

DISCLOSURE ADDENDUM STATEMENT TO APPLICATION,
PETITION AND REQUEST

Mindful of the provisions of Section 809 of the General Municipal Law of the State of New York, and of the Penal provisions thereof as well, the undersigned applicant states that no State Officer, Officer or Employee of the Town of Chester, or Orange County, has any interest, financial or otherwise, in this application or with, or in the applicant as defined in said Statue, except the following person or persons who is or are represented to have only the following type of interest, in the nature and to the extent hereinafter indicated:

X

NONE

NAME, ADDRESS, RELATIONSHIP OR INTEREST
(Financial or otherwise)

This disclosure addendum statement is annexed to and made a part of the petition, application and request made by the undersigned applicant to the following Board or Officer of the Town of Chester.

TOWN BOARD

PLANNING BOARD

ZONING BOARD OF APPEALS

BUILDING INSPECTOR

OTHER

10/6/2021

DATED

DocuSigned by:

Chris Vorlicek

D8CD3E9B77AA439...

INDIVIDUAL APPLICANT

CORPORATE APPLICANT

(PRES.) (PARTNER) (VICE PRES.)
(SEC) (TREASURER)

PLANNING BOARD DISCLAIMER STATEMENT
TO APPLICANTS

The applicant is advised that the Town of Chester Municipal Code which contains the Town's Zoning Law, is subject to amendment. Submission of an application to the Board does not grant the applicant any right to continued review under the code's current standards and requirements. It is possible that the applicant will be required to meet changed standards or new code requirements made while the application is pending.

An approval by this Board does not constitute permission, nor grant the right to connect to or use municipal services such as sewer, water or roads. It is the applicant's responsibility to apply for and obtain the Town of Chester and other agency approvals not within this Board's authority to grant.

The applicant hereby acknowledges, consents, and agrees to the above.

10/29/2021

Date

Christopher Preston Vorliceck

Applicant's Name (Printed)

Christopher Preston Vorliceck

Applicant's Signature

Notary Public

State of ~~New York~~ Virginia

County of ~~Orange~~ Virginia Beach

I hereby depose and say that all the above statements and information, and all statements and information contained in the supporting documents and drawings attached hereto are true, that the application rules have been read and the requirements therein set forth are fully met. Further, I understand that compliance with the Town of Chester Zoning Ordinance and the Subdivision Regulations shall be the sole responsibility of the applicant and the owner or their representatives, and that compliance with the subject matter contained therein shall be deemed part of this application.

Christopher Preston Vorliceck

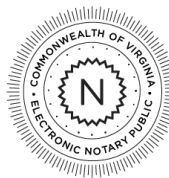
Signature of Applicant

Sworn to before me this 29th

Day of October, 20xx 2021

Dana Y. Peterman

Notary Public 7884791



Dana Y. Peterman

REGISTRATION NUMBER
7884791

COMMISSION EXPIRES
May 31, 2024

Notarized online using audio-video communication

TOWN OF CHESTER
PLANNING/ZONING BOARD
1786 KINGS HIGHWAY
CHESTER, NY 10918

AGRICULTURAL DATA

STATEMENT DATE: 11/4/21

NOTICE OF PROPOSED SUBDIVISION _____

SITE PLAN _____

SPECIAL PERMITTED USE X

PROJECT TITLE: 190 Greycourt Rd Rolar Project

NAME/ADDRESS OF APPLICANT: Chris Vorlicek
Lightstar
501 Boylston St, Boston, MA 02116

PROJECT DESCRIPTION: A 22.88 acre solar project. It is located within an agricultural field and proposed the removal of 1 tree. A NYSDEC pervious access road will be constructed to reach the facility for construction and maintenance. This will be an unmanned facility.

PROJECT LOCATION: The project is located in an agricultural field at 190 Greycourt Rd on the north side of the road, in the Town of New Windsor, Orange County, New York.

TAX MAP NO: SECTION 3 BLOCK 1 LOT 72

(LOCATION MAP ATTACHED)

AGRICULTURAL OPERATIONS WITHIN 500 FEET OF LANDS PROPOSED FOR
DEVELOPMENT/IMPROVEMENTS (PROPERTY OWNERS/ADDRESSES)

The remaining 118.77 of the landowner property will continue agricultural activites

N/F Seely Brook Farm LLC (Gary F. Johnson)

Liber 13511 Pg. 1261 Part of Parcel 1

SEC. 3 BLOCK 1 LOT 72 SEC. _____ BLOCK _____ LOT _____

SEC. _____ BLOCK _____ LOT _____ SEC. _____ BLOCK _____ LOT _____

OWNER AUTHORIZATION

State of New York

County of Orange

I Gary Johnson

Owner

Residing at 112 Johnson Rd, Chester, NY 10918

Owner Address

Being the owner of the premises 190 Greycourt Rd, Chester, NY 10918

Property Location

Also known as Orange County Tax Map # 3-1-72

Tax Map#

Hereby authorize NY Solar 1001 LLC

Agent

Whose mailing address is 501 Boylston St, Boston, MA 02116

Agent Address

To appear on my behalf before the Planning Board of the Town of Chester, and to file any documents required with reference to my application for:

NY Solar 1001 LLC - Large Scale Community Solar Farm at 190 Greycourt Road

I hereby allow my agent, whose name appears above, to act on my behalf and I further agree to abide by any requirements imposed by the Board as a condition of their approval.



Owner Signature

Sworn to before me this Heidi Schmid

Day of 20 April, 2021

HEIDI SCHMID

NOTARY PUBLIC-STATE OF NEW YORK

No. 01SC6285472

Qualified in Orange County

My Commission Expires July 08, 2021

TOWN OF CHESTER PLANNING BOARD
PRESUBMISSION
PLAN ELEMENT CHECKLIST FOR
PRELIMINARY SITE PLAN

PROJECT NAME: NY Solar 1001 LLC

The following checklist items shall be incorporated on the Site Plan prior to consideration of being placed on the Planning Board Agenda.

1. X Name and address of applicant.
2. X Name and address of owner (if different from applicant).
3. X Tax Map Data (Section-Block-Lot)
4. X Location map at a scale of 1"=2,000 ft. or less on a tax map or USCGS map base only with property outlined.
5. X Zoning table showing what is required in the particular zone and what applicant is proposing.
6. X Show zoning boundary if any portion of proposed site is within or adjacent to a different zone.
7. X Date of plan preparation and/or plan revisions.
8. X Scale the plan is drawn to (Max 1" = 100')
9. X North arrow pointing generally up.
10. X Planning Board Approval Box near lower right corner of plans (2 1/2"x4") for stamping.
11. X Plan legend (symbols & labels)
12. X Surveyor's and Engineer's Certificate and Title Block.
13. X Name of adjoining owners.
14. X Wetlands and required buffer zone with an appropriate note regarding DEC or ACOE requirements as applicable.
15. X Delineation of wooded areas and isolated trees with diameters of 12 inches or greater. Showing clearing limits.
16. X Flood plain boundaries.
17. X Certified sewage system and water supply design and placement by a Licensed Professional Engineer must be shown on plans.
18. X Metes and bounds of parcel.
19. X Name and width of adjacent streets; the road boundary is to be a minimum of 25 ft. from the physical center

line of the street with dedication offerings as required.

20. X Show existing or proposed easements (note restrictions).
21. X Right-of-way width and Rights of Access and Utility Placement.
22. X Lot area.
23. X Show any existing waterways, including intermittent streams.
24. X Applicable note pertaining to owner's review and concurrence with site plan together with owner's signature.
25. X Show any improvements, i.e, drainage systems, water lines, sewer lines, etc.
26. X Show all existing buildings, houses, accessory structures, wells and septic systems on within 200 ft. of the parcel.
27. X Show topographical data with 2 ft. contours extending 100' from property line based upon OSGS datum.
28. N/A Indicate any reference to a previous subdivision, i.e., filed map number, date and previous lot number.
29. N/A Show lighting plan and luminaire projection data.
30. X Show driveway entrance sight distances.
31. X Show landscaping and signage. HIGH VOLTAGE SIGN ONLY
32. X Stormwater Management and Erosion and Sediment Control Plans. INCLUDED IN SITE PLAN
33. X Paving limits and cross-sectional detail. NO PAVING, AGGREGATE ACCESS ROAD DETAIL IS PROVIDED.
- The following is to be included in the Project Narrative.
34. X Number of acres to be cleared or timber harvested.
35. X Estimated or known cubic yards of material to be excavated and removed from the site.
36. X Estimated or know cubic yards of fill required.
37. X The amount of grading expected or know to be required to bring the site to readiness.
38. N/A Type and amount of site preparation which falls within the 100 ft. buffer strip of State Wetlands. Please explain in sq. ft. or cubic yards.
39. N/A Any amount of site preparation within a 100 year floodplain or any water course on the site. Please explain in sq. ft. or cubic yards.
40. N/A Check here if sketch plan conference is requested. See Town of Chester Zoning 98-30(E).

The plan for the proposed site has been prepared in accordance with this checklist.

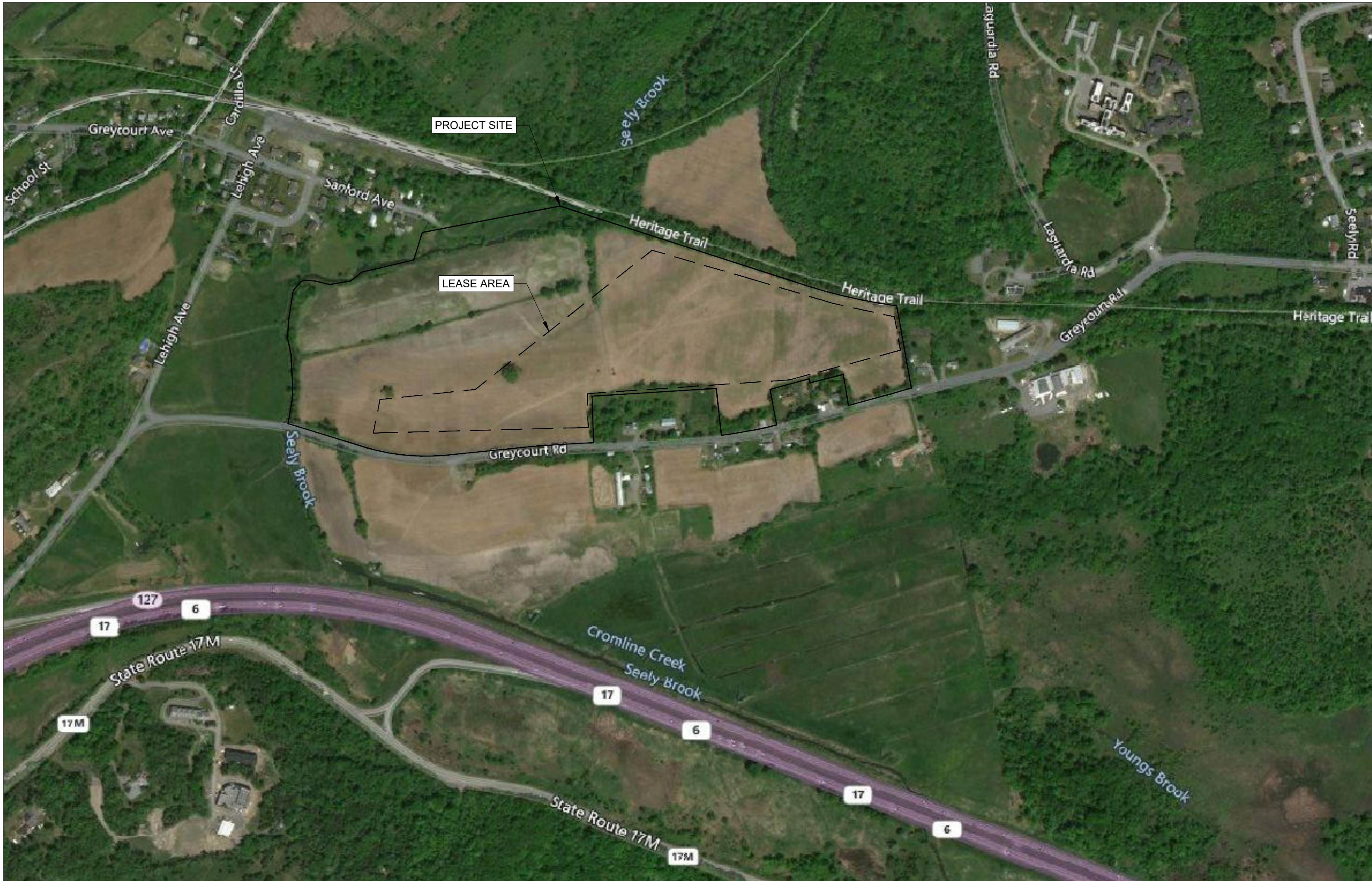
By: Chute Date: 10/29/2021
Applicant's Licensed Professional

**This list is designed to be a guide ONLY. The Town of Chester Planning Board may require additional notes or revisions prior to granting approval.

GREYCOURT ROAD SOLAR PROJECT

SITE DRAWINGS

190 GREYCOURT ROAD
CHESTER, NY 10918



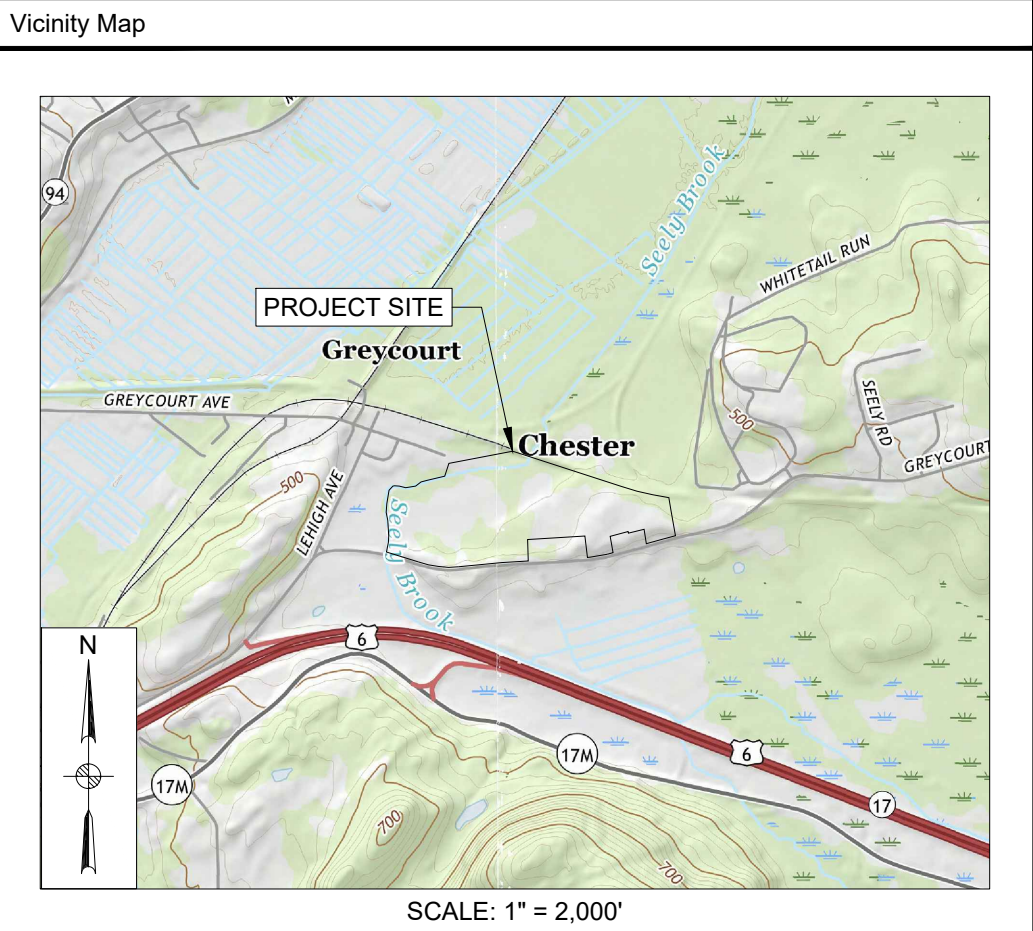
APPLICANT
NY SOLAR 1001, LLC
SCOTT GREENBERG
501 BOYLSTON STREET
BOSTON, MA 02116

