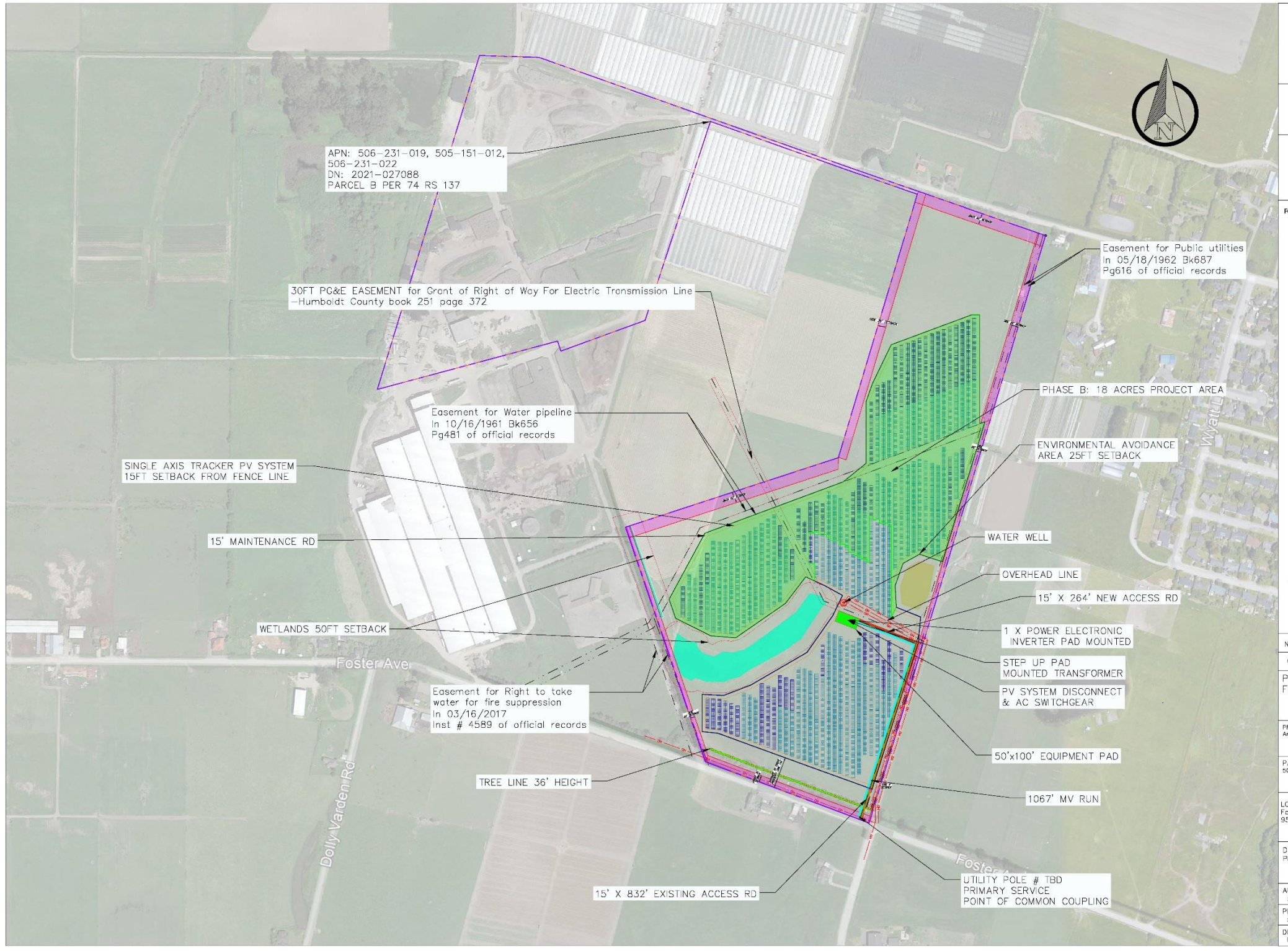
Figure A-1 Foster Clean Power A Project Site Plan



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ADMIN@RENEWAM.COM

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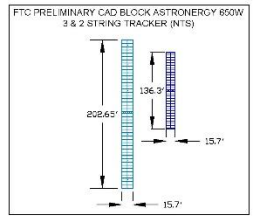
FOSTER CLEAN POWER A PV SYSTEM SPECS:

