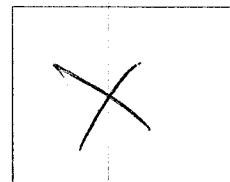


Type



Plans

BLD13-2347

Permit Number

Subdivision

9141

Street Number

GREEN VALLEY RD

Street Name

GRA

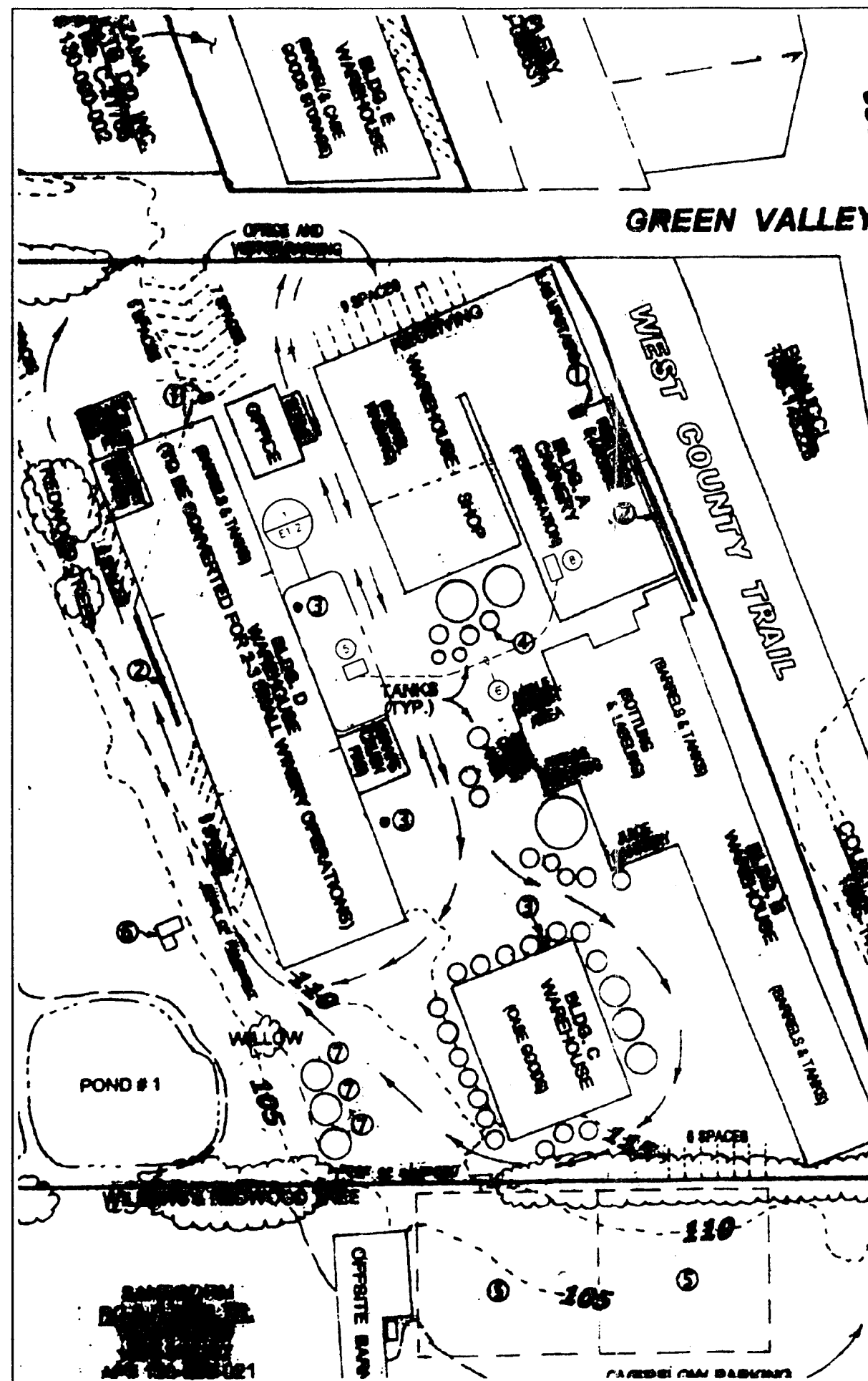
Community Code

130-090-020

APN

PRMD County of Sonoma

SF13378-1031



PARTIAL SITE PLAN
SCALE: 1" = 10'