ENGINEER
MOTT MACDONALD NY, INC.
438 MAIN STREET, #300
BUFFALO, NY 14202

I HEREBY GRANT APPROVAL TO THIS PLAN
SIGNATURE: _____ DATE: _____
OWNER: _____

APPROVED BY THE PLANNING BOARD
TOWN OF CHESTER, ORANGE COUNTY, N.Y.
DATE: _____ MEMBER: _____
MEMBER: _____

TAX ID: 3-1-72



Site Data		
PARCEL GRID # PID 3-1-72	PROPERTY OWNER GARY F. JOHNSON	SITE ADDRESS 190 GREYCOURT ROAD CHESTER, NY 10918
JURISDICTION TOWN OF CHESTER	ZONING OFFICE PARK (OP)	ACRES 22.9
CAPACITY (AC) 4.1 MW	CAPACITY (DC) 5.1 MWp	

Drawing List	
C-001:	COVER SHEET
C-101:	EXISTING CONDITIONS
C-201:	SITE PLAN
C-401:	GENERAL NOTES
C-402:	CIVIL DETAILS
C-403:	CIVIL DETAILS
C-404:	CIVIL DETAILS
C-405:	ROAD DETAILS

B	10/29/21	DOW	ISSUED FOR PERMIT	SEP	CC
A	10/14/21	DOW	ISSUED FOR PERMIT	SEP	CC
Rev	Date	Drawn	Description	Ch'k'd	App'd

M

M

MOTT
MACDONALD

MOTT MACDONALD NY, INC.
438 Main Street, #300
Buffalo, NY 14202

United States
T +1 (781) 915-0015
F +1 (781) 915-0001
W www.mottmac.com

Client
NY SOLAR 1001, LLC

Title
GREYCOURT ROAD SOLAR PROJECT
COVER SHEET

STATE OF NEW YORK

CHRISTOPHER ANDREW COOK

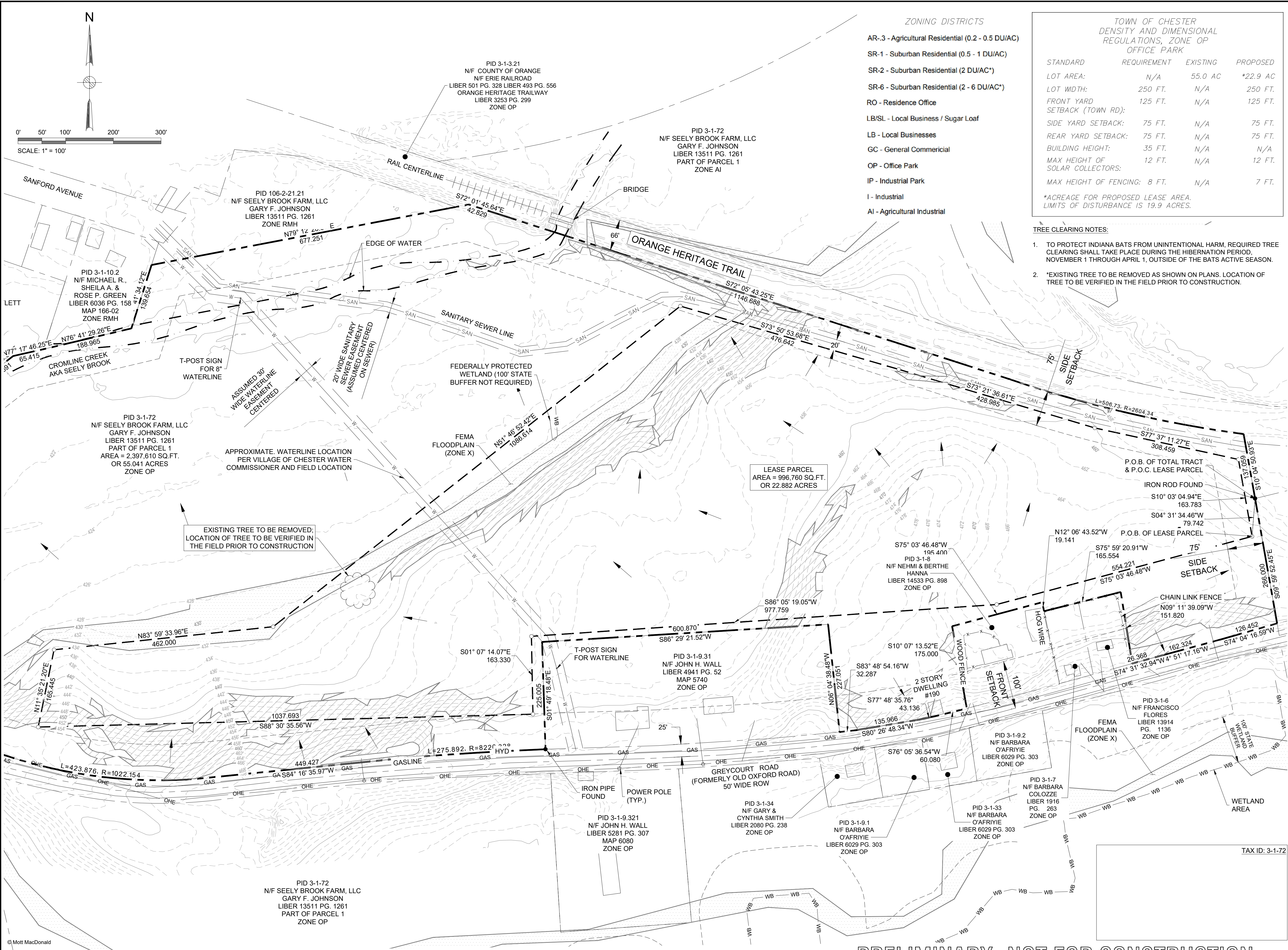
1089852

LICENSED PROFESSIONAL ENGINEER

Designed	EMJ	Check	EMJ
Drawn	DOW	Approved	CC
	SEP		
Scale at ANSI D	Date	Rev	
AS SHOWN	10/14/2021	B	
Drawing Number	C-001		

© Mott MacDonald
It is a violation of Article 145, Section 7209.2 of the New York State Education Law for any person to alter a document sealed by a professional engineer in any way, unless acting under the direction of a licensed professional engineer. If a document bearing the seal of an engineer is altered, the altering engineer shall affix to the document their seal and the notation "altered by" followed by their signature and the date of such alteration, and a specific description of the alteration.
This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose.
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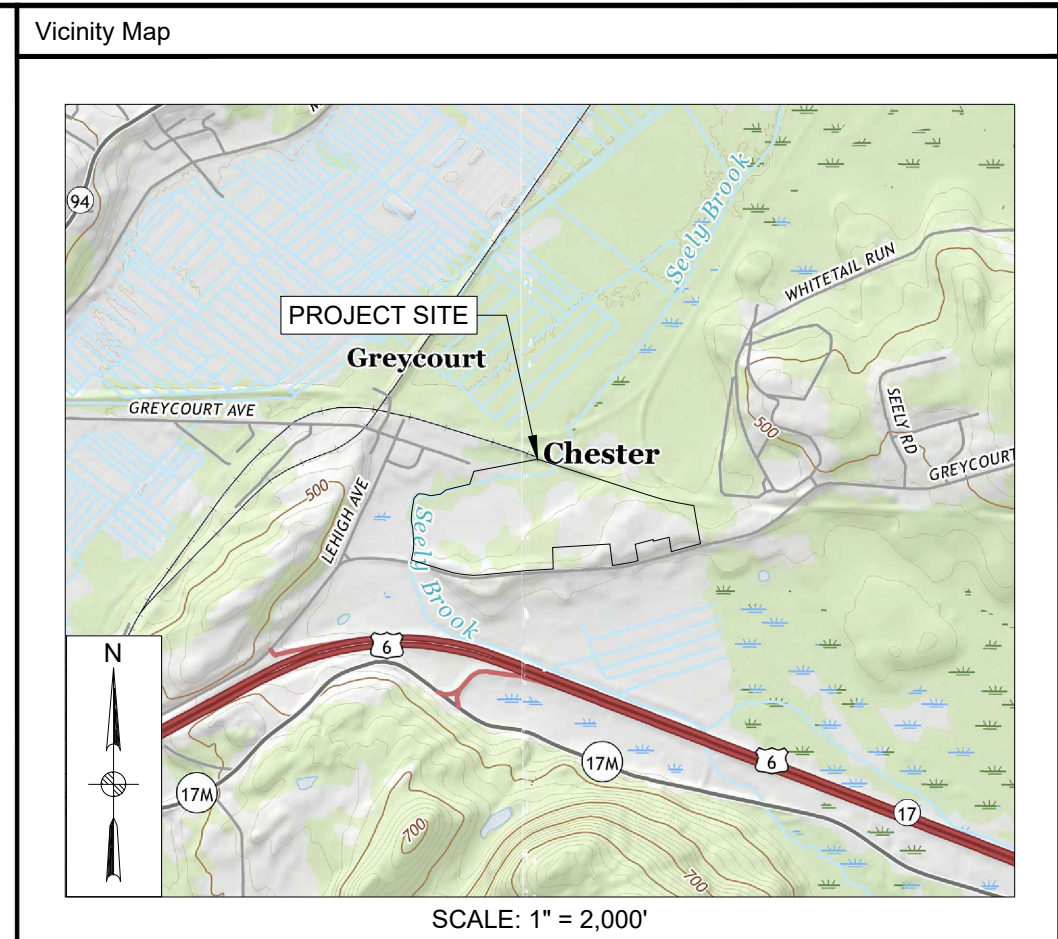
PRELIMINARY- NOT FOR CONSTRUCTION



TOWN OF CHESTER DENSITY AND DIMENSIONAL REGULATIONS, ZONE OP OFFICE PARK			
STANDARD	REQUIREMENT	EXISTING	PROPOSED
LOT AREA:	N/A	55.0 AC	*22.9 AC
LOT WIDTH:	250 FT.	N/A	250 FT.
FRONT YARD SETBACK (TOWN RD):	125 FT.	N/A	125 FT.
SIDE YARD SETBACK:	75 FT.	N/A	75 FT.
REAR YARD SETBACK:	75 FT.	N/A	75 FT.
BUILDING HEIGHT:	35 FT.	N/A	N/A
MAX HEIGHT OF SOLAR COLLECTORS:	12 FT.	N/A	12 FT.
MAX HEIGHT OF FENCING:	8 FT.	N/A	7 FT.

*ACREAGE FOR PROPOSED LEASE AREA.
LIMITS OF DISTURBANCE IS 19.9 ACRES.

- TREE CLEARING NOTES:
- TO PROTECT INDIANA BATS FROM UNINTENTIONAL HARM, REQUIRED TREE CLEARING SHALL TAKE PLACE DURING THE HIBERNATION PERIOD, NOVEMBER 1 THROUGH APRIL 1, OUTSIDE OF THE BATS ACTIVE SEASON.
 - *EXISTING TREE TO BE REMOVED AS SHOWN ON PLANS. LOCATION OF TREE TO BE VERIFIED IN THE FIELD PRIOR TO CONSTRUCTION.



Site Data		
PARCEL GRID # PID 3-1-72	PROPERTY OWNER GARY F. JOHNSON	SITE ADDRESS 190 GREYCOURT ROAD CHESTER, NY 10918
JURISDICTION TOWN OF CHESTER	ZONING OFFICE PARK (OP)	ACRES 22.9

Legend	
---	PROPERTY BOUNDARY
---	LEASE AREA
---	PROPERTY (ADJOINER)
---	EXISTING OVERHEAD ELECTRIC LINE
---	EXISTING PIPELINE
---	EXISTING WATER LINE
---	EXISTING SANITARY SEWER
---	MAJOR CONTOUR (10' INTERVAL TYP.)
---	MINOR CONTOUR (2' INTERVAL TYP.)
---	WETLAND BOUNDARY
---	RAILROAD
---	EXISTING TREELINE/ VEGETATION
---	EDGE OF WATER LINE
---	FLOW DIRECTION ARROW
---	15% OR GREATER SLOPE ZONE
---	FEMA FLOODPLAIN

Rev	Date	Drawn	Description	Ch'd	App'd
B	10/29/21	DOW	ISSUED FOR PERMIT	SEP	CC
A	10/14/21	DOW	ISSUED FOR PERMIT	SEP	CC

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Buffalo, NY 14202

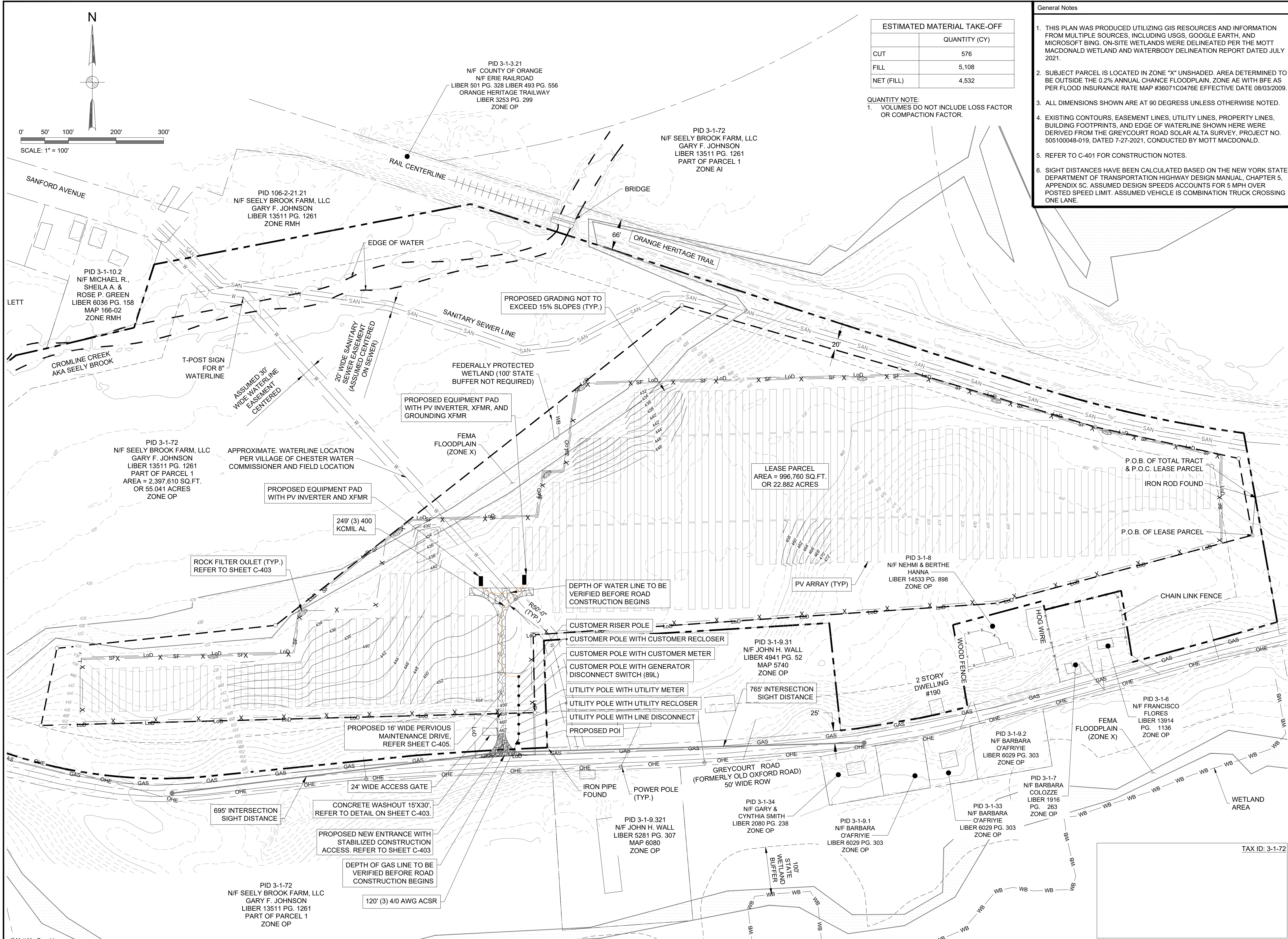
United States
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W www.mottmac.com

Client
NY SOLAR 1001, LLC

Title
**GREYCOURT ROAD SOLAR PROJECT
EXISTING CONDITIONS PLAN**

Designed EMJ	Check EMJ
Drawn DOW	Approved CC
Scale at ANSI D 1" = 100'	Date 10/14/2021
Drawing Number C-101	Rev B

PRELIMINARY- NOT FOR CONSTRUCTION



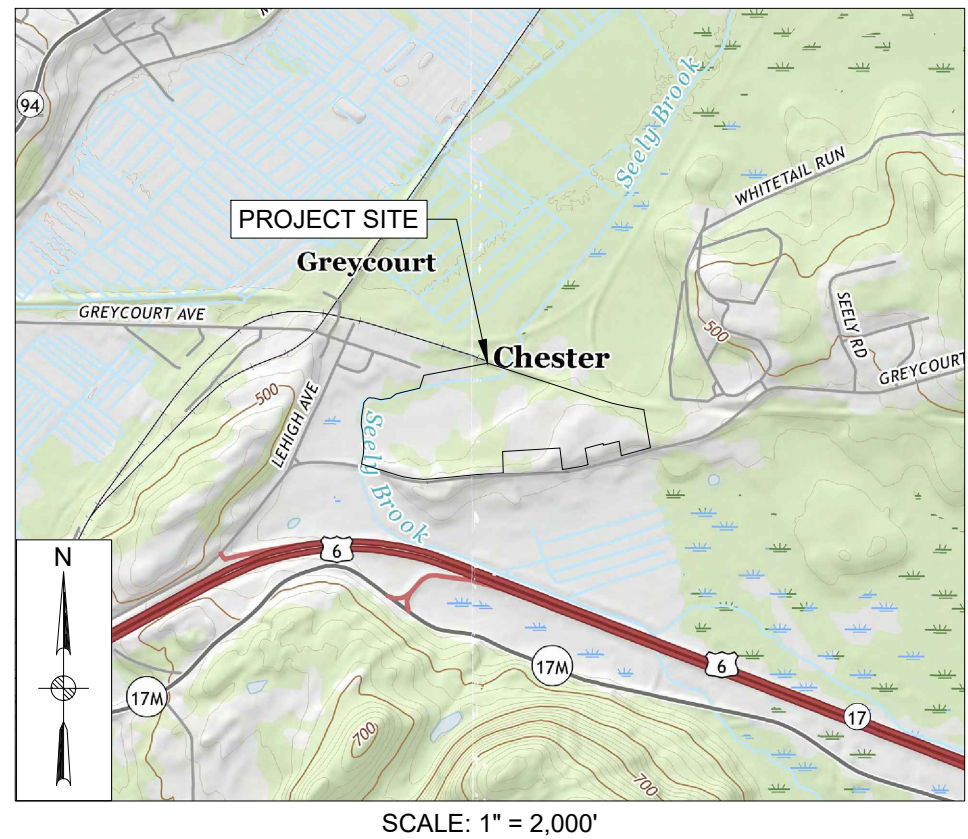
ESTIMATED MATERIAL TAKE-OFF	
	QUANTITY (CY)
CUT	576
FILL	5,108
NET (FILL)	4,532

QUANTITY NOTE:
1. VOLUMES DO NOT INCLUDE LOSS FACTOR OR COMPACTION FACTOR.