MODULE SPECIFICATION	
MANUFACTURER	ASTRO
PV MODULE MODEL	CS3W-650MS
PV MODULE POWER (STC)	650
OPEN CIRCUIT VOLTAGE (V)	45.28
VOLTAGE TEMP. COEFF. (%/°C)	-0.25
INVERTER SPECIFICATION	
MANUFACTURER	POWER ELECTRONICS
INVERTER MODEL	FS3350A
MAX OUTPUT POWER (kW)	3300
AC OUTPUT CURRENT (A)	2756
NOMINAL VOLTAGE (V)	0.48
MAX INPUT CURRENT (A)	3363
MPPT VOLTAGE START UP (V)	575
MAX INPUT VOLTAGE (V)	1500
PV SYSTEM SPECIFICATION	
DC SYSTEM SIZE (kWp)	4807
TOTAL NUMBER OF MODULES	5390
AC SYSTEM NAMEPLATE (kW)	3300
TOTAL NUMBER OF INVERTERS	1
LOADING RATIO	1.47
INVERTER QUANTITY	15.9
PTC 2 STRING TRACKER QUANTITY	25
PTC 1 STRING TRACKER QUANTITY	80
TRUNKING ANGLE RANGE (°)	90
BATTERY STORAGE SYSTEM SPECIFICATION	
MANUFACTURER	BYD
BESS MODEL	CP1Q-R2000-LS-NAXX2/XV1
MAX DC OUTPUT CURRENT (A)	669
NOMINAL VOLTAGE (V) DC	1094.4
BATTERY CAPACITY (kWh)	2630
OUTPUT POWER (kW)	825
DC USABLE ENERGY (kW)	2990
TOTAL BESS UNIT QUANTITY	3
TOTAL BESS POWER (MW)	1.25
TOTAL BESS CAPACITY (MWh)	5330

PTC PRELIMINARY CAD BLOCK ASTRONERGY 650W
3 & 2 STRING TRACKER (NTS)



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NO.	REVISION / ISSUE	DATE
0.	A001	14-Nov-22

PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER:	PROPERTY OWNER CONTACT:
Arcata Land Company LLC	(707)-845-7721

PARCEL NUMBER:
505-231-019, 505-151-012, 506-231-022

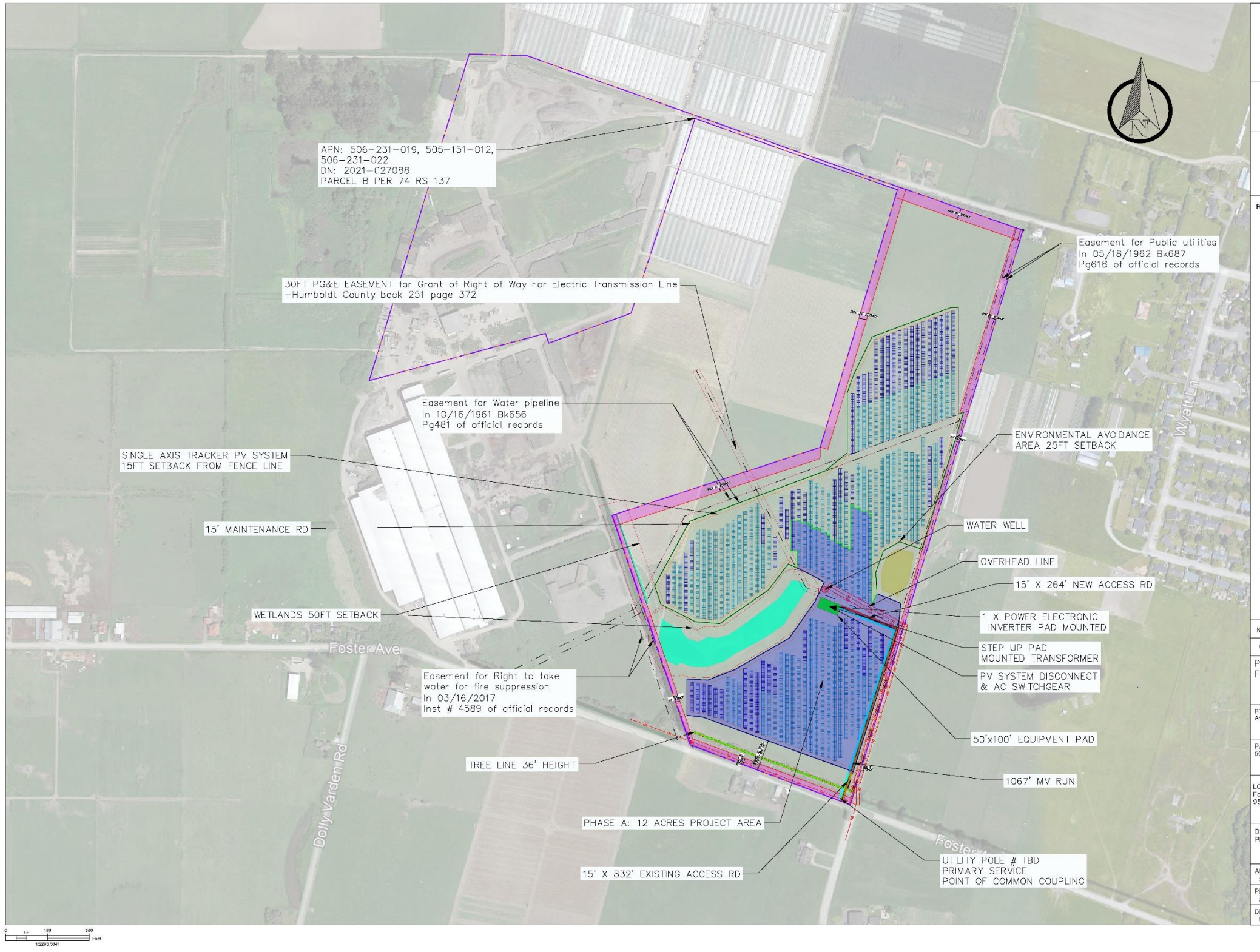
LOCATION:	POI GPS COORDINATES:
Foster Ave, Arcata, CA 95521	40.881197, -124.100703

