

## **RESPONSIBILITY NOTES**

- . THE FOLLOWING EQUIPMENT SHOWN ON THESE PLANS WILL BE PROVIDED AND DELIVERED BY BLOOM ENERGY. APPLICABLE TRADES TO MOUNT AND MAKE FINAL
- POWER DISTRIBUTION SECTION (PDS) - TELEMETRY CABINET (TC)
- WATER DEIONIZATION MODULE (WDM) - SIGNAGE (SEE SAFETY SIGNAGE) - SITE KIT (SEE SITE KIT NOTES)
- . THE FOLLOWING EQUIPMENT SHOWN ON THESE PLANS WILL BE PROVIDED, DELIVERED AND MOUNTED BY BLOOM ENERGY. APPLICABLE TRADES TO MAKE FINAL - CLEAN ENERGY SERVER - PRECAST SUPPORT PADS (SEE SHEET 1 OF 1)

#### SITE KIT NOTES

- BLOOMENERGY TO PROVIDE AND DELIVER THE SITE KIT.
- ELECTRICAL AND PLUMBING CONTRACTOR TO INSTALL SITE KITS, CONSISTING OF PAD PLUMBING AND BUS BARS, ON THE PRECAST CONCRETE PAD PER MANUFACTURE SPECIFICATIONS.
- . PWM DEFLECTORS NOT REQUIRED AT THIS SITE.

### **CONDUIT & PIPE LENGTHS**

TYPE	TOTAL DISTANCE FROM TIE-IN TO FURTHERMOST ES UNIT (LIN
GAS PIPE	±155'
ELECTRICAL CONDUI	T ±170'
DATA CONDUIT	±210'
WATER PIPE	±190'

# LEGEND OF UTILITY LINES

DATA DATA	DATA LINE	—SA——SA——	Sanitary Line
-000	FENCE LINE	—st——st——	STORM LINE
—-FO&T	FIBER OPTICS & PHONE	—	TELEVISION LINE
— G —— G ——	GAS LINE	UGE	UNDERGROUND
	JOINT TRENCH		WATER LINE
OHE	OVERHEAD ELECTRICAL		

