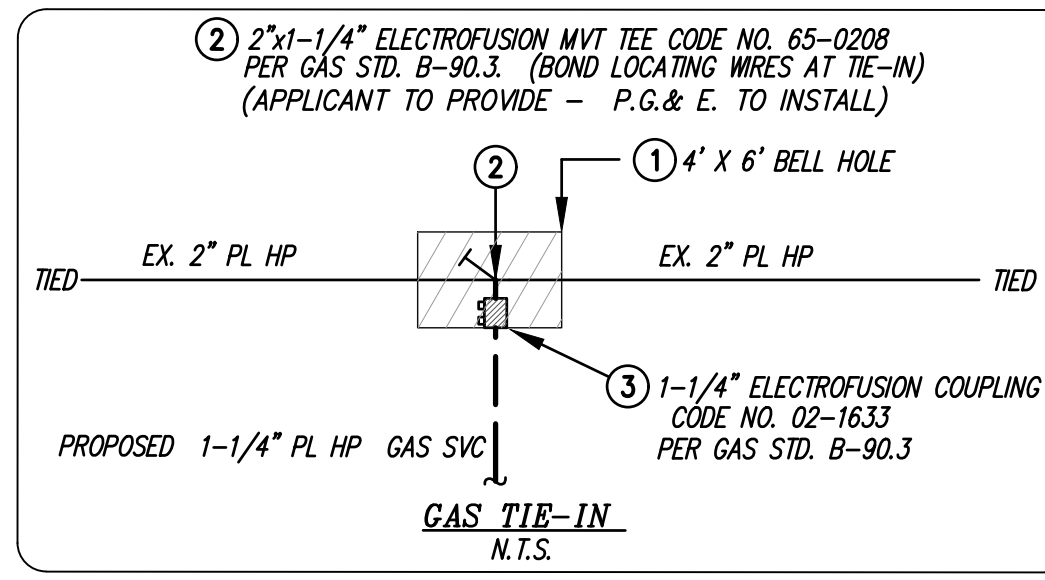
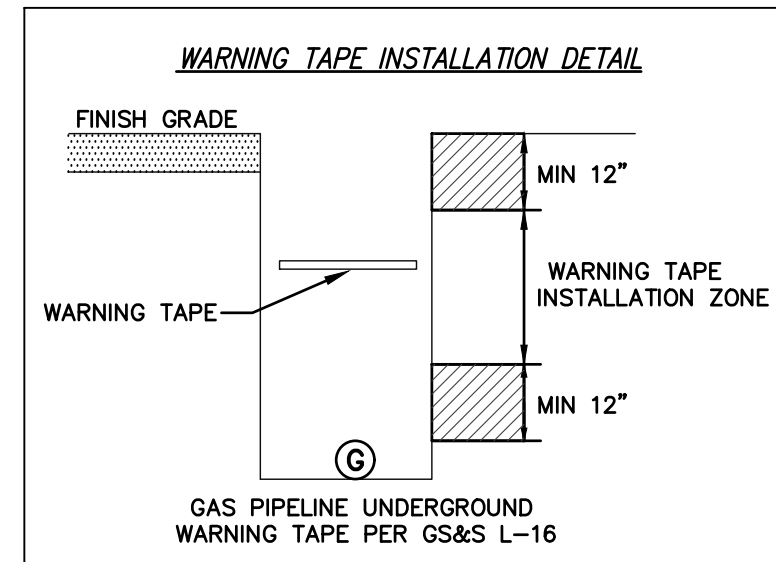


PRINT TEST SUPERVISOR NAME		PHONE NUMBER	DATE	LAN ID			
COMPANY NAME (IF THIRD PARTY)							
MAKE, RANGE & SERIAL NO. OF PRESSURE GAUGE			DATE LAST CALIBRATED				
SIZE (IN.)	WT (IN.) / SDR	LENGTH (FT.)	DESCRIPTION (PIPE TYPE, MANUFACTURER, DATE & GRADE)	DURATION	START TIME	END TIME	TEST PRESSURE (PSIG)*

\*ROUND TO THE NEAREST TENTH OF PSIG



TIE-IN DETAIL A

**NOTE**  
THE CONTRACTOR TO VERIFY RIGHT OF WAY, PUBLIC UTILITY EASEMENT ACQUISITION PRIOR TO CONSTRUCTION AT NO COST TO PG&E.

