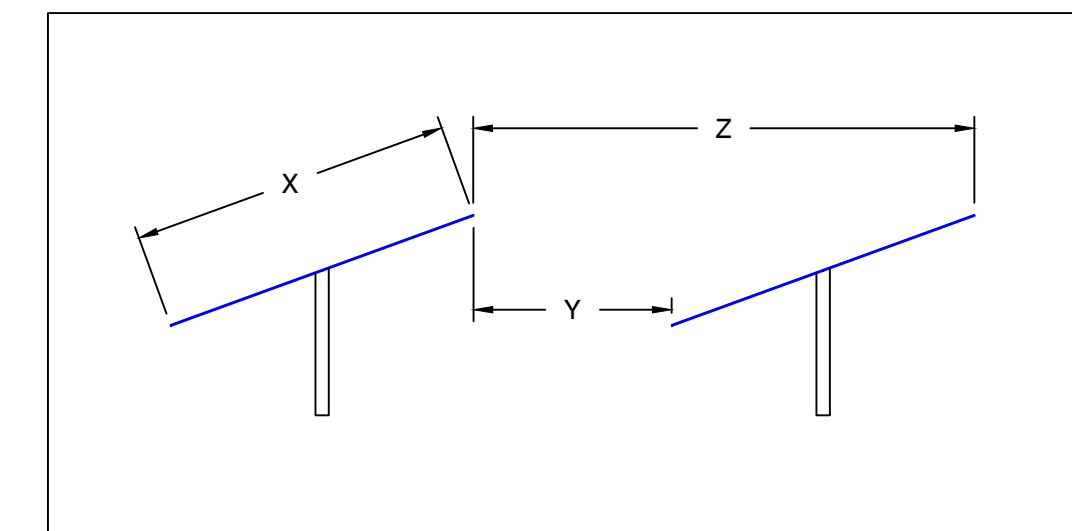


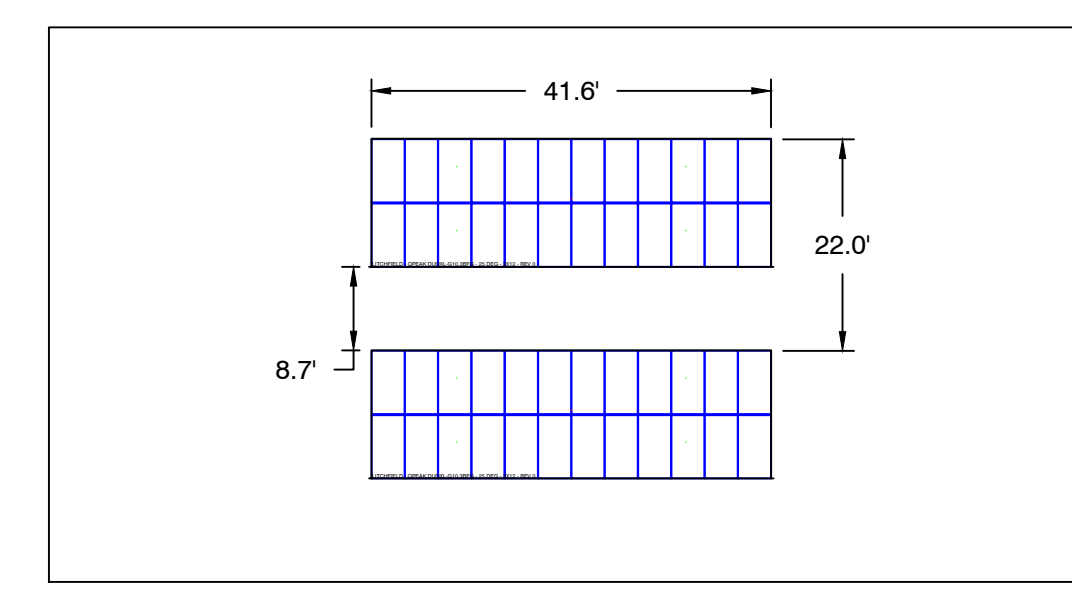
1 ARRAY PLAN
 Scale: 1"=250'