SHEET NOTES

- EXISTING ELECTRICAL EQUIPMENT
- EXISTING EQUIPMENT
- EXISTING EQUIPMENT
- EXISTING TANK
- NEW ELECTRICAL SERVICE (ABOVE) 30' E12
- NEW FEEDER TO NEW EQUIPMENT SEE SINGLE LINE DIAGRAM FIELD VERIFY TRENCH ROUTE WITH OWNER
- EXISTING EQUIPMENT
- NEW DISTRIBUTION EQUIPMENT FIELD VERIFY LOCATION AND CONNECTIONS TO NEW EQUIPMENT WITH OWNER (E12)

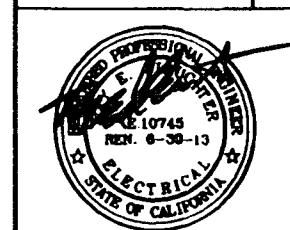
APPROVED & NOTED
BUDS-2347
PERMIT AND RESOURCE MANAGEMENT
APPROVED FOR COPY OF PLANS AND ETC. CARDS TO BE ON JOB SITE.

BUILDER SHALL NOT DEVIATE FROM THE APPROVED PLANS. REQUESTS FOR CHANGES SHALL BE MADE IN WRITING TO THE PERMIT AND RESOURCE MANAGEMENT DEPARTMENT. CHANGES MADE WITHOUT THEIR APPROVAL SHALL BE SUBJECT TO REJECTION OF THE WORK.

APPROVAL OF THESE PLANS IS SUBJECT TO, AND DOES NOT AUTHORIZE DEVIATION FROM, COMPLETE COMPLIANCE WITH CODE REQUIREMENTS, SPECIAL INSPECTIONS WHEN REQUIRED AND FIELD INSPECTION.

PLEASE READ ALL PERTINENT SECTIONS OF APPLICABLE CODES.

REVISIONS	BY
5-21-2013 SITE PERMIT	



Ray E. Slaughter & Associates
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Petaluma, CA 94951
(707) 762-3070
FAX (707) 762-3060