**NOTE**  
THE CONTRACTOR SHALL OBTAIN ALL APPLICABLE PERMITS PRIOR TO COMMENCING WORK.

**NOTE**  
GAS RISER LOCATION TO BE FIELD VERIFIED WITH SITE SUPERINTENDENT & PG&E INSPECTOR.

**UNDERGROUND SERVICE ALERT**  
NOTIFY U.S.A. 48 HRS. PRIOR TO TRENCHING @ 1-800-227-2600  
DATE CALLED: \_\_\_\_\_  
TICKET #: \_\_\_\_\_  
BY: \_\_\_\_\_

**CATHODIC PROTECTION - FOREMAN NOTE:**  
CONTACT CORROSION MECHANIC 24 HOURS PRIOR TO JOB COMPLETION AT THIS PHONE NUMBER: 916-386-5215  
SIGNED: \_\_\_\_\_ DATE: \_\_\_\_\_

**ATTENTION FOREMAN:**  
PRIOR TO STARTING JOB, CONSULT AREA CORROSION MECHANIC FOR LOCATING WIRE INSTALLATION AND CATHODIC PROTECTION REQUIREMENTS.  
NAME: LACEY RICHARDSON  
NUMBER: 916-386-5215

**DESIGN CHANGE COMPONENT:**  
ANY CHANGES IN THE GAS DESIGN MUST BE APPROVED BY THE GAS ADE,  
NAME: RON ERLWEIN  
NUMBER: 925-270-2706

**CONTRACTOR CONSTRUCTION REFERENCES**

- REFER TO GAS STANDARDS A-04, A-90, A-91, A-93, A-93.1, A-93.3 AND B-90, B-90.1, B-90.2, B-90.3 & B-91, B91.1 FOR TYPICAL DIRECT BURIAL PLASTIC GAS MAIN AND SERVICE INSTALLATION AND SERVICE RISER INSTALLATION.
- REFER TO GAS STANDARDS A-90.2 & 0-10 & 0-12 & 0-13.1 & TD-4181S & TD-4080S FOR TYPICAL ANODE AND LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC AND STEEL GAS MAIN AND SERVICES, 0-10 SPECIFIC TO ETS REQUIREMENTS
- REFER TO GAS STANDARD A-34 FOR TEST CRITERIA ON GAS MAIN AND SERVICES, AND TO GAS STANDARD A-04 FOR 10' CLEARANCE REQUIREMENT FOR GAS MAINS.
- PG&E IS TO PERFORM ALL HOT TIE-INS AND PURGING OF GAS PIPING PER GAS STANDARD TD-A-388-001-002 AND PERFORM FUSION PER STD D-34 & WELDING PER STD A-52.
- THE GAS SERVICE BRANCH FACILITIES WILL BE INSTALLED PER GAS STANDARD A-42. FOOTAGES ARE PER TYPICAL GAS STUB/BRANCH INSTALLATION DETAIL UNLESS OTHERWISE NOTED.
- CONTRACTOR IS RESPONSIBLE FOR CROSSING EXISTING WATER, SEWER AND STORM DRAIN LINES, EITHER UNDER OR OVER, AS REQUIRED TO MEET PG&E COVER AND CLEARANCE REQUIREMENTS. REFER TO STANDARD PRACTICE 463.4 & U.O. 55453.
- THE LOCATION OF ALL EXISTING OR NEWLY INSTALLED WATER, SEWER & STORM DRAIN OR OTHER LINES, SHALL BE DETERMINED BY THE CONTRACTOR. THE CONTRACTOR SHALL NOT RELY ON PG&E TO LOCATE FACILITIES. PG&E WILL LOCATE THEIR FACILITIES WITH PROPER USA NOTIFICATION. CALL USA AT (800) 227-2600.
- THE CONTRACTOR WILL BE REQUIRED TO PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
- IF ANY LOCAL CITY, COUNTY OR STATE REQUIREMENT CAUSES AN INCREASE IN THE STANDARD TRENCH WIDTH OR DEPTH, SEE NON-STANDARD TRENCH SECTION ON SHEET 2.
- THE CONTRACTOR WILL BE REQUIRED TO REMOVE AND REPLACE TRENCH SPILL WITH SELECT BACKFILL AS REQUIRED BY PG&E SPEC. 90 AND/OR ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS. QUALIFICATION MATERIAL FOR USE AS BACKFILL SHALL BE THE RESPONSIBILITY OF THE PG&E INSPECTOR & U.O. STANDARD 5453.

