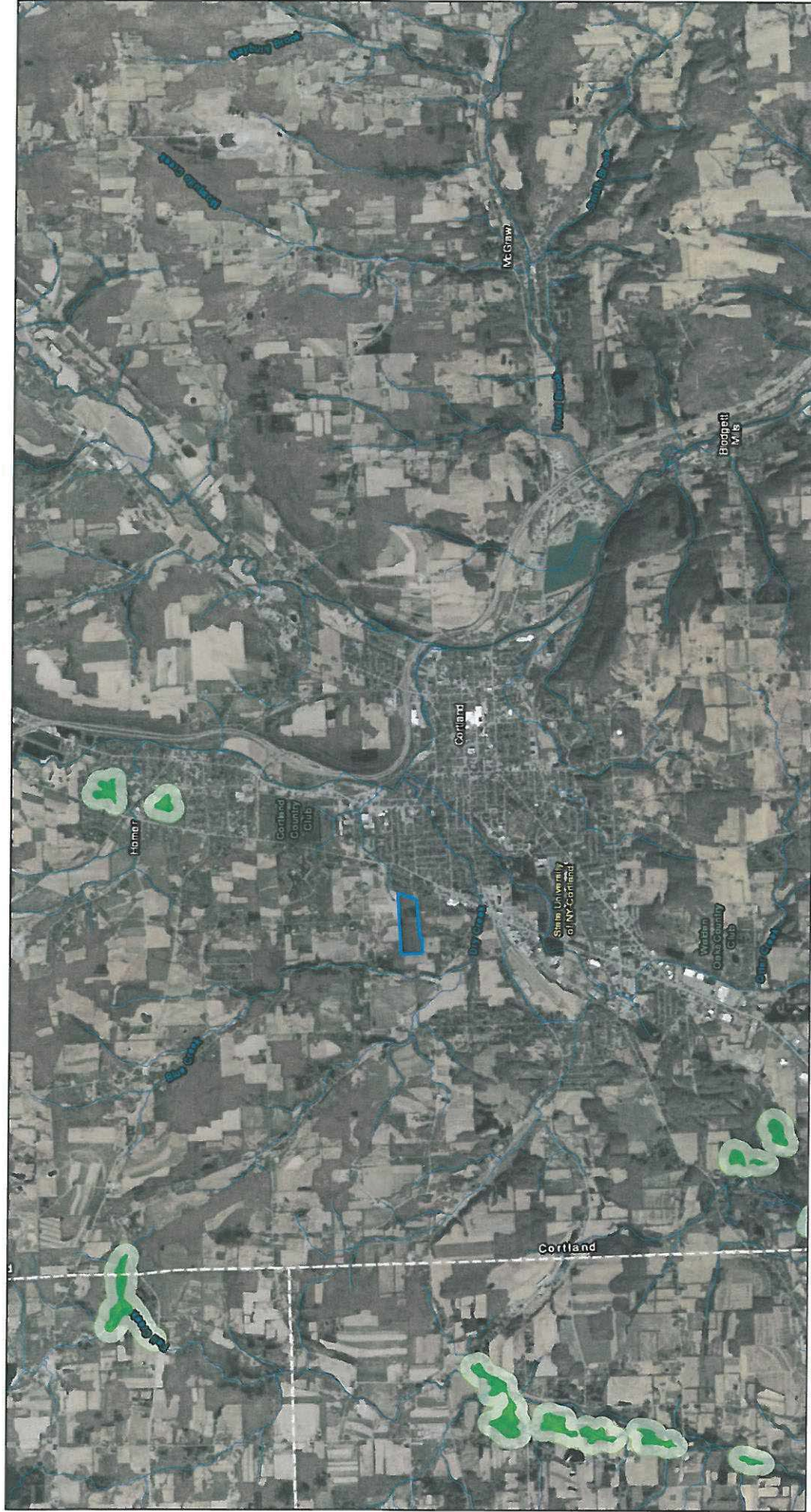
1:72,224



Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, Geobase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community

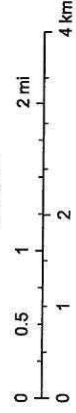
Author: NYSDEC ENV RES mapper
Not a legal document

Cortlandville III



July 9, 2020

1:72,224



State Regulated Freshwater Wetlands

State Regulated Wetland Checkzone

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community

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Hydric Rating by Map Unit—Cortland County, New York (Cortlandville III)