MANZANA PRODUCTS
9140 AND 9141 GREEN VALLEY ROAD
SEBASTOPOL, CALIFORNIA
AP: #130-098-002 AND 020

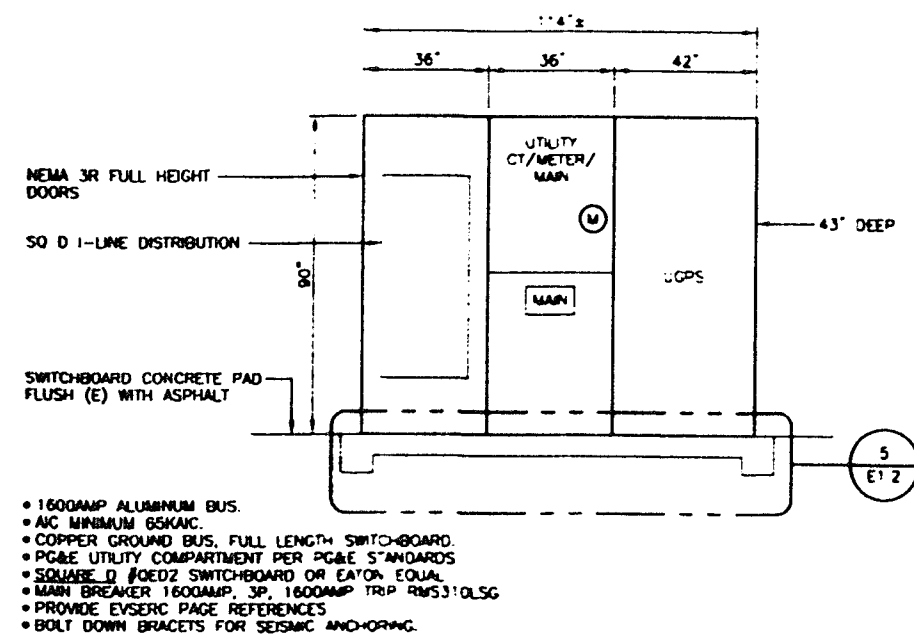
PARTIAL SITE PLAN

Date: 3-12-2013
Scale: AS SHOWN
Drawn: RESA

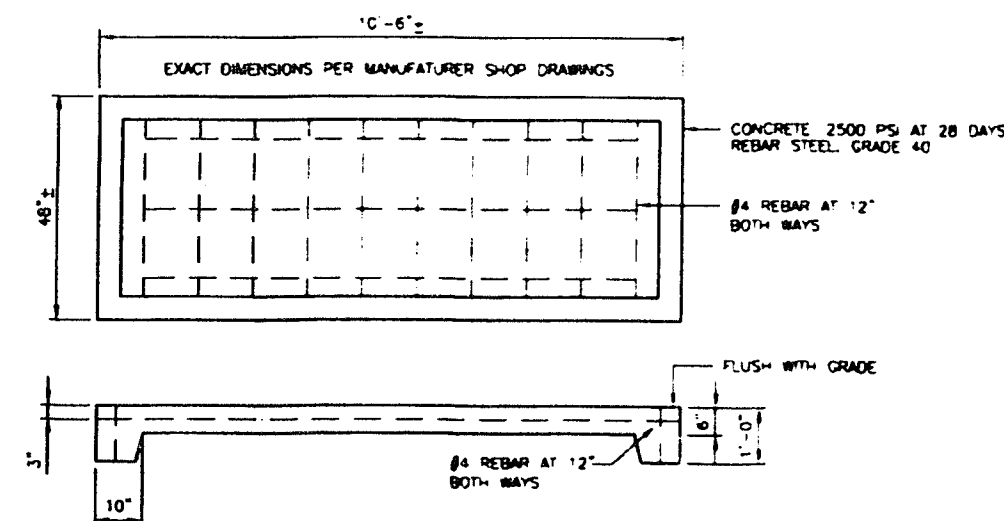
Job: 1317
BUILDING PLAN CHECK
★ APPROVED ★

JUN 07 2013

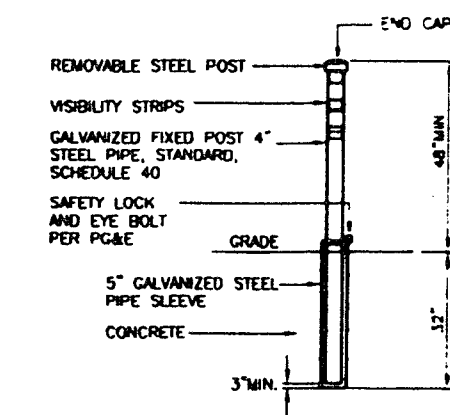
PERMIT AND RESOURCE MANAGEMENT DEPARTMENT



