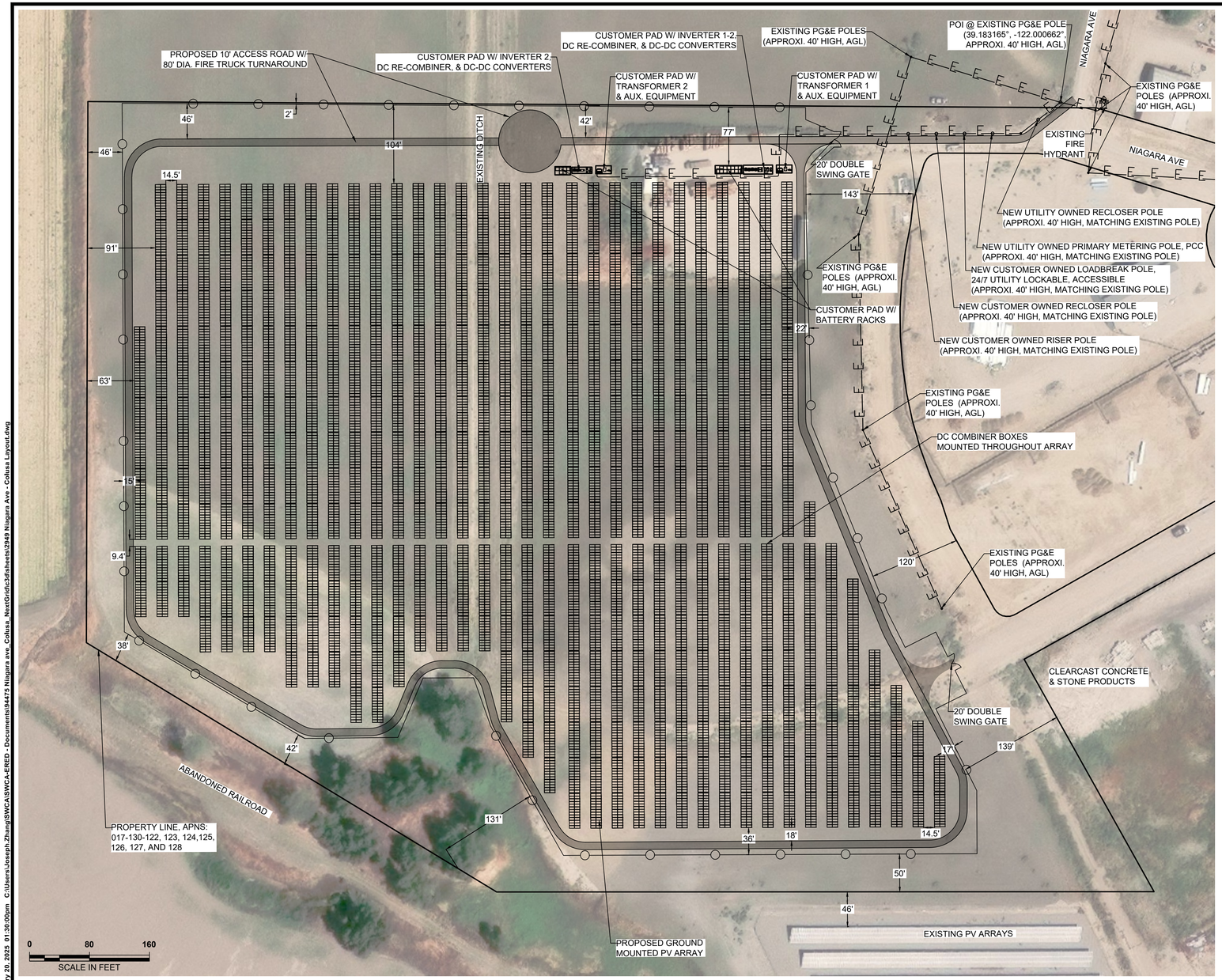

N
W
E
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LEGEND

- PROPERTY BOUNDARY
- PROPOSED 7' TALL FENCE LINE
- PROPOSED 7' TALL FENCE LINE
- 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	CAB1000/AC-3L.2 (50-100181)
MAX OUTPUT POWER NAMPLATE	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 Amperex Technology Co., Ltd.
MODEL	R08306P05L31
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.