PROJECT DETAILS	
SYSTEM SIZE AC	19,800.00 kW
SYSTEM SIZE DC	23,109.12 kW
DC/AC RATIO	1.17
MODULE MODEL	HANWHA Q CELLS Q.PEAK DUO XL-G10.3/BFG 480W
MODULE RATING	480 W
TOTAL MODULE QTY	48,144
# OF MODULES PER STRINGS	24
TOTAL # OF STRINGS	2,008
INVERTER MODEL	SUNGROW SG125HV
INVERTER RATING	125 kW
TOTAL INVERTER QTY	170
RACKING	GROUND MOUNT FIXED TILT
TILT ANGLE	25°
AZIMUTH	180°
PITCH	22.03°
INTER ROW SPACING	8.69'
GCR	61%
FENCED AREA	65.65 ACRES
PROPERTY AREA	211.70 ACRES
AVERAGE DISTANCE BETWEEN FENCE AND MODULE	15'
MINIMUM DISTANCE BETWEEN FENCE AND MODULE	4.5'
AVERAGE DISTANCE BETWEEN WETLANDS AND MODULE	100'
MINIMUM DISTANCE BETWEEN WETLANDS AND MODULE	50'



GCR TABLE			
	FEET	METER	
X	14.58	4.44	MODULE WIDTH
Y	8.69	2.65	AISLE WIDTH
Z	22.03	6.72	PITCH
GCR PER PVSYST	66%		X/Z
ACTUAL GCR	60.5%		(Z-Y)/Z

