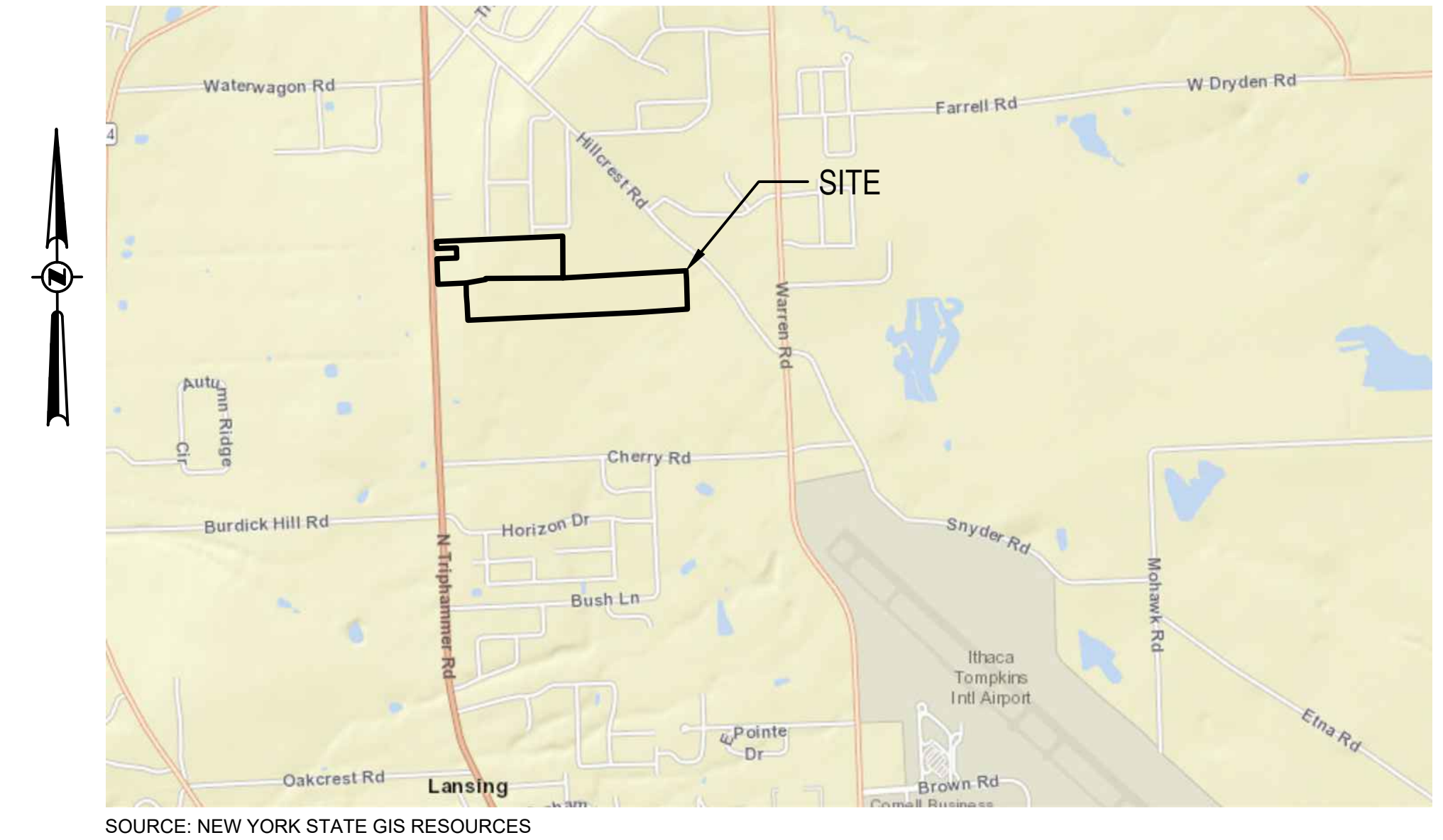


NY LANSING I, LLC

NORTH TRIPHAMMER ROAD SOLAR PROJECT 5.0 MW AC LANSING, NEW YORK



VICINITY MAP
SCALE: 1"=2000'
0 2000 4000
SCALE: 1" = 2000'

PLANS

ISSUED FOR: CLIENT REVIEW
ISSUE DATE: 07/29/2024
LAST REVISED: 01/02/2024

PROJECT CONTACTS

ENGINEER:
P.W. GROSSER CONSULTING, INC.
630 JOHNSON AVENUE, SUITE 7, BOHEMIA, NY 11716
TEL: (631) 589-6353
FAX: (631) 589-8705

MUNICIPAL CONTACTS

TOWN:
TOWN OF LANSING
26 AUBURN ROAD
LANSING, NY 14882
TEL (607) 533-4142

COUNTY:
TOMPKINS COUNTY
320 N TIOGA STREET
ITHACA, NY 14850
TEL (607) 274-5431

SITE INFORMATION

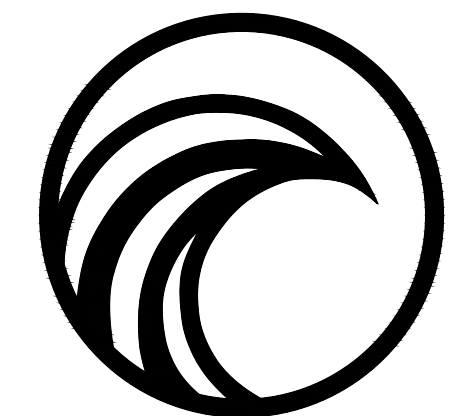
SITE: NORTH TRIPHAMMER ROAD, LANSING NY, 14882
TM #: 44-1-1.2 & 44-1-3.3
LOT AREA: 66.83 AC

SHEET INDEX

NO.	SHEET	TITLE
1.	COVER	
2.	C-001	GENERAL NOTES AND LEGEND INFORMATION
3.	C-100	EXISTING CONDITIONS PLAN
4.	C-101	CONCEPTUAL SITE LAYOUT PLAN
5.	C-102	CONCEPTUAL SITE LAYOUT PARTIAL PLAN 1 OF 2
6.	C-103	CONCEPTUAL SITE LAYOUT PARTIAL PLAN 2 OF 2
7.	C-200	CONCEPTUAL GRADING AND DRAINAGE PLAN
8.	C-201	CONCEPTUAL EROSION AND SED. CONTROL PLAN
9.	C-202	CONCEPTUAL E&SC PARTIAL PLAN 1 OF 2
10.	C-203	CONCEPTUAL E&SC PARTIAL PLAN 2 OF 2
11.	C-500	CONCEPTUAL LANDSCAPING PLAN
12.	C-501	PRIME SOILS IMPACT MAP
13.	C-502	CONCEPTUAL LANDSCAPING AND SCREENING PLAN
14.	C-503	PROPOSED WETLANDS DISTURBANCE AREA PLAN
15.	C-504	PROPOSED WETLANDS DISTURB. PARTIAL PLAN 1 OF 2
16.	C-505	PROPOSED WETLANDS DISTURB. PARTIAL PLAN 2 OF 2
17.	C-600	SITE DETAILS
18.	C-601	EROSION AND SED. CONTROL DETAILS
19.	C-602	ELECTRICAL THREE LINE DIAGRAM

CLIENT INFORMATION

CLIENT:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783



PWGC

CLIENT DRIVEN SOLUTIONS

P.W. GROSSER CONSULTING, INC.

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Bohemia • NY • 11716-2618
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E-mail: INFO@PWGROSSER.COM

COVER
SHEET 1 OF 19

FOR PERMITTING PURPOSES ONLY
NOT FOR CONSTRUCTION

BASEMAP NOTES

- EXISTING CONDITIONS BASEMAP INFORMATION IS BASED ON LIDAR FROM NYS GIS DATA DOWNLOADED ON 04-01-24.
- PROPOSED SOLAR DEVELOPMENT LAYOUT INFORMATION IS BASED ON CONCEPTUAL LAYOUT PLAN DEVELOPED BY MONGAUP RIVER SOLAR, SHEET TITLED "LAYOUT TECHNICAL REVIEW" AT 1":250' SCALE, DATED 03-26-24. ALL BASEMAP INFORMATION IS TO BE CONSIDERED APPROXIMATE AND IS TO BE FIELD VERIFIED BY A NEW YORK STATE LICENSED SURVEYOR PRIOR TO FINALIZING DESIGN.
- LOT LINES BASED ON INFORMATION PROVIDED FROM NYS GIS; DOWNLOADED ON 04-01-24.

SURVEY NOTES

- ALL SURVEY AND SITE STAKEOUTS FOR PROPOSED FEATURES SHALL BE PERFORMED BY A NEW YORK STATE LICENSED SURVEYOR.
- CONTRACTOR WILL BE RESPONSIBLE TO LOCATE, MARK AND PROTECT ALL EXISTING SURVEY, PROPERTY, AND RIGHT-OF-WAY MARKERS FOR THE SITE. ANY MARKERS, PINS, MONUMENTS OR OTHER FEATURES DEFINING PROPERTY LIMITS THAT MAY BE DISTURBED BY CONSTRUCTION ACTIVITIES SHALL BE PROPERLY TIED AND RESET BY A NEW YORK STATE LICENSED SURVEYOR UPON COMPLETION OF THE WORK.
- THE HORIZONTAL DATUM IS NAD83 NEW YORK STATE PLANE COORDINATE SYSTEM, (US FT).
- THE VERTICAL DATUM IS NAVD88.

GENERAL NOTES

- THE INFORMATION IN THIS DRAWING SET IS CONCEPTUAL AND IS INTENDED FOR TOWN BOARD PLANNING AND DISCUSSION PURPOSES ONLY. THIS DRAWING SET IS NOT TO BE USED FOR CONSTRUCTION OR BIDDING PURPOSES.
- CONTRACTOR WILL BE RESPONSIBLE TO FIELD VERIFY ALL EXISTING CONDITIONS AND SITE FEATURES PRIOR TO CONSTRUCTION. ANY DISCREPANCIES FOUND SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- CONTRACTOR WILL BE RESPONSIBLE TO LOCATE AND MARK OUT ALL EXISTING UTILITIES, INCLUDING THOSE UNDERGROUND, PRIOR TO CONSTRUCTION. ANY POTENTIAL INTERFERENCES WITH PROPOSED FEATURES SHALL BE DOCUMENTED IN WRITING AND SUBMITTED TO THE ENGINEER FOR REVIEW PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING SITE FEATURES AND UTILITIES THAT ARE NOT DESIGNATED FOR REMOVAL. ANY SITE FEATURE, UTILITY, STREET APPURTENANCE, OR OTHER ITEM THIS IS DAMAGED BY THE CONTRACTOR OR ITS SUBCONTRACTORS DURING CONSTRUCTION SHALL BE REPAIRED OR REPLACED IN-KIND BY THE CONTRACTOR, AS DETERMINED BY THE OWNER OR ENGINEER, AT NO ADDITIONAL COST TO THE OWNER.
- CONTRACTOR WILL BE REQUIRED TO OBTAIN ANY ADDITIONAL PERMITS REQUIRED TO DO THE WORK OR DELIVER MATERIALS TO THE SITE THAT ARE NOT PROVIDED BY THE OWNER OR ENGINEER. ALL WORK WITHIN AN EXISTING RIGHT-OF-WAY WILL REQUIRE PERMITTING WITH RESPECTIVE OWNER, STATE OR COUNTY AGENCY, TOWN DEPARTMENT OF PUBLIC WORKS, OR HIGHWAY DEPARTMENT AS APPLICABLE.

ZONING ANALYSIS

TM #: 44-1-12 & 44-1-33
 EXISTING ZONING: RESIDENTIAL - MODERATE DENSITY (R2)
 LOT AREA: 66.83 ACRES
 PROPOSED USE: SOLAR ENERGY FACILITY

	REQUIRED	PROPOSED
LOT SIZE	N/A	32,101 AC.
MAX. LOT COVERAGE	25%	22.01%
HEIGHT	18'	15'
PROPERTY SETBACK (FRONT & ROAD)	60'	562.4'
PROPERTY SETBACK (SIDE)	10'	54'
PROPERTY SETBACK (BACK)	25'	79.8'

EROSION AND SEDIMENT CONTROL NOTES

- ALL EROSION CONTROL MEASURES SHALL BE INSTALLED IN ACCORDANCE WITH NEW YORK STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL (BLUE BOOK), AND LOCAL GOVERNING SOIL AND WATER CONSERVATION DISTRICT STANDARDS. THE EROSION AND SEDIMENT CONTROLS SHOWN ON THESE PLANS AND AS DESCRIBED IN THE PROJECT SWPPP REPRESENT THE MINIMUM REQUIREMENTS AND ADDITIONAL EROSION AND SEDIMENT CONTROLS MAY BE REQUIRED BASED ON CONDITIONS ENCOUNTERED IN THE FIELD. CONTRACTOR WILL BE RESPONSIBLE FOR ENSURING PROJECT REMAINS IN COMPLIANCE WITH ALL APPLICABLE REGULATIONS AND STANDARDS PERTAINING TO EROSION AND SEDIMENT CONTROLS.
- EROSION AND SEDIMENT CONTROLS WILL BE INSTALLED PRIOR TO ANY EARTH DISTURBING ACTIVITIES AND WILL BE MAINTAINED FOR THE DURATION OF THE WORK, INCLUDING TEMPORARY CONSTRUCTION SWALES AND DETENTION POND WITH OUTLET STRUCTURE AND ROCK OUTLET PROTECTION.
- CONTRACTOR WILL UTILIZE MEANS, METHODS AND SEQUENCING THAT MINIMIZE THE AMOUNT OF EARTH DISTURBANCE TO THE EXTENT PRACTICAL, AND NOT TO EXCEED MORE THAN 5.0 ACRES AT ANY GIVEN TIME.
- CONTRACTOR SHALL PROTECT ALL ON-SITE, ADJACENT AND/OR DOWNSTREAM STORM/SANITARY SEWERS, AND/OR OTHER WATER COURSES FROM CONTAMINATION BY WATER BORNE SILTS, SEDIMENTS, FUELS, SOLVENTS, LUBRICANTS OR OTHER POLLUTANTS ORIGINATING FROM THE SITE OR WORK BEING PERFORMED.
- CONTRACTOR WILL FOLLOW GOOD HOUSEKEEPING AND SPILL CONTROL PRACTICES DURING SITE ACTIVITIES TO MINIMIZE STORMWATER CONTAMINATION FROM CONCRETE, PETROLEUM PRODUCTS AND WASTE MATERIALS. NO WET OR FRESH CONCRETE, LEACHATE OR WASHINGS FROM EQUIPMENT SHALL BE ALLOWED TO MIGRATE INTO EXISTING STORM/SANITARY SEWERS, DITCHES OR OTHER WATERS OF NEW YORK STATE.
- ALL EXCAVATED OR IMPORTED MATERIAL STOCKPILES SHALL BE SUITABLY STABILIZED AND SURROUNDED BY SILT FENCE TO MINIMIZE POTENTIAL FOR SEDIMENT LADEN RUNOFF DISCHARGING TO DOWNSTREAM AREAS OR DRAINAGE FEATURES. DISTURBED SOILS OR STOCKPILES THAT ARE TO BE EXPOSED FOR MORE THAN 14 CALENDAR DAYS SHALL BE TEMPORARILY STABILIZED WITH SEED MIX CONSISTING OF RYEGRASS (ANNUAL OR PERENNIAL) APPLIED AT 30 LBS PER ACRES (0.7 LBS PER 1,000 SQ. FT.), OR CERTIFIED "AROOSTOOK" WINTER RYE (CEREAL RYE) APPLIED AT 100 LBS PER ACRES (2.5 LBS PER 1,000 SQ. FT.) IF SEEDING IN OCTOBER OR NOVEMBER.
- CONTRACTOR MATERIAL AND EQUIPMENT STAGING AREAS AND CONSTRUCTION ENTRANCE LOCATIONS SHALL BE COORDINATED WITH THE OWNER PRIOR TO START OF CONSTRUCTION. CONSTRUCTION ENTRANCES AS SHOWN ON THE PLANS MAY BE MODIFIED BY THE CONTRACTOR WITH PRIOR APPROVAL FROM THE OWNER AND ENGINEER.
- ALL EXISTING OR NEWLY INSTALLED CATCH BASINS/DRAINAGE INLETS SHALL HAVE DROP INLET PROTECTION INSTALLED THROUGHOUT THE DURATION OF CONSTRUCTION TO PREVENT SEDIMENTATION FROM ENTERING THE STORM SYSTEM. CONTRACTOR SHALL MAINTAIN OR REPLACE DROP INLET PROTECTION WHEN SIGNIFICANT SEDIMENT BUILDUP IS OBSERVED OR IS NOT FUNCTIONING CORRECTLY.
- CONTRACTOR SHALL TAKE ALL NECESSARY AND APPROPRIATE MEASURES TO MITIGATE OR PREVENT FUGITIVE DUST THROUGHOUT THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL ADHERE TO METHODS AS DESCRIBED IN THE PROJECT SWPPP.
- COMPLETED WORK THAT IS NOT SUBJECT TO FURTHER EARTHWORK OR CONSTRUCTION ACTIVITIES SHALL BE PERMANENTLY SEEDED AND MULCHED WITH HAY OR STRAW WITHIN ONE WEEK OF FINAL DISTURBANCE. MULCH SHALL BE MAINTAINED UNTIL A SUITABLE VEGETATIVE COVER IS ESTABLISHED.

GRADING NOTES

- CONCEPTUAL GRADING DESIGN SHOWN IN THESE PLANS IS BASED ON NYS LIDAR INFORMATION PROVIDED TO PWGC BY PACKER ASSOCIATES, INC. AND IS TO BE CONSIDERED APPROXIMATE AND CONCEPTUAL, AND FOR DISCUSSION PURPOSES ONLY. GRADING DESIGN IS SUBJECT TO CHANGE BASED ON FURTHER SITE INVESTIGATIONS AND ANALYSIS.
- ADDITIONAL SITE GEOTECHNICAL ANALYSIS IS REQUIRED TO VERIFY GRADING CONSTRAINTS AND FEASIBILITY.
- GRADING SHALL PERFORMED IN ACCORDANCE WITH ALL APPLICABLE STATE AND OSHA REQUIREMENTS. THE CONTRACTOR SHALL CONFORM TO THE REQUIREMENTS OF OSHA, AND ANY OTHER AGENCY HAVING JURISDICTION WITH REGARD TO SAFETY PRECAUTIONS WITH TRENCHING OR EXCAVATION AND GRADING OPERATIONS. THE REQUIREMENTS SET FORTH HEREIN ARE INTENDED TO SUPPLEMENT REQUIREMENTS ESTABLISHED BY THESE AGENCIES. IN THE CASE OF A CONFLICT BETWEEN REQUIREMENTS OF OTHER JURISDICTIONAL AGENCIES AND THESE DOCUMENTS, THE MORE STRINGENT REQUIREMENT ON THE CONTRACTOR SHALL APPLY.
- VOIDS LEFT BY UTILITY OR STRUCTURE EXCAVATIONS, OR GRUBBING OPERATIONS SHALL BE BACKFILLED AND PROPERLY COMPACTED WITH STRUCTURAL FILL (NYS DOT ITEM 304.12 OR EQUIVALENT) IN AREAS UNDER AND WITHIN 5 FEET HORIZONTALLY OF ALL STRUCTURES, AND PAVEMENTS. IN GRASSED AREAS, VOIDS LEFT SHALL BE FILLED AND PROPERLY COMPACTED WITH SUITABLE ON-SITE BACKFILL AS APPROVED BY THE ENGINEER.
- THE CONTRACTOR SHALL DEWATER ALL EXCAVATIONS TO PREVENT THE INTRODUCTION OF GROUNDWATER OR PONDED WATER INTO THE TRENCHES/EXCAVATIONS AND WILL PROVIDE ALL EQUIPMENT NECESSARY TO MAINTAIN THE WATER AS NECESSARY. DEWATERING SHALL BE PERFORMED IN ACCORDANCE WITH THE PROJECT SWPPP.
- UNLESS OTHERWISE DIRECTED, THE CONTRACTOR SHALL PLACE AT MINIMUM 6 INCHES OF CLEAN TOPSOIL IN ALL DISTURBED AND NEWLY GRADED AREAS PRIOR TO SEEDING.