DRAWING TITLE:
PHASE A SITE PLAN

AUTOCAD FILE NAME:	SHEET:
221114-RNA-FOSTA-PP	SITE PLAN-FOSTA
PLOT FILE NAME: 221114-RNA-FOSTA-PP	PLOT DATE: 14-Nov-22

DRAWN BY:	CHECKED BY:	SCALE:	PLOT TIME:
UR		1"= 190'	09:54

Figure A-2 Foster Clean Power B Project Site Plan



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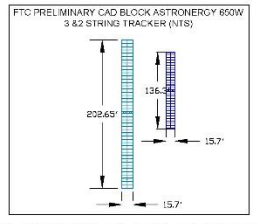
FOSTER CLEAN POWER B PV SYSTEM SPECS:

MODULE SPECIFICATION	
MANUFACTURER	ASTRO
PV MODULE MODEL	CHSM686-HC
PV MODULE POWER (Pmax)	650
OPEN CIRCUIT VOLTAGE (Voc)	45.28
VOLTAGE TEMP. COEFF. (%/°C)	0.25
INVERTER SPECIFICATION	
MANUFACTURER	POWER ELECTRONICS
INVERTER MODEL	FS4200X
MAX DC-SIDE POWER (kW)	4000
AC-SIDE POWER CURRENT (A)	2578
NOMINAL VOLTAGE (kV)	0.69
MAX PHASE CURRENT (A)	4,000
MIN VOLTAGE TO ANSI (P.U)	0.6
MAX PHASE VOLTAGE (V)	1.100
PV SYSTEM SPECIFICATION	
DESIGN SYSTEM SIZE (MW)	6240
TOTAL NUMBER OF MODULES	9600
AC SYSTEM NAMEPLATE (MW)	4000
TOTAL NUMBER OF INVERTERS	1
LOADING RATIO	1.56
PITCH SPACING (FT)	13.3
FTC 2 STRING TRACKER QUANTITY	32
FTC 3 STRING TRACKER QUANTITY	72
TRACKING ANGLE RANGE (°)	±60
BATTERY STORAGE SYSTEM SPECIFICATION	
MANUFACTURER	BYD
BESS MODEL	CP32-6280D-LH-MMD/PMS
MAX DC-SIDE POWER CURRENT (A)	1187
NOMINAL VOLTAGE (V DC)	1094.4
BATTERY CAPACITY (MWh)	2500
DC-SIDE POWER (kW)	540
DC STRING STRUCTURE (KV)	2000
TOTAL BESS UNIT QUANTITY	5
TOTAL BESS POWER (MW)	2.72
TOTAL BESS CAPACITY (MWh)	11660

FTC PRELIMINARY CAD BLOCK ASTRONERGY 650W 3 &2 STRING TRACKER (NTS)



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NO.	REVISION / ISSUE	DATE
0.	A002	14-Nov-22

PROJECT NAME:
FOSTER CLEAN POWER A & B

PROPERTY OWNER: Arcata Land Company LLC	PROPERTY OWNER CONTACT: (707)-845-7721
PARCEL NUMBER: 505-231-019, 505-151-012, 506-231-022	
LOCATION: Foster Ave, Arcata, CA 95521	POI GPS COORDINATES: 40.881197, -124.100703
DRAWING TITLE: PHASE B SITE PLAN	
AUTOCAD FILE NAME: 221114-RNA-FOSTA-SP	SHEET: SITE PLAN-FOSTB
PLOT FILE NAME: 221114-RNA-FOSTA-SP	PLOT DATE: 14-Nov-22
DRAWN BY: UR / CHECKED BY: / SCALE: 1"= 190'	PLOT TIME: 09:54