

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: SG3150UD-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 POTRAIT
TILT: ±55°
AZIMUTH: 178°

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

Drawn By: RPV Date Created: 04/04/24
Approved By: MTS Date: 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

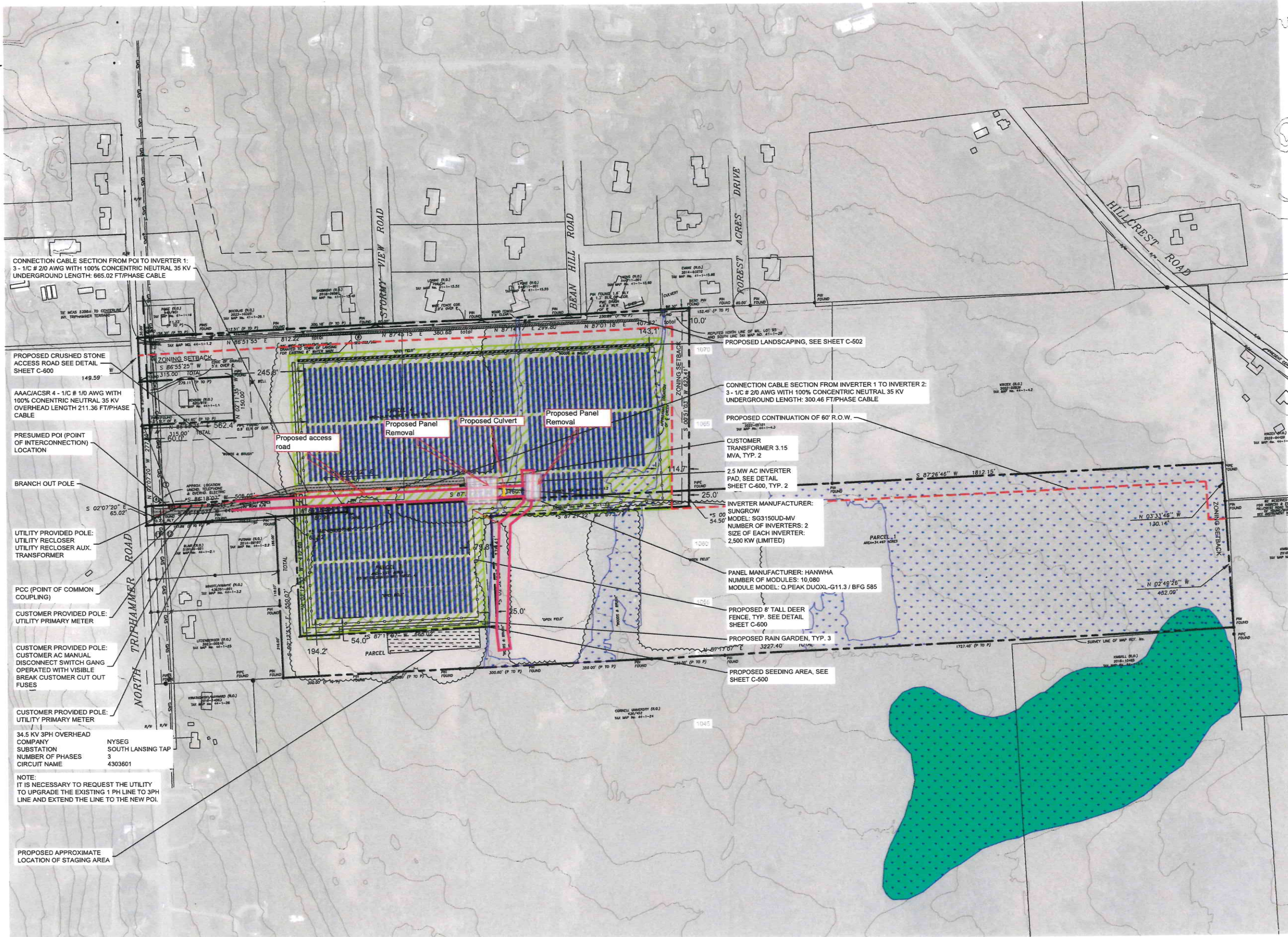
County Tax Map Number: 44-1-1.2 & 44-1-3.3
Regulatory Reference Number: ---

Date of Drawing: ---

**CONCEPTUAL
SITE LAYOUT
PLAN**



C-101
Sheet 4 of 12
PDEC Project Number: DRS2404



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

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 NYSEG
SUBSTATION SOUTH LANSING TAP
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.

PROPOSED APPROXIMATE
LOCATION OF STAGING AREA

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

PROPOSED CONTINUATION OF 60' R.O.W.

CUSTOMER
TRANSFORMER 3.15
MVA, TYP. 2

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 RAIN GARDEN, TYP. 3

PROPOSED SEEDING AREA, SEE
SHEET C-500

PROPOSED LANDSCAPING, SEE SHEET C-502



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

630 Johnson Avenue - Suite 7
 Bohemia, NY - 11716-2618
 Phone: (631) 589-6353 - Fax: (631) 589-6765
 E-mail: INFO@PWGROSSER.COM

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: 252
 MODULE QUANTITY: 6,048
 PV SYSTEM OUTPUT: 3,538.08 KWP DC

COMBINER BOX:

CB QTY/INPUTS (QTY/INP): 11 CBs (6 INPUTS)
 12 CBs (5 INPUTS)

INVERTER:

MANUFACTURER: SUNGROW
 MODEL: SG3150 UD-MV
 QUANTITY/RATING: 1 / 3,000 KW (LIMITED)
 PV SYSTEM OUTPUT: 3,000 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 POTRAIT
 TILT: +55°
 AZIMUTH: 177°

Number	Revision Description	Revision Date
7		
6		
5		
4	ACCESS ROAD UPDATE	08/12/2024
3	CLIENT REVIEW	07/28/2024
2	WETLANDS UPDATE	07/24/2024
1	CLIENT REVIEW	04/05/2024

Drawn By: HLW/RPV Date Submitted: 03/28/24
 Approved By: MTS Date Create: 03/28/24
 Scale: 1" = 150'

NY LANSING II, 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
 Planning Reference Number: ---

**CONCEPTUAL
 SITE LAYOUT
 PLAN**

State of New York
 Michael Staron
 105321
 LICENSED PROFESSIONAL ENGINEER
C-101
 Sheet 4 of 11
 PWGC Project Number: DRS2404