WETLANDS NOTES

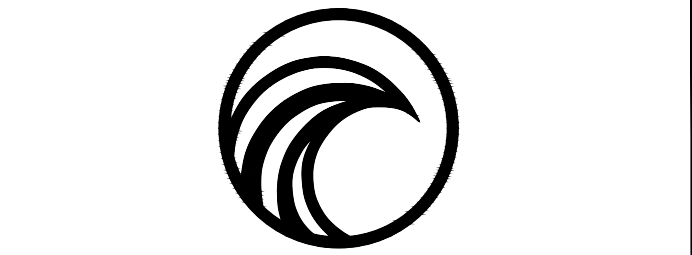
- EXISTING STREAM AND WETLANDS INFORMATION IS BASED ON DEC ENVIRONMENTAL RESOURCE MAPPER PUBLICLY AVAILABLE DATA DOWNLOADED ON 04-01-24, AND A WETLANDS DELINEATION PERFORMED BY PWGC ON 06-15-24.
- ACTUAL LIMITS OF ALL STREAMS, WETLANDS AND WETLAND ADJACENT AREAS ARE TO BE FIELD VERIFIED VIA SURVEY AND WILL BE MARKED IN THE FIELD BY SURVEY MARKERS, RIBBON, FLAGS, OR EQUIVALENT PRIOR TO START OF CONSTRUCTION.
- EFFORTS SHALL BE MADE TO MINIMIZE DISTURBANCE TO ANY STATE OR FEDERALLY REGULATED WETLANDS. UNNECESSARY REMOVAL OF VEGETATION OR DEGRADATION ALONG STREAM BANKS IS PROHIBITED.
- IF TEMPORARY ACCESS IS REQUIRED IN WETLAND AREAS, TEMPORARY TIMBER MATS WILL BE USED TO MINIMIZE DISTURBANCE TO UNDERLYING WETLAND SOILS.
- STAGING OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT IS PROHIBITED IN WETLAND AREAS.
- ANY WETLAND DISTURBANCE IS TO BE RESTORED WITH APPROPRIATE WETLAND SEED MIX IN ACCORDANCE WITH NYS DOT ITEM 203.01920007 OR MOST CURRENT NYSDEC REQUIREMENTS RELATED TO WETLAND RESTORATION. COMPONENT OF THE SEED MIX MAY BE SUBSTITUTED WITH THE ENGINEER'S APPROVAL.

WETLANDS AREA OF DISTURBANCE

ACCESS ROAD: 0.01 AC.

LEGEND

EXISTING	CONCEPTUAL	NOTES
TOPOGRAPHIC FEATURES		
		MINOR CONTOURS (5-FT INTERVAL) MAJOR CONTOURS (10-FT INTERVAL) LIMITS OF GRADING
DRAINAGE ELEMENTS		
		STREAM WATER BAR
		LINED SWALE ROCK OUTLET PROTECTION
		DRAINAGE CULVERT DETENTION POND OUTLET STRUCTURE
		STORMWATER DETENTION POND
SITE FEATURES		
		PROPERTY BOUNDARY ZONING SETBACK
		APPROXIMATE WETLAND LIMITS POTENTIAL WETLAND LIMITS
		ADJACENT PROPERTY BOUNDARY APPROXIMATE WETLANDS OFFSET
		PAVED ROADWAY GRAVEL ROADWAY
		OVERHEAD ELECTRICAL UTILITY UNDERGROUND ELECTRICAL UTILITY
		8-FT TALL DEER FENCE SOLAR PANEL ARRAY
		SEED RESTORATION LIMITS TREE LINE
EROSION AND SEDIMENT CONTROL		
		SILT FENCE LAND GRADING ACTIVITIES
		STABILIZED CONSTRUCTION ENTRANCE DUST CONTROL MEASURES
		LIMITS OF CLEARING



PWGC
 CLIENT DRIVEN SOLUTIONS
 P.W. GROSSER CONSULTING INC.

630 Johnson Avenue - Suite 7
 Bohemia, NY - 11716-2618
 Phone: (631) 589-6353 - Fax: (631) 589-8705
 E-mail: INFO@PWGROSSER.COM

CONSULTANTS



FOR PERMITTING PURPOSES ONLY NOT FOR CONSTRUCTION

7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024
Number	Revision Description	Revision Date

Designed By: _____ Date Submitted: _____
 Drawn By: **RPV** Date Created: **04/04/2024**
 Approval By: **MTS** Scale: **AS NOTED**

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN

Project Address:
NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: _____ Contact Number: _____
44-1-12 & 44-1-3.3

Regulatory Reference Number: _____

File of Drawing: _____

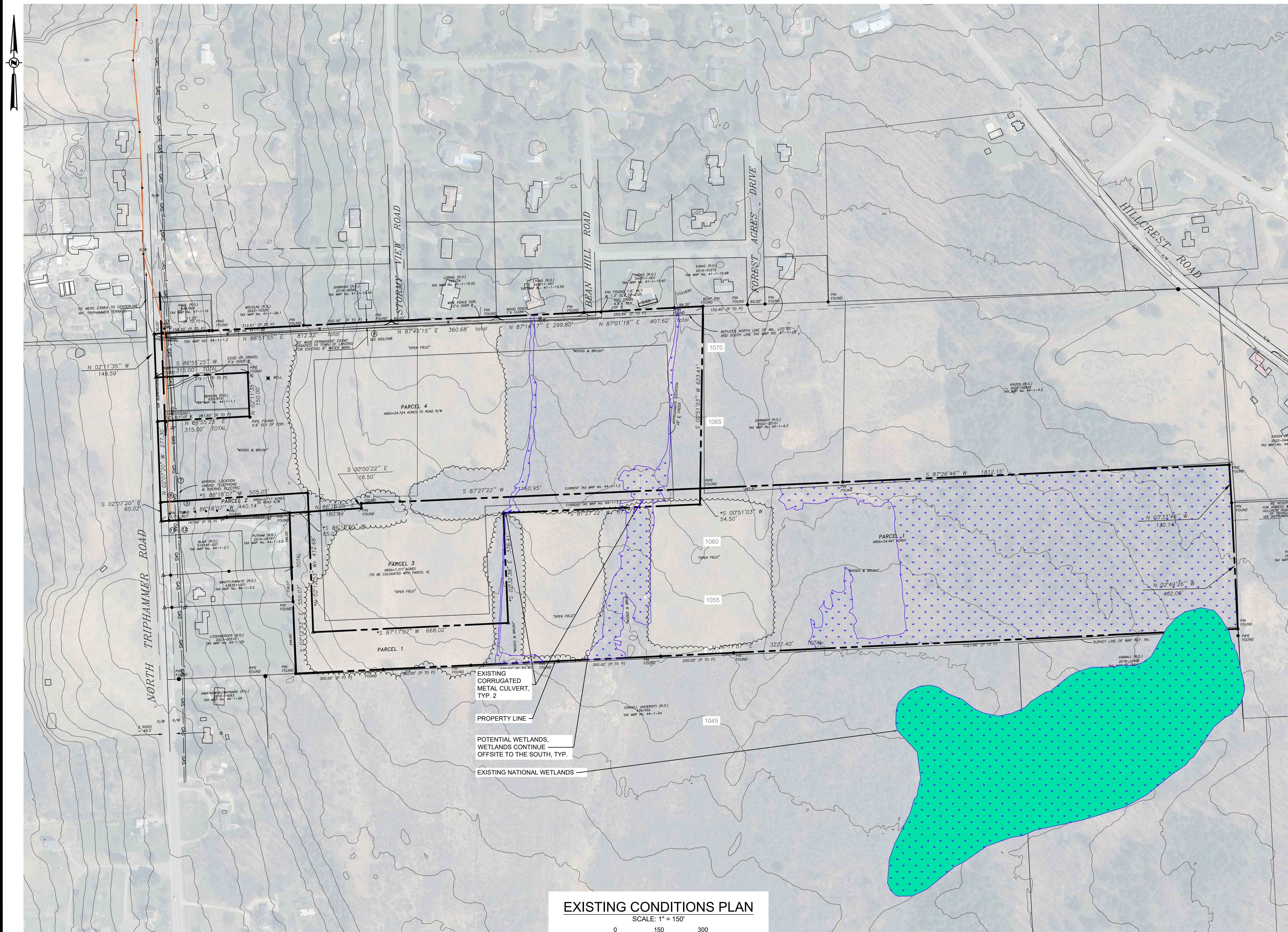
GENERAL NOTES AND LEGEND INFORMATION

Drawing Number:
C-001

Sheet **2** of **19**

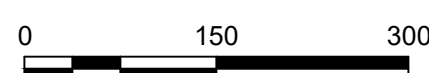
PWGC Project Number:
DRS2404

Unauthorised alteration or addition to this drawing and related documents is a violation of Section 7209 of the New York State Education Law.



EXISTING CONDITIONS PLAN

SCALE: 1" = 150'



SCALE: 1" = 150'



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 E-mail: INFO@PWGROSSER.COM

CONSULTANTS



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 NOT FOR CONSTRUCTION**

7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: _____ Date Submitted: _____
 Drawn By: **RPV** Date Created: **04/04/2024**
 Approved By: **MTS** Scale: **1" = 150'**

Client: **NY LANSING I, LLC**
P.O. BOX 384
CALLICOON, NY 12783

**NORTH TRIPHAMMER ROAD
 SOLAR FARM CONCEPTUAL
 SITE PLAN**

Project Address:
NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: **44-1-1.2 & 44-1-3.3** Contact Number: _____
 Regulatory Reference Number: _____

File of Drawing: _____

**EXISTING
 CONDITIONS
 PLAN**

Drawing Number:
C-100
 Sheet **3** of **19**
 PWGC Project Number:
DRS2404

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7		
6		
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3	CLIENT REVIEW	07/29/2024
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Designed By		Date Submitted	
Drawn By	RPV	Date Created	04/04/2024
Approved By	MTS	Scale	1" = 150'

Client: **NY LANSING I, LLC**
P.O. BOX 384
CALLICOON, NY 12783

Project: **NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

Project Address:
**NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK**

County Tax Map Number: **44-1-1.2 & 44-1-3.3**

Regulatory Reference Number: ...

File of Drawing: ...

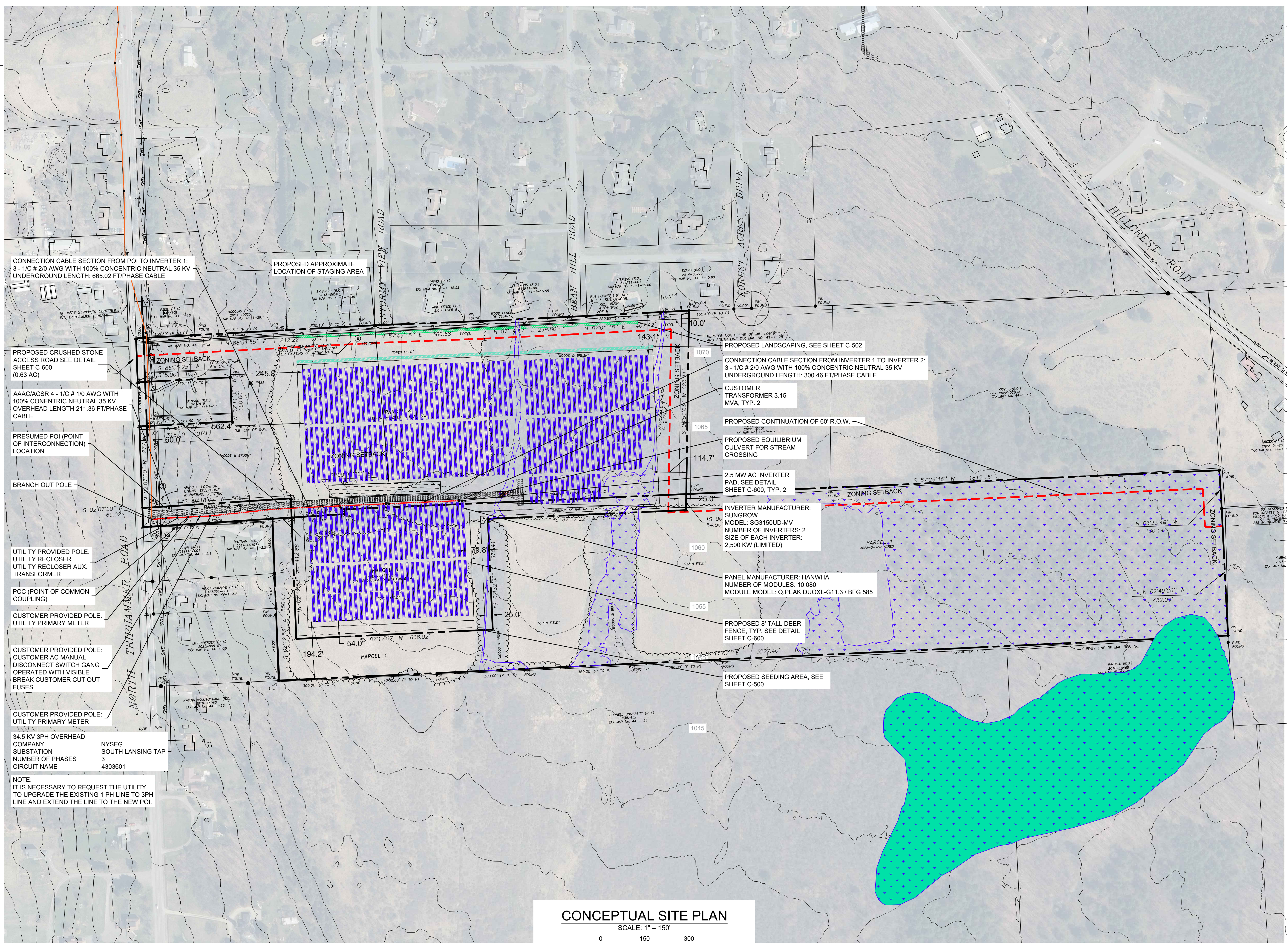
**CONCEPTUAL
SITE LAYOUT
PLAN**

Drawing Number:
C-101

Sheet **4** of **19**

PWGC Project Number:
DRS2404

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CONNECTION CABLE SECTION FROM POI TO INVERTER 1:
3 - 1/0 # 2/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV
UNDERGROUND LENGTH: 665.02 FT/PHASE CABLE

PROPOSED APPROXIMATE
LOCATION OF STAGING AREA

PROPOSED CRUSHED STONE
ACCESS ROAD SEE DETAIL
SHEET C-600
(0.63 AC)

AAAC/ACSR 4 - 1/0 # 1/0 AWG WITH
100% CONCENTRIC NEUTRAL 35 KV
OVERHEAD LENGTH 211.36 FT/PHASE
CABLE

PRESUMED POI (POINT
OF INTERCONNECTION)
LOCATION

BRANCH OUT POLE

UTILITY PROVIDED POLE:
UTILITY RECLOSER
UTILITY RECLOSER AUX.
TRANSFORMER

PCC (POINT OF COMMON
COUPLING)

CUSTOMER PROVIDED POLE:
UTILITY PRIMARY METER

CUSTOMER PROVIDED POLE:
CUSTOMER AC MANUAL
DISCONNECT SWITCH GANG
OPERATED WITH VISIBLE
BREAK CUSTOMER CUT OUT
FUSES

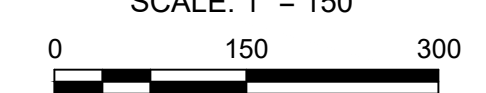
CUSTOMER PROVIDED POLE:
UTILITY PRIMARY METER

34.5 KV 3PH OVERHEAD
COMPANY
SUBSTATION
NUMBER OF PHASES
CIRCUIT NAME

NYSEG
SOUTH LANSING TAP
3
4303601

NOTE:
IT IS NECESSARY TO REQUEST THE UTILITY
TO UPGRADE THE EXISTING 1 PH LINE TO 3PH
LINE AND EXTEND THE LINE TO THE NEW POI.