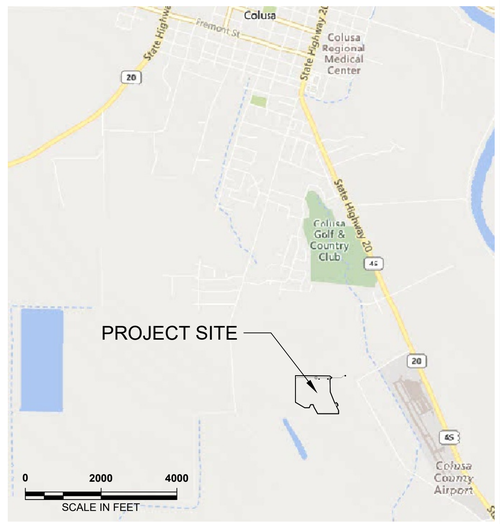
PROJECT DATA

INTEGRATOR:	NEXTGRID 68 HARRISON AVE. STE 605 PMB 73069 BOSTON, MA 02111-1929
SITE:	2949 NIAGARA AVENUE COLUSA, CA 95932
CODES:	NEC-2020 IBC-2018 CEC-2022
SOLAR ARRAY:	
MODULE:	ZNSHINE ZXM7-SHDB144 550W 13,156 MODULES
RACKING:	GROUND MOUNTED - SAT
INVERTER:	(3) EPC CAB1000/AC-3L.2 @ 575V (DERATED)
DC STORAGE:	(6) DYNAPOWER DPS500 DC-DC CONVERTERS (16) KORE POWER P2 750 LFP BLOCKS
DC OUTPUT:	7,235,800 W DC - STC
AC OUTPUT:	2,990,000 W AC

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
19m	40.6°C	38.1°C	-3.5°C



PREPARED BY:
SWCA ENVIRONMENTAL CONSULTANTS
320 NORTH HALSTEAD STREET, SUITE 120
PASADENA, CA 91107
(626) 240-0587
www.swca.com