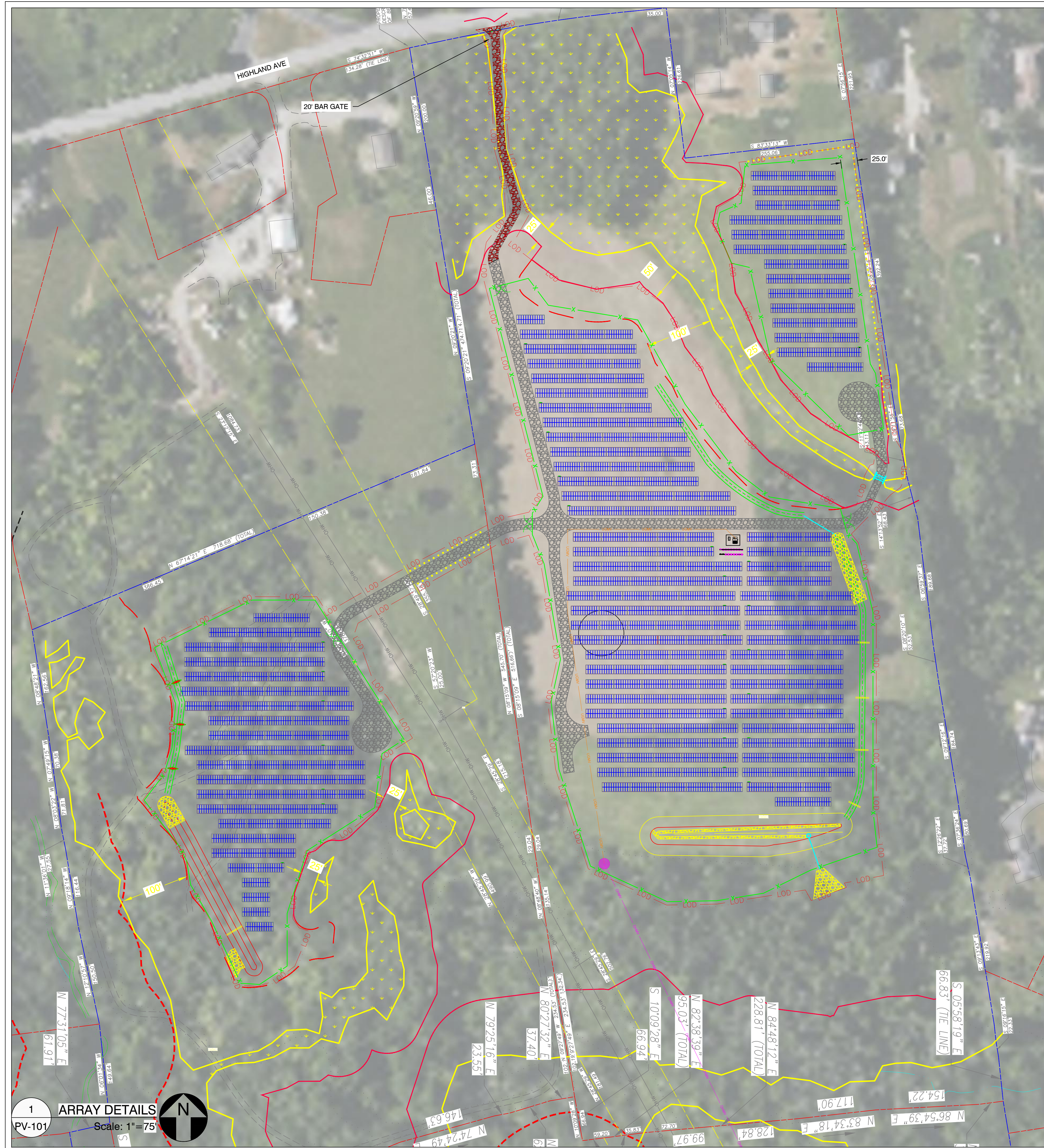
3 GCR DETAILS
 Scale: NTS



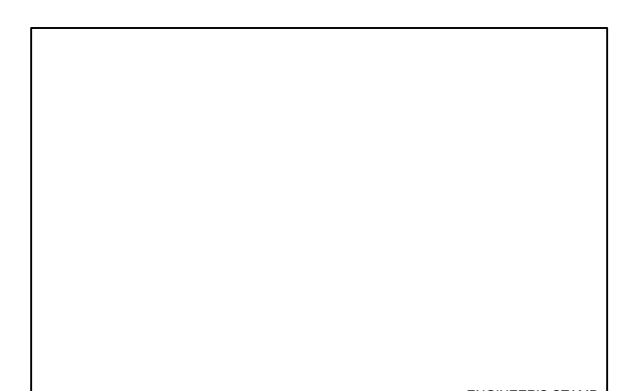
2 TYP. MODULE RACKS
 Scale: 1"=20'

LEGEND	
	2P X 12 HANWHA Q-CELLS 480W @25° TILT
	EQUIPMENT RACK (TYP. OF 8) (1) LV SWITCHGEAR & (1) MV TRANSFORMER
	SUNGROW 125kW STRING INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	WETLANDS
	UNDERGROUND DC CABLE
	UNDERGROUND MEDIUM VOLTAGE CABLE
	OVERHEAD ELECTRICAL LINES
	PERMANENT FENCE LINE
	TEMPORARY FENCE LINE
	LIMIT OF DISTURBANCE
	STORMWATER BASIN
	16FT ACCESS ROADS
	12FT ACCESS ROADS
	TEMPORARY LAYDOWN AREA (TO BE RESTORED FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES)
	25' WETLAND BUFFER
	100' WETLAND SETBACK
	100' GULF STREAM BUFFER
	WETLAND ID
	LANDSCAPING