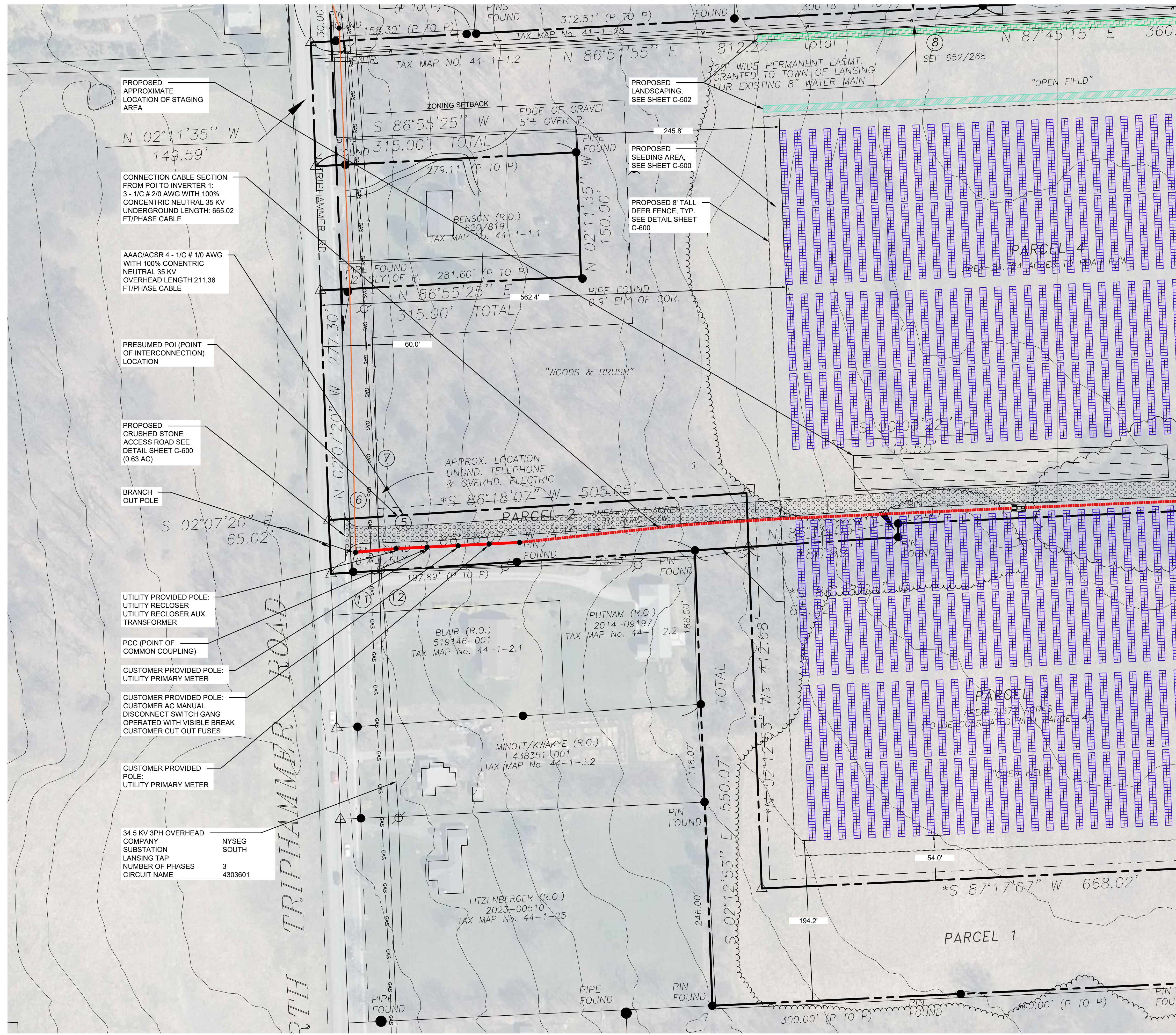
CONCEPTUAL SITE PLAN
SCALE: 1" = 150'



SCALE: 1" = 150'



MATCH LINE A



PROPOSED APPROXIMATE LOCATION OF STAGING AREA

CONNECTION CABLE SECTION FROM POI TO INVERTER 1:
3 - 1/2" #20 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV UNDERGROUND LENGTH: 665.02 FT/PHASE CABLE

AAAC/ACSR 4 - 1/2" # 1/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV OVERHEAD LENGTH 211.36 FT/PHASE CABLE

PRESUMED POI (POINT OF INTERCONNECTION) LOCATION

PROPOSED CRUSHED STONE ACCESS ROAD SEE DETAIL SHEET C-600 (0.63 AC)

BRANCH OUT POLE

UTILITY PROVIDED POLE: UTILITY RECLOSER UTILITY RECLOSER AUX. TRANSFORMER

PCC (POINT OF COMMON COUPLING)

CUSTOMER PROVIDED POLE: UTILITY PRIMARY METER

CUSTOMER PROVIDED POLE: CUSTOMER AC MANUAL DISCONNECT SWITCH GANG OPERATED WITH VISIBLE BREAK CUSTOMER CUT OUT FUSES

CUSTOMER PROVIDED POLE: UTILITY PRIMARY METER

34.5 KV 3PH OVERHEAD COMPANY SUBSTATION LANSING TAP NUMBER OF PHASES CIRCUIT NAME

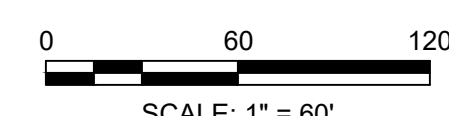
NYSEG SOUTH
3
4303601

PROPOSED LANDSCAPING, SEE SHEET C-502

PROPOSED SEEDING AREA, SEE SHEET C-500

PROPOSED 8' TALL DEER FENCE, TYP. SEE DETAIL SHEET C-600

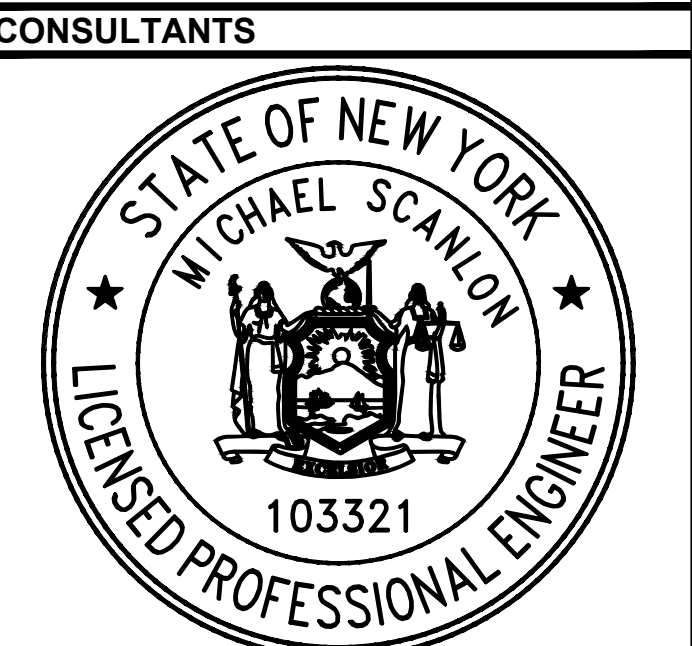
CONCEPTUAL SITE PLAN
SCALE: 1" = 60'



MATCH LINE A



630 Johnson Avenue - Suite 7
Bohemia, NY - 11716-2618
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E-mail: INFO@PWGROSSER.COM



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7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: _____ Date Submitted: _____
Drawn By: THS Date Created: 01/02/2025
Approved By: MTS Scale: 1" = 60'

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN

Project Address:
NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: 44-1-1.2 & 44-1-3.3
Regulatory Reference Number: _____

CONCEPTUAL SITE LAYOUT
PARTIAL PLAN 01 OF 02

Drawing Number:
C-102

Sheet 5 of 19
PWGC Project Number:
DRS2404

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PLOT DATE/TIME: Jan 08 2025 11:11am By: tommy



CONCEPTUAL SITE PLAN
SCALE: 1" = 60'



630 Johnson Avenue - Suite 7
Bohemia, NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS



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7		
6		
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Designed By		Date Submitted	
Drawn By	THS	Date Created	01/02/2025
Approved By	MTS	Scale	1" = 60'

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
**NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

Project Address:
**NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK**

County Tax Map Number: **44-1-1.2 & 44-1-3.3**

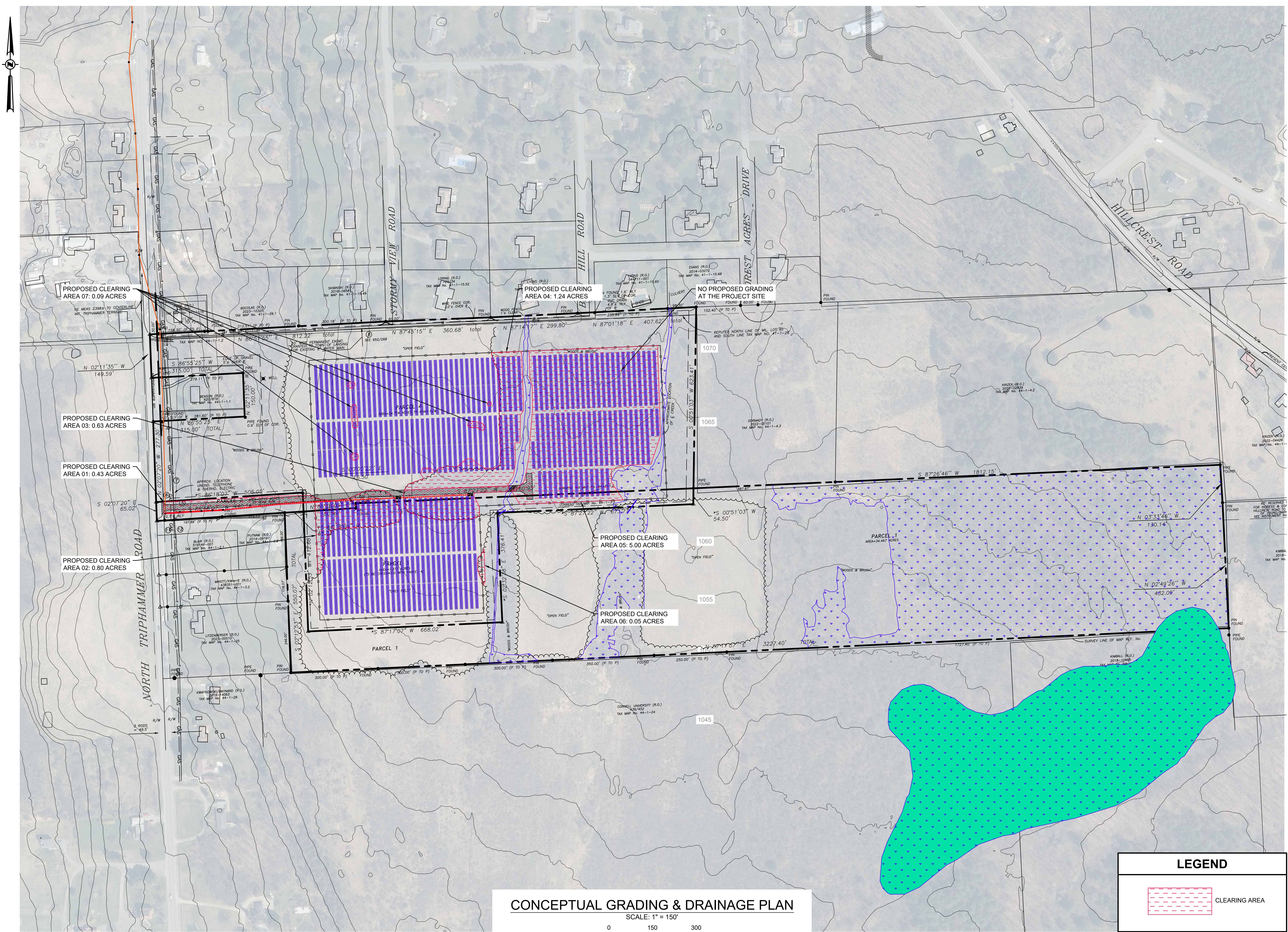
**CONCEPTUAL
SITE LAYOUT
PARTIAL PLAN 02 OF 02**

Drawing Number:
C-103

Sheet **6** of **19**

PWGC Project Number:
DRS2404

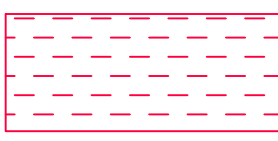
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CONCEPTUAL GRADING & DRAINAGE PLAN

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

LEGEND

 CLEARING AREA

630 Johnson Avenue - Suite 7
 Bohemia - NY - 11716-2618
 Phone: (631) 589-6353 - Fax: (631) 589-8705
 E-mail: INFO@PWGROSSER.COM



**FOR PERMITTING PURPOSES ONLY
 NOT FOR CONSTRUCTION**

7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: _____ Date Submitted: _____
 Drawn By: **RPV** Date Created: **04/04/2024**
 Approved By: **MTS** Scale: **1" = 150'**

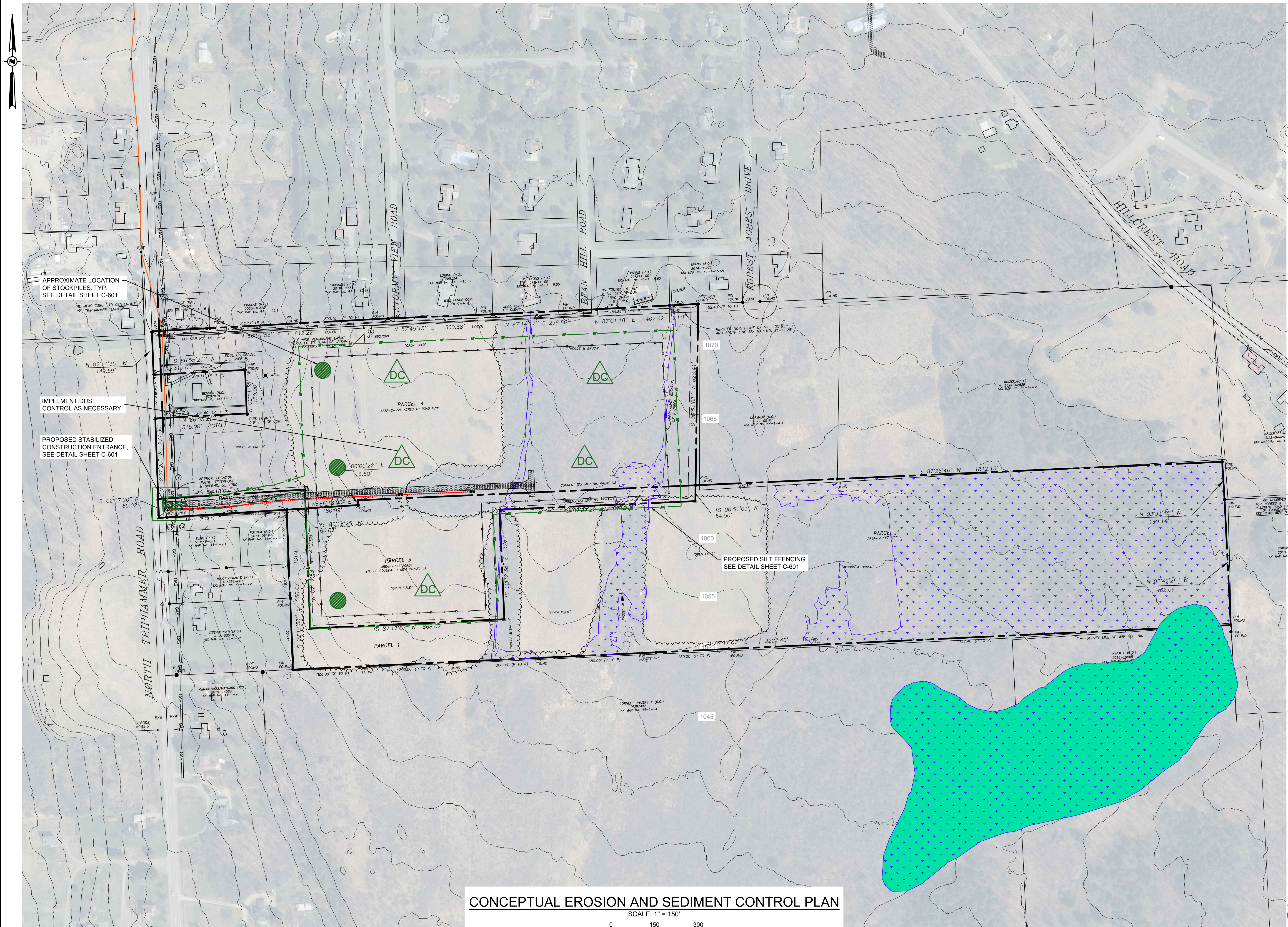
Client: **NY LANSING I, LLC**
P.O. BOX 384
CALLICOON, NY 12783
 Project: **NORTH TRIPHAMMER ROAD**
SOLAR FARM CONCEPTUAL
SITE PLAN
 Project Address: **NORTH TRIPHAMMER ROAD**
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: **44-1-1.2 & 44-1-3.3**
 Regulatory Reference Number: _____

CONCEPTUAL GRADING AND DRAINAGE PLAN

Drawing Number: **C-200**
 Sheet **7** of **19**
 PWGC Project Number: _____
DRS2404

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Number	Revision Description	Revision Date
7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: _____ Date Submitted: _____
 Drawn By: **RPV** Date Created: **04/04/24**
 Approved By: **MTS** Scale: **1" = 150'**

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

**NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

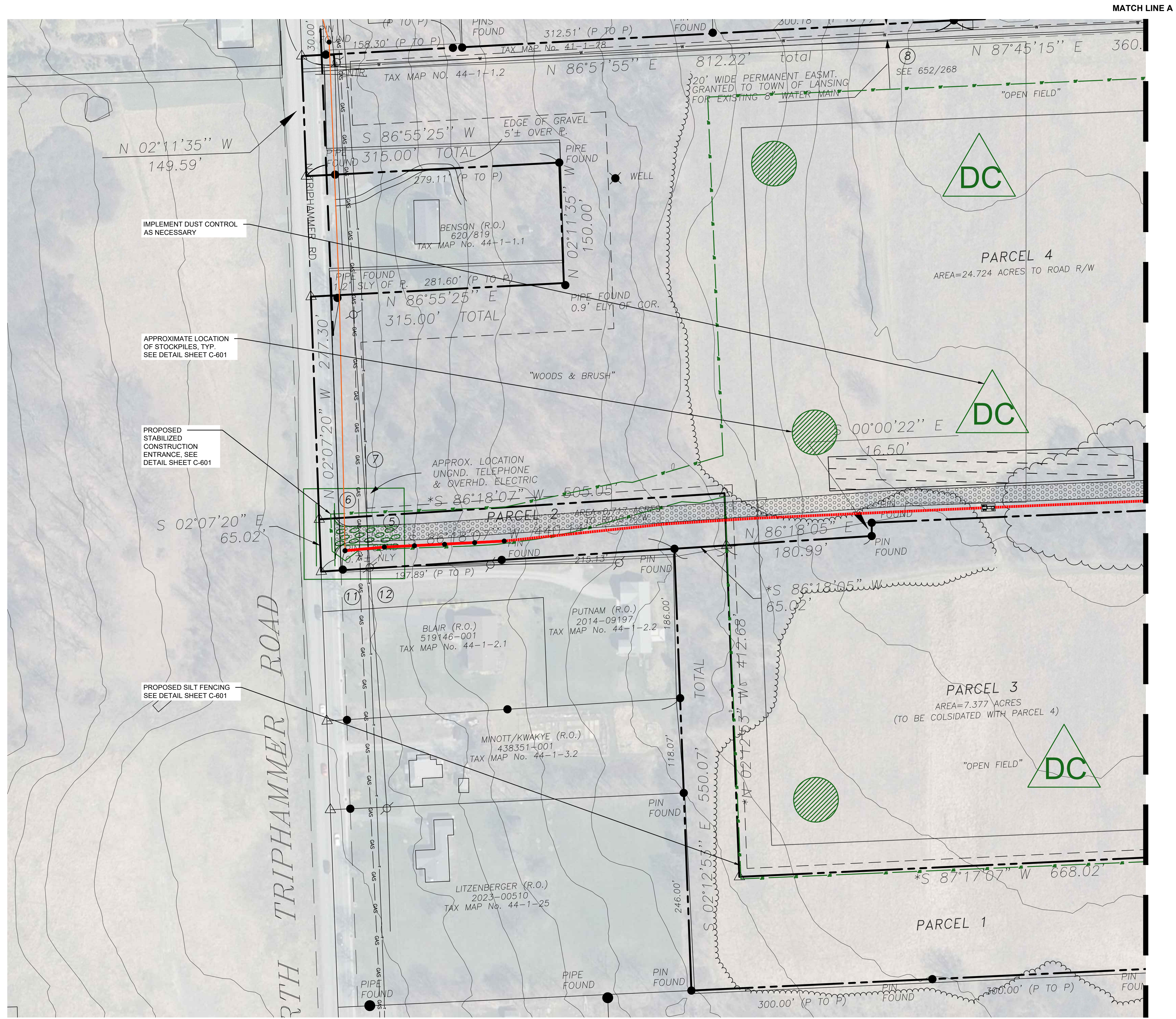
Project Address:
**NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK**

