



VICINITY MAP:  
 LATITUDE: 41.525295°  
 LONGITUDE: -72.899010°

LEGEND:

- PROPOSED SOLAR SWITCHBOARD
- PROPOSED POINT OF INTERCONNECTION
- AC CONDUITS (STEP UP XFMR - MV JUNCTION BOX)
- DC CONDUITS (CB-INV)

**1** ARRAY LAYOUT  
 SCALE: 1/128" = 1'-0"

- NOTES:
- 113 MPH WIND ZONE (ASCE 7-10) CATEGORY I, EXPOSURE C
  - SNOWLOAD 30 PSF, ELEVATION 216'
  - ARRAY SHOWN ON : AERIAL IMAGE
  - FOUNDATION ARE DRIVEN POST WITH 8' EMBEDMENT
  - ALL TREES WITHIN ARRAY BOUNDARY NEED TO BE REMOVED PRIOR TO INSTALLATION
  - MAXIMUM PANEL HEIGHT FROM GRADE: 3FT

BLOCK	# MODULE	#STRING	KW (DC)	18 INPUT CB (W/ 12 STR)	SHP_150_US_20	KW (AC)	TILT (°)	GCR	CSI AZIMUTH (°)	SPWR AZIMUTH (°)	DC RUN (CB-INV)
1	2880	96	1353.6	8	8	1200	25	0.50	180	0	90, 35, 230, 170, 140, 110, 80, 50
2	1800	60	846	5	5	750					165, 140, 80, 50, 30
TOTAL	4680	156	2199.6	13	13	1950					

PROJECT SUMMARY

PROJECT SUMMARY	GFT
TOTAL # OF MODULE	4680
STRING LENGTH	30
MODULE TYPE	TSM-DEG15VC.20(II) 470
# OF SMA PEAK 3 INVERTER	13
DC SYSTEM SIZE (kW)	2199.60
AC SYSTEM SIZE (kW)	1950.00

**TIER 1**

**SUNPOWER**  
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ENGINEER'S STAMP

CONNECTICUT GREEN BANK  
 MANSON YOUTH INSTITUTE  
 ARRAY LAYOUT

REV	DESIGN #	DESCRIPTION	DATE	DB	CB	DG	ES
A	D-0100069	PROPOSAL	02-12-20	DG	ES		
B	D-0103847	NEW SITE INFORMATION	04-08-20	DG	ES		
C	-	NEW SITE INFORMATION (GAS LINE)	01-12-21	MB	DW		
D	D-0101778	CHANGE IN MODULE TYPE	03-10-21	AP	DW		
E	-	CHANGE IN MODULE TYPE	04-27-21	DG	DW		

OPPORTUNITY 0001930120  
 PROJECT ---  
 SHEET **AL1**