



MSB LOAD SCHEDULE					
VOLTAGE: 480			PHASE: 3		
MOTOR TAG NO.	M OR F	PHASE	MOTOR (M) H.P. OR FEEDER (F) KVA	F.L.A.	DESCRIPTION
VFD-1	F	3	600	663	WELL PUMP #1
VFD-2	F	3	600	663	WELL PUMP #2 (FUTURE)
MCC	F	3	-	174	
TOTAL CURRENT				1800	LARGEST LEG CURRENT
LARGEST MOTOR x .25				167	
FEEDER LCL x .25				-	
TOTAL CURRENT				1667	
TOTAL KVA				1388	

MCC LOAD SCHEDULE						
VOLTAGE: 480				PHASE: 3		
MOTOR TAG NO.	M OR F	PHASE	MOTOR (M) H.P. OR FEEDER (F) KVA	F.L.A.	DESCRIPTION	
EH-1	F	1	10.00	20.8	ELECTRIC HEATER	
EH-2	F	1	10.00	20.8	ELECTRIC HEATER	
AC-1	F	3	21.70	28.10	90 MBH AIR CONDITIONER	
EF-1	M	3	1.00	2.10	EXHAUST FAN	
SP-1	M	3	3.00	4.80	LOADING RACK SUMP PUMP	
EH-3	F	1	2.00	4.16	ELECTRIC HEATER	
FEEDER LOADS						
TX-1	F		30.00	36.00	LIGHTING XFMR (208V/120V)	
TX-2	F		3.00	6.25	INSTRUMENT XFMR	
CHEM SHED	F		15.00	18.04	CHEMICAL SHED	
TOTAL CURRENT				139.05	LARGEST LEG CURRENT	
LARGEST MOTOR x .25				-		
FEEDER LCL x .25				34.75		
TOTAL CURRENT				173.8		
TOTAL KVA				95.7		

NOTICE
PHASE 2 ONLY

THIS DRAWING IS FOR INFORMATION ONLY AND HIGHLIGHTS INFORMATION FOR FUTURE PHASE 2 WORK UNDER A SEPARATE FUTURE CONTRACT. THE ADDITION OF AN ADDITIONAL SWBD SECTION, 2ND VFD, AND FILTER ARE NOT PART OF THIS CONTRACT.

NOTES

1. CUSTOMER METERING WITH MODBUS TCP ETHERNET CAPABILITY. UNIT IS CAPABLE OF MONITORING DEMAND, KW, KVAR, KVA, KWH, KVARH, VOLTS, AMPS AND HARMONICS.
2. MAIN BREAKER IS AN INSULATED CASE BREAKER, SOLID STATE TRIP WITH LONG TIME, SHORT TIME AND GROUND FAULT TRIP FUNCTIONS.
3. VFD BREAKER ARE INSULATED CASE BREAKERS, SOLID STATE TRIP WITH LONG TIME, SHORT TIME, GROUND FAULT AND SHUNT TRIP FUNCTIONS.



KIYOI ENGINEERING INC.
5266 Hollister Avenue #117
Santa Barbara, CA 93111
Phone: (805) 681-0980

1	7/11/12	RLK	ADDENDUM 1	
0	5/12/11	RLK	PHASE 1 - ISSUE FOR PERMIT & BID	
REV	DATE	BY	DESCRIPTION	

SCALE:
HOR. 1"=XX
VER. 1"=XX



IF THIS BAR DOES
NOT MEASURE 1"
THEN DRAWING IS
NOT TO SCALE

DESIGNED	RLK
DRAWN	WNS
CHECKED	RLK



Pueblo Water Resources

4478 Market St., Suite 705
Ventura, CA 93003
(805) 644-0470

UNAUTHORIZED CHANGES & USES CAUTION:
The engineer preparing these plans will not be responsible for, or liable for, unauthorized changes to or uses of these plans. All changes to the plans must be in writing and must be approved by the preparer of these plans.

Monterey Peninsula Water Management District
Santa Margarita Aquifer Storage and Recovery Project
ONE LINE DIAGRAM - PHASE 2

PROJECT NO.
10033

E-3C