County Tax Map Number: **44-1-1.2 & 44-1-3.3**
 Regulatory Reference Number: _____

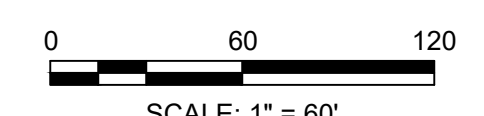
**CONCEPTUAL
EROSION AND SED.
CONTROL PLAN**

Drawing Number: **C-201**
 Sheet **8** of **19**
 Project Number: **DRS2404**

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CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN
SCALE: 1" = 60'



MATCH LINE A



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E-mail: INFO@PWGROSSER.COM

CONSULTANTS



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7		
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5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024
Number	Revision Description	Revision Date

Designed By: _____ Date Submitted: _____
Drawn By: **THS** Date Created: **01/02/2025**
Approved By: **MTS** Scale: **1" = 60'**

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
**NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

Project Address:
**NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK**

County Tax Map Number: **44-1-1.2 & 44-1-3.3**
Regulatory Reference Number: _____

**CONCEPTUAL
EROSION AND SED.
CONTROL PARTIAL PLAN**

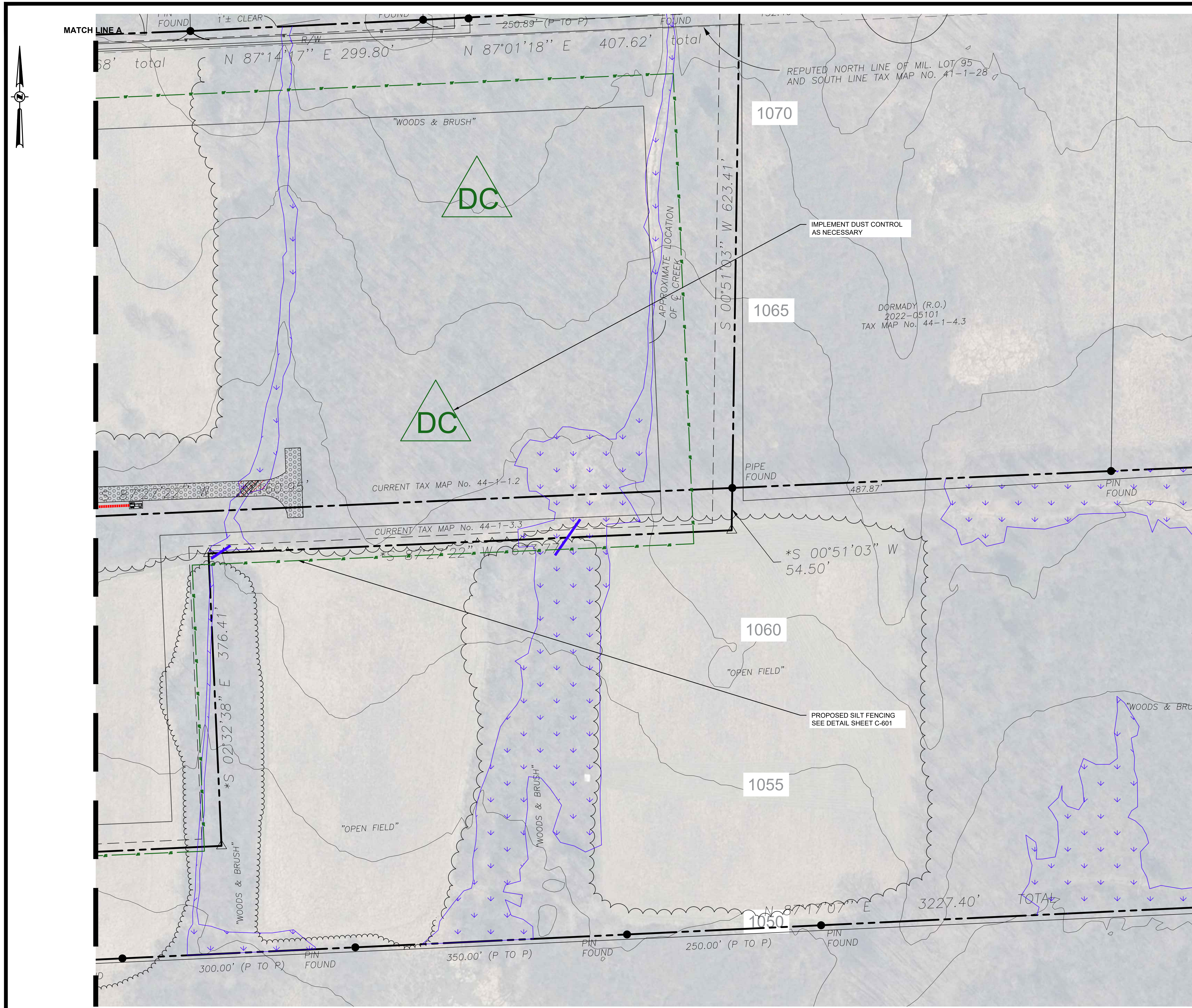
Drawing Number:
C-202

Sheet **9** of **19**

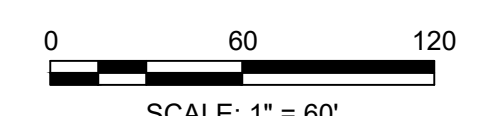
PWGC Project Number:
DRS2404

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PLOT DATE/TIME: Jan 08 2025 11:11am By: bawyer



CONCEPTUAL EROSION AND SEDIMENT CONTROL PLAN



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 P.W. GROSSER CONSULTING INC.

630 Johnson Avenue - Suite 7
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5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024
Number	Revision Description	Revision Date

Designed By: _____ Date Submitted: _____
 Drawn By: THS Date Created: 01/02/2025
 Approval By: MTS Scale: 1" = 60'

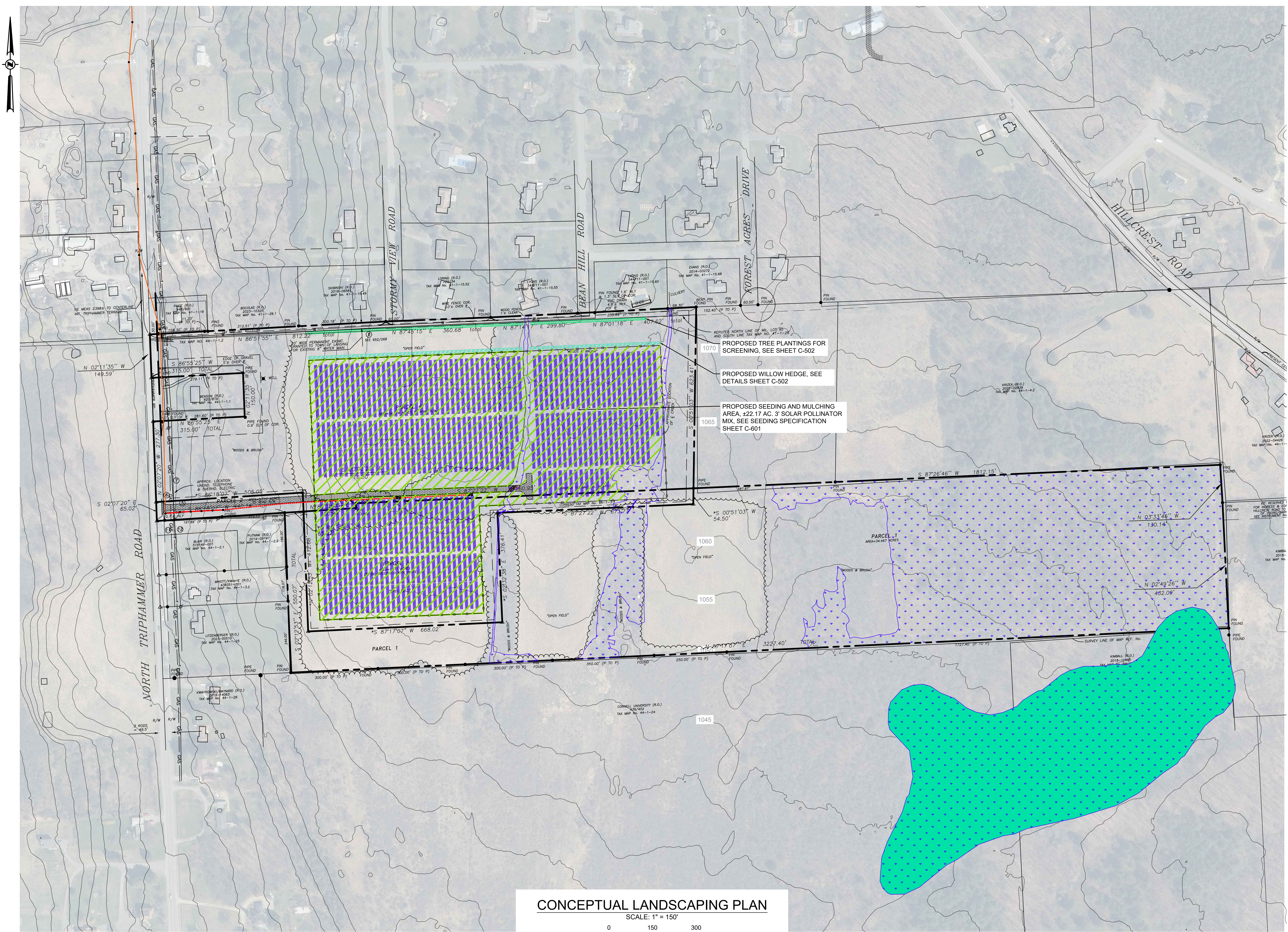
Client:
 NY LANSING I, LLC
 P.O. BOX 384
 CALLICOON, NY 12783
 Project:
**NORTH TRIPHAMMER ROAD
 SOLAR FARM CONCEPTUAL
 SITE PLAN**
 Project Address:
 NORTH TRIPHAMMER ROAD
 TOWN OF LANSING
 TOMPKINS COUNTY, NEW YORK

County Tax Map Number: 44-1-1.2 & 44-1-3.3
 Regulatory Reference Number: _____
 File of Drawing: _____

**CONCEPTUAL
 EROSION AND SED.
 CONTROL PARTIAL PLAN**

Drawing Number:
C-203
 Sheet 10 of 19
 PWGC Project Number:
DRS2404

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CONCEPTUAL LANDSCAPING PLAN
 SCALE: 1" = 150'
 0 150 300
 SCALE: 1" = 150'



**FOR PERMITTING
 PURPOSES ONLY
 NOT FOR CONSTRUCTION**

Number	Revision Description	Revision Date
7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: _____ Date Submitted: _____
 Drawn By: **RPV** Date Created: **04/04/2024**
 Approved By: **MTS** Scale: **1" = 150'**

Client: **NY LANSING I, LLC**
P.O. BOX 384
CALLICOON, NY 12783
 Project: **NORTH TRIPHAMMER ROAD**
SOLAR FARM CONCEPTUAL
SITE PLAN
 Project Address: **NORTH TRIPHAMMER ROAD**
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: **44-1-1.2 & 44-1-3.3** Contact Number: _____
 Regulatory Reference Number: _____

**CONCEPTUAL
 LANDSCAPING
 PLAN**

Drawing Number: **C-500**
 Sheet: **11** of **19**
 PWGC Project Number: _____
DRS2404

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CONSULTANTS
SYSTEM SUMMARY

MODULE:

MANUFACTURER:	HELIENE
MODEL:	144HC M10 TPC
MODULE OUTPUT POWER:	575 WP
STRING SIZE:	26
NUMBER OF STRINGS:	388
MODULE QUANTITY:	10,088
PV SYSTEM OUTPUT:	5,800.60 KWP DC

COMBINER BOX:

CB QTY/INPUTS (QTY/INP):	29 CBs (6 INPUTS) 4 CBs (5 INPUTS)
--------------------------	---------------------------------------

INVERTER:

MANUFACTURER:	SUNGROW
MODEL:	SG 3600 UD-MV
QUANTITY/RATING:	2 / 3,425 KW (LIMITED)
PV SYSTEM OUTPUT:	5,000 KW AC
DC SYSTEM VOLTAGE:	1,500 V

MV INTERCONNECTION:

TRANSFORMER QTY/RATING:	2 / 3,425 KW
INTERCON. VOLTAGE:	34.5 KV

RACKING:

MANUFACTURER:	TBD
CONFIGURATION:	SAT-1 MODULE PORTRAIT
TILT:	55°
AZIMUTH:	180°

Number	Revision Description	Revision Date
7		
6	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By:	_____	Date Submitted:	_____
Drawn By:	HLW	Date Created:	03/28/24
Approved By:	MTS	Scale:	1" = 150'

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
**NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

Project Address:
**NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK**

County Tax Map Number:
44-1-1.2 & 44-1-3.3

Regulatory Reference Number:


Date of Drawing:

**PRIME SOILS
IMPACT MAP**

Drawing Number:
C-501

Sheet:
12 of **19**

PWGC Project Number:
DRS2404



Michael Scanlon
103321
LICENSED PROFESSIONAL ENGINEER

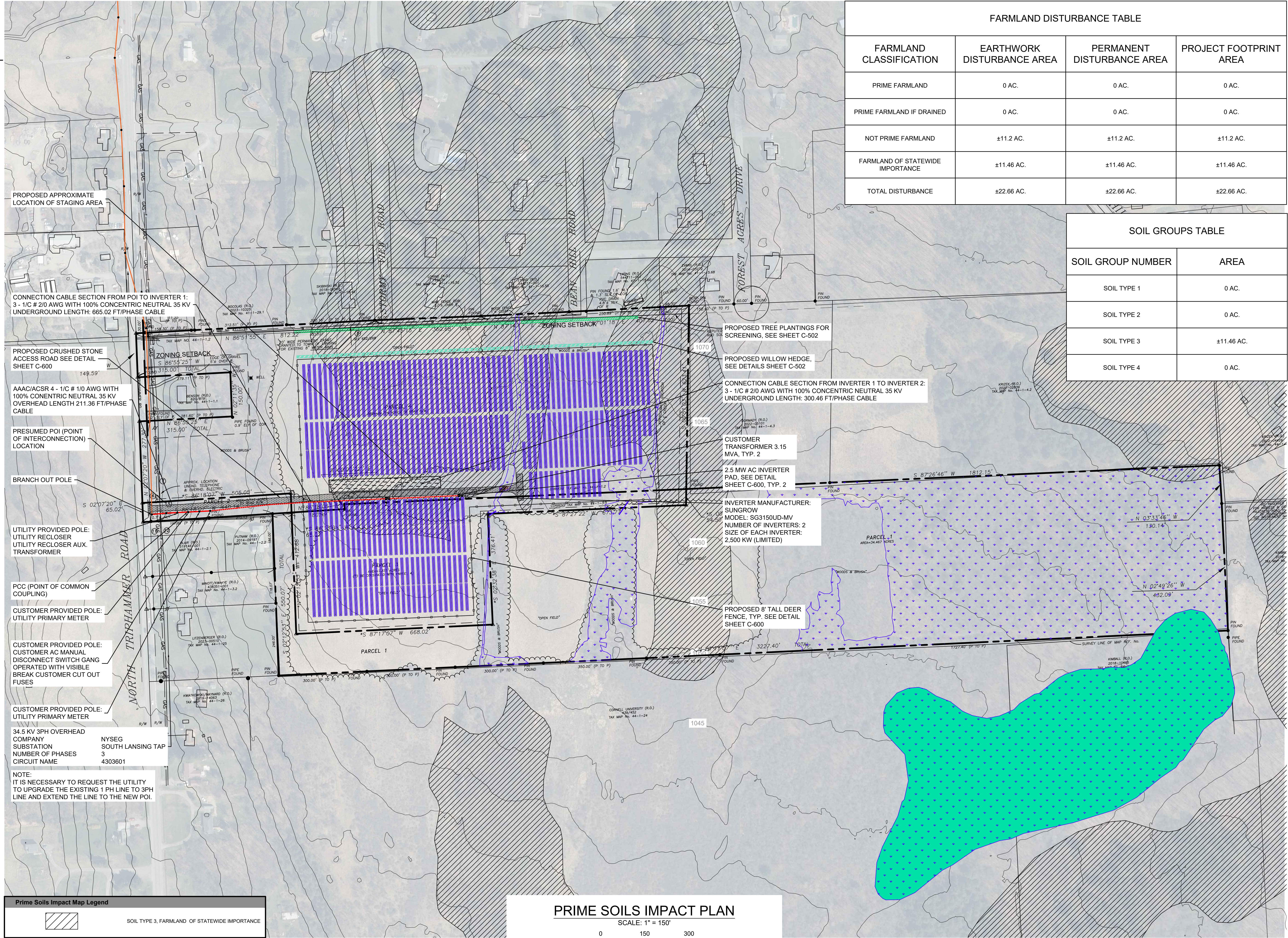
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FARMLAND DISTURBANCE TABLE

FARMLAND CLASSIFICATION	EARTHWORK DISTURBANCE AREA	PERMANENT DISTURBANCE AREA	PROJECT FOOTPRINT AREA
PRIME FARMLAND	0 AC.	0 AC.	0 AC.
PRIME FARMLAND IF DRAINED	0 AC.	0 AC.	0 AC.
NOT PRIME FARMLAND	±11.2 AC.	±11.2 AC.	±11.2 AC.
FARMLAND OF STATEWIDE IMPORTANCE	±11.46 AC.	±11.46 AC.	±11.46 AC.
TOTAL DISTURBANCE	±22.66 AC.	±22.66 AC.	±22.66 AC.

SOIL GROUPS TABLE

SOIL GROUP NUMBER	AREA
SOIL TYPE 1	0 AC.
SOIL TYPE 2	0 AC.
SOIL TYPE 3	±11.46 AC.
SOIL TYPE 4	0 AC.