General Notes

1. THIS PLAN WAS PRODUCED UTILIZING GIS RESOURCES AND INFORMATION FROM MULTIPLE SOURCES, INCLUDING USGS, GOOGLE EARTH, AND MICROSOFT BING. ON-SITE WETLANDS WERE DELINEATED PER THE MOTT MACDONALD WETLAND AND WATERBODY DELINEATION REPORT DATED JULY 2021.
2. SUBJECT PARCEL IS LOCATED IN ZONE "X" UNSHADED, AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, ZONE AE WITH BFE AS PER FLOOD INSURANCE RATE MAP #36071C0476E EFFECTIVE DATE 08/03/2009.
3. ALL DIMENSIONS SHOWN ARE AT 90 DEGREES UNLESS OTHERWISE NOTED.
4. EXISTING CONTOURS, EASEMENT LINES, UTILITY LINES, PROPERTY LINES, BUILDING FOOTPRINTS, AND EDGE OF WATERLINE SHOWN HERE WERE DERIVED FROM THE GREYCOURT ROAD SOLAR ALTA SURVEY, PROJECT NO. 505100048-019, DATED 7-27-2021, CONDUCTED BY MOTT MACDONALD.
5. REFER TO C-401 FOR CONSTRUCTION NOTES.
6. SIGHT DISTANCES HAVE BEEN CALCULATED BASED ON THE NEW YORK STATE DEPARTMENT OF TRANSPORTATION HIGHWAY DESIGN MANUAL, CHAPTER 5, APPENDIX 5C. ASSUMED DESIGN SPEEDS ACCOUNTS FOR 5 MPH OVER POSTED SPEED LIMIT. ASSUMED VEHICLE IS COMBINATION TRUCK CROSSING ONE LANE.

Vicinity Map



Site Data

PARCEL GRID # PID 3-1-72	PROPERTY OWNER GARY F. JOHNSON	SITE ADDRESS 190 GREYCOURT ROAD CHESTER, NY 10918
JURISDICTION TOWN OF CHESTER	ZONING OFFICE PARK (OP)	ACRES 22.9

Legend

---	PROPERTY BOUNDARY
---	LEASE AREA
---	PROPERTY (ADJOINER)
---	EXISTING OVERHEAD ELECTRIC LINE
---	GAS
---	EXISTING PIPELINE
---	EXISTING WATER LINE
---	EXISTING SANITARY SEWER
---	EX. MAJOR CONTOUR (10' INTERVAL TYP.)
---	EX. MINOR CONTOUR (2' INTERVAL TYP.)
---	PROPOSED MAJOR CONTOURS (2 & 10' INV.)
---	PROPOSED UNDERGROUND ELECTRIC
---	PROPOSED PV PLANT FENCE
---	PROPOSED LOD
---	PROPOSED SILT FENCE
---	WETLAND BOUNDARY
---	RAILROAD
---	EDGE OF WATER LINE
---	FEMA FLOODPLAIN

Rev	Date	Drawn	Description	Ch'd	App'd
B	10/29/21	DOW	ISSUED FOR PERMIT	SEP	CC
A	10/14/21	DOW	ISSUED FOR PERMIT	SEP	CC

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Client
NY SOLAR 1001, LLC

Title
**GREYCOURT ROAD SOLAR PROJECT
SITE PLAN**



Designed EMJ	Check EMJ
Drawn DOW	Approved CC
Scale at ANSI D 1" = 100'	Date 10/14/2021
Drawing Number C-201	Rev B

PRELIMINARY- NOT FOR CONSTRUCTION

GENERAL NOTES:

- THIS PLAN WAS PRODUCED UTILIZING GIS RESOURCES AND INFORMATION FROM MULTIPLE SOURCES, INCLUDING USGS, GOOGLE EARTH, AND MICROSOFT BING. ON-SITE WETLANDS WERE DELINEATED PER THE MOTT MACDONALD WETLAND AND WATERBODY DELINEATION REPORT DATED JULY 2021. 0.02 ACRES OF WETLAND LIE WITHIN THE PROJECT AREA.
- BEARINGS AND NORTH SHOWN HEREON ARE REFERENCED TO NAD 83-NY EAST USING NYSNET RTN GPS.
- TOPOGRAPHY HAS BEEN DERIVED FROM NY STATE LIDAR DATA AND VERIFIED WITH TRADITIONAL GROUND RUN SURVEY. ELEVATIONS SHOWN HEREON ARE REFERENCED TO NAVD 88 REFERENCED TO GEOID 18.
- SUBJECT PARCEL IS LOCATED IN ZONE "X" UNSHADED. AREA DETERMINED TO BE OUTSIDE THE 0.2% ANNUAL CHANCE FLOODPLAIN, ZONE AE WITH BFE AS PER FLOOD INSURANCE RATE MAP #36071C0476E EFFECTIVE DATE 08/03/2009.
- PROJECT AREA, INCLUDING CONSTRUCTION STAGING AREAS, SHALL BE CLEARED AND GRUBBED AS NECESSARY, RETAINING PRE-DEVELOPMENT DRAINAGE PATTERNS TO THE GREATEST EXTENT POSSIBLE.
- ALL DIMENSIONS SHOWN ARE AT 90 DEGRESS UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL CALL DIG SAFELY NEW YORK, CALL 811 AT LEAST 72 HOURS PRIOR TO BEGINNING CONSTRUCTION OR EXCAVATION TO HAVE EXISTING UTILITIES LOCATED.
- CONTRACTOR SHALL MAINTAIN ACCESS AND UTILITY SERVICES TO ANY REMAINING BUILDING(S) OR ADJACENT BUILDING(S) THROUGHOUT THE DEMOLITION AND CONSTRUCTION PHASES. EXISTING IMPROVEMENTS DAMAGED DURING CONSTRUCTION SHALL BE REPLACED/RESTORED TO THE SATISFACTION OF THE OWNER BY THE CONTRACTOR RESPONSIBLE FOR THE DAMAGE.
- THE CONTRACTOR SHALL BE FULLY RESPONSIBLE TO PROVIDE SIGNS, BARRICADES, WARNING LIGHTS, GUARD RAILS, AND EMPLOY FLAGGERS AS NECESSARY WHEN CONSTRUCTION ENDANGERS EITHER VEHICULAR OR PEDESTRIAN TRAFFIC. THESE DEVICES SHALL REMAIN IN PLACE UNTIL THE TRAFFIC MAY PROCEED NORMALLY AGAIN.
- DURING SITE DEVELOPMENT, CONSPICUOUS AND LEGIBLE SIGNAGE INDICATING THE NAME OF THE PRACTICE, SPDES PERMIT NUMBER, ETC. SHALL BE POSTED IN THE IMMEDIATE VICINITY OF THE STORMWATER MANAGEMENT PRACTICES.
- EQUIPMENT AUDIBLE EMISSION LEVELS MEASURED AT A DISTANCE OF 1 METER FROM SOURCE:
INVERTER: < 65 db(A)
TRANSFORMER: < 50 db(A)
- PESTICIDES AND HERBICIDES ARE NOT PERMITTED WITHIN THE SENSITIVE OVERLAY (SA) DISTRICT. ANY MAINTENANCE OF GROUND VEGETATION SHALL BE MECHANICAL MEANS.
- 2.66 ACRES OF THE PROJECT SITE INCLUDE SLOPES GREATER THAN 15%.
- THE SUBJECT PROPERTY LIES WITHIN TOWN OF CHESTER, NY ZONE OP (OFFICE PARK).
- EXISTING CONTOURS, EASEMENT LINES, UTILITY LINES, PROPERTY LINES, BUILDING FOOTPRINTS, AND EDGE OF WATERLINE SHOWN HERE WERE DERIVED FROM THE GREYCOURT ROAD SOLAR ALTA SURVEY, PROJECT NO. 505100048-019, DATED 7-27-2021, CONDUCTED BY MOTT MACDONALD.

CONSTRUCTION SEQUENCE NOTES:

- THE OWNER/OPERATOR SHALL FILE AN NOTICE OF INTENT (NOI) WITH THE NYSDEC 5 BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION IN ACCORDANCE WITH SPDES PERMIT GP-0-20-001.
- SCHEDULE A PRECONSTRUCTION CONFERENCE WITH THE PROJECT TEAM INVOLVED IN SITE DISTURBANCE.
 - LOCATE ALL EXISTING UTILITIES WITHIN PROJECT AREA (DIG SAFELY NEW YORK-811.).
 - THE OWNER OPERATOR SHALL AUTHORIZE THE QUALIFIED PROFESSIONAL TO PERFORM WEEKLY INSPECTIONS FOR EROSION AND SEDIMENT CONTROL ONCE CONSTRUCTION BEGINS.
- INSTALL GRAVEL CONSTRUCTION PAD, SILT FENCE, AND OTHER MEASURES AS SHOWN ON THE APPROVED PLAN. CLEAR ONLY AS NECESSARY TO INSTALL THESE DEVICES. SEED IMMEDIATELY AFTER CONSTRUCTION.
 - INSTALL STABILIZED CONSTRUCTION ENTRANCE.
 - CLEAR ONLY THE AREAS NECESSARY TO INSTALL EROSION CONTROL MEASURES. GRUB ONLY AS NECESSARY TO INSTALL SILT FENCING AS DESIGNATED WITHIN THIS PLAN. ANY ADJUSTMENT TO THE EROSION CONTROL MEASURES AS SHOWN TO ACCOMMODATE EXISTING UNFORESEEN FIELD CONDITIONS, MUST BE APPROVED BY THE ENGINEER OF RECORD. SILT FENCE SHALL BE INSTALLED PARALLEL TO THE CONTOUR, UNLESS SPECIFIED OTHERWISE ON THE PLAN.
 - SILT FENCE SHOULD BE INSTALLED ON ALL DOWNSLOPE PORTIONS OF THE DISTURBED AREA. SILT FENCE SHOULD NOT BE INSTALLED ON THE HIGH SIDE OF THE DISTURBANCE AREA (TREE PROTECTION FENCING IS AN ACCEPTABLE ALTERNATIVE IF DESIRED). SILT FENCE LOCATIONS MAY VARY FROM THE APPROVED PLANS PER SITE CONDITIONS.
 - COMPOST FILTER SOCK MAY BE USED ALONG LONG SLOPES AND LAID PARALLEL TO THE CONTOUR IN ACCORDANCE WITH CHAPTER 5 OF THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, JULY, 2016. FILTER SOCKS MAY BE SUBSTITUTED FOR SLOPE BREAKS, CHECK DAMS, AND INLET PROTECTION. THE COMPOST SOCK MUST BE INSTALLED PER MANUFACTURER SPECIFICATIONS. THEY MUST BE SIZED TO PREVENT OVERTOPPING.
 - INSTALL BARRIERS PRIOR TO CONSTRUCTION ACTIVITIES. ALL MEASURES TO BE INSTALLED CONSISTENT WITH THIS PLAN SET AND THE NEW YORK STATE STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL, JULY, 2016. PRIOR TO INSTALLING A MEASURE, EVALUATE THE SURROUNDING AREA IN THE FIELD TO CONFIRM THAT THE SPECIFIED MEASURE AND BE CONSTRUCTED/INSTALLED AS TO FUNCTION PROPERLY. INSTALL ADDITIONAL TRAPS AND BARRIERS AS NEEDED DURING GRADING TO MAINTAIN SUFFICIENT SEDIMENT PROTECTION.
 - ALL STOCKPILES, FUEL TANKS, AND CONCRETE WASHOUT AREAS SHOULD BE NO LESS THAN 50 FEET AWAY FROM ALL INLETS AND WATER.
 - INSTALL STABILIZE AND LINE CLEAN SILT FENCE BEFORE LAND GRADING. INSTALL ADDITIONAL RUNOFF-CONTROL MEASURES DURING GRADING TO PROVIDE/MAINTAIN SUFFICIENT SEDIMENT PROTECTION.
 - APPLY TEMPORARY OR PERMANENT STABILIZATION MEASURES IMMEDIATELY ON ALL DISTURBED AREAS WHERE WORK IS DELAYED OR COMPLETE.
- CALL THE QUALIFIED PROFESSIONAL FOR AN ONSITE INSPECTION PRIOR TO CLEARING AND GRUBBING.
 - TO PROTECT INDIANA BATS FROM UNINTENTIONAL HARM, REQUIRED TREE CLEARING SHALL TAKE PLACE DURING THE HIBERNATION PERIOD, NOVEMBER 1 THROUGH APRIL 1, WHEN BATS ARE NOT EXPECTED TO BE PRESENT.
- BEGIN CLEARING AND GRUBBING. MAINTAIN DEVICES AS NEEDED. ROUGH GRADE SITE.
 - BEGIN MAJOR CLEARING AND GRADING AFTER PRINCIPAL SEDIMENT AND KEY RUNOFF-CONTROL MEASURES ARE INSTALLED. CLEAR BORROW AND DISPOSAL AREAS ONLY AS NEEDED. INSTALL ADDITIONAL CONTROL MEASURES AS GRADING PROGRESSES.
 - INSTALL NECESSARY EROSION AND SEDIMENTATION CONTROL PRACTICES AS WORK TAKES PLACE INCLUDING ADDITIONAL SILT FENCE.
- STABILIZE SITE AS AREAS ARE BROUGHT UP TO FINISH GRADE WITH VEGETATION, PAVING, DITCH LININGS, ETC. SEED AND MULCH DENUDED AREAS PER GROUND STABILIZATION TIME FRAMES.
 - ESTABLISH GROUND COVER ON EXPOSED SLOPES WITHIN 7 CALENDAR DAYS FOLLOWING COMPLETION OF ANY PHASE OF GRADING. PERMANENT GROUND COVER FOR ALL DISTURBED AREAS WITHIN 15 WORKING DAYS OR 90 CALENDAR DAYS (WHICH-EVER IS SHORTER) FOLLOWING COMPLETION OF CONSTRUCTION OR DEVELOPMENT.
 - COMPLETE ALL SITE IMPROVEMENTS
 - PLANT/STABILIZE REMAINDER OF SITE.
- WHEN CONSTRUCTION IS COMPLETE AND ALL AREAS ARE STABILIZED COMPLETELY, CALL QUALIFIED PROFESSIONAL FOR AN INSPECTION.
- PRIOR TO REMOVAL OF SILT FENCE, SEED OUT OR STABILIZE ANY RESULTING BARE AREAS. ALL REMAINING PERMANENT EROSION CONTROL DEVICES SHOULD NOW BE INSTALLED.
- WHEN VEGETATION HAS BECOME ESTABLISHED, CALL FOR A FINAL SITE INSPECTION BY THE QUALIFIED PROFESSIONAL. FILE A NOTICE OF TERMINATION (NOT).