### **KEYNOTES**

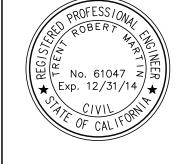
- 1 )—(N) UTILITY GAS METER SET ASSEMBLY (MSA) FOR CLEAN ENERGY SERVER. COORDINATE LOCATION AND INSTALLATION REQUIREMENTS WITH UTILITY COMPANY PRIOR TO INSTALLATION, MAINTAIN MINIMUM 3'-0" CLEARANCE FROM ALL IGNITION SOURCES. PROVIDE CONCRETE PAD PER GAS ASSEMBLY PAD (SHEET 5.0). MSA & INTERCONNECTION PER NATURAL GAS DIAGRAM (SHEET 5.0). ADD IMPACT PROTECTION AS INDICATED BY UTILITY COMPANY.
- 2)—(N) PRIVATE GAS RISER FOR CLEAN ENERGY SERVER WITH SHUT-OFF VALVE. RISER PER SHEET 5.0 & NATURAL GAS SUPPLY DIAGRAM (SHEET 5.0).
- (3)—(N) GAS SERVICE CONNECTION TO ES UNITS AND (E) FACILITY BY UTILITY COMPANY CONTRACTOR TO PROVIDE TAP FIT, EXCAVATION AND REPLACE TO ORIGINAL CONDITIONS AS REQUIRED BY UTILITY COMPANY AND PERMITTING AUTHORITY. PROVIDED (N) GAS PIPE FROM (N) GAS SERVICE RUN TO SHARED RISER FOR (N) UTILITY GAS MSA PER KEYNOTE 1 AND (N) UTILITY GAS MSA PER KEYNOTE 22. COORDINATE ROUTING PATH AND MSA LOCATION WITH UTILITY PRIOR TO INSTALLATION. SIZE & TRENCHING REQUIREMENTS PER UTILITY COMPANY.
- (4)—(N) GAS PIPE FROM (N) UTILITY GAS MSA TO TERMINATE AT (N) ES UNIT. SEE TRENCHING DETAILS (SHEET 3.1). SIZE(S) PER NATURAL GAS SUPPLY DIAGRAM (SHEE
- (5)—(N) DATA CONDUIT & CABLE FROM (N) UTILITY GAS MSA TO (E) MPOE. SEE TRENCHING DETAILS (SHEET 3.1). SIZE(S) PER ELECTRICAL DATA DETAILS (SHEET 6.2
- (6)—(N) ELECTRICAL CONDUIT & CABLE FROM (N) PDS TO TERMINATE AT (E) MSB. SEE TRENCHING DETAILS (SHEET 3.1). SIZE(S) PER ONE LINE DIAGRAM (SHEET 6.1).
- (7)—(N) DATA CONDUIT & CABLE FROM (N) TO TERMINATE AT (E) MPOE. SEE TRENCHING DETAILS (SHEET 3.1). SIZE(S) PER ELECTRICAL DATA DETAILS (SHEET 6
- (8)—(N) WATER PIPE FROM BUILDING DOMESTIC WATER SYSTEM TO (N) WDM. CONNECT TO NEAREST AVAILABLE LOCATION. SEE TRENCHING DETAILS (SHEET 3.1). SIZE(S) PER INTERCONNECTION DIAGRAM (SHEET 5.0). 9)—(N) ELECTRICAL DISCONNECT, SPECIFICATIONS PER ONE LINE DIAGRAM (SHEET 6.1
- PAD AND MOUNTING SPECIFICATIONS PER GRADING PLAN (SHEET 3.0). INSURE LOCATION MEETS ALL REQUIRED N.E.C. CLEARANCES. PROVIDE MODEL NUMBER ON THE OUTSIDE OF THE FRONT PANEL. COMPLETE SPECIFICATION PER ELECTRICAL SPECIFICATIONS (SHEET 8.0) SECTION 16A.2-6. CONDUIT STUB-UP LOCATIONS PER ELECTRICAL CONDUIT DETAILS (SHEET 6.3). (N) BLOOMENERGY ES-5710 & ES-5410 ENERGY SERVER. PAD AND MOUNTING
- SPECIFICATIONS PER PRECAST CONCRETE PAD (SHEET 1 OF 1). PAD PLACEMENT PER GRADING PLAN (SHEET 3.0). CONDUIT STUB-UP LOCATIONS PER PIPING PLAN & DETAILS (SHEET 4.0) & ELECTRICAL CONDUIT DETAILS (SHEET 6.3).
- (11)—(N) POWER DISTRIBUTION SYSTEM (PDS). PAD AND MOUNTING SPECIFICATIONS PER ONE LINE DIAGRAM (SHEET 6.1). CONDUIT STUB-UP LOCATIONS PER ELECTRICAL CONDUIT DETAILS (SHEET 6.3)
- (12)—(N) TELEMETRY CABINET (TC) WITH FACTORY WIRED CLEAN ENERGY SERVER EMERGENCY POWER-OFF SWITCH (EPO). PAD AND MOUNTING SPECIFICATIONS PER ONE LINE DIAGRAM (SHEET 6.1). CONDUIT STUB-UP LOCATIONS PER ELECTRICAL CONDUIT DETAILS (SHEET 6.3)
- (13)—(N) WATER DEIONIZATION MODULE (WDM). PAD AND MOUNTING SPECIFICATIONS PER GRADING PLAN (SHEET 3.0). CONDUIT STUB-UP LOCATIONS PER ELECTRICAL
- CONDUIT DETAILS (SHEET 6.3) & PIPING PLAN & DETAILS (SHEET 4.0) (14)—CORE CONDUIT AND/OR PIPE THROUGH (E) WALL. SCAN WALL PRIOR TO CORING.
- DETAIL PER PIPING PLAN & DETAILS (SHEET 4.0). (15)—(N) 10'-0" COPPER GROUNDING RODS 6'-0" APART WITH ERICO T416D INSPECTION WELL. SPECIFICATIONS PER ONE LINE DIAGRAM (SHEET 6.1).
- (16)—(N) WATER TAP. IF WATER PRESSURE EXCEEDS 150 PSI, CONTRACTOR TO COORDINATE WITH BLOOM ENERGY, PURCHASE AND INSTALL PRESSURE REGULATOR PRIOR TO WDM.
- 7)—CONTRACTOR TO PROVIDE SECURITY BOXES OVER CONDUIT & WIRE.
- (18)—(N) RETAINING WALL WITH FENCE PER GRADING PLAN (SHEET 3.0). 19)—TREES TO BE TRIMMED 10'-0" CLEARANCE TO BE MAINTAINED FROM ANY BRANCH TO ES UNIT VENT AND 6'-0" CLEARANCE TO BE MAINTAINED FROM ANY BRANCH TO
- 20)—(N) CONCRETE APRON OVER EXISTING LANDSCAPE. REROUTE ALL IRRIGATION LINES AROUND APRON, REMOVE EXISTING LANDSCAPE. ALL LANDSCAPED DAMAGED OUTSIDE OF APRON MUST BE REPLACED BY CONTRACTOR.
- (21)—(E) SITE LIGHTS TO BE RELOCATED TO (N) LOCATION AS SHOWN. CONTRACTOR TO REUSE (E) LIGHT POLE AND FIXTURES WHERE POSSIBLE. (22)—(N) UTILITY GAS METER SET ASSEMBLY (MSA) FOR BUILDING SERVICE. COORDINATE
- LOCATION AND INSTALLATION REQUIREMENTS WITH UTILITY COMPANY PRIOR TO INSTALLATION. MAINTAIN MINIMUM 3'-0" CLEARANCE FROM ALL IGNITION SOURCES. PROVIDE CONCRETE PAD PER GAS ASSEMBLY PAD (SHEET 5.0). ADD IMPACT PROTECTION AS INDICATED BY UTILITY COMPANY.
- (23)—(N) GAS PIPE FROM (E) UTILITY GAS PIPE TO (N) UTILITY MSA FOR BUILDING SERVICE TO TERMINATE AT (E) UTILITY GAS PIPE. SIZE & TRENCHING REQUIREMENTS PER UTILITY
- (24)—(E) TREES TO BE REMOVED AS NECESSARY.
- (25)—(N) RIVER ROCK FILL PER GRADING PLAN (SHEET 3.0). SLOPE AT A MAXIMUM OF 1: TO (N) SCREENING AND (E) LANDSCAPING.
- (26)—(N) LANDSCAPE SCREENING WITH SHRUBS TO MATCH EXISTING PER LANDSCAPING

CLIENT APPROVAL:	
	 DATE

SHEET NUMBER

SITE PLAN SCALE 1"=10'-0"

Bloom 1252 Orleans Drive, Sunny Tel: 408 543 1500 Fax: 408 543 1501 www.bloomenergy.com PROPRIETARY 8



ISSUE DATE DESCRIPTION

PROJECT INFORMATION

CHECKED BY:

(3) ES-5710, (2) ES-5410

SITE PLAN