PROPOSED APPROXIMATE LOCATION OF STAGING AREA

CONNECTION CABLE SECTION FROM POI TO INVERTER 1:
3 - 1/2 # 2/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV
UNDERGROUND LENGTH: 665.02 FT/PHASE CABLE

PROPOSED CRUSHED STONE ACCESS ROAD SEE DETAIL SHEET C-600

AAAC/ACSR 4 - 1/C # 1/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV OVERHEAD LENGTH 211.36 FT/PHASE CABLE

PRESUMED POI (POINT OF INTERCONNECTION) LOCATION

BRANCH OUT POLE

UTILITY PROVIDED POLE: UTILITY RECLOSER UTILITY RECLOSER AUX. TRANSFORMER

PCC (POINT OF COMMON COUPLING)

CUSTOMER PROVIDED POLE: UTILITY PRIMARY METER

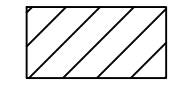
CUSTOMER PROVIDED POLE: CUSTOMER AC MANUAL DISCONNECT SWITCH GANG OPERATED WITH VISIBLE BREAK CUSTOMER CUT OUT FUSES

CUSTOMER PROVIDED POLE: UTILITY PRIMARY METER

34.5 KV 3PH OVERHEAD COMPANY SOUTH LANSING TAP
SUBSTATION
NUMBER OF PHASES 3
CIRCUIT NAME 4303601


NOTE:
IT IS NECESSARY TO REQUEST THE UTILITY TO UPGRADE THE EXISTING 1 PH LINE TO 3PH LINE AND EXTEND THE LINE TO THE NEW POI.

Prime Soils Impact Map Legend

	SOIL TYPE 3, FARMLAND OF STATEWIDE IMPORTANCE
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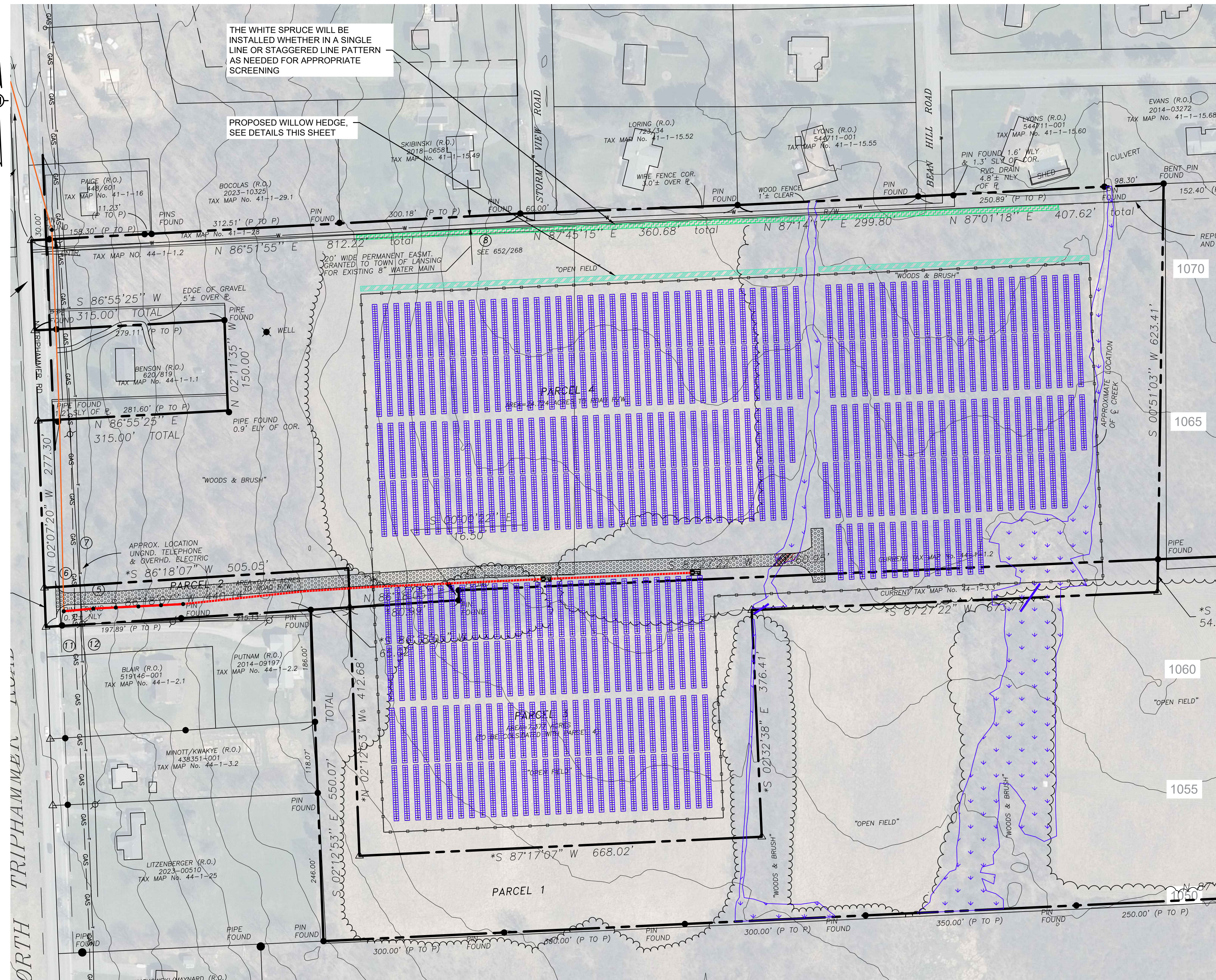
PRIME SOILS IMPACT PLAN

SCALE: 1" = 150'



SCALE: 1" = 150'

PLOT DATE/TIME: Jan 08 2025 11:14:11 AM By: hmw



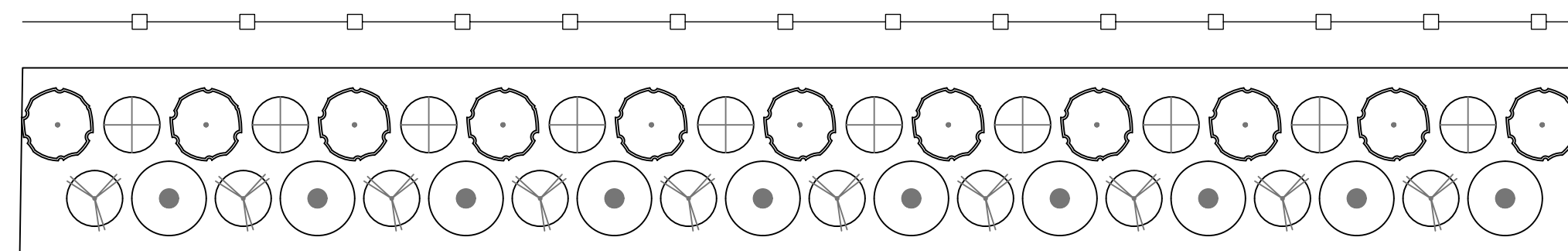
LANDSCAPING AND SCREENING PLAN

SCALE: 1" = 100'



SCALE: 1" = 100'

LEGEND	
	PERIMETER FENCE
	UNDERGROUND ELECTRIC LINE
	SOLAR PANELS
	PROPERTY LINE
	PROPOSED WHITE SPRUCE
	PROPOSED WILLOW HEDGE



WILLOW HEDGE DETAIL
NOT TO SCALE

8 FT TALL DEER FENCE
SHRUB WILLOW HEDGE CONSISTING OF A RAPID-GROWING SHRUB WILLOW SPECIES MIX SUITABLE TO SPECIFIC SITE CONDITIONS. CUTTINGS PLANTED 2' O.C., DOUBLE-ROW SPACED 3' APART. MULCH AROUND PLANTINGS WITH WOOD CHIPS. COPPICING AFTER FIRST YEAR GROWTH MAY OCCUR.



WHITE SPRUCE
NOT TO SCALE



ARROWWOOD VIBURNUM
NOT TO SCALE

NOTES:

- EVERGREEN AND SHRUB SCREENING TO BE INSTALLED AS SHOWN ON THE PLAN ABOVE AT THE FIRST SEASONAL OPPORTUNITY (EARLY APRIL - MID JUNE) DURING CONSTRUCTION.
- WILLOW HEDGE TO BE INSTALLED AT THE FIRST SEASONAL OPPORTUNITY (EARLY APRIL - MID JUNE) AFTER FENCE INSTALLATION.
- SHRUB WILLOW SPECIES MAY INCLUDE BUT ARE NOT LIMITED TO: SALIX CAPREA, SALIX ERIOCEPHALA, SALIX MIYABEANA, SALIX SACHALINENSIS, SALIX PURPUREA.
- LANDSCAPING SHALL BE WATERED AND MAINTAINED APPROPRIATELY DURING AND AFTER CONSTRUCTION SO THAT IT BECOMES ESTABLISHED.
- THE TREES WILL BE PLANTED IN A SINGLE OR STAGGERED ROW AS NEEDED FOR ADEQUATE SCREENING ALONG THE NORTHERN BORDER OF THE PROJECT PARCEL.



WILLOW HEDGE
NOT TO SCALE

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. GROSSER CONSULTING INC.

630 Johnson Avenue - Suite 7
Bohemia, NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

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Number	Revision Description	Revision Date
7		
6		
5	UPDATED WETLANDS	11/11/2024
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1	CLIENT REVIEW	04/05/2024

Designed By		Date Submitted	
Drawn By	RPV	Date Created	04/04/2024
Approved By	MTS	Scale	1" = 100'

Client: NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project: NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN

Project Address: NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: 44-1-1.2 & 44-1-3.3
Regulatory Reference Number: ...

File of Drawing: ...

CONCEPTUAL LANDSCAPING AND SCREENING PLAN

Drawing Number: **C-502**

Sheet: 13 of 19

PWGC Project Number: DRS2404

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PLOT DATE/TIME: Jan 08 2025 11:11am By: bawyer

CONSULTANTS
SYSTEM SUMMARY

MODULE:	
MANUFACTURER:	HANWHA
MODEL:	Q.PEAK DUO XL-G11.3 / BFG
MODULE OUTPUT POWER:	585 WP
STRING SIZE:	24
NUMBER OF STRINGS:	420
MODULE QUANTITY:	10,080
PV SYSTEM OUTPUT:	5,896.80 KWP DC
COMBINER BOX:	
CB QTY/INPUTS (QTY/INP):	30 CBs (6 INPUTS) 6 CBs (5 INPUTS)

INVERTER:	
MANUFACTURER:	SUNGROW
MODEL:	SG3150 UD-MV
QUANTITY/RATING:	2 / 2,500 KW (LIMITED)
PV SYSTEM OUTPUT:	5,000 KW AC
DC SYSTEM VOLTAGE:	1,500 V

MV INTERCONNECTION:	
TRANSFORMER	
QTY/RATING:	2 / 3,150 KW
INTERCON. VOLTAGE:	34.5 KV

RACKING:	
MANUFACTURER:	TBD
CONFIGURATION:	SAT - 1 MODULE PORTRAIT
TILT:	±55°
AZIMUTH:	178°

7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By	Date Submitted
Drawn By	Date Created
Approved By	Scale
RPV/THS	04/04/24
MTS	1" = 150'

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
**NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

Project Address:
**NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK**


County Tax Map Number: 44-1-1.2 & 44-1-3.3
Regulatory Reference Number: ...

File of Drawing:
**PROPOSED WETLANDS
DISTURBANCE PLAN**

Drawing Number:
C-503

Sheet
14 of **19**

PWGC Project Number:
DRS2404

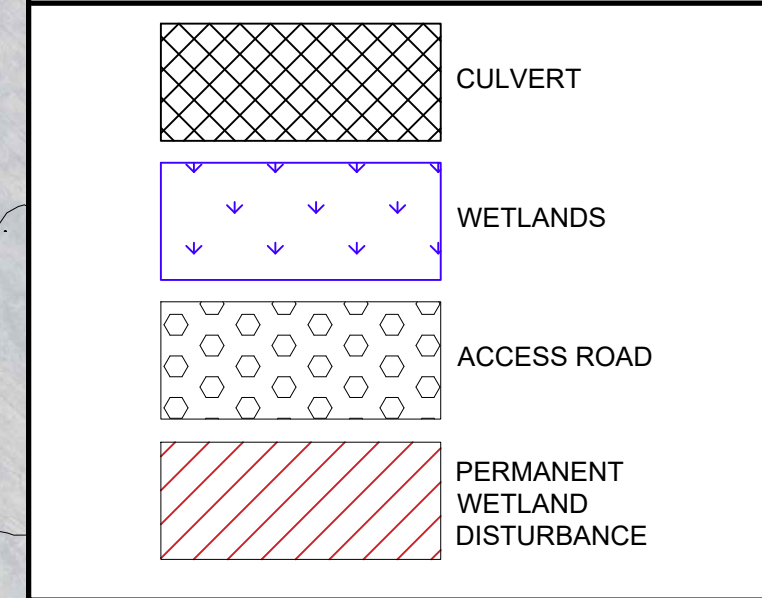


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WETLANDS DISTURBANCE TABLE

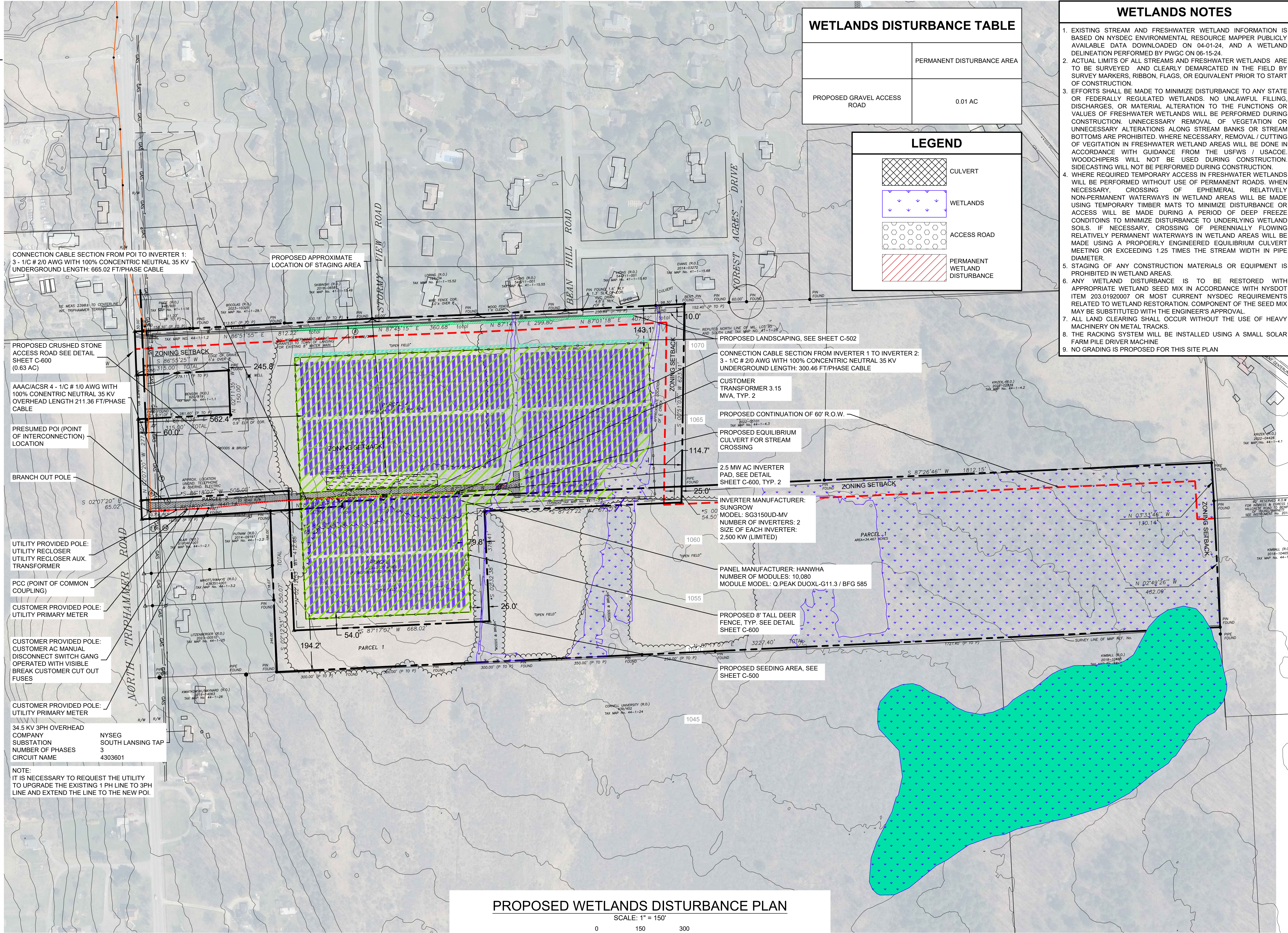
	PERMANENT DISTURBANCE AREA
PROPOSED GRAVEL ACCESS ROAD	0.01 AC

LEGEND



WETLANDS NOTES

- EXISTING STREAM AND FRESHWATER WETLAND INFORMATION IS BASED ON NYSDEC ENVIRONMENTAL RESOURCE MAPPER PUBLICLY AVAILABLE DATA DOWNLOADED ON 04-01-24, AND A WETLAND DELINEATION PERFORMED BY PWGC ON 06-15-24.
- ACTUAL LIMITS OF ALL STREAMS AND FRESHWATER WETLANDS ARE TO BE SURVEYED AND CLEARLY DEMARCATED IN THE FIELD BY SURVEY MARKERS, RIBBON, FLAGS, OR EQUIVALENT PRIOR TO START OF CONSTRUCTION.
- EFFORTS SHALL BE MADE TO MINIMIZE DISTURBANCE TO ANY STATE OR FEDERALLY REGULATED WETLANDS. NO UNLAWFUL FILLING, DISCHARGES, OR MATERIAL ALTERATION TO THE FUNCTIONS OR VALUES OF FRESHWATER WETLANDS WILL BE PERFORMED DURING CONSTRUCTION. UNNECESSARY REMOVAL OF VEGETATION OR UNNECESSARY ALTERATIONS ALONG STREAM BANKS OR STREAM BOTTOMS ARE PROHIBITED. WHERE NECESSARY, REMOVAL / CUTTING OF VEGETATION IN FRESHWATER WETLAND AREAS WILL BE DONE IN ACCORDANCE WITH GUIDANCE FROM THE USFWS / USACE. WOODCHIPPERS WILL NOT BE USED DURING CONSTRUCTION. SIDECASTING WILL NOT BE PERFORMED DURING CONSTRUCTION.
- WHERE REQUIRED TEMPORARY ACCESS IN FRESHWATER WETLANDS WILL BE PERFORMED WITHOUT USE OF PERMANENT ROADS. WHEN NECESSARY, CROSSING OF EPHEMERAL RELATIVELY NON-PERMANENT WATERWAYS IN WETLAND AREAS WILL BE MADE USING TEMPORARY TIMBER MATS TO MINIMIZE DISTURBANCE OR ACCESS WILL BE MADE DURING A PERIOD OF DEEP FREEZE CONDITIONS TO MINIMIZE DISTURBANCE TO UNDERLYING WETLAND SOILS. IF NECESSARY, CROSSING OF PERENNIALY FLOWING RELATIVELY PERMANENT WATERWAYS IN WETLAND AREAS WILL BE MADE USING A PROPERLY ENGINEERED EQUILIBRIUM CULVERT MEETING OR EXCEEDING 1.25 TIMES THE STREAM WIDTH IN PIPE DIAMETER.
- STAGING OF ANY CONSTRUCTION MATERIALS OR EQUIPMENT IS PROHIBITED IN WETLAND AREAS.
- ANY WETLAND DISTURBANCE IS TO BE RESTORED WITH APPROPRIATE WETLAND SEED MIX IN ACCORDANCE WITH NYS DOT ITEM 203.01920007 OR MOST CURRENT NYSDEC REQUIREMENTS RELATED TO WETLAND RESTORATION. COMPONENT OF THE SEED MIX MAY BE SUBSTITUTED WITH THE ENGINEER'S APPROVAL.
- ALL LAND CLEARING SHALL OCCUR WITHOUT THE USE OF HEAVY MACHINERY ON METAL TRACKS.
- THE RACKING SYSTEM WILL BE INSTALLED USING A SMALL SOLAR FARM PILE DRIVER MACHINE
- NO GRADING IS PROPOSED FOR THIS SITE PLAN