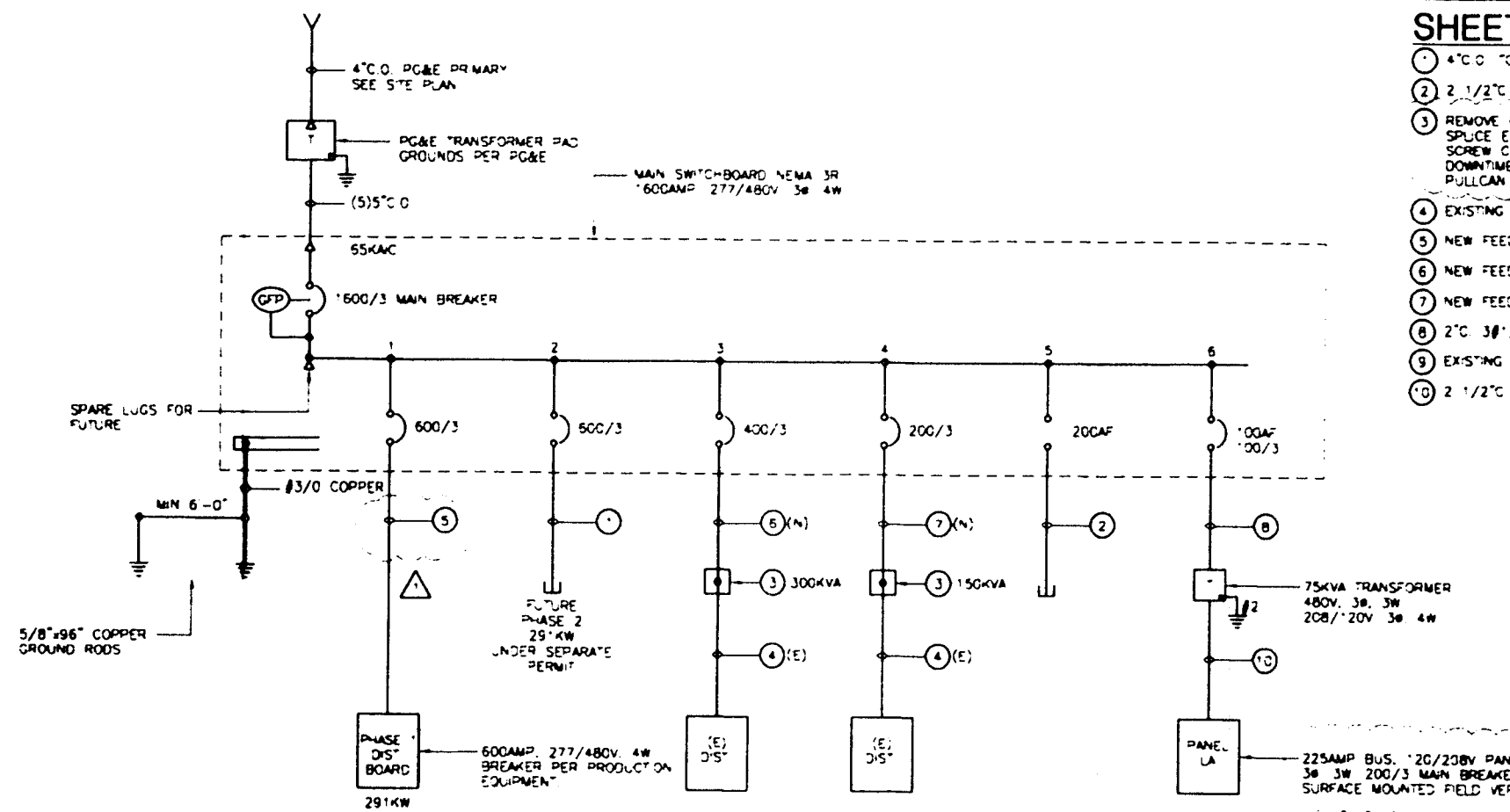
4 SWITCHBOARD ELEVATION
E1.2 SCALE: NOT TO SCALE



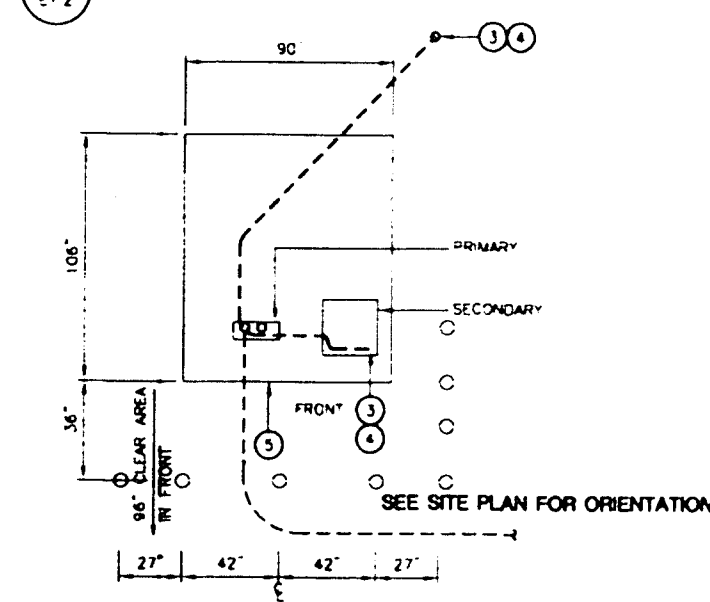
5 SWITCHBOARD PAD
E1.2 SCALE: NOT TO SCALE