PREPARED FOR:
NextGrid

CONCEPTUAL DESIGN
NOT FOR CONSTRUCTION

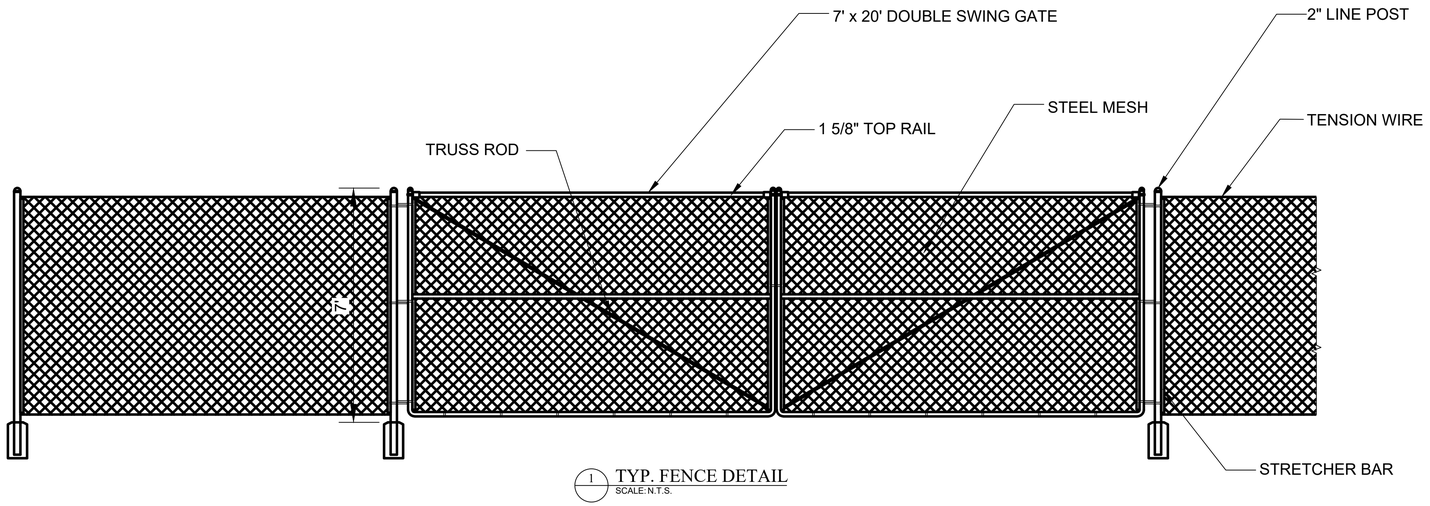
PROPOSED PHOTOVOLTAIC ARRAY
2949 NIAGARA AVENUE
COLUSA, CA 95932

SITE LAYOUT PLAN

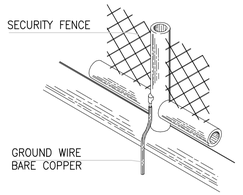
CHECKED BY:	DESIGNED BY: NEXTGRID	DRAWN BY:	JTZ
REV	DATE	DESCRIPTION	APPRV
1	12/2024	SITE LAYOUT PLAN	
2	01/2025	REVISED SITE LAYOUT PLAN	

DATE: 02/21/2025
PROJECT #: 94475

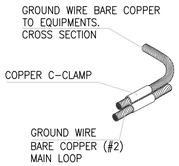
SHEET
1.0



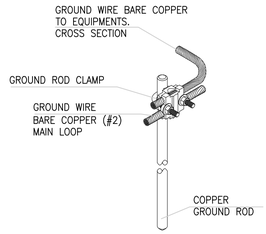
1 TYP. FENCE DETAIL
SCALE: N.T.S.



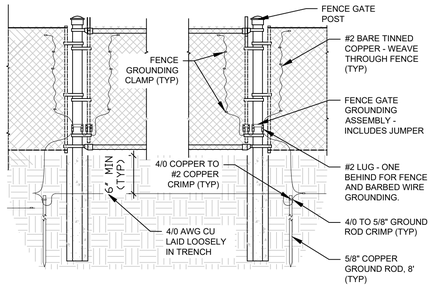
2 TYP. FENCE GROUNDING
SCALE: N.T.S.



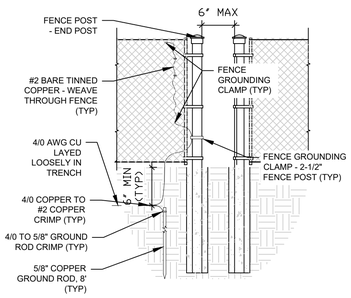
3 TYP. GROUND SPLICE
SCALE: N.T.S.



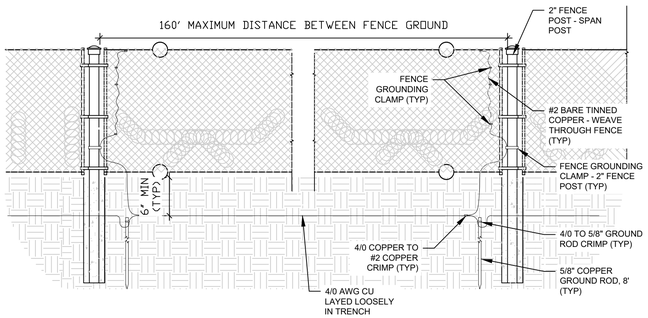
4 TYP. GROUND ROD
SCALE: N.T.S.