ENGINEER'S STAMP	
0	PROPOSED
REV	DESCRIPTION
PROPOSED LAYOUT	
PV-100	
SHEET TITLE	
LITCHFIELD SOLAR	
PROJECT DETAILS	
ROSSI RD, TORRINGTON, CT 06790	LAT: 41.794157° / LON: -73.168028°
DATE: 10/11/2023	DATE: 10/11/2023
SCALE: AS SHOWN	SCALE: AS SHOWN
PAPER SIZE: 24" X 36"	PAPER SIZE: 24" X 36"
DTR: LAKIR RAMBHA	CHKD: STEPHEN SMITH
ENGR: ENGR	ENGR: ENGR



LEGEND	
	2P X 12 HANWHA Q-CELLS 480W @25° TILT
	EQUIPMENT RACK (TYP. OF 8) (1) LV SWITCHGEAR & (1) MV TRANSFORMER
	SUNGROW 125kW STRING INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTERS
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	WETLANDS
	UNDERGROUND DC CABLE
	UNDERGROUND MEDIUM VOLTAGE CABLE
	OVERHEAD ELECTRICAL LINES
	PERMANENT FENCE LINE
	TEMPORARY FENCE LINE
	LIMIT OF DISTURBANCE
	STORMWATER BASIN
	16FT ACCESS ROADS
	12FT ACCESS ROADS
	TEMPORARY LAYDOWN AREA (TO BE RESTORED FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES)
	25' WETLAND BUFFER
	100' WETLAND SETBACK
	100' GULF STREAM BUFFER
	WETLAND ID
	LANDSCAPING



REV	DESCRIPTION	BY	CHK	DATE
0	PROPOSED	LR	SS	10/11/2023

SHEET TITLE: **ARRAY DETAILS** PV-101

PROJECT: **LITCHFIELD SOLAR**

ROSSI RD, TORRINGTON, CT 06790 LAT: 41.794157° / LON: -73.168028°

DATE: 10/11/2023

SCALE: AS SHOWN

PAPER SIZE: 24" X 36"

DTR: LAKIR RAMBHA

CHKD: STEPHEN SMITH

ENGR: ENGR

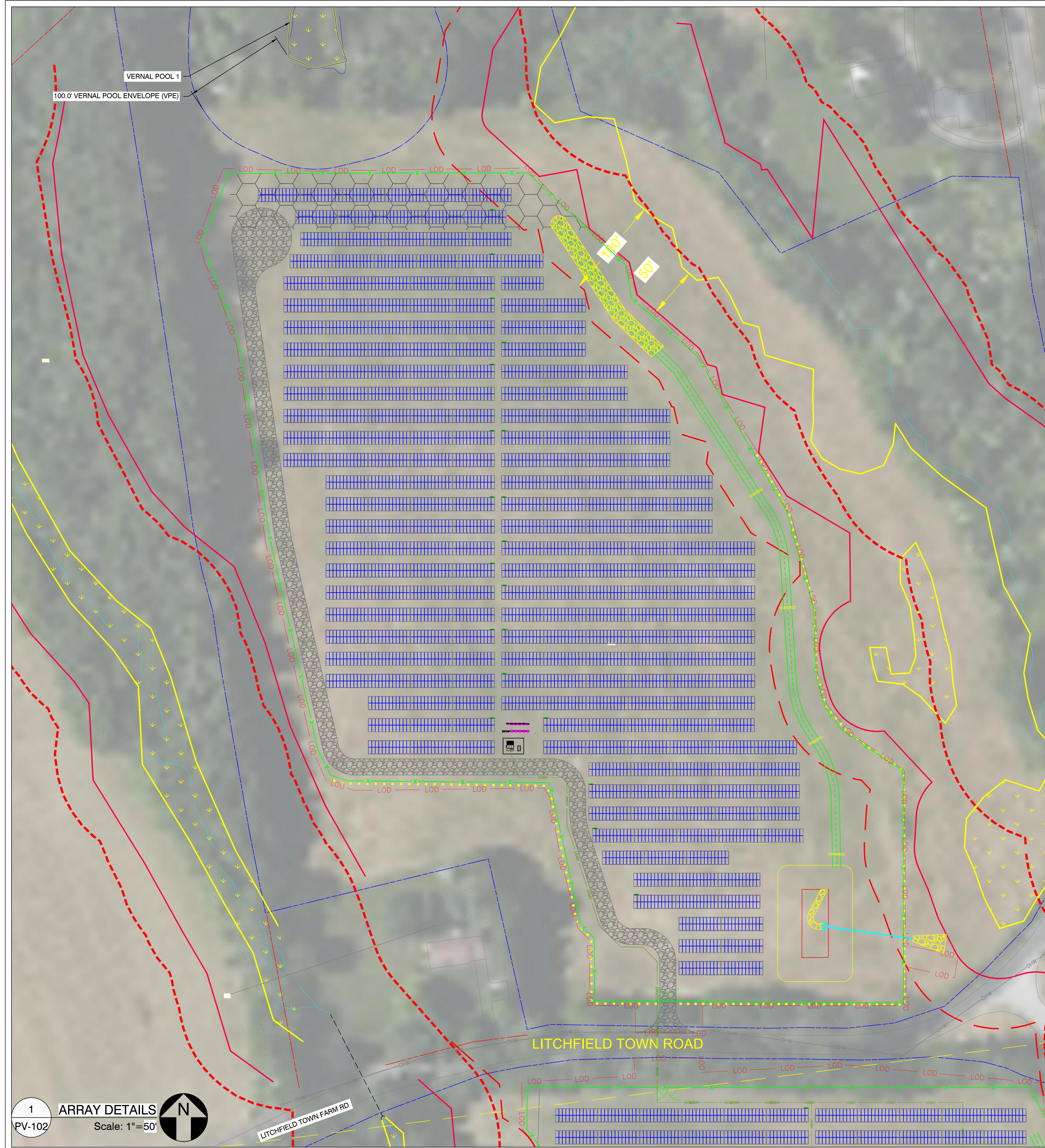
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1 ARRAY DETAILS