GRADING AND DRAINAGE NOTES:

- THIS DRAWING IS THE PRELIMINARY DESIGN AND SHOWS BASIC FEATURES ONLY. ADDITIONAL FEATURES MAY BE REQUIRED NOT SHOWN IN THIS DRAWING.
- THE SITE SHALL BE CLEARED AND GRUBBED TO REMOVE ALL DEBRIS, TOPSOIL AND ORGANIC MATERIAL GREATER THAN 1-INCH IN DIAMETER. ALL TRASH SHALL BE REMOVED.
- WHERE TOPSOIL STRIPPING IS REQUIRED, TOPSOIL, OR OTHER SOIL ENCOUNTERED, THAT PROMOTES VEGETATIVE GROWTH SHALL BE STOCKPILED AND USED IN AREAS THAT WILL BE SEEDED. TOPSOIL SHALL BE DEFINED AS SURFACE ROOT-ZONE SOILS WITH AN ORGANIC CONTENT OF GREATER THAN 6% BY WET COMBUSTION TEST METHODS.
- AFTER COMPLETION OF CLEARING AND GRUBBING OPERATIONS, ALL AREAS SHOWN TO SUPPORT STRUCTURAL FILL MATERIAL, AND/OR STRUCTURES, SHALL BE PROOF ROLLED WITH A LOADED DUMP TRUCK. PROOF ROLLING SHALL BE OBSERVED BY THE GEOTECHNICAL ENGINEER. IDENTIFIED WEAK OR SOFT AREAS SHALL BE RECTIFIED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS, AND ANY GUIDANCE PROVIDED BY THE GEOTECHNICAL ENGINEER.
- FILL MATERIAL, PLACEMENT AND COMPACTION REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE PROJECT GEOTECHNICAL REPORT. EXCEPT AS SPECIFICALLY NOTED FOR STRUCTURAL SELECT FILL FOR THE ARCH CULVERT IN THE DETAIL NOTES.
- STRUCTURAL FILL MATERIAL CLASSIFICATIONS AND PLACEMENT REQUIREMENTS SHALL BE IN ACCORDANCE WITH THE GEOTECHNICAL REPORT RECOMMENDATIONS EXCEPT AS SPECIFICALLY MODIFIED FOR THE ARCH CULVERT AS NOTED IN THE DETAILS.
- IN-PLACE DENSITY TESTS SHALL BE PERFORMED BY AN EXPERIENCED GEOTECHNICAL ENGINEERING TECHNICIAN TO EVALUATE THE PERFORMANCE OF THE CONTRACTOR'S COMPACTION EFFORTS. COMPACTION TESTING SHALL BE PERFORMED AT A TESTING FREQUENCY OF ONE TEST PER 10,000 SQUARE FEET, PER LIFT, AND DIRECT TESTING IN ANY AREA WHERE SOFT OR QUESTIONABLE MATERIAL MAY BE IDENTIFIED. THE TECHNICIAN SHALL ALSO BE EMPLOYED TO ASSIST THE GRADING CONTRACTOR IN MOISTURE CONTROL BY PERFORMING ON-SITE FILL MOISTURE TESTS.
- ALL DISTURBED AREAS SHALL BE SEEDED UPON COMPLETION OF GRADING AND EARTHWORK OPERATIONS. STAKED, OVERLAPPING SOD MAY BE REQUIRED IN AREAS WHERE THE CONTRACTOR CANNOT ESTABLISH A STAND OF SEED. CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING SEED UNTIL A STABLE AND ROBUST STAND OF PLANTINGS ARE ESTABLISHED.
- THE FINISH GRADE OF ALL FILLED AREAS THAT ARE NOT GRAVELED, SHALL INCLUDE PLACEMENT OF MINIMUM 6" TOPSOIL MATERIAL.
- FILL VOLUME INCLUDES REPLACEMENT VOLUME OF REMOVED MINIMUM 6" TOPSOIL FOR SITE PREPARATION. TOPSOIL DEPTHS SHALL BE ADJUSTED BASED ON OBSERVABLE ROOT ZONE DEPTHS AND/OR ORGANIC CARBON CONTENT WHERE ROOT ZONE MAY BE INDETERMINATE OR DISPUTED. FILL VOLUME DOES NOT INCLUDE VOLUME OF REQUIRED GRAVEL SURFACING FOR ACCESS DRIVES. ALL FILL MATERIAL TO BE APPROVED BY OWNER'S GEOTECHNICAL ENGINEER.

EROSION AND SEDIMENT CONTROL NOTES:

- EROSION AND SEDIMENT CONTROL DETAILS SHALL BE IN ACCORDANCE WITH NY STATE STANDARD AND SPECIFICATIONS AS WELL AS APPENDIX M OF THE PROJECT SWPPP.
- ALL DISTURBED AREAS SHALL BE RESTORED IN ACCORDANCE WITH THE SOIL RESTORATION REQUIREMENTS IN TABLE 5.3 OF THE DESIGN MANUAL.
- ALL TREES OUTSIDE OF TREE REMOVAL LIMITS SHALL REMAIN IN PLACE.

NOTE:
SEEDING RATE OF 47 POUNDS PER ACRE WHICH IS 42 POUNDS OF GRASS SEED, 4 POUNDS OF LEGUME, AND 1 POUND OF PERENNIAL WILDFLOWERS.

SEED MIXES		
GRASS PORTION (42 POUNDS)		
PERCENT BY NO. OF SEEDS (NOT WEIGHT)	SCIENTIFIC NAME	COMMON NAME
60.8%	AGROSTIS ALBA	REDTOP
27.5%	FESTUCA RUBRA	RED FESCUE
11.7%	LOLIUM MULTIFLORUM	ANNUAL REYGRASS
LEGUME PORTION (4 POUNDS)		
100%	LOTUS CORNICULATUS	BIRDS-FOOT TREFOIL

SEED MIXES		
WILDFLOWER PORTION (1 POUND)		
41.9%	ACHILLEA MILLEFOLIUM	COMMON YARROW
24.1%	RUDBECKIA HIRTA	BLACK-EYED SUSAN
9.8%	CHRYSANTHEMUM LEUCANTHEM	OX-EYED DAISY
8.6%	ASTER NOVAEANGLIAE	NEW ENGLAND ASTER
6.5%	HESPERIS MATRONALIS	DAME'S ROCKET
5.8%	DAUCUS CAROTA	QUEEN ANNE'S LACE
3.3%	POLYGONUM PENSYLVANICUM	PENNSYLVANIA SMARTWEED

POST CONSTRUCTION MAINTENANCE

- GRAVEL ACCESS ROAD
INSPECT ACCESS ROADS AND PARKING AREAS PERIODICALLY FOR CONDITION OF SURFACE. TOP DRESS WITH NEW GRAVEL AS NEEDED.
- CHAIN LINK FENCE
CHAIN LINK FENCE SHALL BE INSPECTED ON AN ANNUAL BASIS. ANY FABRIC THAT HAS BEEN DAMAGED SHALL BE REPLACED.
- VEGETATION
ALL SEEDED AREAS WITHIN THE SOLAR ARRAY SHALL BE MAINTAINED BY MOWING A MAXIMUM OF TWICE PER YEAR, IN LATE SPRING AND EARLY FALL, FOR THE LIFE OF THE SOLAR ARRAYS. THE OWNER SHALL DO A YEARLY EVALUATION OF THE TREES AND REPLACE ALL TREES THAT HAVE DIED THROUGH THE LIFE OF THE SOLAR ARRAYS.

4 MONTH CONSTRUCTION PERIOD

ITEM NO.	DESCRIPTION	MONTH OF CONSTRUCTION			
		1	2	3	4
1	SILT FENCE INSTILLATION				
2	CLEARING AND GRUBBING				
3	UTILITY CONSTRUCTION				
4	TEMPORARY SEEDING				
5	FINAL SEEDING AND REMOVAL OF TEMPORARY STRUCTURES				
6	MAINTAIN SOIL AND EROSION CONTROL STRUCTURES				

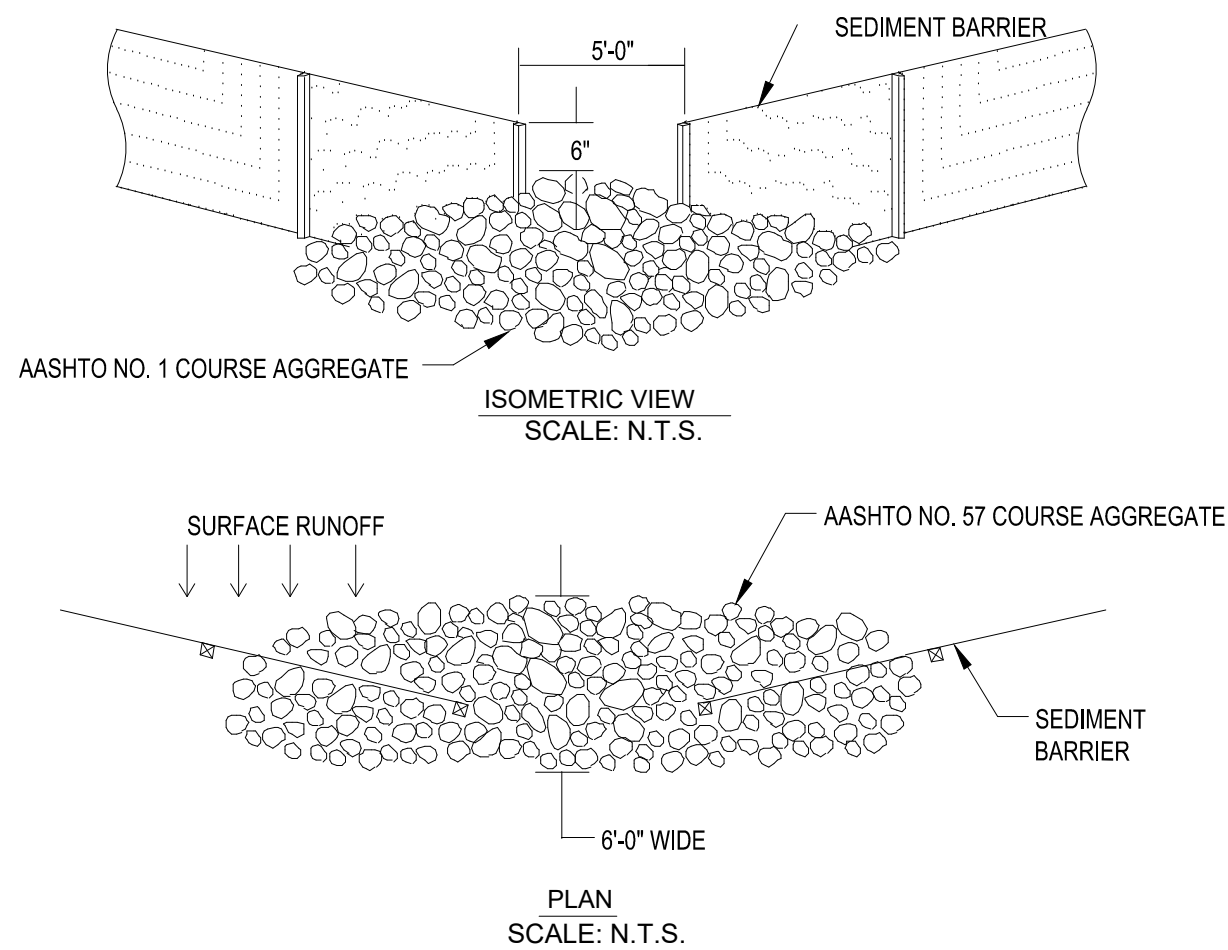
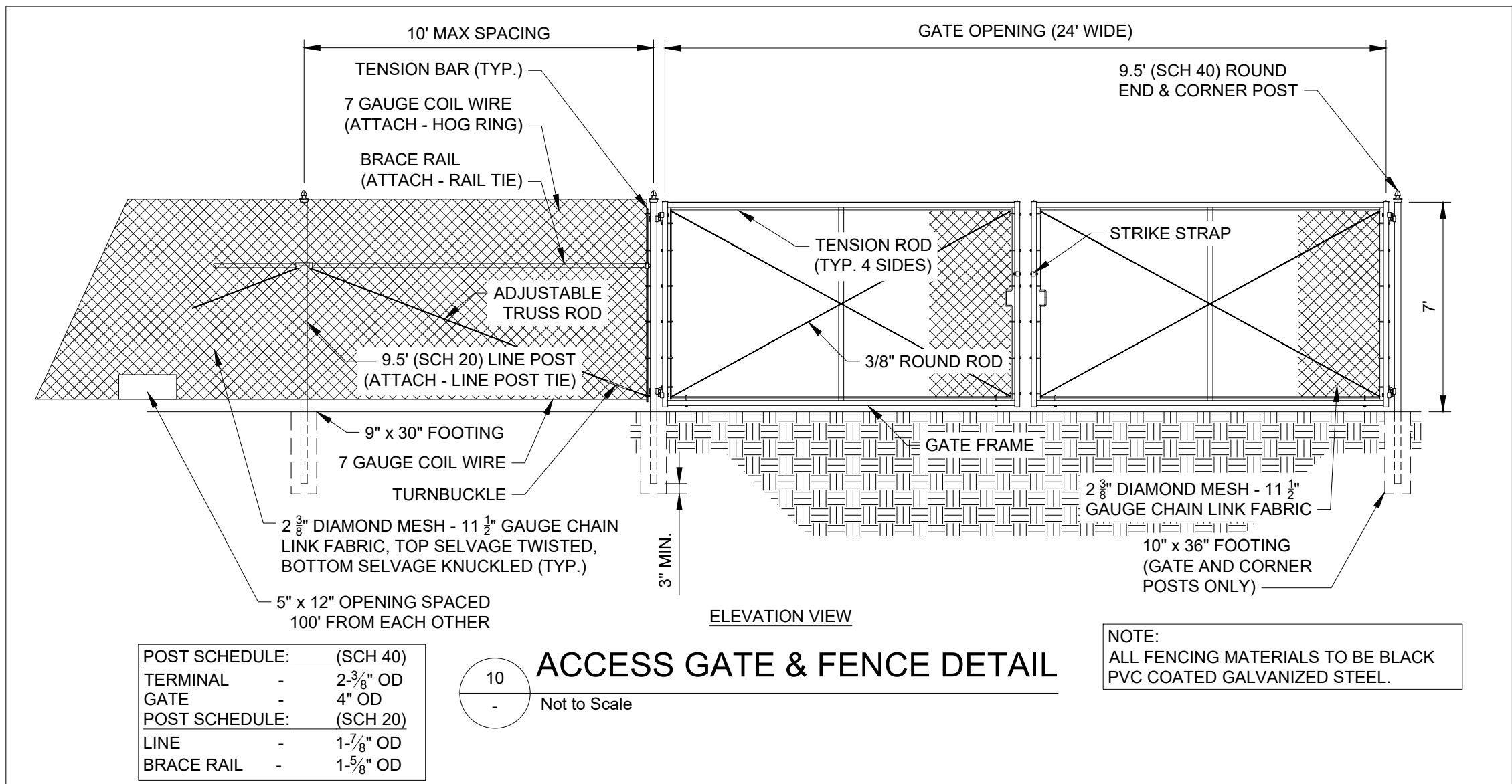
TAX ID: 3-1-72

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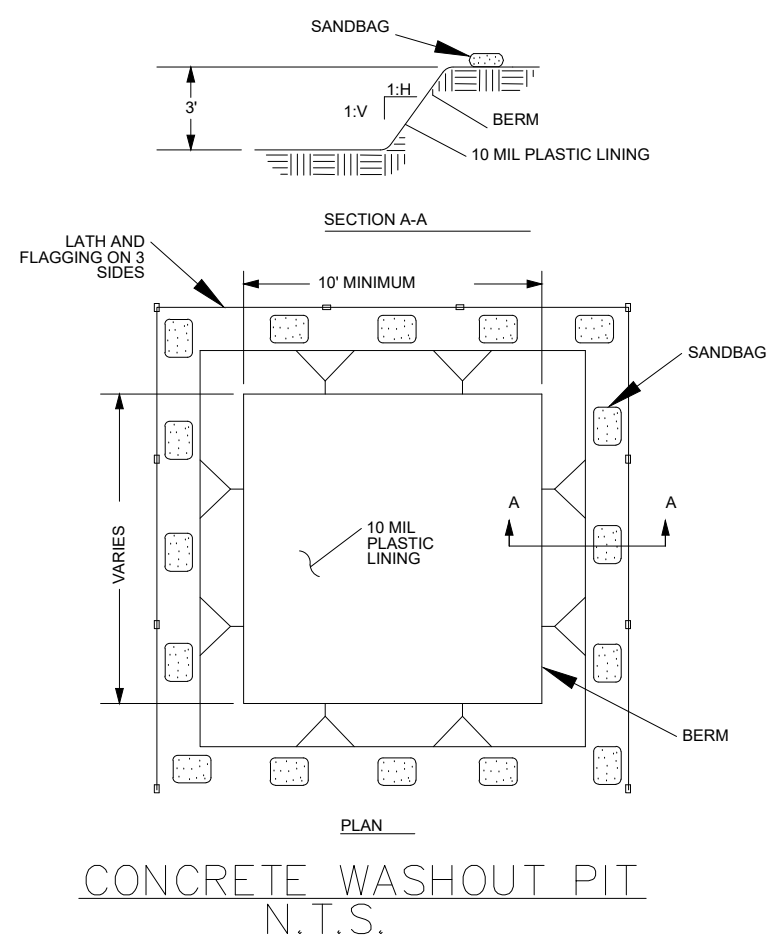
PRELIMINARY- NOT FOR CONSTRUCTION