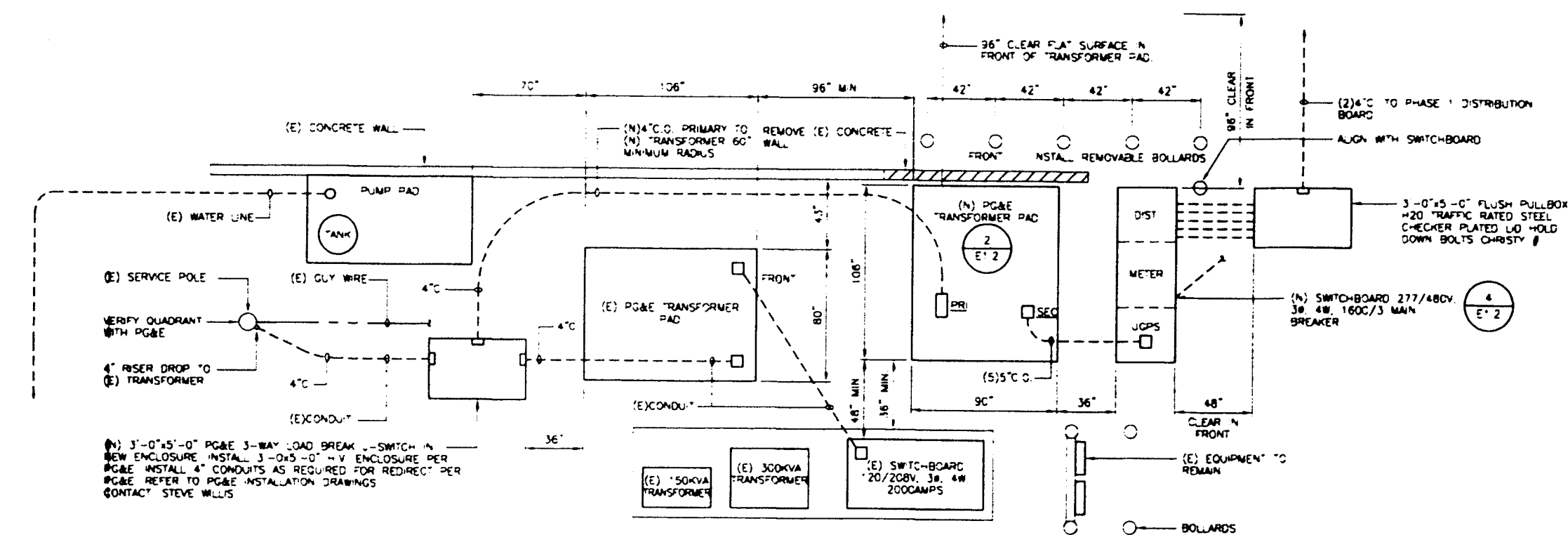
6 PROTECTIVE BOLLARD
E1.2 SCALE: NOT TO SCALE PER PG&E SPECIFICATIONS



3 SINGLE LINE DIAGRAM
E1.2



2 PG&E TRANSFORMER PAD
E1.2 SCALE: 1/4" = 1'-0" PER PG&E SPECIFICATIONS



1 UTILITY AREA
E1.2 SCALE: 1/4" = 1'-0"

SHEET NOTES - SINGLE LINE

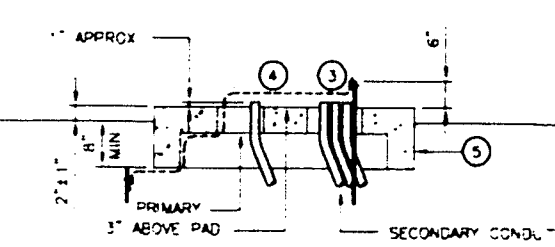
- 4" C.O. TO SITE PULLBOX
- 2 1/2" C.O. TO SITE PULLBOX
- REMOVE EXISTING 208V, 3Ø-480VOLT 3Ø TRANSFORMER INSTALL NEMA 3R PULLCAN AND SPLICE EXISTING 480VOLT FEED CONDUCTORS TO NEW CONDUCTORS 36" x 36" x 1/2" SCREW COVER, NEMA 3R, MILLBURN #363612-SC3R (TYPICAL FOR 2) COORDINATE DOWNTIME WITH OWNER'S REPRESENTATIVE PRIOR TO PURCHASE AND ROUGH-IN OF PULLCAN.
- EXISTING FEEDER TO EQUIPMENT DISTRIBUTION BOARD
- NEW FEEDER (2) 4" C 2 SETS (PARALLEL) 3Ø 400MCM 1Ø/1 C GROUND
- NEW FEEDER 4" C 4Ø 600MCM 1Ø/1 C GROUND
- NEW FEEDER 2 1/2" C 4Ø 3/0 1Ø 6 GROUND
- 2" C 3Ø/1 C 1Ø 6 GROUND
- EXISTING 480VOLT EQUIPMENT RECONFIGURED TO NEW 480VOLT SERVICE
- 2 1/2" C 4Ø 3/0 1Ø 2 GROUND

SERVICE EQUIPMENT LOADS

PHASE ONE	HP	KW
COMPRESSOR	60	64
IR COMPRESSOR	40	43
FILLING PACKAGING	-	79
MECHANICAL 40 TONS	-	70
MISCELLANEOUS MOTORS	45	35
SUB TOTAL		291KW
EXISTING EQUIPMENT TRANSFORMER 300KVA		90
EXISTING EQUIPMENT TRANSFORMER 150KVA		105
SUB TOTAL		586KW
LIGHTING		4.6
GENERAL RECEPTICAL		3.2
MECHANICAL		9.1
