



LEGEND

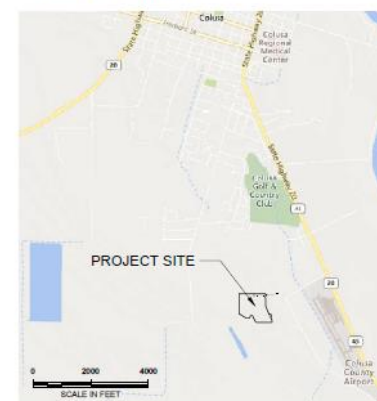
	PROPERTY BOUNDARY
	PROPOSED 7' TALL FENCE LINE
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	PROPOSED ACCESS ROAD (10' W)

MODULE SPECIFICATIONS	
MANUFACTURER	ZNSHINE PV-TECH Co., Ltd
MODEL	ZXM7-SHDB144-550/M
WATTAGE (STC)	550 W
WATTAGE (CEC)	515.6 W
VOC	50.2 V
VMP	41.9 V
ISC	13.89 A
IMP	13.13 A
MAX SYS VOLTAGE	1500V

INVERTER SPECIFICATIONS	
MANUFACTURER	EPC
MODEL	CAB3000/AC-3L 2 (50-100181)
MAX OUTPUT POWER NAMEPLATE	1500.0 kW AC
MAX OUTPUT POWER CEC	1499.86 kW AC
OUTPUT VOLTAGE	690V 3Ø 3-W
MAX INPUT VOLTAGE	1500 VDC
CEC EFFICIENCY	98%

BATTERY SPECIFICATIONS	
MANUFACTURER	Contemporary Ampere Technology Co.
MODEL	R03060P05L31
NAMEPLATE ENERGY CAPACITY	407.34 kWh DC
MAX CONTINUOUS DISCHARGE RATE	203.67 kW DC

NOTE:
1. THE LABELED HEIGHT OF POWERPOLES ARE APPROXIMATE. NEW POLES WILL BE CONSISTENT WITH THE EXISTING ONES.



INTEGRATOR:	NEXGRID 66 HARRISON AVE STE 60 PMB 7500 BOSTON, MA 02111-1929
SITE:	2495 NIAGARA AVENUE COLLEA, CA 95932
CODES:	NEC-2029 IBC-2018 CEC-2022
SOLAR ARRAY: MODULE:	ZHNSHE ZXM7-SHBD41 550W 13.156 MODULES
RACKING:	GROUND MOUNTED - SAT
INVERTER:	(1) EPS C&H 100-AC 3-2 @ 575V (DERATED)
DC STORAGE:	(1) DYNAPOWER DPS100-DC-DC CONVERTERS (16) RSC100-100V-12-750 LFP BATTERIES
DC OUTPUT:	7.235 kW @ VDC - STC
AC OUTPUT:	2.990 kW @ VAC

2949 NIAGARA AVENUE
7,235.8 - KW DC
2,990.0 - KW AC
PHOTOVOLTAIC POWER SYSTEM
W/ 3,000 - KW / 12,000 - KWH DC-COUPLED BESS

ASHRAE TEMPERATURE:		
YUBA COUNTY AP, CA, USA		
ELEV.	HIGH TEMPERATURE	LOW TEMPERATURE
	0.4% 2% AVG.	EXTREME MINIMUM
10m	40.6°C 38.1°C	-3.5°C

PREPARED FOR:

NextGrid

CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

PROPOSED PHOTOVOLTAIC ARRAY
2949 NIAGARA AVENUE
COLUSA, CA 95932

SITE LAYOUT PLAN

SHEET	PROJECT #	DATE:		DESIGNED BY	CHECKED BY	APPROVED BY
		DATE	TIME			
	54475	02/21/2025		STE LAKSOTPLAN	STE LAKSOTPLAN	