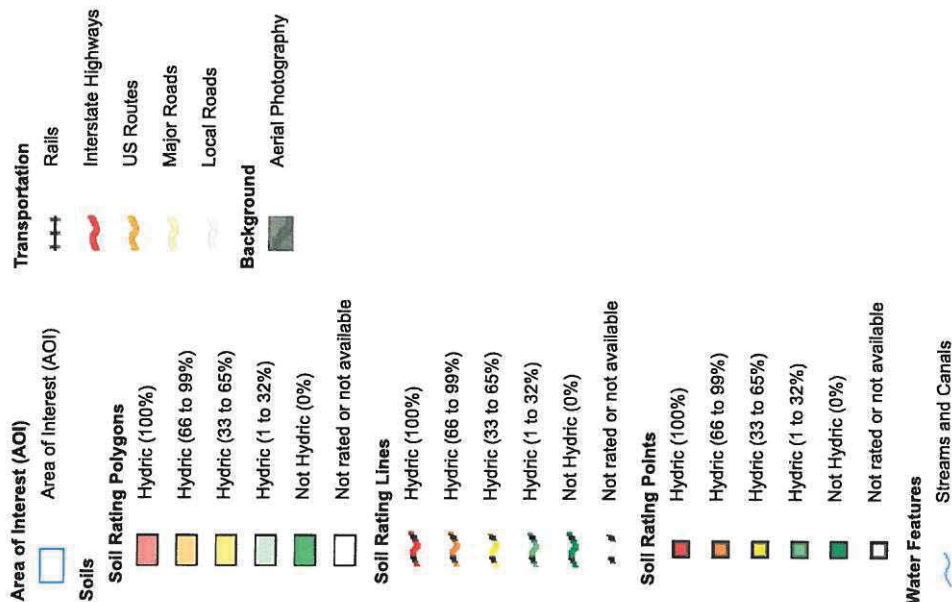
Soil Map may not be valid at this scale.

Map Scale: 1:4,750 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 18N WGS84

MAP LEGEND



MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

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

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

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

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

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

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

Soil Survey Area: Cortland County, New York
 Survey Area Data: Version 19, Jun 11, 2020

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

Date(s) aerial images were photographed: Jun 18, 2011—Oct 10, 2016

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

Hydric Rating by Map Unit

Map unit symbol	Map unit name	Rating	Acres In AOI	Percent of AOI
63B	Mardin channery silt loam, 3 to 8 percent slopes, slightly acid	0	0.0	0.1%
63C	Mardin channery silt loam, 8 to 15 percent slopes, slightly acid	0	2.9	5.3%
69B	Erie silt loam, 2 to 8 percent slopes	5	15.0	27.1%
77A	Chippewa silt loam, 0 to 3 percent slopes	95	2.5	4.6%
179B	Lordstown-Arnot complex, 3 to 8 percent slopes	0	29.8	53.8%
179C	Lordstown channery silt loam, 8 to 15 percent slopes	0	5.1	9.1%
Totals for Area of Interest			55.4	100.0%

Description

This rating indicates the percentage of map units that meets the criteria for hydric soils. Map units are composed of one or more map unit components or soil types, each of which is rated as hydric soil or not hydric. Map units that are made up dominantly of hydric soils may have small areas of minor nonhydric components in the higher positions on the landform, and map units that are made up dominantly of nonhydric soils may have small areas of minor hydric components in the lower positions on the landform. Each map unit is rated based on its respective components and the percentage of each component within the map unit.

The thematic map is color coded based on the composition of hydric components. The five color classes are separated as 100 percent hydric components, 66 to 99 percent hydric components, 33 to 65 percent hydric components, 1 to 32 percent hydric components, and less than one percent hydric components.

In Web Soil Survey, the Summary by Map Unit table that is displayed below the map pane contains a column named "Rating". In this column the percentage of each map unit that is classified as hydric is displayed.

Hydric soils are defined by the National Technical Committee for Hydric Soils (NTCHS) as soils that formed under conditions of saturation, flooding, or ponding long enough during the growing season to develop anaerobic conditions in the upper part (Federal Register, 1994). Under natural conditions, these soils are either saturated or inundated long enough during the growing season to support the growth and reproduction of hydrophytic vegetation.

The NTCHS definition identifies general soil properties that are associated with wetness. In order to determine whether a specific soil is a hydric soil or nonhydric soil, however, more specific information, such as information about the depth and duration of the water table, is needed. Thus, criteria that identify those estimated soil properties unique to hydric soils have been established (Federal Register, 2002). These criteria are used to identify map unit components that normally are associated with wetlands. The criteria used are selected estimated soil properties that are described in "Soil Taxonomy" (Soil Survey Staff, 1999) and "Keys to Soil Taxonomy" (Soil Survey Staff, 2006) and in the "Soil Survey Manual" (Soil Survey Division Staff, 1993).

If soils are wet enough for a long enough period of time to be considered hydric, they should exhibit certain properties that can be easily observed in the field. These visible properties are indicators of hydric soils. The indicators used to make onsite determinations of hydric soils are specified in "Field Indicators of Hydric Soils in the United States" (Hurt and Vasilas, 2006).

References:

Federal Register. July 13, 1994. Changes in hydric soils of the United States.

Federal Register. September 18, 2002. Hydric soils of the United States.

Hurt, G.W., and L.M. Vasilas, editors. Version 6.0, 2006. Field indicators of hydric soils in the United States.

Soil Survey Division Staff. 1993. Soil survey manual. Soil Conservation Service. U.S. Department of Agriculture Handbook 18.

Soil Survey Staff. 1999. Soil taxonomy: A basic system of soil classification for making and interpreting soil surveys. 2nd edition. Natural Resources Conservation Service. U.S. Department of Agriculture Handbook 436.

Soil Survey Staff. 2006. Keys to soil taxonomy. 10th edition. U.S. Department of Agriculture, Natural Resources Conservation Service.

Rating Options

Aggregation Method: Percent Present

Component Percent Cutoff: None Specified

Tie-break Rule: Lower