PV-101

Scale: 1" = 50'



LEGEND	
	2P X 12 HANWHA Q-CELLS 480W @25° TILT
	EQUIPMENT RACK (TYP. OF 8) (1) LV SWITCHGEAR & (1) MV TRANSFORMER
	SUNGROW 125kW STRING INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	WETLANDS
	UNDERGROUND DC CABLE
	UNDERGROUND MEDIUM VOLTAGE CABLE
	OVERHEAD ELECTRICAL LINES
	PERMANENT FENCE LINE
	TEMPORARY FENCE LINE
	LIMIT OF DISTURBANCE
	STORMWATER BASIN
	16FT ACCESS ROADS
	12FT ACCESS ROADS
	TEMPORARY LAYDOWN AREA (TO BE RESTORED FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES)
	25' WETLAND BUFFER
	100' WETLAND SETBACK
	100' GULF STREAM BUFFER
	2A WETLAND ID
	LANDSCAPING

1 ARRAY DETAILS
PV-102
Scale: 1"=50'



REV	DESCRIPTION	BY	CHK	DATE
0	PROPOSED	LR	SS	10/11/2023

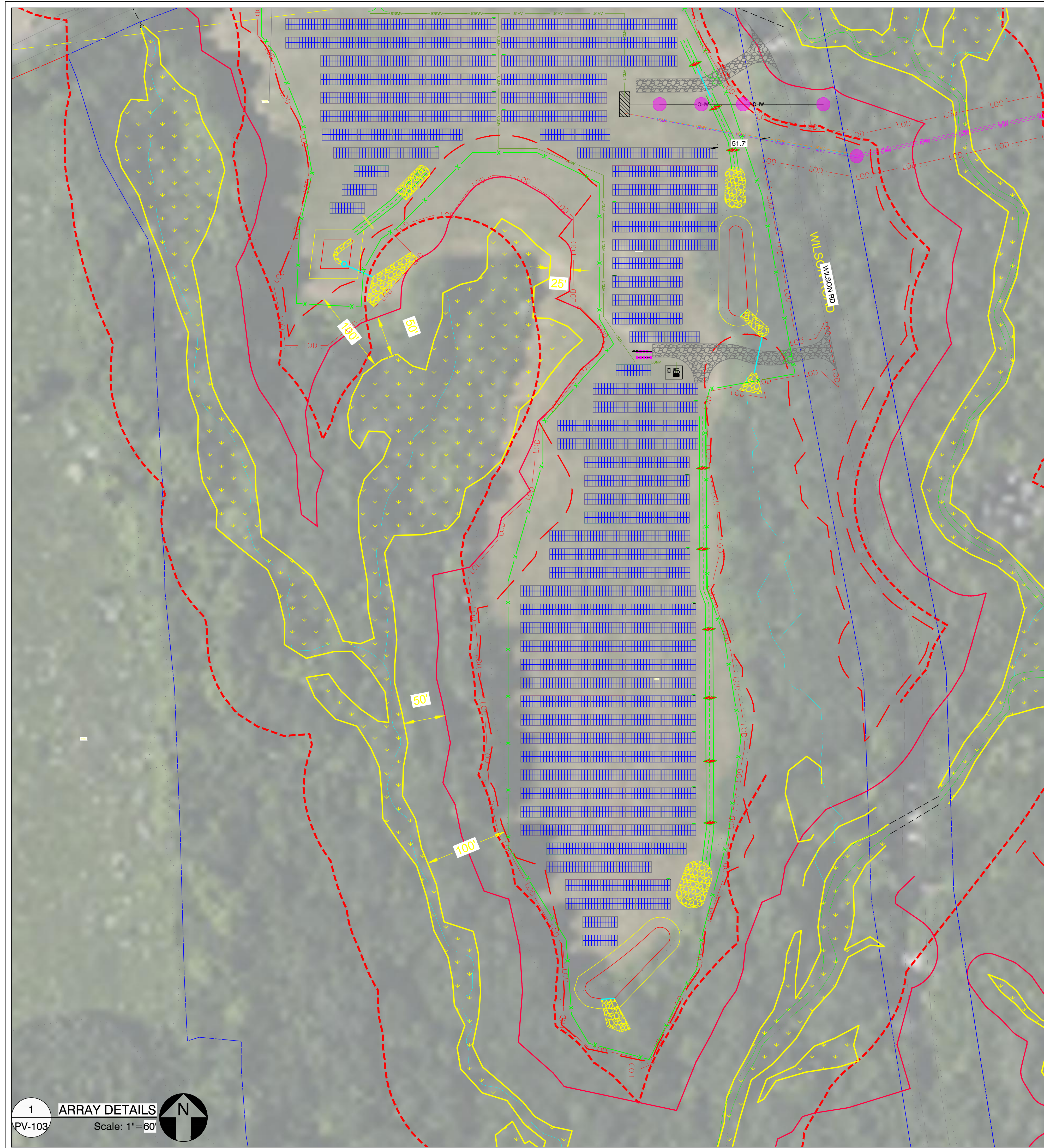
SHEET TITLE: **ARRAY DETAILS** SHEET NO: **PV-102**

PROJECT: **LITCHFIELD SOLAR**

PROJECT DETAILS: ROSSI RD, TORRINGTON, CT 06790 LAT: 41.794157° / LON: -73.168028°

	<small>1400 Shattuck Avenue, Suite 3 Berkeley, California 94709</small>
DATE: 10/11/2023 SCALE: AS SHOWN PAPER SIZE: 24" X 36"	DTR: LAKIR RAMBHA CHKD: STEPHEN SMITH ENGR: ENGR