5 GATE GROUNDING
SCALE: N.T.S.



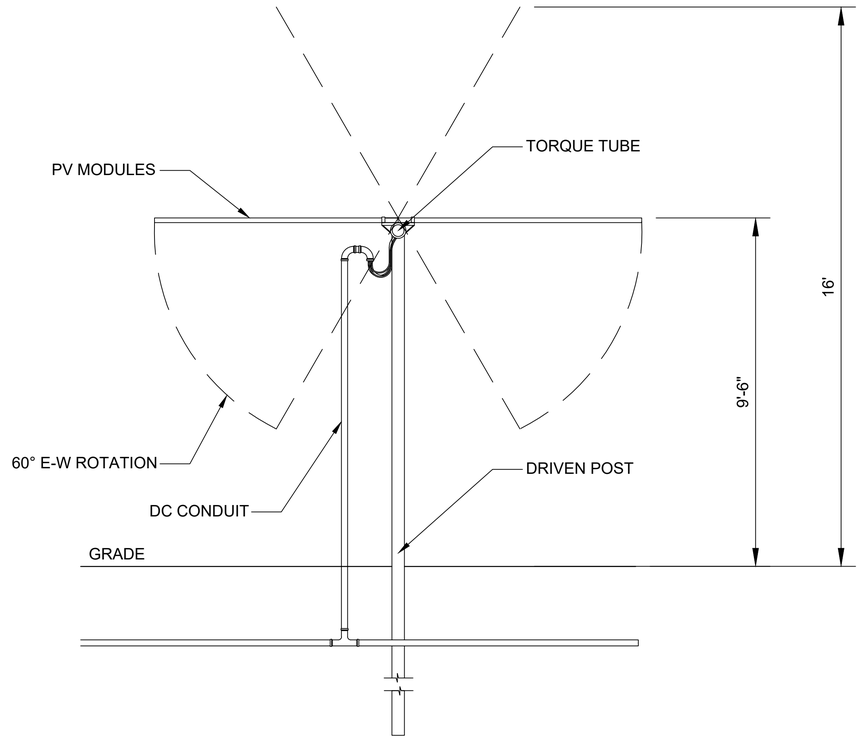
6 FENCE ISOLATION
SCALE: N.T.S.



7 GROUNDED FENCE SECTION
SCALE: N.T.S.

NOTES:

1. SURVEYOR SHALL MARK ALL ENDS OF ALL GROUNDED FENCE SEGMENTS WITH WOODEN STAKE PRIOR TO CONSTRUCTION.
2. FENCE SECTIONS SHALL BE GROUNDED WHEN OVERHEAD POLES ARE WITHIN 25' OF ANY PART OF FENCE. GROUNDED SECTION SHALL BE MINIMUM 25' EITHER SIDE OF OVERHEAD CROSSING.
3. FENCE SHALL BE GROUNDED WHEN UNDERGROUND CABLE PASSES UNDERNEATH THE FENCE. THE FENCE SHALL BE GROUNDED 15' ON EITHER SIDE OF UNDERGROUND FENCE CROSSING.
4. FENCE SHALL BE GROUNDED WHEN ELECTRICAL EQUIPMENT IS WITHIN 16' OR LESS.



8 TRACKER ELEVATION
SCALE: N.T.S.

DETAILS ON THIS PAGE WERE PROVIDED BY ARC DESIGN

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ARC DESIGN

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NextGrid

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NOT FOR CONSTRUCTION

PROPOSED PHOTOVOLTAIC ARRAY
2949 NIAGARA AVENUE
COLUSA, CA 95932

DETAILS - FENCE AND PANEL

CHECKED BY:	DESIGNED BY: NEXTGRID	DRAWN BY: JYZ

REV	DATE	DESCRIPTION	APPRV
1	12/2024	SITE LAYOUT PLAN	
2	01/2025	REVISED SITE LAYOUT PLAN	

DATE: 02/21/2025
PROJECT #: 94475

NOT TO SCALE

SHEET
2.0