CONNECTION CABLE SECTION FROM POI TO INVERTER 1:
3 - 1/2 # 2/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV
UNDERGROUND LENGTH: 665.02 FT/PHASE CABLE

PROPOSED APPROXIMATE
LOCATION OF STAGING AREA

PROPOSED CRUSHED STONE
ACCESS ROAD SEE DETAIL
SHEET C-600
(0.63 AC)

AAAC/ACSR 4 - 1/2 # 1/0 AWG WITH
100% CONCENTRIC NEUTRAL 35 KV
OVERHEAD LENGTH 211.36 FT/PHASE
CABLE

PRESUMED POI (POINT
OF INTERCONNECTION)
LOCATION

BRANCH OUT POLE

UTILITY PROVIDED POLE:
UTILITY RECLOSER
UTILITY RECLOSER AUX.
TRANSFORMER

PCC (POINT OF COMMON
COUPLING)

CUSTOMER PROVIDED POLE:
UTILITY PRIMARY METER

CUSTOMER PROVIDED POLE:
CUSTOMER AC MANUAL
DISCONNECT SWITCH GANG
OPERATED WITH VISIBLE
BREAK CUSTOMER CUT OUT
FUSES

CUSTOMER PROVIDED POLE:
UTILITY PRIMARY METER

34.5 KV 3PH OVERHEAD
COMPANY
SUBSTATION
NUMBER OF PHASES
CIRCUIT NAME

NYSEG
SOUTH LANSING TAP
3
4303601

NOTE:
IT IS NECESSARY TO REQUEST THE UTILITY
TO UPGRADE THE EXISTING 1 PH LINE TO 3PH
LINE AND EXTEND THE LINE TO THE NEW POI.

CONNECTION CABLE SECTION FROM INVERTER 1 TO INVERTER 2:
3 - 1/2 # 2/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV
UNDERGROUND LENGTH: 300.46 FT/PHASE CABLE

CUSTOMER
TRANSFORMER 3.15
MVA, TYP. 2

PROPOSED CONTINUATION OF 60' R.O.W.

PROPOSED EQUILIBRIUM
CULVERT FOR STREAM
CROSSING

2.5 MW AC INVERTER
PAD, SEE DETAIL
SHEET C-600, TYP. 2

INVERTER MANUFACTURER:
SUNGROW
MODEL: SG3150UD-MV
NUMBER OF INVERTERS: 2
SIZE OF EACH INVERTER:
2,500 KW (LIMITED)

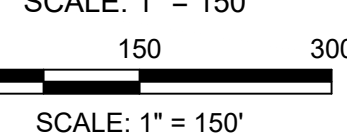
PANEL MANUFACTURER: HANWHA
NUMBER OF MODULES: 10,080
MODULE MODEL: Q.PEAK DUOXL-G11.3 / BFG 585

PROPOSED 8' TALL DEER
FENCE, TYP. SEE DETAIL
SHEET C-600

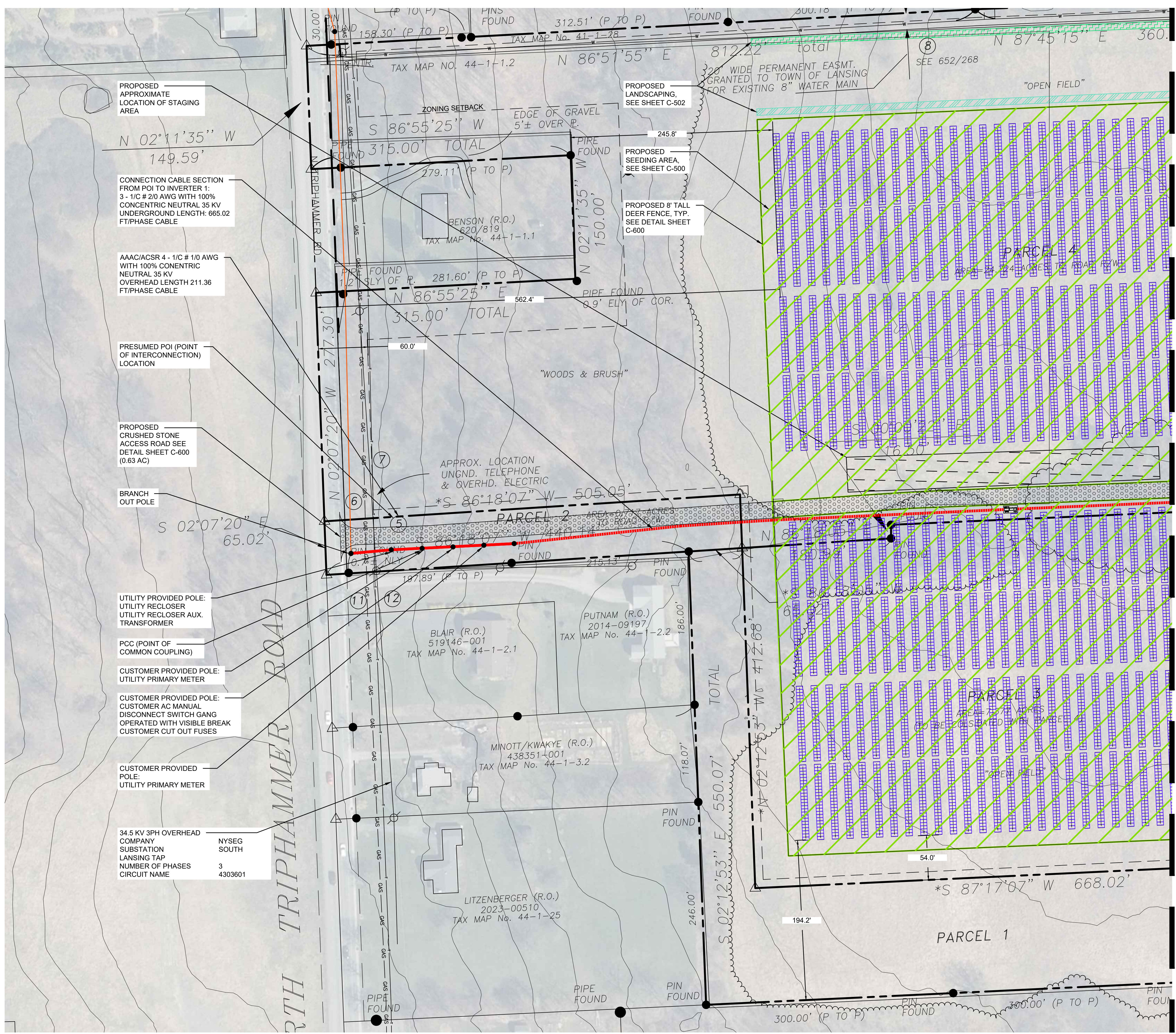
PROPOSED SEEDING AREA, SEE
SHEET C-500

PROPOSED WETLANDS DISTURBANCE PLAN

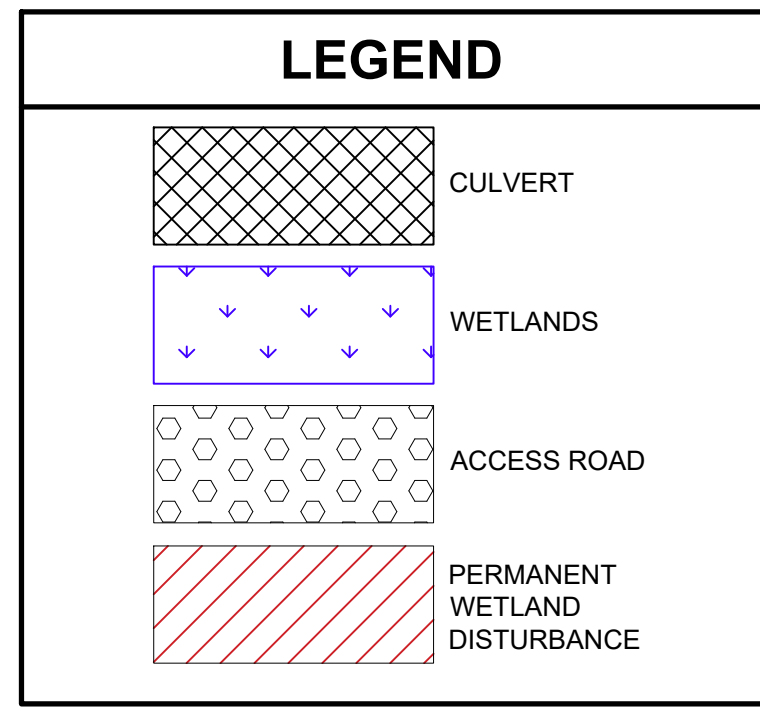
SCALE: 1" = 150'



SCALE: 1" = 150'



WETLANDS DISTURBANCE TABLE	
	PERMANENT DISTURBANCE AREA
PROPOSED GRAVEL ACCESS ROAD	0.01 AC



PROPOSED APPROXIMATE LOCATION OF STAGING AREA

CONNECTION CABLE SECTION FROM POI TO INVERTER 1: 3 - 1/C # 2/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV UNDERGROUND LENGTH: 665.02 FT/PHASE CABLE

AAAC/ACSR 4 - 1/C # 1/0 AWG WITH 100% CONCENTRIC NEUTRAL 35 KV OVERHEAD LENGTH 211.36 FT/PHASE CABLE

PRESUMED POI (POINT OF INTERCONNECTION) LOCATION

PROPOSED CRUSHED STONE ACCESS ROAD SEE DETAIL SHEET C-600 (0.63 AC)

BRANCH OUT POLE

UTILITY PROVIDED POLE: UTILITY RECLOSER UTILITY RECLOSER AUX. TRANSFORMER

PCC (POINT OF COMMON COUPLING)

CUSTOMER PROVIDED POLE: UTILITY PRIMARY METER

CUSTOMER PROVIDED POLE: CUSTOMER AC MANUAL DISCONNECT SWITCH GANG OPERATED WITH VISIBLE BREAK CUSTOMER CUT OUT FUSES

CUSTOMER PROVIDED POLE: UTILITY PRIMARY METER

34.5 KV 3PH OVERHEAD COMPANY SUBSTATION LANSING TAP NUMBER OF PHASES CIRCUIT NAME NYSEG SOUTH 3 4303601

PROPOSED WETLAND DISTURBANCE PLAN SCALE: 1" = 60'

MATCH LINE A

MATCH LINE A

PWGC
CLIENT DRIVEN SOLUTIONS
P.W. GROSSER CONSULTING INC.

630 Johnson Avenue - Suite 7
Bohemia, NY - 11716-2618
Phone: (631) 589-6353 - Fax: (631) 589-8705
E-mail: INFO@PWGROSSER.COM

CONSULTANTS

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7		
6		
5	UPDATED WETLANDS	11/11/2024
4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024
Number	Revision Description	Revision Date
Designed By		Date Submitted
Drawn By	THS	Date Created
Approved By	MTS	Scale
		1" = 60'

Client:
NY LANSING I, LLC
P.O. BOX 384
CALLICOON, NY 12783

Project:
NORTH TRIPHAMMER ROAD SOLAR FARM CONCEPTUAL SITE PLAN

Project Address:
NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: 44-1-1.2 & 44-1-3.3
Regulatory Reference Number: ...

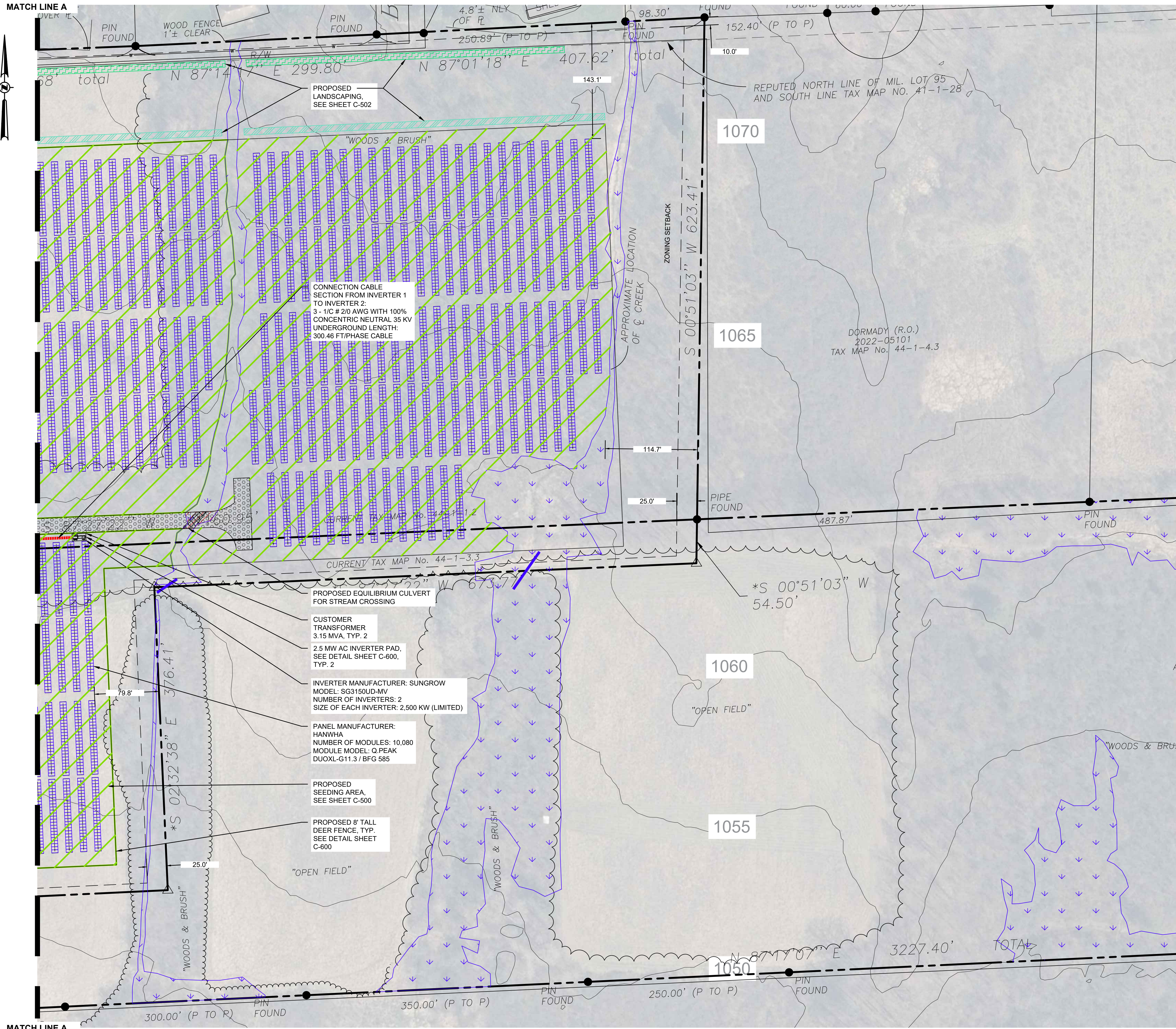
PROPOSED WETLANDS DISTURBANCE PARTIAL PLAN 01 OF 02

Drawing Number: **C-504**

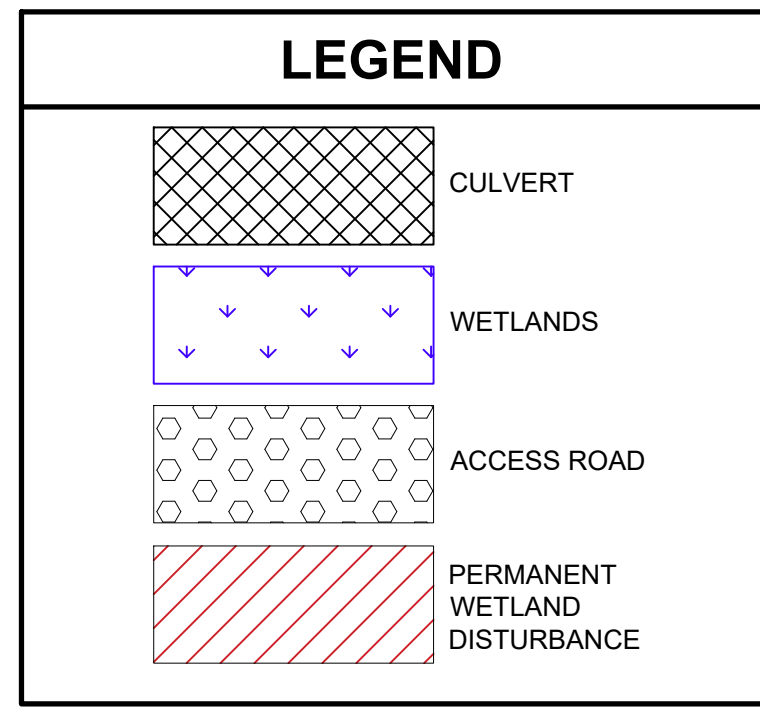
Sheet 15 of 19

PWGC Project Number: DRS2404

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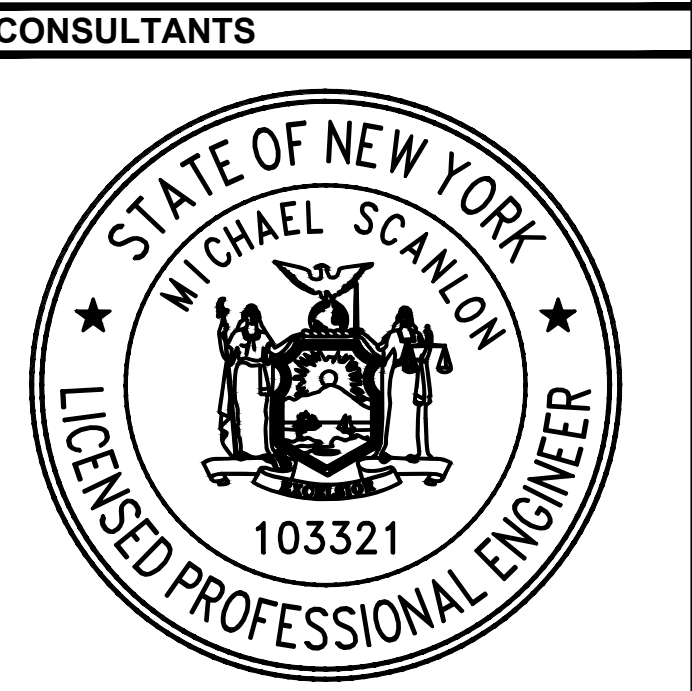