NOTES:

- ROCK FILTER OUTLETS SHALL BE PLACED ALONG SEDIMENT BARRIERS AS SHOWN ON THE PLAN. THE ROCK FILTER OUTLET IS NOT INTENDED TO BE PLACED IN STREAMS, RIVERS, CREEKS OR DITCHES WHICH NORMALLY HAVE FLOWING WATER.
- ONCE THE DISTURBED AREA IS STABILIZED, THE ROCK FILTER OUTLET SHALL BE REMOVED AND ANY DISTURBED AREAS CAUSED BY REMOVAL SHALL BE RETURNED TO ORIGINAL CONDITION AND REVEGETATED.
- THE ROCK UTILIZED IN THE ROCK FILTER OUTLET SHALL BE CLEANED OR REPLACED WHEN THE ACCUMULATION OF SEDIMENT IS SUCH THAT THE ROCK FILTER OUTLET CAN NOT EFFECTIVELY FILTER DISCHARGE WATER.
- INSTALL AASHTO NO. 1 COURSE AGGREGATE AT THE OUTLET SIDE OF THE SEDIMENT BARRIER AS SHOWN IN THE DETAIL. AFTER INSTALLING AASHTO NO. 1 COURSE AGGREGATE, INSTALL AASHTO NO. 57 COURSE AGGREGATE AT THE INLET SIDE OF THE SEDIMENT BARRIER TO CREATE AN ADEQUATE FILTER STONE FACE FOR THE OUTLET STRUCTURE.

4 ROCK FILTER OUTLET
N.T.S.

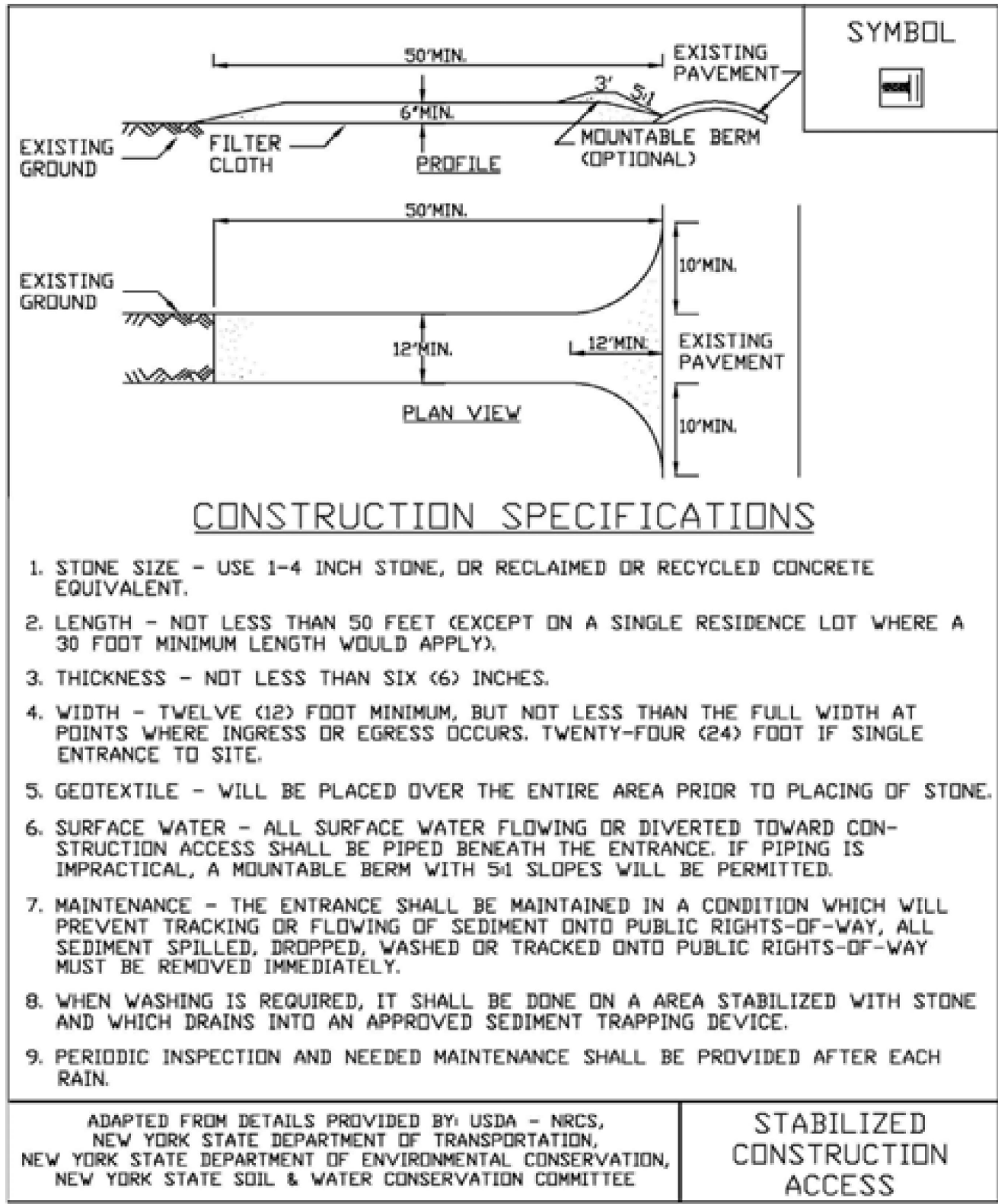


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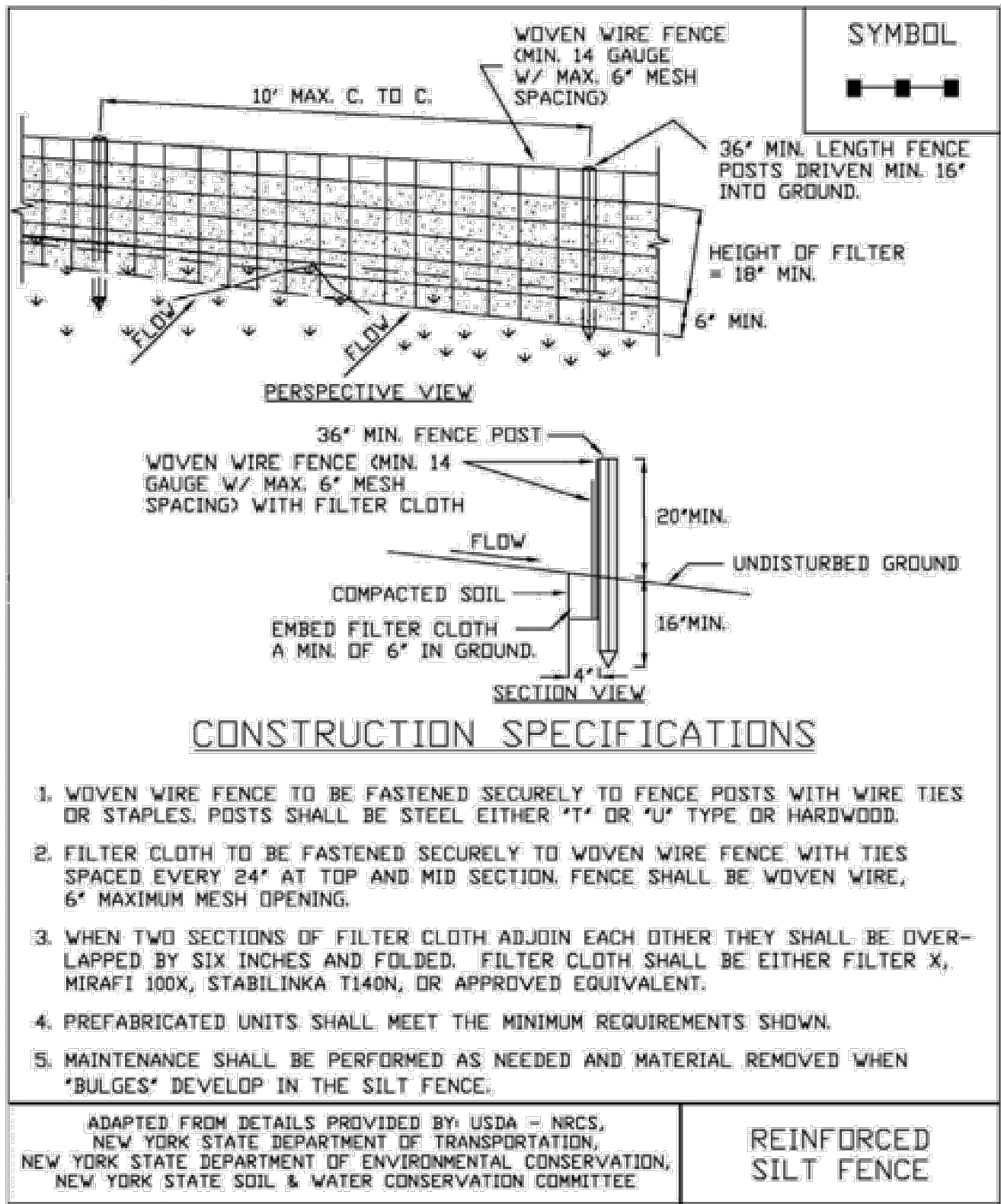
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Rev	Date	Drawn	Description	Ch'k'd	App'd
M MOTT MACDONALD			MOTT MACDONALD NY, INC. 438 Main Street, #300 Buffalo, NY 14202 United States T +1 (781) 915-0015 F +1 (781) 915-0001 W www.mottmac.com		
Client			NY SOLAR 1001, LLC		
Title			GREYCOURT ROAD SOLAR PROJECT CIVIL DETAILS		
			Designed EMJ	Check EMJ	
			Drawn DOW SEP	Approved CC	
			Scale at ANSI D N/A	Date 10/14/2021	Rev B
			Drawing Number C-402		

Figure 2.1
Stabilized Construction Access



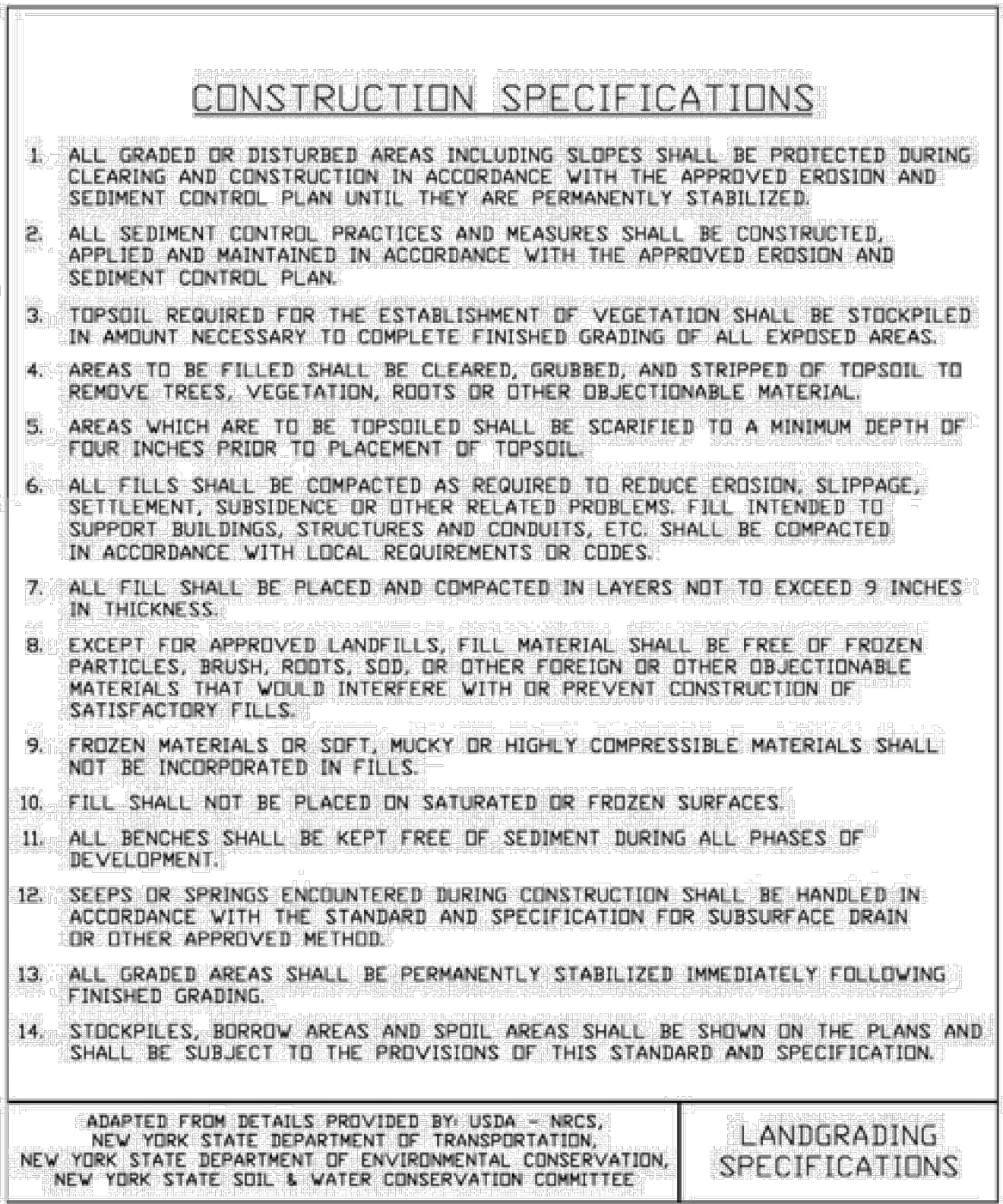
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Figure 5.30
Reinforced Silt Fence



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Figure 4.11
Landgrading - Construction Specifications



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

Table 4.7 - Topsoil Application Depth		
Site Conditions	Intended Use	Minimum Topsoil Depth
1. Deep sand or loamy sand	Mowed lawn	6 in.
	Tall legumes, unmowed	2 in.
	Tall grass, unmowed	1 in.
2. Deep sandy loam	Mowed lawn	5 in.
	Tall legumes, unmowed	2 in.
	Tall grass, unmowed	none
3. Six inches or more: silt loam, clay loam, loam, or silt	Mowed lawn	4 in.
	Tall legumes, unmowed	1 in.
	Tall grass, unmowed	1 in.

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Client
NY SOLAR 1001, LLC

Title
GREYCOURT ROAD SOLAR PROJECT
CIVIL DETAILS

PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION	Designed	EMJ	Check	EMJ
	Drawn	DOW	Approved	CC
	Scale at ANSI D	SEP	Date	Rev
	N/A	10/14/2021	B	
Drawing Number		C-403		

PRELIMINARY- NOT FOR CONSTRUCTION

STANDARD AND SPECIFICATIONS FOR
PERMANENT CONSTRUCTION AREA PLANTING



Definition & Scope

Establishing **permanent** grasses with other forbs and/or shrubs to provide a minimum 80% perennial vegetative cover on areas disturbed by construction and critical areas to reduce erosion and sediment transport. Critical areas may include but are not limited to steep excavated cut or fill slopes as well as eroding or denuded natural slopes and areas subject to erosion.

Conditions Where Practice Applies

This practice applies to all disturbed areas void of, or having insufficient, cover to prevent erosion and sediment transport. See additional standards for special situations such as sand dunes and sand and gravel pits.

