

SYSTEM SPECIFICATIONS	
SYSTEM SIZE DC	7,725.78 kW
SYSTEM SIZE AC	4,995.00 kW
DC/AC RATIO	1.55
MODULE MANUFACTURER	JINKO SOLAR
MODULE MODEL	JKM570M-72HL4-TV
MODULE RATING	570 W
TOTAL MODULE QTY	13,554
MODULES PER STRING	27
TOTAL NO. OF STRINGS	502
INVERTER MODEL	SOLIS 185K EHV 5G US-PLUS
INVERTER RATING	166.50 kW*
INVERTER QTY	30
NO. OF STRINGS PER INVERTER	16, 17
STEP-UP TRANSFORMER	13.8kV/600V, (2) 2747kVA
RACKING	ATI HSAT
TILT ANGLE	0°
TOTAL NO. TRACKER ROW WITH 108 MODULES	91
TOTAL NO. TRACKER ROW WITH 81 MODULES	46
INTER-ROW SPACING	16.6'
PITCH	24.1'
GCR	31%
AREA OCCUPIED	32.03 AC

* INVERTERS ARE TO BE FACTORY PROGRAMMED TO OUTPUT 166.50kW MAX.

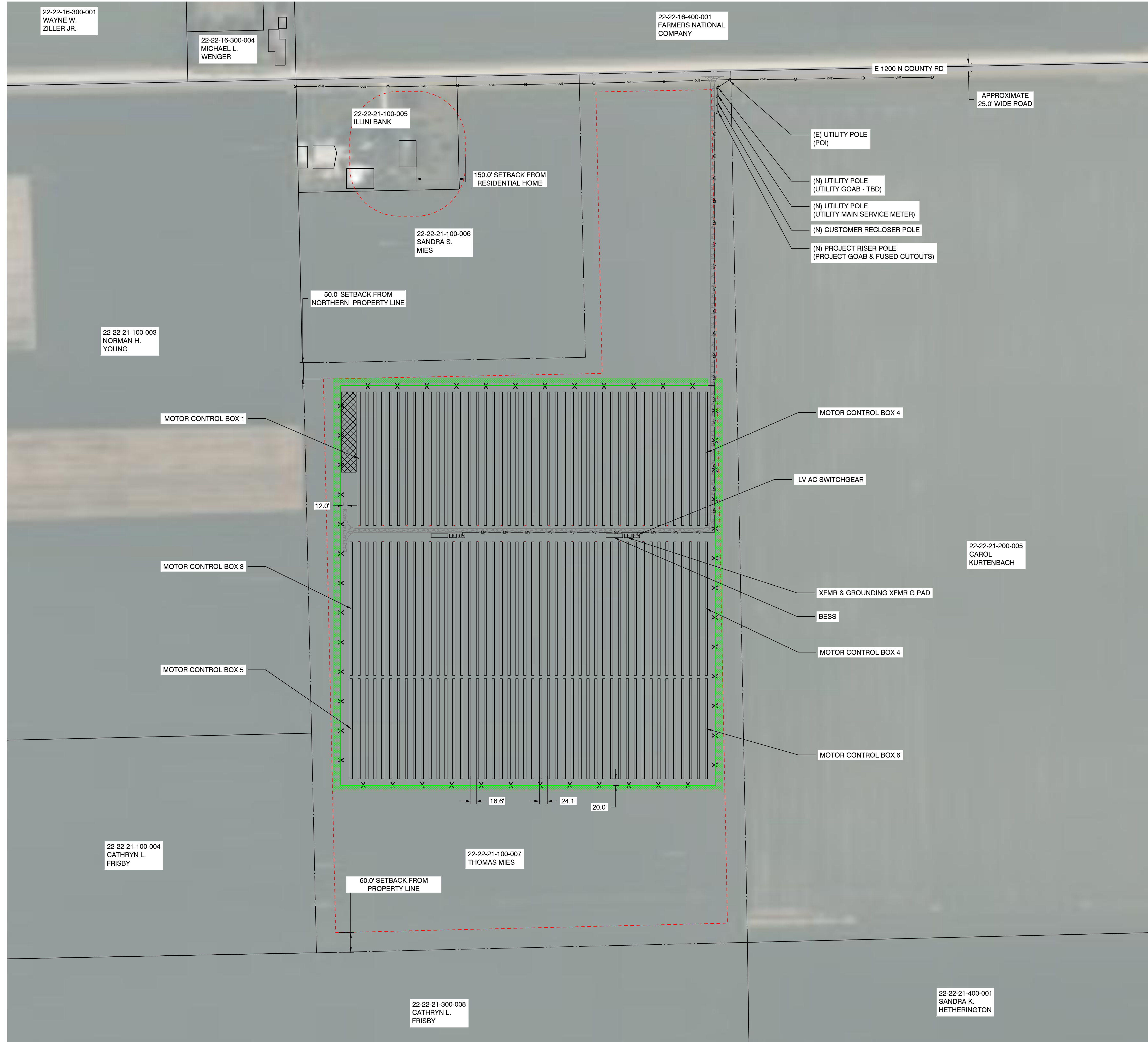
BESS SPECIFICATIONS	
MANUFACTURER	SYL BATTERY CO., LTD
RATED POWER	2,720 kW
CAPACITY	5,447.68 kWh
MODEL	SU340U170K