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LEGEND	
	2P X 12 HANWHA Q-CELLS 480W @25° TILT
	EQUIPMENT RACK (TYP. OF 8) (1) LV SWITCHGEAR & (1) MV TRANSFORMER
	SUNGROW 125kW STRING INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	WETLANDS
	UNDERGROUND DC CABLE
	UNDERGROUND MEDIUM VOLTAGE CABLE
	OVERHEAD ELECTRICAL LINES
	PERMANENT FENCE LINE
	TEMPORARY FENCE LINE
	LIMIT OF DISTURBANCE
	STORMWATER BASIN
	16FT ACCESS ROADS
	12FT ACCESS ROADS
	TEMPORARY LAYDOWN AREA (TO BE RESTORED FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES)
	25' WETLAND BUFFER
	100' WETLAND SETBACK
	100' GULF STREAM BUFFER
	2A WETLAND ID
	LANDSCAPING

1 ARRAY DETAILS
Scale: 1"=60'

ENGINEER'S STAMP

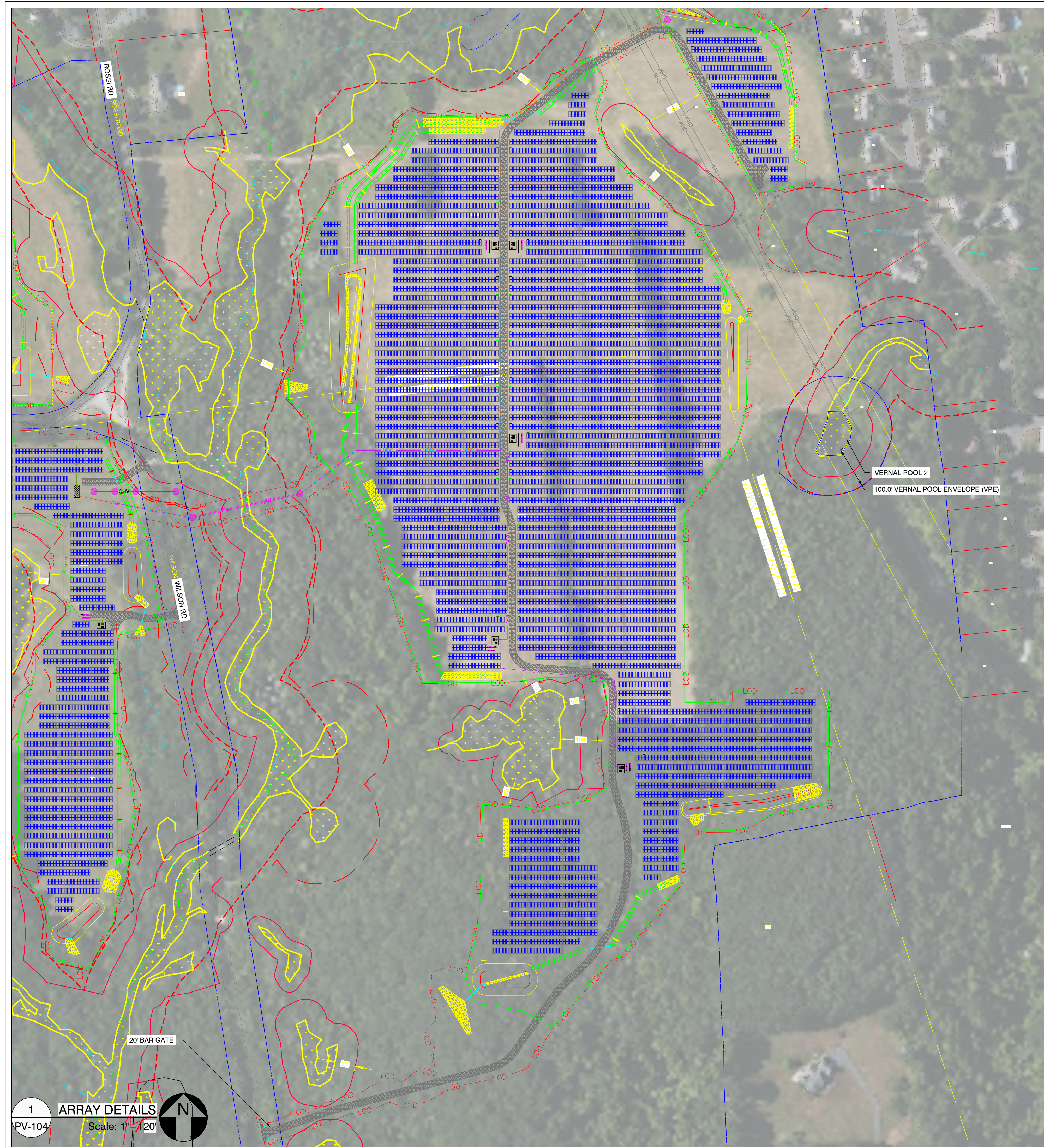
REV	DESCRIPTION	BY	CHK	DATE
0	PROPOSED	LR	SS	10/11/2023