Criteria

All water control measures will be installed as needed prior to final grading and seedbed preparation. Any severely compacted sections will require chiseling or disking to provide an adequate rooting zone, to a minimum depth of 12", see Soil Restoration Standard. The seedbed must be prepared to allow good soil to seed contact, with the soil not too soft and not too compact. Adequate soil moisture must be present to accomplish this. If surface is powder dry or sticky wet, postpone operations until moisture changes to a favorable condition. If seeding is accomplished within 24 hours of final grading, additional scarification is generally not needed, especially on ditch or stream banks. Remove all stones and other debris from the surface that are greater than 4 inches, or that will interfere with future mowing or maintenance.

Soil amendments should be incorporated into the upper 2 inches of soil when feasible. **The soil should be tested to determine the amounts of amendments needed.** Apply

ground agricultural limestone to attain a pH of 6.0 in the upper 2 inches of soil. If soil must be fertilized before results of a soil test can be obtained to determine fertilizer needs, apply commercial fertilizer at 600 lbs. per acre of 5-5-10 or equivalent. If manure is used, apply a quantity to meet the nutrients of the above fertilizer. This requires an appropriate manure analysis prior to applying to the site. Do not use manure on sites to be planted with birdsfoot trefoil or in the path of concentrated water flow.

Seed mixtures may vary depending on location within the state and time of seeding. Generally, warm season grasses should only be seeded during early spring, April to May. These grasses are primarily used for vegetating excessively drained sands and gravels. See Standard and Specification for Sand and Gravel Mine Reclamation. Other grasses may be seeded any time of the year when the soil is not frozen and is workable. When legumes such as birdsfoot trefoil are included, spring seeding is preferred. See Table 4.4, "Permanent Construction Area Planting Mixture Recommendations" for additional seed mixtures.

General Seed Mix:	Variety	lbs./acre	lbs/1000 sq. ft.
Red Clover ¹ OR	Acalaia, Rally, Red Head II, Renegade	8 ²	0.20
Common white clover ¹	Common	8	0.20
PLUS			
Creeping Red Fescue	Common	20	0.45
PLUS			
Smooth Bromegrass OR	Common	2	0.05
Ryegrass (perennial)	Pennfine/Linn	5	0.10

Pure Live Seed, or (PLS) refers to the amount of live seed in a lot of bulk seed. Information on the seed bag label includes the type of seed, supplier, test date, source of seed, purity, and germination. Purity is the percentage of pure seed. Germination is the percentage of pure seed that will produce normal plants when planted under favorable conditions.

To compute Pure Live Seed multiply the "germination percent" times the "purity" and divide that by 100 to get Pure Live Seed.

$$\text{Pure Live Seed (PLS)} = \frac{\% \text{ Germination} \times \% \text{ Purity}}{100}$$

For example, the PLS for a lot of Kentucky Blue grass with 75% purity and 96% germination would be calculated as follows:

$$\frac{(96) \times (75)}{100} = 72\% \text{ Pure Live Seed}$$

For 10lbs of PLS from this lot =

$$\frac{10}{0.72} = 13.9 \text{ lbs}$$

Therefore, 13.9 lbs of seed is the actual weight needed to meet 10lbs PSL from this specific seed lot.

Time of Seeding: The optimum timing for the general seed mixture is early spring. Permanent seedings may be made any time of year if properly mulched and adequate moisture is provided. Late June through early August is not a good time to seed, but may facilitate covering the land without additional disturbance if construction is completed. Portions of the seeding may fail due to drought and heat. These areas may need reseeded in late summer/fall or the following spring.

Method of seeding: Broadcasting, drilling, cultipack type seeding, or hydroseeding are acceptable methods. Proper soil to seed contact is key to successful seedings.

Mulching: Mulching is essential to obtain a uniform stand of seeded plants. Optimum benefits of mulching new seedings are obtained with the use of small grain straw applied at a rate of 2 tons per acre, and anchored with a netting or tackifier. See the Standard and Specifications for Mulching for choices and requirements.

Irrigation: Watering may be essential to establish a new seeding when a drought condition occurs shortly after a new seeding emerges. Irrigation is a specialized practice and care must be taken not to exceed the application rate for the soil or subsoil. When disconnecting irrigation pipe, be sure pipes are drained in a safe manor, not creating an erosion concern.



80% Perennial Vegetative Cover



50% Perennial Vegetative Cover

STANDARD AND SPECIFICATIONS FOR
TOPSOILING



Definition & Scope

Spreading a specified quality and quantity of topsoil materials on graded or constructed subsoil areas to provide acceptable plant cover growing conditions, thereby, reducing erosion; to reduce irrigation water needs; and to reduce the need for nitrogen fertilizer application.

Conditions Where Practice Applies

Topsoil is applied to subsoils that are droughty (low available moisture for plants), stony, slowly permeable, salty or extremely acid. It is also used to backfill around shrub and tree transplants. This standard does not apply to wetland soils.

Design Criteria

- Preserve existing topsoil in place where possible, thereby reducing the need for added topsoil.
- Conserve by stockpiling topsoil and friable fine textured subsoils that must be stripped from the excavated site and applied after final grading where vegetation will be established. Topsoil stockpiles must be stabilized. Stockpile surfaces can be stabilized by vegetation, geotextile or plastic covers. This can be aided by orientating the stockpile lengthwise into prevailing winds.
- Refer to USDA Natural Resource Conservation Service soil surveys or soil interpretation record sheets for further soil texture information for selecting appropriate design topsoil depths.

Site Preparation

- As needed, install erosion and sediment control practices such as diversions, channels, sediment traps, and stabilizing measures, or maintain if already installed.
- Complete rough grading and final grade, allowing for depth of topsoil to be added.
- Scarify all compact, slowly permeable, medium and fine textured subsoil areas. Scarify at approximately right angles to the slope direction in soil areas that are steeper than 5 percent. Areas that have been overly compacted shall be decompacted in accordance with the Soil Restoration Standard.
- Remove refuse, woody plant parts, stones over 3 inches in diameter, and other litter.

Topsoil Materials

- Topsoil shall have at least 6 percent by weight of fine textured stable organic material, and no greater than 20 percent. Muck soil shall not be considered topsoil.
- Topsoil shall have not less than 20 percent fine textured material (passing the NO. 200 sieve) and not more than 15 percent clay.
- Topsoil treated with soil sterilants or herbicides shall be so identified to the purchaser.
- Topsoil shall be relatively free of stones over 1 1/2 inches in diameter, trash, noxious weeds such as nut sedge and quackgrass, and will have less than 10 percent gravel.
- Topsoil containing soluble salts greater than 500 parts per million shall not be used.
- Topsoil may be manufactured as a mixture of a mineral component and organic material such as compost.

Application and Grading

- Topsoil shall be distributed to a uniform depth over the area. It shall not be placed when it is partly frozen, muddy, or on frozen slopes or over ice, snow, or standing water puddles.
- Topsoil placed and graded on slopes steeper than 5 percent shall be promptly fertilized, seeded, mulched, and stabilized by "tracking" with suitable equipment.
- Apply topsoil in the amounts shown in Table 4.7 below:

STANDARD AND SPECIFICATIONS FOR
TEMPORARY CONSTRUCTION AREA SEEDING



Criteria

Water management practices must be installed as appropriate for site conditions. The area must be rough graded and slopes physically stable. Large debris and rocks are usually removed. Seedbed must be seeded within 24 hours of disturbance or scarification of the soil surface will be necessary prior to seeding.

Fertilizer or lime are not typically used for temporary seedings.

IF: Spring or summer or early fall, then seed the area with ryegrass (annual or perennial) at 30 lbs. per acre (Approximately 0.7 lb./1000 sq. ft. or use 1 lb./1000 sq. ft.).

IF: Late fall or early winter, then seed Certified 'Aroostook' winter rye (cereal rye) at 100 lbs. per acre (2.5 lbs./1000 sq. ft.).

Any seeding method may be used that will provide uniform application of seed to the area and result in relatively good soil to seed contact.

Mulch the area with hay or straw at 2 tons/acre (approx. 90 lbs./1000 sq. ft. or 2 bales). Quality of hay or straw mulch allowable will be determined based on long term use and visual concerns. Mulch anchoring will be required where wind or areas of concentrated water are of concern. Wood fiber hydromulch or other sprayable products approved for erosion control (nylon web or mesh) may be used if applied according to manufacturers' specification. Caution is advised when using nylon or other synthetic products. They may be difficult to remove prior to final seeding and can be a hazard to young wildlife species.

Definition & Scope

Providing temporary erosion control protection to disturbed areas and/or localized critical areas for an interim period by covering all bare ground that exists as a result of construction activities or a natural event. Critical areas may include but are not limited to steep excavated cut or fill slopes and any disturbed, denuded natural slopes subject to erosion.

Conditions Where Practice Applies

Temporary seedings may be necessary on construction sites to protect an area, or section, where final grading is complete, when preparing for winter work shutdown, or to provide cover when permanent seedings are likely to fail due to mid-summer heat and drought. The intent is to provide temporary protective cover during temporary shutdown of construction and/or while waiting for optimal planting time.

STANDARD AND SPECIFICATIONS FOR
SOIL RESTORATION



Definition & Scope

The decompaction of areas of a development site or construction project where soils have been disturbed to recover the original properties and porosity of the soil; thus providing a sustainable growth medium for vegetation, reduction of runoff and filtering of pollutants from stormwater runoff.

Conditions Where Practice Applies

Soil restoration is to be applied to areas whose heavy construction traffic is done and final stabilization is to begin. This is generally applied in the cleanup, site restoration, and landscaping phase of construction followed by the permanent establishment of an appropriate ground cover to maintain the soil structure. Soil restoration measures should be applied over and adjacent to any runoff reduction practices to achieve design performance.



Design Criteria

- Soil restoration areas will be designated on the plan views of areas to be disturbed.

- Soil restoration will be completed in accordance with Table 4.6 on page 4.53.

Specification for Full Soil Restoration

During periods of relatively low to moderate subsoil moisture, the disturbed subsoils are returned to rough grade and the following Soil Restoration steps applied:

- Apply 3 inches of compost over subsoil. The compost shall be well decomposed (matured at least 3 months), weed-free, organic matter. It shall be aerobically composted, possess no objectionable odors, and contain less than 1%, by dry weight, of man-made foreign matter. The physical parameters of the compost shall meet the standards listed in Table 5.2 - Compost Standards Table, except for "Particle Size" 100% will pass the 1/2" sieve. **Note: All biosolids compost produced in New York State (or approved for importation) must meet NYS DEC's 6 NYCRR Part 360 (Solid Waste Management Facilities) requirements. The Part 360 requirements are equal to or more stringent than 40 CFR Part 503 which ensure safe standards for pathogen reduction and heavy metals content.**



- Till compost into subsoil to a depth of at least 12 inches using a cat-mounted ripper, tractor mounted disc, or tiller, to mix and circulate air and compost into the subsoil.
- Rock-pick until uplifted stone/rock materials of four inches and larger size are cleaned off the site.
- Apply topsoil to a depth of 6 inches.
- Vegetate as required by the seeding plan. Use appropriate ground cover with deep roots to maintain the soil structure.
- Topsoil may be manufactured as a mixture of a mineral component and organic material such as compost.

Decompaction

At the end of the project an inspector should be able to push a 3/8" metal bar 12 inches into the soil just with body weight. This should not be performed within the drip line of any existing trees or over utility installations that are within 24 inches of the surface.

Maintenance

Keep the site free of vehicular and foot traffic or other weight loads. Consider pedestrian footpaths.

Table 4.6
AG & Markets Soil Restoration Requirements

Type of Soil Disturbance	Soil Restoration Requirement		Comments/Examples
No soil disturbance	Restoration not permitted		Preservation of Natural Features
Minimal soil disturbance	Restoration not required		Clearing and grubbing
Areas where topsoil is stripped only - no change in grade	HSG A&B	HSG C&D	Protect area from any ongoing construction activities.
	Apply 6 inches of topsoil	Aerate* and apply 6 inches of topsoil	
Areas of cut or fill	HSG A&B	HSG C&D	
	Aerate* and apply 6 inches of topsoil	Apply full Soil Restoration**	
Heavy traffic areas on site (especially in a zone 5-25 feet around buildings but not within a 5 foot perimeter around foundation walls)	Apply full Soil Restoration (decompaction and compost enhancement)		
Areas where Runoff Reduction and/or Infiltration practices are applied	Restoration not required, but may be applied to enhance the reduction specified for appropriate practices.		Keep construction equipment from crossing these areas. To protect newly installed practice from any ongoing construction activities construct a single phase operation fence area
Redevelopment projects	Soil Restoration is required on redevelopment projects in areas where existing impervious area will be converted to pervious area.		
* Aeration includes the use of machines such as tractor-drawn implements with coulters making a narrow slit in the soil, a roller with many spikes making indentations in the soil, or prongs which function like a mini-subsoiler. ** Per "Deep Ripping and De-compaction, DEC 2008".			

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<div><div>M</div><div>MOTT MACDONALD</div></div>			MOTT MACDONALD NY, INC. 438 Main Street, #300 Buffalo, NY 14202 United States T +1 (781) 915-0015 F +1 (781) 915-0001 W www.mottmac.com					
Client NY SOLAR 1001, LLC								
Title GREYCOURT ROAD SOLAR PROJECT CIVIL DETAILS								
PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION			Designed EMJ	Check EMJ				
			Drawn DOW	Approved CC				
			SEP					
			Scale at ANSI D N/A	Date 10/14/2021	Rev B			
			Drawing Number	C-404				

GENERAL NOTES:

- 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.).
- LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
- REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY. FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
- 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.
- GRADE ROADWAY, WHERE NECESSARY, TO NATIVE SOIL AND DESIRED ELEVATION. MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
- REMOVE REFUSE SOILS AS DIRECTED BY THE PROJECT ENGINEER. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
- ROADWAY WIDTH TO BE DETERMINED BY CLIENT.
- THE LIMITED USE PERVIOUS ACCESS ROAD CROSS SLOPE SHALL BE 2% IN MOST CASES AND SHOULD NOT EXCEED 6%. THE LONGITUDINAL SLOPE OF THE ACCESS DRIVE SHOULD NOT EXCEED 15%.
- 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 PENE-TRIMETER READINGS. THE PENE-TRIMETER READINGS SHALL BE COMPARED TO THE RESPECTIVE RECORDED READINGS TAKEN PRIOR TO CONSTRUCTION. EVERY 100 LINEAR FEET ALONG THE PROPOSED ROADWAY.
- 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 THE INITIAL PHASES OF CONSTRUCTION, A STANDARD NEW YORK 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.
- 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
- 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:
- 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 DESIGN SPECIFIC. HYDROLOGIC/HYDROCALCULATIONS 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.
- 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.
- 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:

- 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.
- 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.
- GEOGRID SHALL BE MIRAFI BXG110 OR APPROVED EQUAL. GEOGRID SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- IF MORE THAN ONE ROLL WIDTH IS REQUIRED, ROLLS SHOULD OVERLAP A MINIMUM OF SIX INCHES.
- REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER TYING AND CONNECTIONS.
- 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:

- 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.
- INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
- 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.
- 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.
- GEOWEB SYSTEM SHALL BE PRESTO GEOSYSTEM GEOWEB OR APPROVED EQUAL. GEOWEB SHALL BE DESIGNED BASED ON EXISTING SOIL CONDITIONS AND PROPOSED HAUL ROAD SLOPES.
- 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.
- 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 ATTRA KEYS AT EACH INTERLEAF AND END TO END CONNECTIONS. REFER TO MANUFACTURER'S SPECIFICATION FOR PROPER INSTALLATION, TYING AND CONNECTIONS.