- GENERAL NOTES**
- CUSTOMER POLE, UTILITY AC DISCONNECT, FUSED, ACCESSIBLE, VISIBLE AND LOCKABLE DISCONNECT, PROVIDE PLACARD STATING "UTILITY AC DISCONNECT".
 - DISCONNECT: WILL BE ACCESSIBLE, LOCKABLE, VISIBLE BLADE DISCONNECT.
 - PV INSTALLATION TO COMPLY WITH NEC 2020 ARTICLE 690 AND ALL APPLICABLE LOCAL, STATE AND NATIONAL CODES OR REGULATIONS.
 - EQUIPMENT SHALL BE LABELED PER NEC 2020 ARTICLE 690.
 - 12' ACCESS DRIVES SHALL BE DESIGNED TO ACCOMMODATE ALL CONSTRUCTION, OPERATIONS, MAINTENANCE AND UTILITY TRAFFIC THROUGHOUT THE SITE.
 - PROVIDE UTILITY 24/7 UNESCORTED KEYLESS ACCESS.
 - ALL EQUIPMENT CLEARANCES AND WORK SPACES SHALL COMPLY WITH NEC 2020 REQUIREMENTS.

ADJACENT PROPERTIES		
APN	OWNER	ACREAGE
22-22-21-100-004	CATHRYN L. FRISBY	20.08
22-22-21-100-003	NORMAN H. YOUNG	60.42
22-22-16-300-001	WAYNE W. ZILLER JR.	175.02
22-22-16-300-004	MICHAEL L. WENGER	2.20
22-22-21-100-005	ILLINI BANK	3.87
22-22-21-100-006	SANDRA S. MIES	13.08
22-22-16-400-001	FARMERS NATIONAL COMPANY	201.82
22-22-21-200-005	STEPHEN PAUL KURTENBACH	80.51
22-22-21-400-001	SANDRA K. HETHERINGTON	80.07
22-22-21-300-008	CATHRYN L. FRISBY	37.64

ACREAGE BREAKOUT	
CROPLAND	63.39 Ac
TIMBER	0 Ac
TOTAL	63.39 Ac

LEGEND	
	108 MODULES TRACKER ROW
	81 MODULES TRACKER ROW
	(1) 600V 3500A PANELBOARD
	POWER STATION - (1) MV TRANSFORMER, (1) DAS, (1) WEATHER STATION
	STRING INVERTER
	12' WIDE SITE ACCESS ROAD
	EXISTING ROADS
	PROPERTY LINE
	SETBACK
	U.G. MEDIUM VOLTAGE CABLE
	UTILITY CIRCUIT
	PROJECT SITE SECURITY FENCE
	STORM WATER BASIN
	EXISTING STRUCTURES



PROJECT:

USS AVOCA SOLAR LLC

PROJECT ADDRESS:
E 1200 N RD,
FAIRBURY, IL 61739

LAT: 40.796714°
LON: -88.538618°

REV. NO.	DESCRIPTION	DATE
0	FOR INTERCONNECT APPLICATION	08/11/23

SHEET TITLE:

PRELIMINARY LAYOUT

DRAWING NO.:

PV-100

DRAWN BY: LR

REVIEWED BY:

DATE: 08/11/23

SCALE: AS SHOWN

PROJECT NO.: