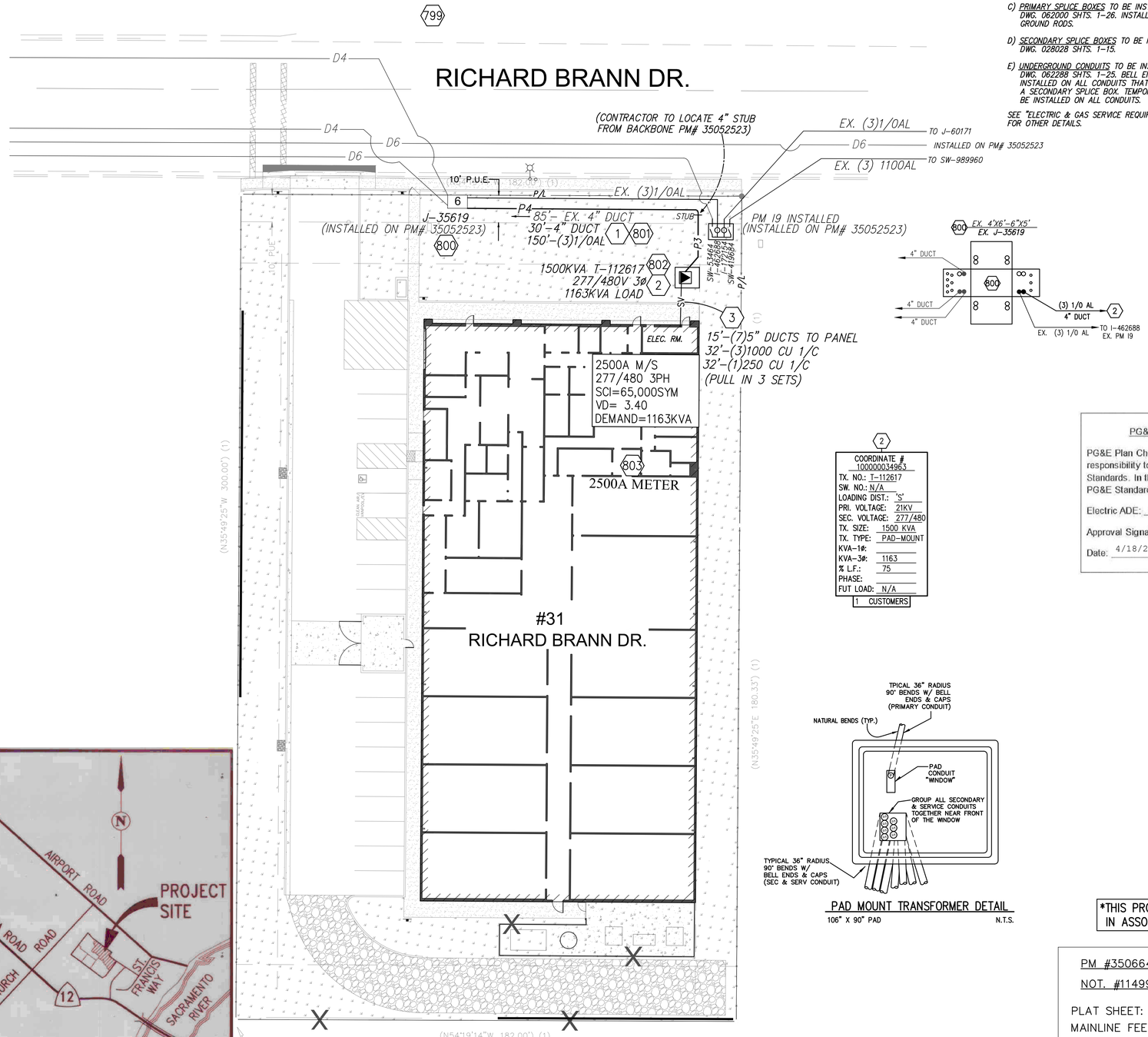

ELEC. NOTES:

A) TRANSFORMER PAD(S) TO BE INSTALLED PER P.G.& E. DRW. 064309 SHTS. 1-6 (SINGLE PHASE) & DRW. 045292 SHTS. 1-8 (THREE PHASE). INSTALLATION TO INCLUDE GROUNDS. INSTALL PAD ON A FLAT AND LEVEL SURFACE. MAINTAIN 8' IN FRONT OF PAD LEVEL AND CLEAR OF OBSTRUCTUIONS. MAINTAIN OTHER CLEARANCES AS REQUIRED PER P.G.& E. DWG. 051122 SHTS. 1-9.

B) BARRIER POSTS TO BE INSTALLED PER P.G.& E. DWG. 051122 SHTS. 10-28.

C) PRIMARY SPLICE BOXES TO BE INSTALLED PER P.G.& E. DWG. 062000 SHTS. 1-26. INSTALLATION TO INCLUDE GROUND RODS.

D) SECONDARY SPLICE BOXES TO BE INSTALLED PER P.G.& E. DWG. 028028 SHTS. 1-15.

E) UNDERGROUND CONDUITS TO BE INSTALLED PER P.G.& E. DWG. 062288 SHTS. 1-25. BELL ENDS ARE TO BE INSTALLED ON ALL CONDUITS THAT ARE TERMINATED IN A SECONDARY SPLICE BOX. TEMPORARY END CAPS TO BE INSTALLED ON ALL CONDUITS.

SEE "ELECTRIC & GAS SERVICE REQUIREMENTS" (GREEN BOOK) FOR OTHER DETAILS.

NOTES:

1) THIS IS AN APPLICANT DESIGN AND INSTALL PROJECT. APPLICANT SHALL TRENCH, BACKFILL & INSTALL ALL SUBSTRUCTURES INCLUDING ELECTRIC DISTRIBUTION & SERVICE FACILITIES. APPLICANT CONTRACTOR WILL PERFORM ANY AND ALL REQUIRED TRENCH, EXCAVATION AND BACKFILL, INCLUDING THOSE ITEMS REQUIRED TO MAKE READY FOR P.G.& E. "TIE-INS". (A.I.F.) APPLICANT INSTALLED FACILITY TAGS ARE REQUIRED AT ALL SPLICE AND CONNECTION POINTS. THESE TAGS SHALL BE SIGNED AND DATED ON THE DATE OF INSTALLATION.
2) P.G.& E. SHALL INSPECT ALL WORK PERFORMED BY APPLICANT AND PERFORM ALL HOT TIE-INS TO EXISTING FACILITIES AS REQUIRED.
3) RETAINING WALLS DETERMINED TO BE NECESSARY BY P.G.& E. INSPECTOR ARE THE APPLICANT'S RESPONSIBILITY.
4) ALL PRIMARY CONDUITS SHALL HAVE A MINIMUM 30" COVER (36" IN THE STREET).
5) ALL PRIMARY CONDUITS SHALL ENTER ENCLOSURES PERPENDICULAR TO END WALLS. (UNLESS NOTED OTHERWISE).
6) ALL HORIZONTAL 4", 5" & 6" PRIMARY CONDUIT BENDS SHALL HAVE A MINIMUM 5 FT. RADIUS. ALL HORIZONTAL 2" & 3" PRIMARY CONDUIT BENDS SHALL HAVE A MINIMUM 3 FT. RADIUS.
7) ALL SECONDARY & SERVICE CONDUITS SHALL ENTER SECONDARY BOXES &/OR PEDESTALS FROM THE BOTTOM UTILIZING 90° BENDS & 24" RADIUS.
8) UTILIZE NATURAL BENDS WHENEVER POSSIBLE.
9) DO NOT EXCEED 300 DEGREES IN CONDUIT BENDS IN ANY SINGLE RUN
10) P.G.& E. SHALL DO ALL WORK AT 800 SERIES LOCATIONS.
11) APPLICANT SHALL OBTAIN ALL NECESSARY PERMITS.
12) APPLICANT SHALL GRANT ALL NECESSARY EASEMENTS TO P.G.& E. AT NO ADDITIONAL COST.
13) CALL U.S.A. AT 1-800-227-2600 AT LEAST 48 HOURS PRIOR TO DIGGING.
14) BEFORE BEGINNING WORK, PLEASE CALL P.G.& E. UNDERGROUND INSPECTOR 24 HOURS IN ADVANCE. "WORK NOT PROPERLY INSPECTED WILL BE REJECTED".

2

COORDINATE # 100000034963	
TX. NO.:	T-112617
SW. NO.:	N/A
LOADING DIST.:	'S'
PRI. VOLTAGE:	21KV
SEC. VOLTAGE:	277/480
TX. SIZE:	1500 KVA
TX. TYPE:	PAD-MOUNT
KVA-1ø:	
KVA-3ø:	1163
% L.F.:	75
PHASE:	
FUT LOAD:	N/A

1 CUSTOMERS

PG&E APPLICANT DESIGN APPROVAL

PG&E Plan Check does not release the Applicant from responsibility to construct the facilities according to PG&E Standards. In the event of a conflict during construction, PG&E Standards take precedence.

Electric ADE: Joah Wilson Desk Phone: 559-347-5271

Approval Signature:

Date: 4/18/2019

Underground Service Alert

Call: TOLL FREE 811

TWO WORKING DAYS BEFORE YOU DIG

PG&E GAS CONFLICTS IDENTIFIED FOR THIS PROJECT GAS PLATS: SOL2851 D-4
PG&E GAS FACILITIES IN CONFLICT W/ EXCAVATION AT LOC(S): N/A
PG&E GAS FACILITIES IN PROXIMITY W/ EXCAVATION AT LOC(S): 1

VICINITY MAP
NOT TO SCALE

PAD MOUNT TRANSFORMER DETAIL
106" X 90" PAD N.T.S.

LEGEND

INSTALL	DESCRIPTION
P3	PRIMARY CONDUCTOR/CABLE - (3) 1/0 AL EPR-CONC-ENCAP PE IN 4" DUCT
P4	PRIMARY CONDUCTOR/CABLE - (3) 1/0 AL EPR-CONC-ENCAP PE IN EX. 4" DUCT
SV	SERVICE CONDUCTOR/CABLE IN DUCT (SIZE AS SHOWN)
D4	EX. EMPTY 4" DUCT
D6	EX. EMPTY 6" DUCT

EXISTING	DESCRIPTION
	ELECTRIC CONDUCTOR/CABLE - SIZE AS SHOWN

INSTALL	EXISTING	DESCRIPTION
▲		PAD-MOUNT TRANSFORMER (SIZE AS SHOWN)
	6	4'x6'-6"x5' PRIMARY ENCLOSURE
		PM 19

*THIS PROJECT TO BE CONSTRUCTED IN ASSOCIATION w/ PM# 35052523

PM #35066439
NOT. #114993910

PLAT SHEET: T-19-22 21KV
MAINLINE FEEDER: GRAND ISLAND 2226
PRIMARY VOLTAGE AREA: 1
INSULATION DISTRICT: B
NON-CORROSION AREA
CLIMATE ZONE: S (SI)

20 10 0 20 40 60
SCALE IN FEET

CABLE PULLING DATA

NOTE: USE POLYESTER PULLING TAPE (CODE NO. 56-0154) TO INITIATE CABLE PULLING

CABLE RUN LOC.	CALCULATED PULLING TENSION	PREFERRED DIRECTION OF PULL	MAXIMUM ALLOWABLE PULLING TENSION-GRIP	MAXIMUM ALLOWABLE PULLING TENSION-EYE	ACTUAL PULLING TENSION	ACTUAL DIRECTION OF PULL
801	122 lbs.	LOC. 2 - LOC. 800	1688 lbs.	1688 lbs.	lbs.	LOC. - LOC.

BM, SW Rop
er Elev=38.21

NO.	REVISIONS	BY	DATE	APPROVAL
1	PG&E REVISIONS	DL	3/22/19	SA

SUNSHINE DESIGN
AN IUCG CO.
UTILITY DESIGN ENGINEERS AND CONSULTANTS
324 CAMPUS LN., STE B
FAIRFIELD, CA 94534
(707) 429-3888
FAX (707) 429-3454

REGISTERED PROFESSIONAL ENGINEER
JACK A. VARGAS
No. C51684
Exp. 12-31-19
CIVIL
STATE OF CALIFORNIA

ELECTRIC PLAN
CAL VISTA
31 RICHARD BRANN DRIVE
RIO VISTA CALIFORNIA

Underground Service Alert
CALL BEFORE YOU DIG USA 811

DESIGNED: DL
CHECKED: SA
SCALE: 1"=20'
DATE: 3/22/19
JOB NO. 930-18-D
SHEET NO. E2
OF 2