WETLANDS DISTURBANCE TABLE	
	PERMANENT DISTURBANCE AREA
PROPOSED GRAVEL ACCESS ROAD	0.01 AC



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4	CLIENT REVIEW	11/01/2024
3	CLIENT REVIEW	07/29/2024
2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: _____ Date Submitted: _____
 Drawn By: THS Date Created: 01/03/2025
 Approved By: MTS Scale: 1" = 60'

Client: NY LANSING I, LLC
 P.O. BOX 384
 CALLICOON, NY 12783

Project: **NORTH TRIPHAMMER ROAD SOLAR FARM CONCEPTUAL SITE PLAN**

Project Address: NORTH TRIPHAMMER ROAD
 TOWN OF LANSING
 TOMPKINS COUNTY, NEW YORK

County Tax Map Number: 44-1-1.2 & 44-1-3.3
 Regulatory Reference Number: _____

PROPOSED WETLANDS DISTURBANCE PARTIAL PLAN 02 OF 02

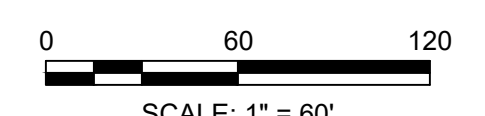
Drawing Number: **C-505**

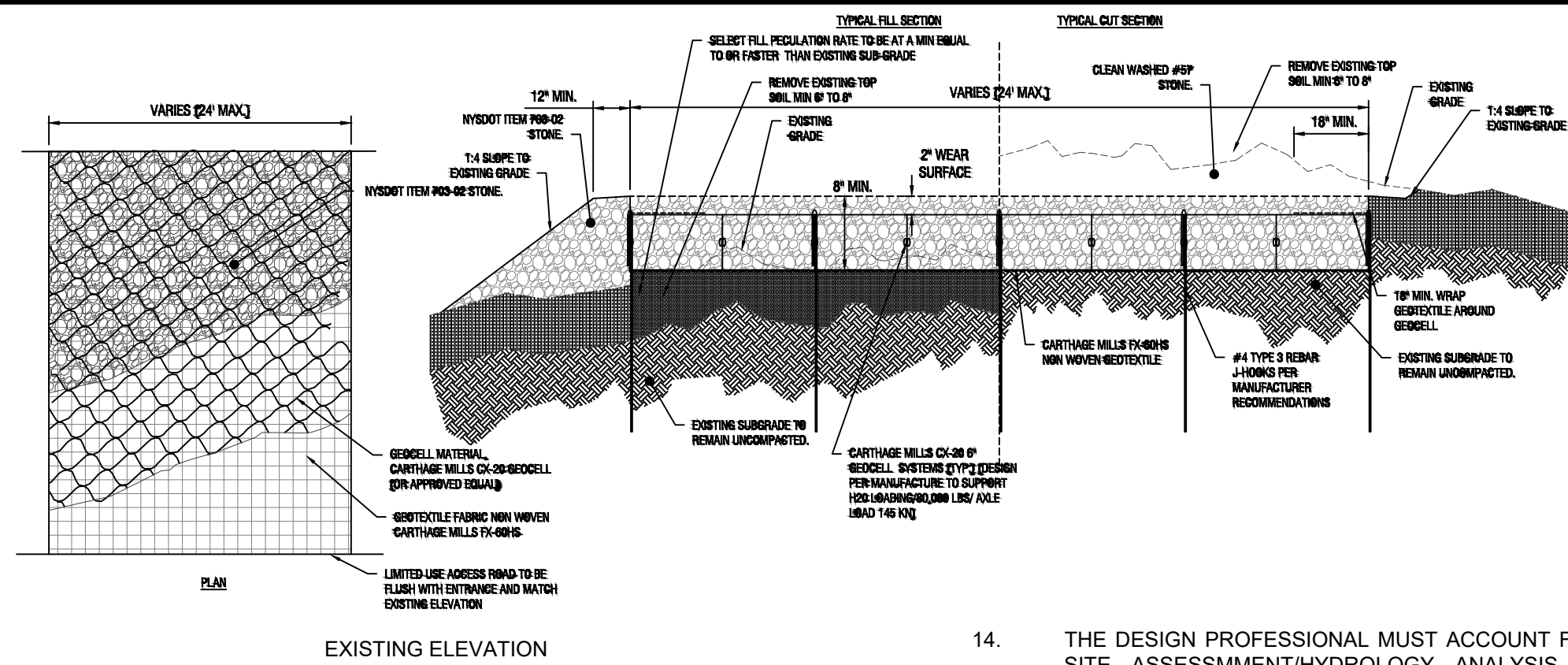
Sheet: 16 of 19

PWGC Project Number: **DRS2404**

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CONCEPTUAL SITE PLAN
SCALE: 1" = 60'





GENERAL NOTES

1. PROVIDE A 4800 LB/FT ENHANCED WOVEN GEOTEXTILE SEPARATION LAYER AND INSTALL PER MANUFACTURER RECOMMENDATIONS INCLUDING OVERLAPS BASED ON SUB GRADE CBR.
2. THE GEOCELL SHALL BE CONNECTED WITH TYP 3 REBAR J HOOKS.
3. PROVIDE TYP 3 ANCHORS TO KEEP PANELS OPEN FOR INFILL AS REQUIRED.
4. GEOCELL INFILL SHALL BE 3/4\"/>

PERMEABLE ACCESS ROAD GENERAL NOTES

1. USE OF THIS DETAIL/CRITERION IS LIMITED TO ACCESS ROADS USED ON AN OCCASIONAL BASIS ONLY (I.E. PROVIDE ACCESS FOR MOWING EQUIPMENT REPAIR OR MAINTENANCE, ETC.)
2. LIMITED USE PERVIOUS ACCESS ROAD IS LIMITED TO LOW IMPACT IRREGULAR MAINTENANCE ACCESS ASSOCIATED WITH RENEWABLE ENERGY PROJECTS IN NEW YORK STATE.
3. REMOVE STUMPS, ROCKS AND DEBRIS AS NECESSARY, FILL VOIDS TO MATCH EXISTING NATIVE SOILS AND COMPACTION LEVEL.
4. REMOVED TOPSOIL MAY BE SPREAD IN ADJACENT AREAS AS DIRECTED BY THE PROJECT ENGINEER. COMPACT TO THE DEGREE OF THE NATIVE INSITU SOIL. DO NOT PLACE IN AN AREA THAT IMPEDES STORMWATER DRAINAGE.
5. GRADE ROADWAY, WHERE NECESSARY TO NATIVE SOIL AND DESIRED ELEVATION MINOR GRADING FOR CROSS SLOPE CUT AND FILL MAY BE REQUIRED.
6. REMOVE 6\"/>

14. 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-0-20-001 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.

GEOCELL MATERIAL NOTES:

1. THE GEOCELL, OR COMPARABLE PRODUCT, IS SUGGESTED FOR USE ON ROAD PROFILES EXCEEDING 5%.
2. THE GEOCELL PRODUCT IS INTENDED TO LIMIT SHIFTING STONE MATERIAL DURING USE.
3. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
4. 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.
5. GRAVEL FILL MATERIAL SHALL CONSIST OF 1-4\"/>

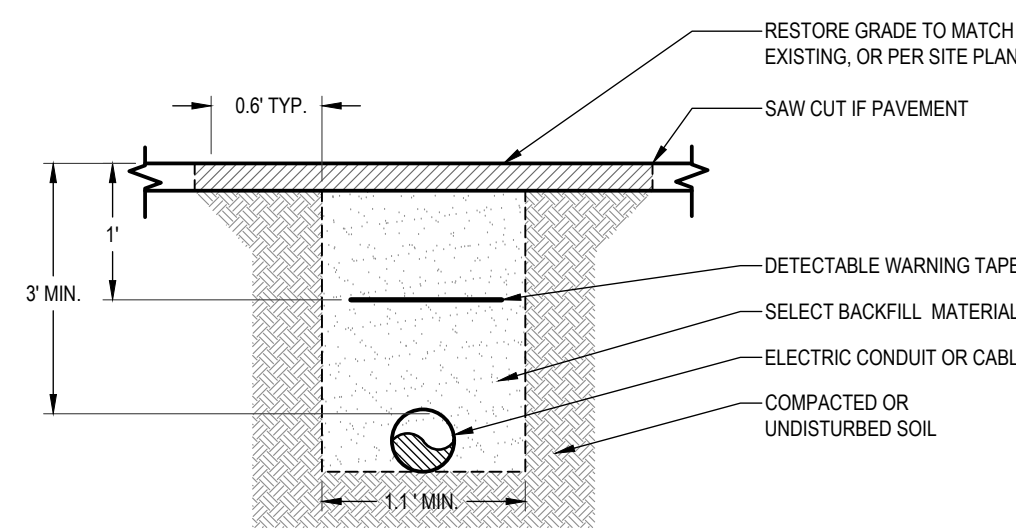
BASIS OF DESIGN: CARTHAGE MILL

WOVEN GEOTEXTILE MATERIAL NOTES:

1. GEOTEXTILE MATERIAL TO B CARTHAGE MILL FX-60HS OR APPROVED EQUAL.

GRAVEL ACCESS ROAD DETAIL

NOT TO SCALE

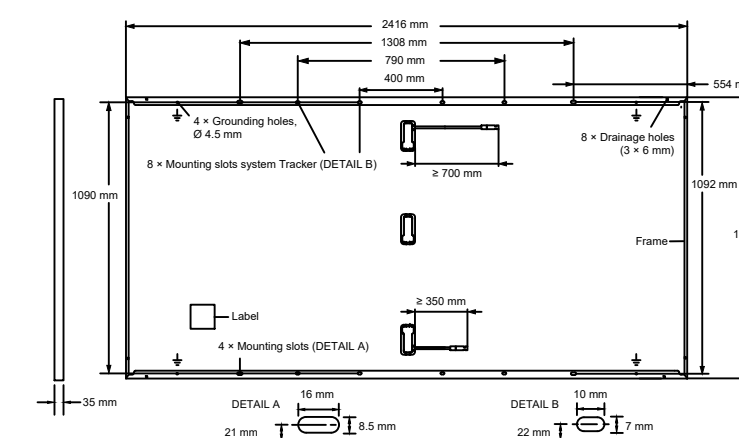


ELECTRICAL TRENCH DETAIL

NOT TO SCALE

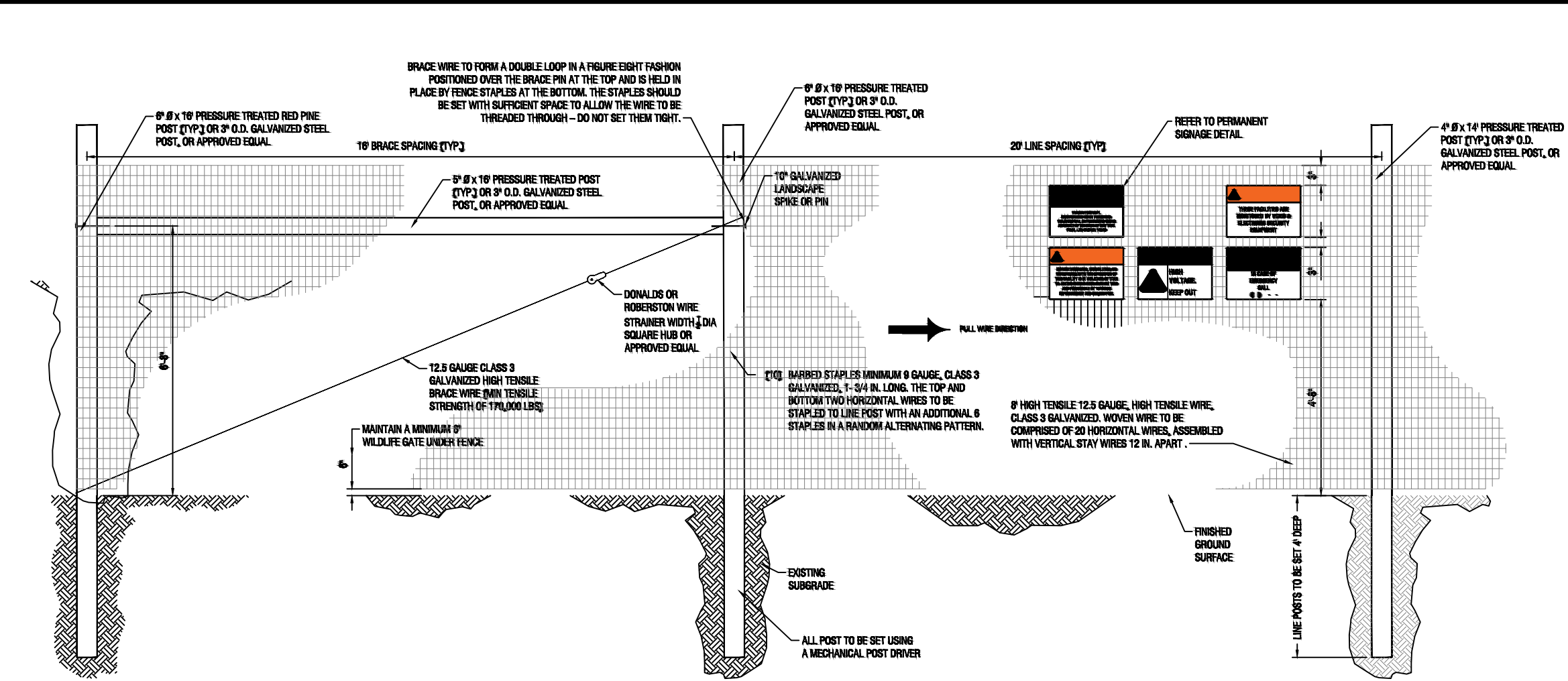
MECHANICAL SPECIFICATION

Format	2416 mm x 1134 mm x 35 mm (including frame)
Weight	34.4 kg
Front Cover	2 mm thermally pre-stressed glass with anti-reflection technology
Back Cover	2 mm semi-tempered glass
Frame	Anodised aluminium
Cell	6 x 26 monocrystalline Q ANTUM solar half cells
Junction box	53-101 mm x 32-60 mm x 15-18 mm Protection class IP67, with bypass diodes
Cable	4 mm ² Solar cable; (+) ≥ 700 mm, (-) ≥ 350 mm
Connector	Stäubli MC4-Evo2, Hanhwa Q CELLS HQC4; IP68



SOLAR PANEL MECHANICAL SPECIFICATION DETAIL

NOT TO SCALE

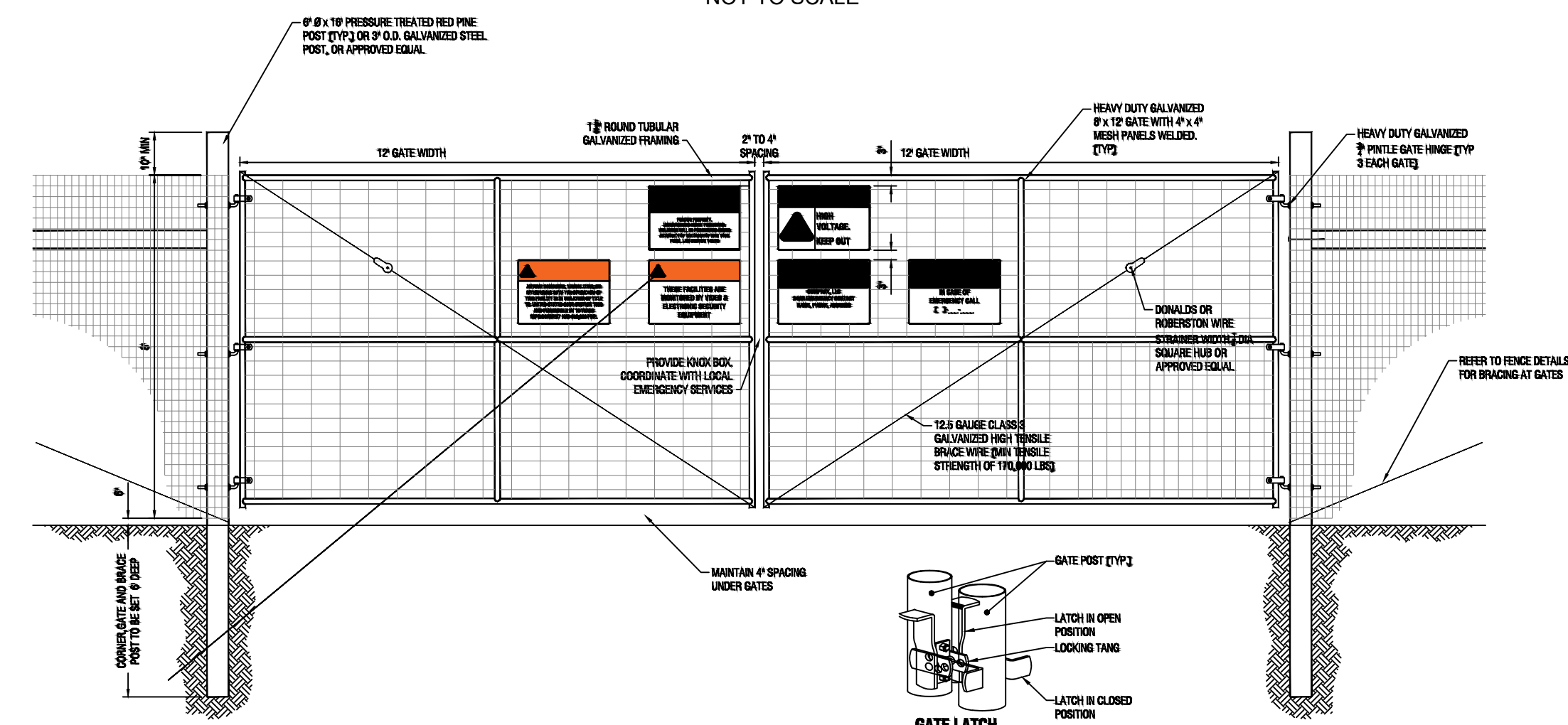


BRACING NOTES

1. BRACING IS REQUIRED AT ALL CORNER, END GATE, AND PULL ASSEMBLIES IN THE FENCE.
2. CORNERS ARE REQUIRED AT ALL POINTS WHERE THE FENCE ALIGNMENT CHANGES 15 DEGREES OR MORE THREE, 6 IN. X 16 FT. VERTICAL POSTS AND TWO 5 IN. X 16 FT. HORIZONTAL BRACES ARE REQUIRED FOR EACH CORNER.
3. END BRACING IS REQUIRED WHERE THE FENCE ENDS AT A BUILDING OR ON EACH SIDE OF A GATE OPENING. TWO, 6 IN. X 16 FT. VERTICAL POSTS AND ONE 5 IN. X 16 FT. HORIZONTAL BRACE ARE REQUIRED FOR EACH END BRACE.
4. PULL ASSEMBLIES ARE REQUIRED IN STRAIGHT SECTIONS OF FENCE SO THAT THE MAXIMUM DISTANCE BETWEEN CORNERS DOES NOT EXCEED 1,320 FT. TWO 6 IN. X 16 FT. VERTICAL POSTS AND ONE 5 IN. X 16 FT. BRACE ARE REQUIRED.
5. DOUBLE BRACES (FIGURE 4) SHOULD BE USED ON EACH END FOR STRAIGHT FENCE LINES EXCEEDING 1,000 FT. DOUBLE END BRACES REQUIRE THREE 6 IN. X 16 FT. HORIZONTAL BRACES.