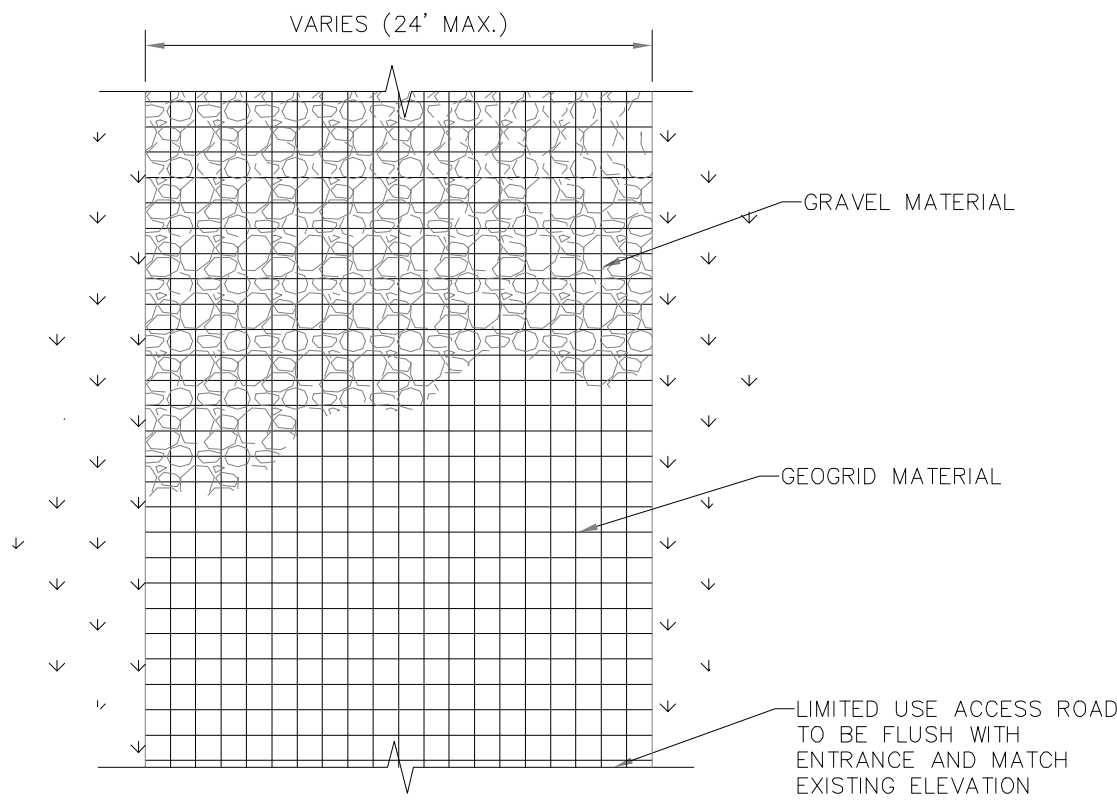
BASIS OF DESIGN: PRESTO GEOSYSTEMS GEOWEB; 670 NORTH PERKINS STREET, APPLETON, WI; 800-548-3424 OR 920-738-1222; INFO@PRESTOGEO.COM; WWW.PRESTOGEO.COM

WOVEN GEOTEXTILE MATERIAL NOTES:

- 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.
- 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.

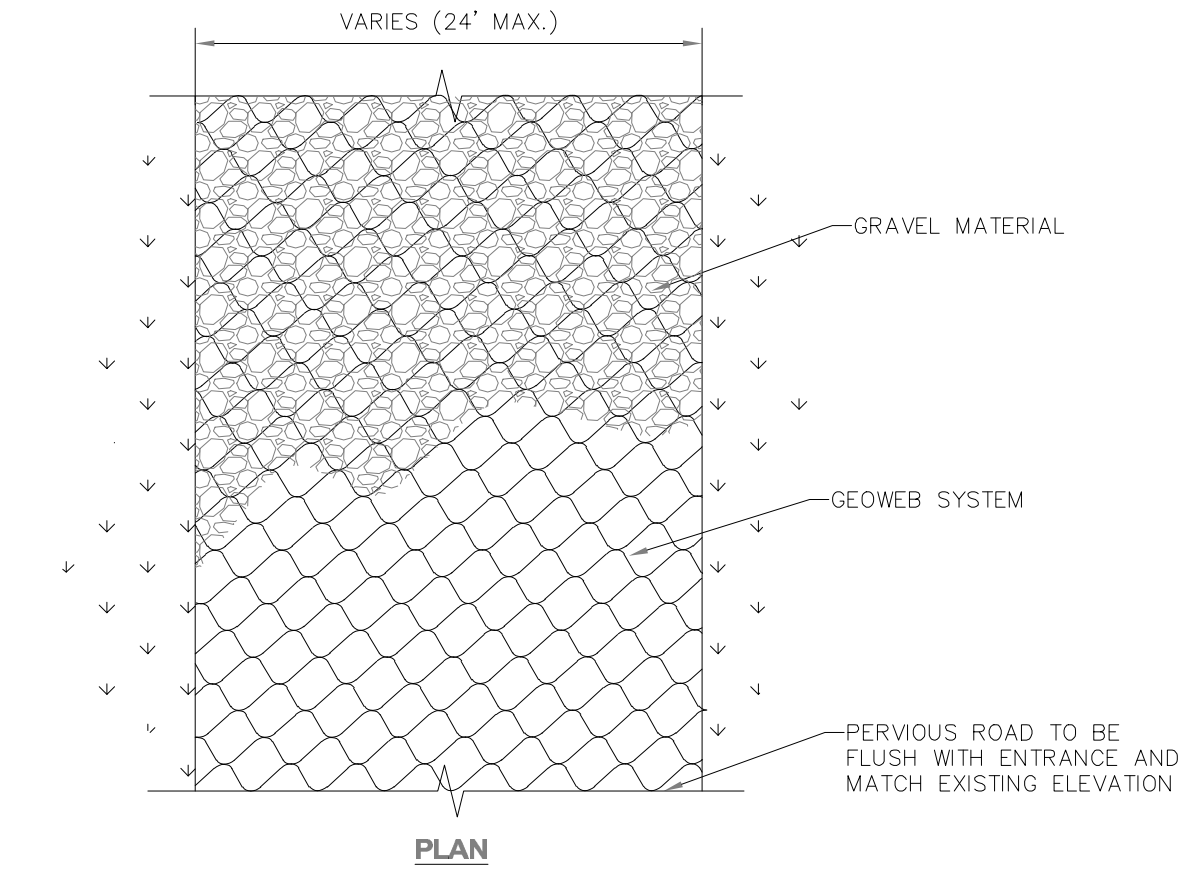
BASIS OF DESIGN: TENCATE MIRAFI RSI-SERIES WOVEN GEOSYNTHETICS; 365 SOUTH HOLLAND DRIVE, PENDERGRASS, GA;800-685-9990 OR 706-693-2226; WWW.MIRAFI.COM

It is a violation of Article 145, Section 7209.2 of the New York State Education Law for any person to alter a document sealed by a professional engineer in any way, unless acting under the direction of a licensed professional engineer. If a document bearing the seal of an engineer is altered, the altering engineer shall alter the notations and the notations shall be altered by their signature and the date of such alteration, and a specific description of the alteration. This document is issued for the party which commissioned it and for specific purposes connected with the captioned project only. It should not be relied upon by any other party or used for any other purpose. We accept no responsibility for the consequences of this document being relied upon by any other party, or being used for any other purpose, or containing any error or omission which is due to an error or omission in data supplied to us by other parties.



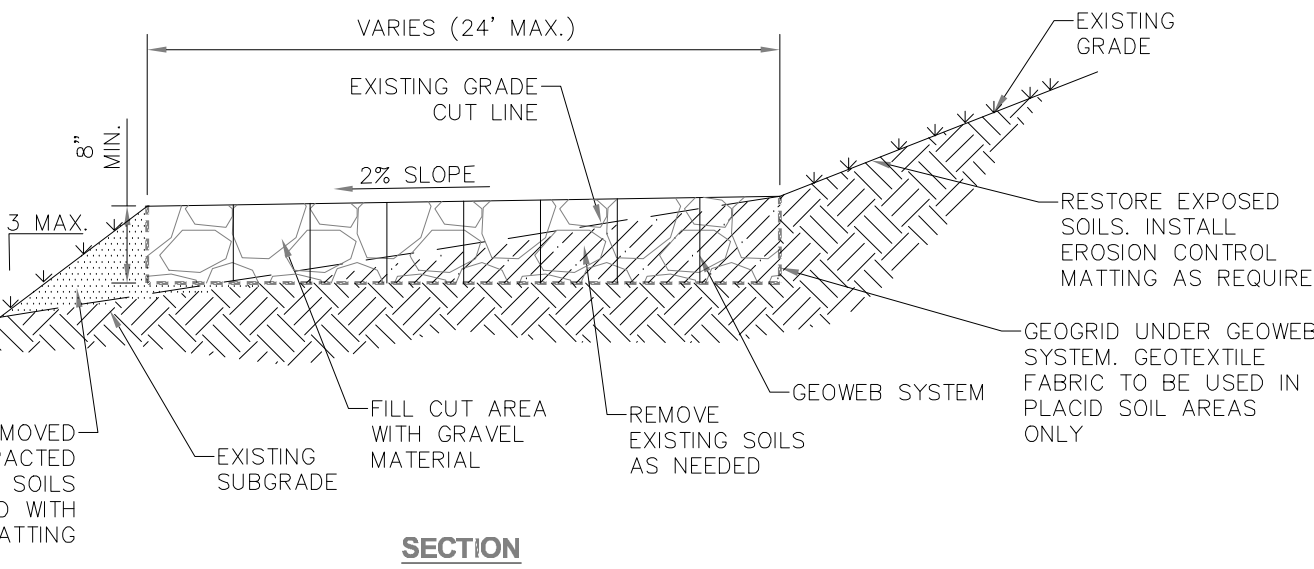
1 LIMITED USE PERVIOUS ACCESS ROAD - 0% TO 10% SLOPES

SCALE: N.T.S.



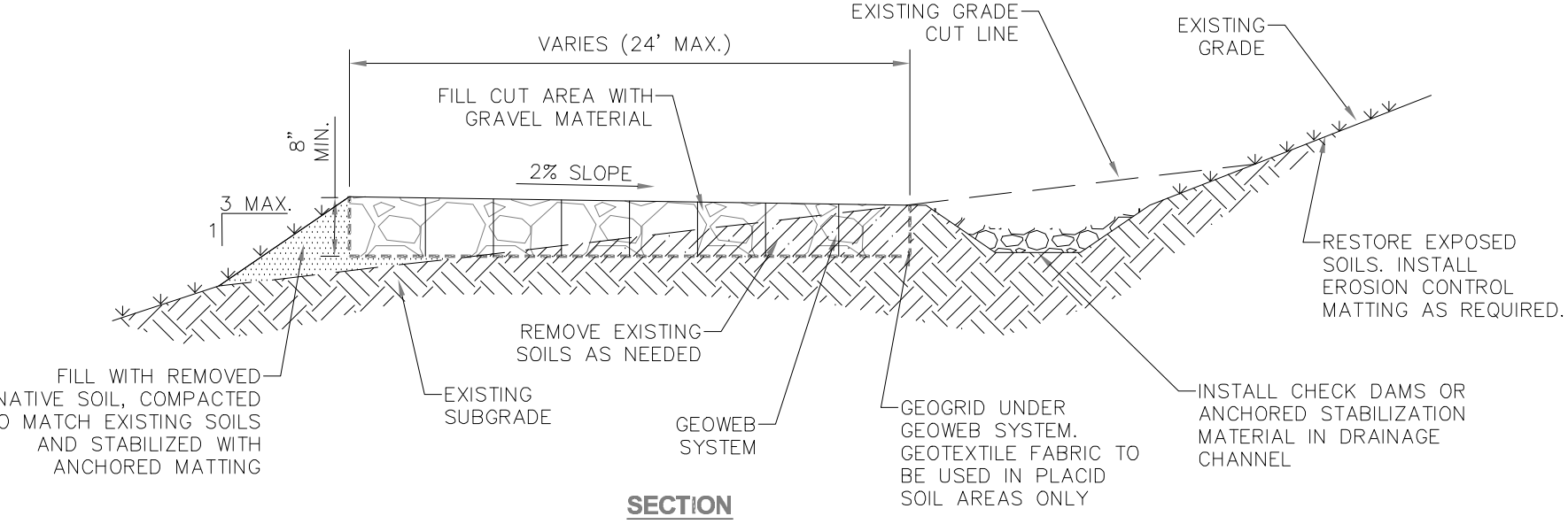
3 LIMITED USE PERVIOUS ACCESS ROAD - 10% AND GREATER SLOPES

SCALE: N.T.S.



4 GEOWEB SYSTEM

SCALE: N.T.S.

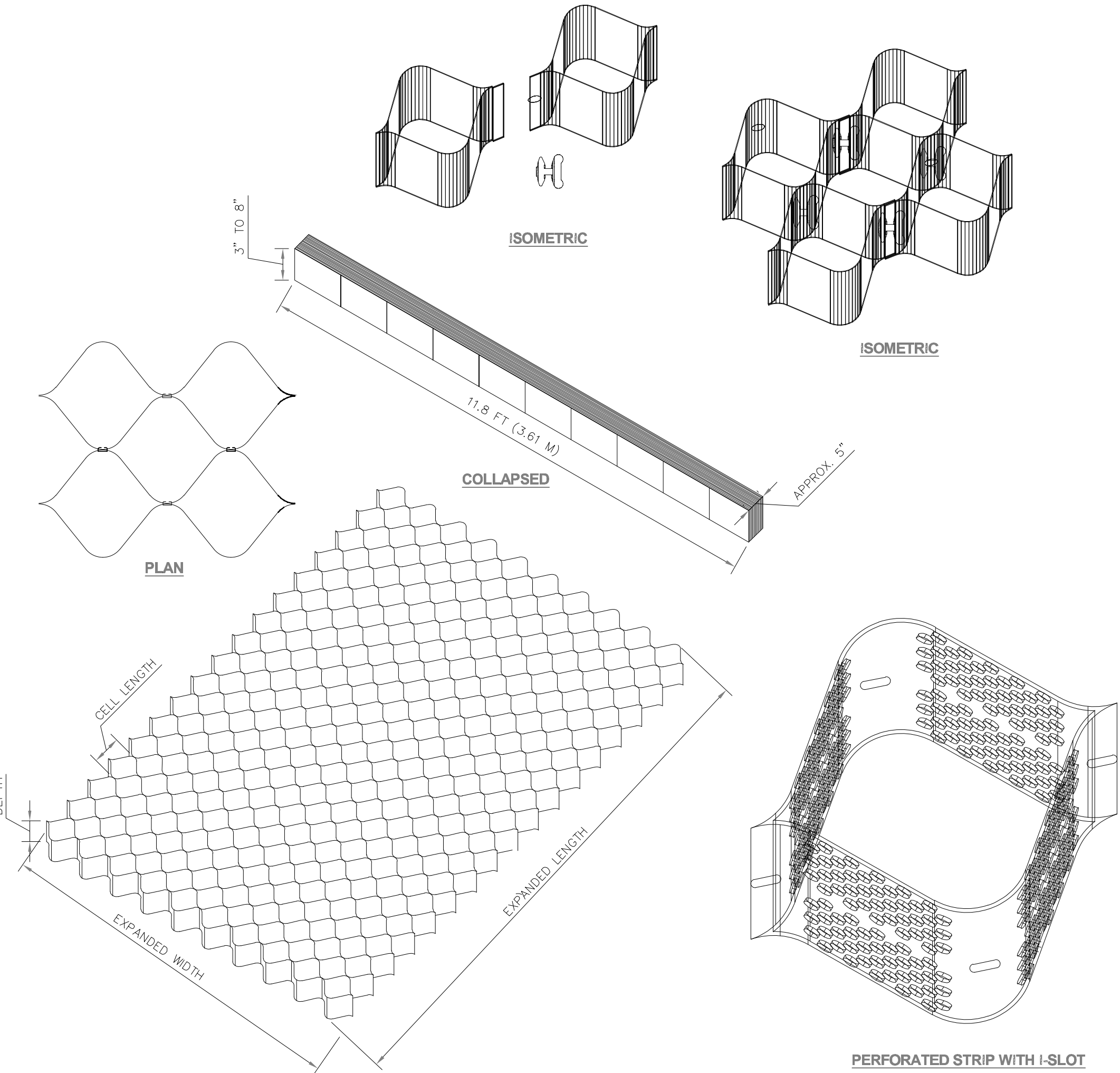


NOTE:

- 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.

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

SCALE: N.T.S.