ARRAY DETAILS **PV-103**

LITCHFIELD SOLAR
ROSSI RD, TORRINGTON, CT 06790 LAT: 41.794157° / LON: -73.168028°

	<small>1400 Shattuck Avenue, Suite 3 Berkeley, California 94709</small>
DATE: 10/11/2023	DTR: LAKIR RAMBHA
SCALE: AS SHOWN	CHKD: STEPHEN SMITH
PAPER SIZE: 24" X 36"	ENGR: ENGR

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LEGEND	
	2P X 12 HANWHA Q-CELLS 480W @25° TILT
	EQUIPMENT RACK (TYP. OF 8) (1) LV SWITCHGEAR & (1) MV TRANSFORMER
	SUNGROW 125kW STRING INVERTER
	EQUIPMENT RACK WITH 1 STRING INVERTER
	EQUIPMENT RACK WITH 3 STRING INVERTERS
	EQUIPMENT RACK WITH 4 STRING INVERTERS
	WETLANDS
	UNDERGROUND DC CABLE
	UNDERGROUND MEDIUM VOLTAGE CABLE
	OVERHEAD ELECTRICAL LINES
	PERMANENT FENCE LINE
	TEMPORARY FENCE LINE
	LIMIT OF DISTURBANCE
	STORMWATER BASIN
	16FT ACCESS ROADS
	12FT ACCESS ROADS
	TEMPORARY LAYDOWN AREA (TO BE RESTORED FOLLOWING COMPLETION OF CONSTRUCTION ACTIVITIES)
	25' WETLAND BUFFER
	100' WETLAND SETBACK
	100' GULF STREAM BUFFER
	2A WETLAND ID
	LANDSCAPING

ENGINEER'S STAMP

REV	DESCRIPTION	BY	CHK	DATE
0	PROPOSED	LR	SS	10/11/2023

ARRAY DETAILS **PV-104**

LITCHFIELD SOLAR

ROSSI RD, TORRINGTON, CT 06790 LAT: 41.794157° / LON: -73.168028°

1400 Shattuck Avenue, Suite 3
Berkeley, California 94709

DATE: 10/11/2023	DR: LAKIR RAMBHA	CONFIDENTIALITY STATEMENT THIS DRAWING IS THE PROPERTY OF SOLVIDA DESIGN AND ENGINEERING. THIS INFORMATION IS CONFIDENTIAL AND IS TO BE USED ONLY IN CONNECTION WITH WORK DESCRIBED BY SOLVIDA. NO PART IS TO BE DISCLOSED TO OTHERS WITHOUT WRITTEN PERMISSION FROM SOLVIDA DESIGN AND ENGINEERING.
SCALE: AS SHOWN	CHKD: STEPHEN SMITH	
PAPER SIZE: 24" X 36"	ENGR: ENGR	

1 **ARRAY DETAILS**

PV-104 Scale: 1"=120'