ELECTRICAL DUCT HEATER		12.0
PRESNET LOAD		614.9KW
		735AMPS

DETAIL NOTES:

- PRIMARY CONDUIT MUST BE CENTER IN WINDOW SECONDARY CONDUITS SHALL BE GROUDED TOWARDS THE FRONT OF THE PAD
- PRECAST PADS DO NOT HAVE CUT OFF WALLS
- A 6'-0" MINIMUM SEPARATION SHALL BE MAINTAINED BETWEEN GROUND RODS
- THE #2 COPPER GROUND WIRE MUST BE A CONTINUOUS WIRE THAT RUNS FROM THE OUTSIDE GROUND ROD UNDER THE PAD TO THE PRIMARY WINDOW THEN ABOVE THE PAD FROM THE PRIMARY WINDOW THROUGH THE SECONDARY WINDOW TO THE SECONDARY GROUND ROD
- #4 REBAR REINFORCING STEEL AT 12" MAXIMUM EACH WAY
- INSTALL PROTECTIVE BOLLARDS PER PG&E ENGINEERED DRAWINGS AS REQUIRED



REVISIONS

BY	DATE	DESCRIPTION
PG&E COMMENTS 4-11-13		
4-15-13		
4-29-2013 PERMIT SET		
5-21-2013 SITE PERMIT		
6-3-2013 PLAN CHECK COMMENTS		

MANZANA PRODUCTS

9140 AND 9141 GREEN VALLEY ROAD
SEBASTOPOL, CALIFORNIA
AP: #130-098-002 AND 020

Ray E. Hightower & Associates

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3800 Cypress Drive, Suite 1
Petaluma, CA 94954
(707) 765-3870
FAX: (707) 765-3865

SINGLE LINE DIAGRAM AND UTILITY AREA

BUILDING PLAN CHECK

APPROVED

JUN 07 2013

PERMIT AND RESOURCE MANAGEMENT DEPARTMENT

Date: 3-12-2013

Scale: AS SHOWN

Drawn: RESA

Job: 1317

Sheet

E1.2

NOTIFY U.S.A.
BEFORE YOU DIG
CALL 811

APPLICANT INSTRUCTIONS:

COMPLETE ALL TRENCHING.