TAX ID: 3-1-72

B	10/29/21	DOW	ISSUED FOR PERMIT	SEP	CC
A	10/14/21	D0W	ISSUED FOR PERMIT	SEP	CC
Rev	Date	Drawn	Description	Ch'k'd	App'd
<div><div>M</div><div>MOTT MACDONALD</div></div>			<div>MOTT MACDONALD NY, INC. 438 Main Street, #300 Buffalo, NY 14202</div> <div>United States T +1 (781) 915-0015 F +1 (781) 915-0001 W www.mottmac.com</div>		
Client NY SOLAR 1001, LLC					
Title GREYCOURT ROAD SOLAR PROJECT ROAD DETAILS					
PRELIMINARY NOT FOR CONSTRUCTION REPLACE WITH ENGINEERS STAMP AT CONSTRUCTION AND/OR FABRICATION	Designed	EMJ	Check	EMJ	
	Drawn	DOW	Approved	CC	
	SEP				
	Scale at ANSI D N/A		Date 10/14/2021	Rev B	
Drawing Number		C-405			

PRELIMINARY- NOT FOR CONSTRUCTION

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: Greycourt Road Solar Project		
Project Location (describe, and attach a general location map): 190 Greycourt Rd, Chester, NY 10918 New York State Tax Parcel ID: 332289 3-1-72		
Brief Description of Proposed Action (include purpose or need): The Greycourt Road Solar Project (Project) is a proposed 4.3 megawatt (MW) photovoltaic (PV) solar energy generating facility located in the Town of Chester, Orange County, New York. The Project will be sited on one tax parcel with a total leased area of approximately 22.9 acres. Within the Project, the total area of construction disturbance will be approximately 19.9 acres, known as the Limit-of-Disturbance (LOD) for the construction of the Project. The Project is in alignment with the NYS green energy initiative and will provide green energy.		
Name of Applicant/Sponsor: Chris Vorlicek Development Manager, NY Solar 1001	Telephone: 617-671-6366	
	E-Mail: chris.vorlicek@lightstar.com	
Address: 501 Boylston Street		
City/PO: Boston	State: MA	Zip Code: 02116
Project Contact (if not same as sponsor; give name and title/role): Meg Thornton	Telephone: 907-687-3619	
	E-Mail: meg.thornton@mottmac.com	
Address: 818 Alden Dr		
City/PO: Corpus Christi	State: TX	Zip Code: 78412
Property Owner (if not same as sponsor): Seely Brook Farm LLC Johnson Gary F	Telephone: 845-325-1796	
	E-Mail: JohFarm@gmail.com	
Address: 112 Johnson Rd		
City/PO: Chester	State: NY	Zip Code: 10918

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	Chester Town Board, Consultation	
b. City, Town or Village Planning Board or Commission <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Chester Town Planning Board, Consultation	
c. City, Town or Village Zoning Board of Appeals <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town Zoning Board of Appeals	
d. Other local agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Town Building Dept., Consultation MS4 review/sign	
e. County agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Orange County Planning Board Review	
f. Regional agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
g. State agencies <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	NYSDAM, NYSDEC, NYSOPRHP	
h. Federal agencies <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	FEMA, USACE, USFWS	
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):

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?

OP: Office Park District Source: Town of Chester Comprehensive Plan (2015), Official zoning map

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? Monroe - Woodbury Central

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

Chester Police Department

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

Chester Fire Department, Urgent Care Chester (Middletown Medical)

d. What parks serve the project site?

Goosepond Mountain State Park Wetland Trail

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)?

Industrial - Utility-scale Solar Energy

b. a. Total acreage of the site of the proposed action? 22.9 acres

b. Total acreage to be physically disturbed? 19.9 acres

c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 141.7 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: 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>solar arrays</u> ii. Dimensions (in feet) of largest proposed structure: _____ 12 height; _____ N/A width; and _____ N/A length iii. Approximate extent of building space to be heated or cooled: _____ 0 (PV Arrays) 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <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: _____ _____ There is a site decommissioning plan that has been prepared for the Town of Chester for the end of life of the Project to return the site back to farmlands.	

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): <u>The wetland delineation report is attached and the wetland data is shown on the civil site plans to demonstrate the avoidance of impact to those wetlands. The report has been submitted to the NYSDEC Region 3 Wetlands reviewer for verification and approval.</u> (Attach 1)	

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
iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? _____	
<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
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? _____	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<p>If Yes:</p> <p>i. How much impervious surface will the project create in relation to total size of project parcel?</p> <p>_____ Square feet or <u>0.01</u> acres (impervious surface)</p> <p>_____ Square feet or <u>22.9</u> acres (parcel size)</p> <p>ii. Describe types of new point sources. <u>The new impervious surface area is limited to two proposed concrete inverter equipment pads (0.01 acres). The gravel road will be constructed using a geoweb base and is considered pervious by the NYSDEC.</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)?</p> <p><u>The project will convert land traditionally used from crop land traditionally used for row crops into native grassland (meadow) conditions. The grading work associated with the Project will be performed with the goal of retaining the current general surface drainage patterns. (Attach 2)</u></p> <ul style="list-style-type: none"> • If to surface waters, identify receiving water bodies or wetlands: _____ 	
<ul style="list-style-type: none"> • Will stormwater runoff flow to adjacent properties? _____ 	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? _____	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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? _____	
<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<p>If Yes, identify:</p> <p>i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)</p> <p><u>For operations, a quarterly visit by pickup truck, occasional lawn moving equipment and any repair equipment required. (No permanent presence)</u></p> <p>ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)</p> <p><u>None</u></p> <p>iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)</p> <p><u>None</u></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? _____	
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
<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 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>i. Estimate methane generation in tons/year (metric): _____</p> <p>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>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>ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____</p> <p>iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____</p> <p>iv. Does the proposed action include any shared use parking? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe: _____</p> <p>vi. Are public/private transportation service(s) or facilities available within 1/2 mile of the proposed site? <input type="checkbox"/> Yes <input type="checkbox"/> No</p> <p>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>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>i. Estimate annual electricity demand during operation of the proposed action: _____</p> <p>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>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%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 5PM • Saturday: _____ N/A • Sunday: _____ N/A • Holidays: _____ N/A </td> <td style="width: 50%; vertical-align: top;"> <p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ daylight hours, staff 8am-5pm • Saturday: _____ • Sunday: _____ • Holidays: _____ </td> </tr> </table>		<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 5PM • Saturday: _____ N/A • Sunday: _____ N/A • Holidays: _____ N/A 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ daylight hours, staff 8am-5pm • Saturday: _____ • Sunday: _____ • Holidays: _____
<p>i. During Construction:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ 8AM - 5PM • Saturday: _____ N/A • Sunday: _____ N/A • Holidays: _____ N/A 	<p>ii. During Operations:</p> <ul style="list-style-type: none"> • Monday - Friday: _____ daylight hours, staff 8am-5pm • Saturday: _____ • Sunday: _____ • Holidays: _____ 		

<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>During construction, machinery used in clearing, grading, installation of piles, and transportation of equipment will provide additional noise between 8AM and 5PM for a short period of time. Overall construction duration is tentatively estimated to be four months.</p>	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<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>Describe: <u>The project will not include the removal of screening trees or other natural barriers.</u></p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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>Describe: <u>The project will not include the removal of screening trees or other natural barriers.</u></p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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>If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures:</p>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<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>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
<p>ii. Will the proposed action use Integrated Pest Management Practices? <input type="checkbox"/> Yes <input type="checkbox"/> No</p>	<input type="checkbox"/> Yes <input type="checkbox"/> No
<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: _____ 0.05 tons per _____ month (unit of time) • Operation : _____ 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: <u>Waste associated with construction will consist of cardboard waste, pallets, and other storage and shipping waste generated from building materials. Recyclable items will be separated into appropriate recycling containers.</u> • Operation: _____ <p>iii. Proposed disposal methods/facilities for solid waste generated on-site:</p> <ul style="list-style-type: none"> • Construction: <u>A refuse container will remain on-site during the duration of construction. The container will be emptied by a licensed waste hauler, as needed.</u> • Operation: _____ 	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> 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): Recreational trail to north

ii. If mix of uses, generally describe:

Agriculture field no longer being farmed; forest and recreational trail adjacent to north; commercial property across the street to the south

b. Land uses and covertypes on the project site.

Land use or Covertypes	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	0	0.01	+0.01
• Forested	0	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	22.89	+22.89
• Agricultural (includes active orchards, field, greenhouse etc.)	22.90	0	-22.90
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: <u>Concrete inverter equipment pads</u>	0	0.0	0

c. Is the project site presently used by members of the community for public recreation? i. If Yes: explain: _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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. Identify Facilities: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
e. Does the project site contain an existing dam? If Yes: i. Dimensions of the dam and impoundment: <ul style="list-style-type: none"> • 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: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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. Has the facility been formally closed? _____ • If yes, cite sources/documentation: _____ ii. Describe the location of the project site relative to the boundaries of the solid waste management facility: _____ _____	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No
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. Describe waste(s) handled and waste management activities, including approximate time when activities occurred: <u>The Phase I ESA does acknowledge some oil drums of materials at the site however these belong to the landowner and are not within the project area. (Attach 3)</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <div> <input checked="" type="checkbox"/> Yes – Spills Incidents database <input type="checkbox"/> Yes – Environmental Site Remediation database <input type="checkbox"/> Neither database </div> <div> Provide DEC ID number(s): <u>1105714 and 1602503</u> Provide DEC ID number(s): _____ </div> </div> ii. If site has been subject of RCRA corrective activities, describe control measures: _____ _____	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? If yes, provide DEC ID number(s): _____ iv. If yes to (i), (ii) or (iii) above, describe current status of site(s): _____ <u>Both of the records associated with the spills listed are closed and not considered to impact the Project.</u>	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

v. Is the project site subject to an institutional control limiting property uses? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
<ul style="list-style-type: none"> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, what proportion of the site is comprised of bedrock outcroppings? _____ %													
c. Predominant soil type(s) present on project site: <table style="width: 100%; border: none;"> <tr> <td style="width: 60%;"><u>Mardin gravelly silt loam (MdC)</u></td> <td style="width: 40%; text-align: right;"><u>59.4</u> %</td> </tr> <tr> <td><u>Erie gravelly silt loam (ErB)</u></td> <td style="text-align: right;"><u>28</u> %</td> </tr> <tr> <td><u>Otisville gravelly sandy loam (OtB)</u></td> <td style="text-align: right;"><u>9</u> %</td> </tr> </table>		<u>Mardin gravelly silt loam (MdC)</u>	<u>59.4</u> %	<u>Erie gravelly silt loam (ErB)</u>	<u>28</u> %	<u>Otisville gravelly sandy loam (OtB)</u>	<u>9</u> %						
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<u>Otisville gravelly sandy loam (OtB)</u>	<u>9</u> %												
d. What is the average depth to the water table on the project site? Average: _____ 1.4 feet													
e. Drainage status of project site soils: <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><input checked="" type="checkbox"/> Well Drained:</td> <td style="width: 70%; text-align: right;"><u>9</u> % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> Moderately Well Drained:</td> <td style="text-align: right;"><u>59.4</u> % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> Poorly Drained</td> <td style="text-align: right;"><u>28</u> % of site</td> </tr> </table>		<input checked="" type="checkbox"/> Well Drained:	<u>9</u> % of site	<input checked="" type="checkbox"/> Moderately Well Drained:	<u>59.4</u> % of site	<input checked="" type="checkbox"/> Poorly Drained	<u>28</u> % of site						
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<input checked="" type="checkbox"/> Poorly Drained	<u>28</u> % of site												
f. Approximate proportion of proposed action site with slopes: <table style="width: 100%; border: none;"> <tr> <td style="width: 30%;"><input checked="" type="checkbox"/> 0-10%:</td> <td style="width: 70%; text-align: right;"><u>35.2</u> % of site</td> </tr> <tr> <td><input checked="" type="checkbox"/> 10-15%:</td> <td style="text-align: right;"><u>64.8</u> % of site</td> </tr> <tr> <td><input type="checkbox"/> 15% or greater:</td> <td style="text-align: right;">_____ % of site</td> </tr> </table>		<input checked="" type="checkbox"/> 0-10%:	<u>35.2</u> % of site	<input checked="" type="checkbox"/> 10-15%:	<u>64.8</u> % of site	<input type="checkbox"/> 15% or greater:	_____ % of site						
<input checked="" type="checkbox"/> 0-10%:	<u>35.2</u> % of site												
<input checked="" type="checkbox"/> 10-15%:	<u>64.8</u> % of site												
<input type="checkbox"/> 15% or greater:	_____ % of site												
g. Are there any unique geologic features on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
ii. Do any wetlands or other waterbodies adjoin the project site? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
If Yes to either <i>i</i> or <i>ii</i> , 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
iv. For each identified regulated wetland and waterbody on the project site, provide the following information: <table style="width: 100%; border: none;"> <tr> <td style="width: 10%;">• Streams:</td> <td style="width: 40%;">Name <u>Seely Brook (outside of the project)</u></td> <td style="width: 50%;">Classification <u>R2UBHx</u></td> </tr> <tr> <td>• Lakes or Ponds:</td> <td>Name _____</td> <td>Classification _____</td> </tr> <tr> <td>• Wetlands:</td> <td>Name <u>3 PEM Wetlands (outside of Project)</u></td> <td>Approximate Size <u>2.49 acres</u></td> </tr> <tr> <td>• Wetland No. (if regulated by DEC)</td> <td colspan="2">_____</td> </tr> </table>		• Streams:	Name <u>Seely Brook (outside of the project)</u>	Classification <u>R2UBHx</u>	• Lakes or Ponds:	Name _____	Classification _____	• Wetlands:	Name <u>3 PEM Wetlands (outside of Project)</u>	Approximate Size <u>2.49 acres</u>	• Wetland No. (if regulated by DEC)	_____	
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• Wetlands:	Name <u>3 PEM Wetlands (outside of Project)</u>	Approximate Size <u>2.49 acres</u>											
• 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If yes, name of impaired water body/bodies and basis for listing as impaired: _____													
i. Is the project site in a designated Floodway? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No													
j. Is the project site in the 100-year Floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
k. Is the project site in the 500-year Floodplain? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No													
l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes:													
i. Name of aquifer: <u>Principal Aquifer</u>													

m. Identify the predominant wildlife species that occupy or use the project site: _____ <u>general edge species: white-tailed deer</u> <u>grey squirrel</u> <u>white-footed mouse</u> <u>coyote</u> <u>raccoon</u> <u>reptiles and insects</u>	
n. Does the project site contain a designated significant natural community? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Describe the habitat/community (composition, function, and basis for designation): _____ Oak-Tuplip Tree Forest ii. Source(s) of description or evaluation: <u>EAF Mapper - Project is located within agricultural fields and will not remove trees.</u> iii. Extent of community/habitat: • Currently: _____ 0 acres • Following completion of project as proposed: _____ 0 acres • Gain or loss (indicate + or -): _____ 0 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Species and listing (endangered or threatened): _____ Indiana bat (<i>Myotis sodalis</i>): State and Federal Endangered list; northern long-eared bat (<i>Myotis septentrionalis</i>): State and Federal Threatened list bog turtle (<i>Clemmys muhlenbergii</i>): State Endangered list; Federal Threatened list (Attach 4)	
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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes: i. Species and listing: _____ Indiana bat (<i>Myotis sodalis</i>): State and Federal Endangered list; northern long-eared bat (<i>Myotis septentrionalis</i>): State and Federal Threatened list bog turtle (<i>Clemmys muhlenbergii</i>): State Endangered list; Federal Threatened list	
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 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? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, provide county plus district name/number: <u>ORAN001</u>	
b. Are agricultural lands consisting of highly productive soils present? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No i. If Yes: acreage(s) on project site? <u>22.9</u> ii. Source(s) of soil rating(s): <u>NRCS WSS</u>	
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 If Yes: i. Nature of the natural landmark: <input type="checkbox"/> Biological Community <input type="checkbox"/> Geological Feature ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____ See <u>Cultural Resource Report- (Attach 5)</u> _____	
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 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? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes: <ul style="list-style-type: none"> i. Nature of historic/archaeological resource: <input type="checkbox"/> Archaeological Site <input type="checkbox"/> Historic Building or District ii. Name: _____ iii. Brief description of attributes on which listing is based: _____ 	
f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
g. Have additional archaeological or historic site(s) or resources been identified on the project site? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes: <ul style="list-style-type: none"> i. Describe possible resource(s): _____ ii. Basis for identification: _____ 	
h. Is the project site within five miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
If Yes: <ul style="list-style-type: none"> i. Identify resource: <u>Orange Heritage Trail</u> ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): <u>State Trail, part of Rails-to-Trails project (impact evaluated in Visual Resources Analysis- Attach 6)</u> iii. Distance between project and resource: <u>approx. 70 feet (.01 miles)</u> 	
i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
If Yes: <ul style="list-style-type: none"> i. Identify the name of the river and its designation: _____ ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 	

F. Additional Information

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

Attachments

- 1- Wetland Delineation Report
- 2- Stormwater Pollution Prevention Plan
- 3- Phase I Environmental Assessment
- 4- Wildlife Report
- 5- Phase I Cultural Resources Report
- 6- Visual Resource Assessment Report
- 7- Decommissioning Plan

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 Chris Vorlicek

Date 08 November, 2021

Signature Chris Vorlicek Title Development Manager



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



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

E.2.n.i [Natural Communities - Acres]	358.41
E.2.o. [Endangered or Threatened Species]	Yes
E.2.o. [Endangered or Threatened Species - Name]	Timber Rattlesnake, Bog Turtle, Indiana Bat, Northern Long-eared Bat
E.2.p. [Rare Plants or Animals]	No
E.3.a. [Agricultural District]	Yes
E.3.a. [Agricultural District]	ORAN001
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]	Yes - Digital mapping data for archaeological site boundaries are not available. Refer to EAF Workbook.
E.3.e.ii [National or State Register of Historic Places or State Eligible Sites - Name]	
E.3.f. [Archeological Sites]	Yes
E.3.i. [Designated River Corridor]	No