8-FT DEER FENCE DETAIL

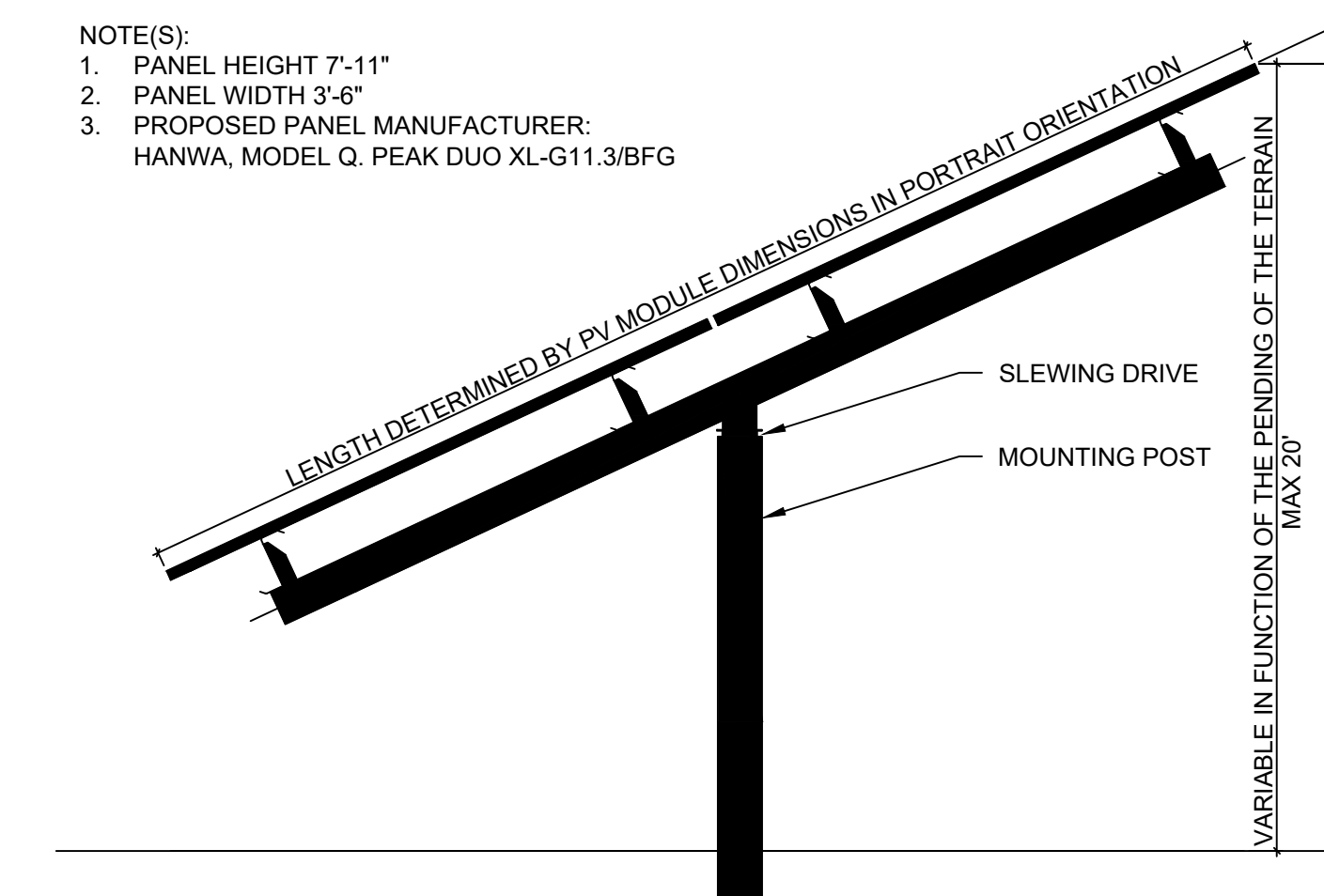
NOT TO SCALE



8-FT DEER FENCE GATE DETAIL

NOT TO SCALE

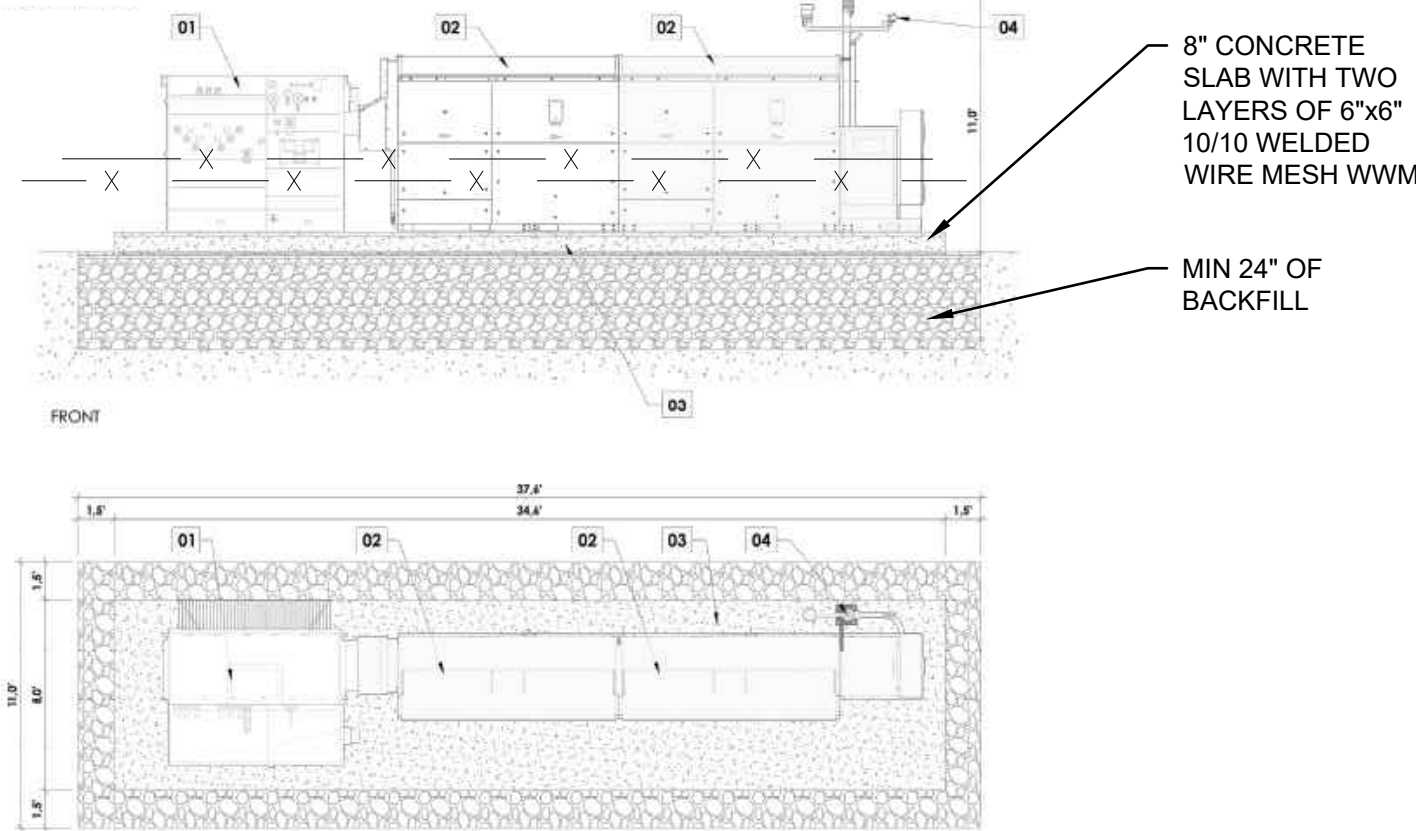
- NOTE(S):
1. PANEL HEIGHT 7'-11"
 2. PANEL WIDTH 3'-6"
 3. PROPOSED PANEL MANUFACTURER: HANWA, MODEL Q. PEAK DUO XL-G11.3/BFG



TYPICAL RACK SECTION DETAIL

NOT TO SCALE

- 01 - TRANSFORMER
- 02 - INVERTER
- 03 - REINFORCED CONCRETE SLAB PSI 3500
- 04 - AUXILIARY EQUIPMENT PAD



CONCRETE EQUIPMENT PAD DETAIL

NOT TO SCALE



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2	UPDATED WETLANDS	07/24/2024
1	CLIENT REVIEW	04/05/2024

Designed By: **RPV** Date Submitted: **04/04/24**
 Drawn By: **MTS** Date Created: **04/04/24**
 Approved By: **MTS** Scale: **AS NOTED**

Client: **NY LANSING I, LLC**
P.O. BOX 384
CALLICOON, NY 12783

NORTH TRIPHAMMER ROAD SOLAR FARM CONCEPTUAL SITE PLAN

Project Address: **NORTH TRIPHAMMER ROAD**
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: **44-1-1.2 & 44-1-3.3** Contract Number: **---**

Regulatory Reference Number: **---**

Title of Drawing: **---**

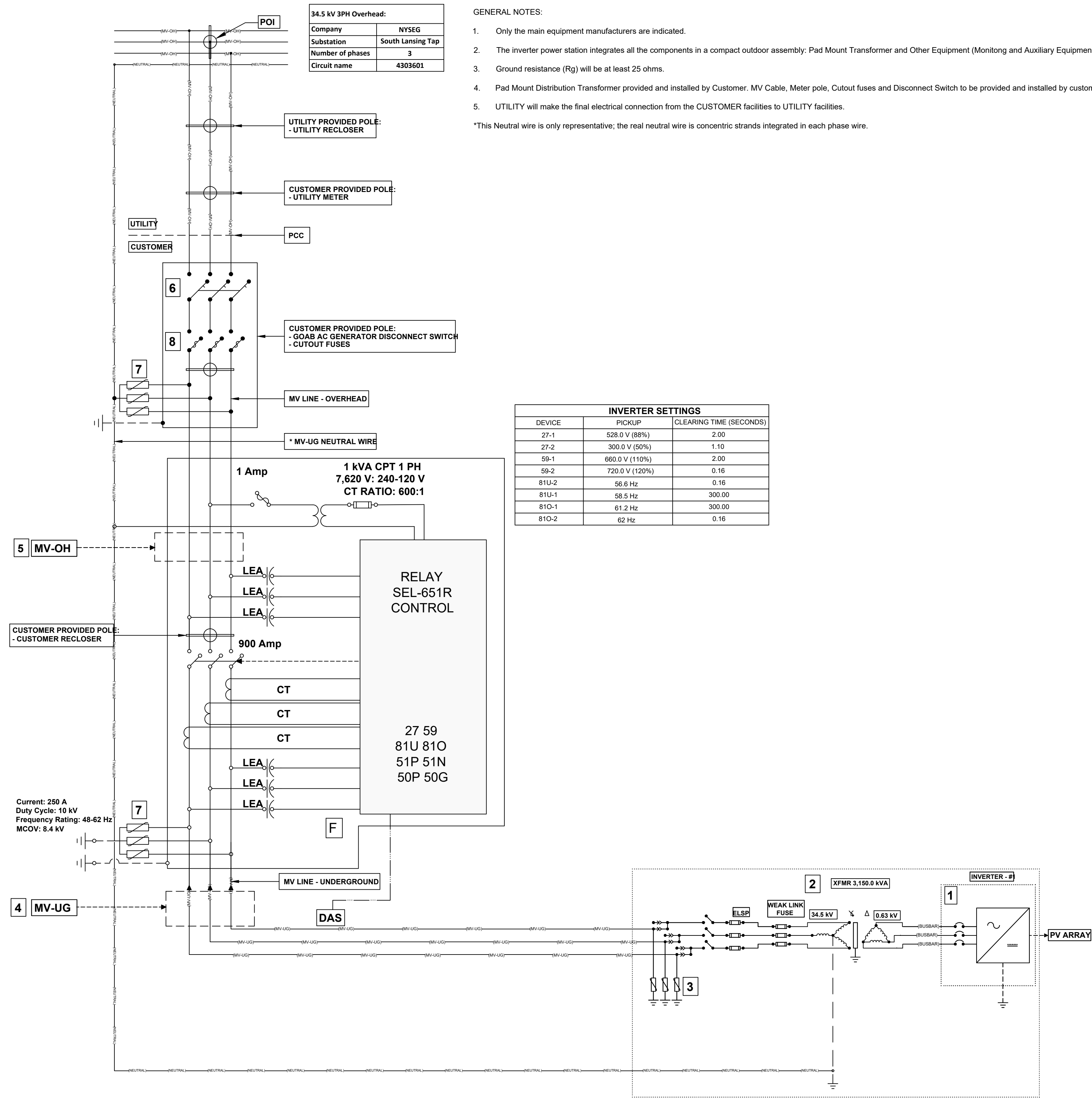
SITE DETAILS

Drawing Number: **C-600**

Sheet **17** of **19**

Project Number: **DRS2404**

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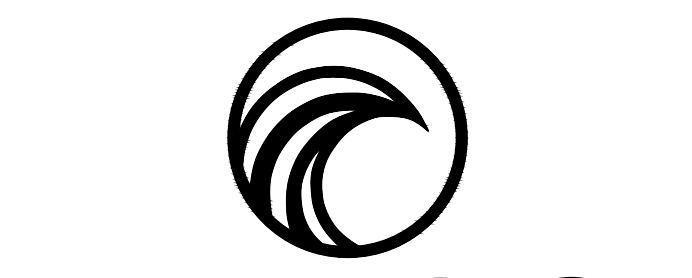
34.5 kV 3PH Overhead:	
Company	NYSEG
Substation	South Lansing Tap
Number of phases	3
Circuit name	4303601

- GENERAL NOTES:
- Only the main equipment manufacturers are indicated.
 - The inverter power station integrates all the components in a compact outdoor assembly: Pad Mount Transformer and Other Equipment (Monitoring and Auxiliary Equipment).
 - Ground resistance (Rg) will be at least 25 ohms.
 - Pad Mount Distribution Transformer provided and installed by Customer. MV Cable, Meter pole, Cutout fuses and Disconnect Switch to be provided and installed by customer.
 - UTILITY will make the final electrical connection from the CUSTOMER facilities to UTILITY facilities.

*This Neutral wire is only representative; the real neutral wire is concentric strands integrated in each phase wire.

INVERTER SETTINGS		
DEVICE	PICKUP	CLEARING TIME (SECONDS)
27-1	528.0 V (88%)	2.00
27-2	300.0 V (50%)	1.10
99-1	660.0 V (110%)	2.00
99-2	720.0 V (120%)	0.16
81U-2	56.6 Hz	0.16
81U-1	58.5 Hz	300.00
81O-1	61.2 Hz	300.00
81O-2	62 Hz	0.16

VOLTAGE LINE (kV)	34.50
UTILITY	NYSEG
SUBSTATION	South Lansing Tap
NUMBER OF PHASES	3
CIRCUIT NAME	4303601
AC SYSTEM SIZE (MW)	3.00
POWER FACTOR	1.00
OUTPUT CURRENT (A)	50.20
AC SYSTEM SIZE (MVA)	3.00
1	
MANUFACTURER	Sungrow
MODEL	SG3150UD-MV
QUANTITY	1
MAX PV INPUT VOLTAGE (V)	1,500
AC POWER (kVA)	3,150
AC OUTPUT POWER (kW) (LIMITED)	3,000
AC OUTPUT VOLTAGE (V)	630
AC OUTPUT CURRENT (A)	2,886.75
UL 1741 AND IEEE 1547	YES
2	
MANUFACTURER	EATON
QUANTITY	1
POWER (kVA)	3,150
HV BIL (kV)	150
LV BIL (kV)	30
NOMINAL HIGH VOLTAGE (kV)	34.50
NOMINAL LOW VOLTAGE (V)	630
IMPEDANCE (R)	5.75
X/R Ratio	>=5
PRIMARY WINDING	WYE
SECONDARY WINDING	DELTA
3	
MANUFACTURER	EATON
MCOV RATING (kV)	22.00
DUTY CYCLE (kV)	27.00
4	
SIZE	2/0 AWG
NORMAL TEMP RATING (°C)	105
JACKET	XLPE
CONCENTRIC NEUTRAL	100%
INSULATION LEVEL (ft)	100
VOLTAGE RATING (kV)	35
LENGTH (ft)	2,590.15
5	
TYPE	ACSR
SIZE	1/0 AWG
LENGTH (ft)	198.38
6	
MANUFACTURER	EATON
RATING (A)	600
VOLTAGE (kV)	15.5
BIL (kV)	200
7	
MANUFACTURER	EATON
QUANTITY	3
MCOV (kV)	22.00
ARRESTER RATING (kV)	27.00
8	
MANUFACTURER	S&C
RATING (kV)	35
RATING (A)	175
BIL (kV)	200
QUANTITY	3



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Drawn By	RPV	Date Created	04/04/24
Approved By	MTS	Scale	AS NOTED

Client:
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P.O. BOX 384
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**NORTH TRIPHAMMER ROAD
SOLAR FARM CONCEPTUAL
SITE PLAN**

Project Address:
NORTH TRIPHAMMER ROAD
TOWN OF LANSING
TOMPKINS COUNTY, NEW YORK

County Tax Map Number: 44-1-12 & 44-1-3-3
Regulatory Reference Number: ***

Title of Drawing: ***

**ELECTRICAL
THREE LINE
DIAGRAM**

Drawing Number: **C-602**

Sheet 19 of 19

PRC Project Number: DRS2404

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ELECTRICAL THREE LINE DIAGRAM
NOT TO SCALE