INSTALL 4" CONDUIT, ASTM F512 OR BETTER.
36" MINIMUM VERTICAL SWEEPS(SC40)
60" MINIMUM HORIZONTAL SWEEPS(SCH 40)

INSTALL 5" CONDUIT, ASTM F512 OR BETTER.
36" MINIMUM VERTICAL SWEEPS(SC40)
60" MINIMUM HORIZONTAL SWEEPS(SCH 40)

INSTALL 3' X 5' H.V. ENCLOSURE WITH GROUNDS, PG&E CODE: 025601

INSTALL 106" X 90" TRANSFORMER PAD WITH GROUNDS, PG&E CODE: 040292

A PULLING TAPE SHALL BE INSTALLED IN ALL CONDUITS, PG&E CODE# 560154 OR EQUIVALENT.

NOTE:

ALL CONDUIT AND SUBSTRUCTURES ARE TO BE INSTALLED PER PG&E ELECTRIC & GAS SERVICE REQUIREMENTS GREENBOOK.

APPLICANT LEGEND

5" 5" CONDUIT, ASTM F512 OR BETTER.

4" 4" CONDUIT, ASTM F512 OR BETTER.

5 NEW 3' X 5' ENCLOSURE LOCATION.

NEW TRANSFORMER LOCATION.

COORDINATE #
217502428427
PRIMARY VOLTAGE
12KV
SECONDARY VOLTAGE
277/480V
TX SIZE - 150KVA
KVA 1Ø -
KVA 3Ø - 105.6
% L.F. - 50%
TYPE TX - PM IIE
LOADING DIST - SI

APPROXIMATELY 15' OPEN PIT HERE TO FACILITATE REDIRECT OF CABLES.

PULL 24' X 1000QPX IN ONE 5" CONDUIT, (4-5" SPARES, 5 DUCTS TOTAL). 10' CUSTOMER DUG TRENCH & CONDUIT. INSTALL CT'S & METER.

J- LB
INSTALL 3-WAY LOADBREAK J-SWITCH. REDIRECT 3-2A AXL INTO NEW ENCLOSURE. APPLICANT INSTALLED 3' X 5' H.V. ENCLOSURE. INSTALL 4" DUCT AS REQUIRED FOR REDIRECT.

ENCLOSURE DETAIL, LOC. 2

PULL 67' X 2-1/0EPRC IN 4" CONDUIT. 36' CUSTOMER DUG TRENCH.

TRANSFORMER PAD DETAIL LOC. 4

T- LB
150KVA 277/480V IIE PADMOUNTED TRANSFORMER. CUSTOMER INSTALLED TRANSFORMER PAD,

PLAT MAP:
112412
THOMAS BROS.-
382G5
KEITH LUA
707-579-6396
PAGER:
707-849-0439
CIRCUIT:
MIRABEL 1101
SSD: FUSE 12913

COM. 277/480V SPECIAL FACILITY INSTALL

9141 GREEN VALLEY RD, SEBASTOPOL

CONTACT MARK FITZGERALD- 707-823-5313

EST: KEITH LUA

ADE: ROY OCHOA

SUPV: JIM FULKERSON

REP: STEVE WILLIS

PLNR:

SCALE: 1"=60'

DATE: 05/10/13

PACIFIC GAS AND ELECTRIC COMPANY

PM: 30990144

OTHER: KWL4@PGE.COM

SHT: 10F1

SHEETS

REV.

BUILDING PERMIT

★ APPROVED ★

JUN 07 2013

PERMIT AND RESOURCE
MANAGEMENT DEPARTMENT