**JOB NOTES:**

- PG&E TO DO ALL HOT TIE-IN WORK.
- PG&E TO PERFORM TRENCH INSPECTION. DEVELOPER TO CONFORM TO PG&E INSPECTOR REQUIREMENTS.
- DEVELOPER TO DO ALL TRENCH AND BACKFILL PER PG&E STANDARD U.O. 55453.
- SAND IMPORT REQUIRED. 4"-SAND BED, SHADING, AND COVERAGE REQUIRED FOR ALL TRENCH SECTIONS. SEE TRENCH PROFILE DRAWING DETAILS PER U.O. 55453.
- JOINT TRENCH BY APPLICANT - GAS FACILITIES TO BE INSTALLED BY APPLICANT. SERVICE COMPLETIONS - JOINT TRENCH BY APPLICANT - GAS FACILITIES TO BE INSTALLED BY CONTRACTOR.
- TRENCHING AGENT TO MAINTAIN A MINIMUM 5' HORIZONTAL SEPARATION BETWEEN PG&E FACILITIES AND ALL WET FACILITIES.
- TRENCHING AGENT TO PROVIDE A BELL HOLE AT ALL PG&E TIE-IN LOCATIONS MINIMUM 4'x6'x12" BELOW EXISTING GAS FACILITIES.
- APPLICANT SHALL ACQUIRE ALL NECESSARY PERMITS AND GRANT ALL NECESSARY P.U.E.'S AT NO COST TO PG&E.

**LEGEND**

- EXISTING MAIN (SIZE AS SHOWN)
- PROPOSED HP GAS SERVICE
- EXCESS FLOW VALVE
- 4'x6' GAS TIE-IN HOLE 12" BELOW EXIST. FACILITIES
- GAS TEE
- PROPOSED GAS METER LOCATION

P.G.& E. SKETCH BY DEVELOPER

PM #35066903

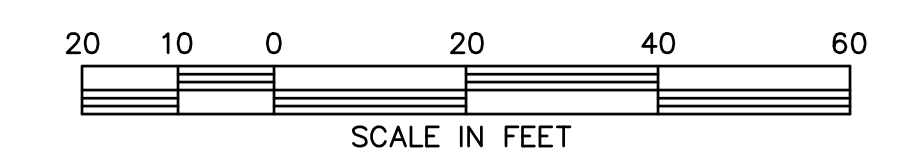
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**TOTAL RECAP**

INSTALL 41 LF OF 1-1/4" PLASTIC PE 2406 GAS SVC (JT)  
INSTALL 1 1-1/4" EXCESS FLOW VALVE  
INSTALL #10 LOCATING WIRE AND BOND WIRE AT TIE-INS  
AT LATER DATE:  
INSTALL 1 COMMERCIAL GAS METER & REG BY PG&E

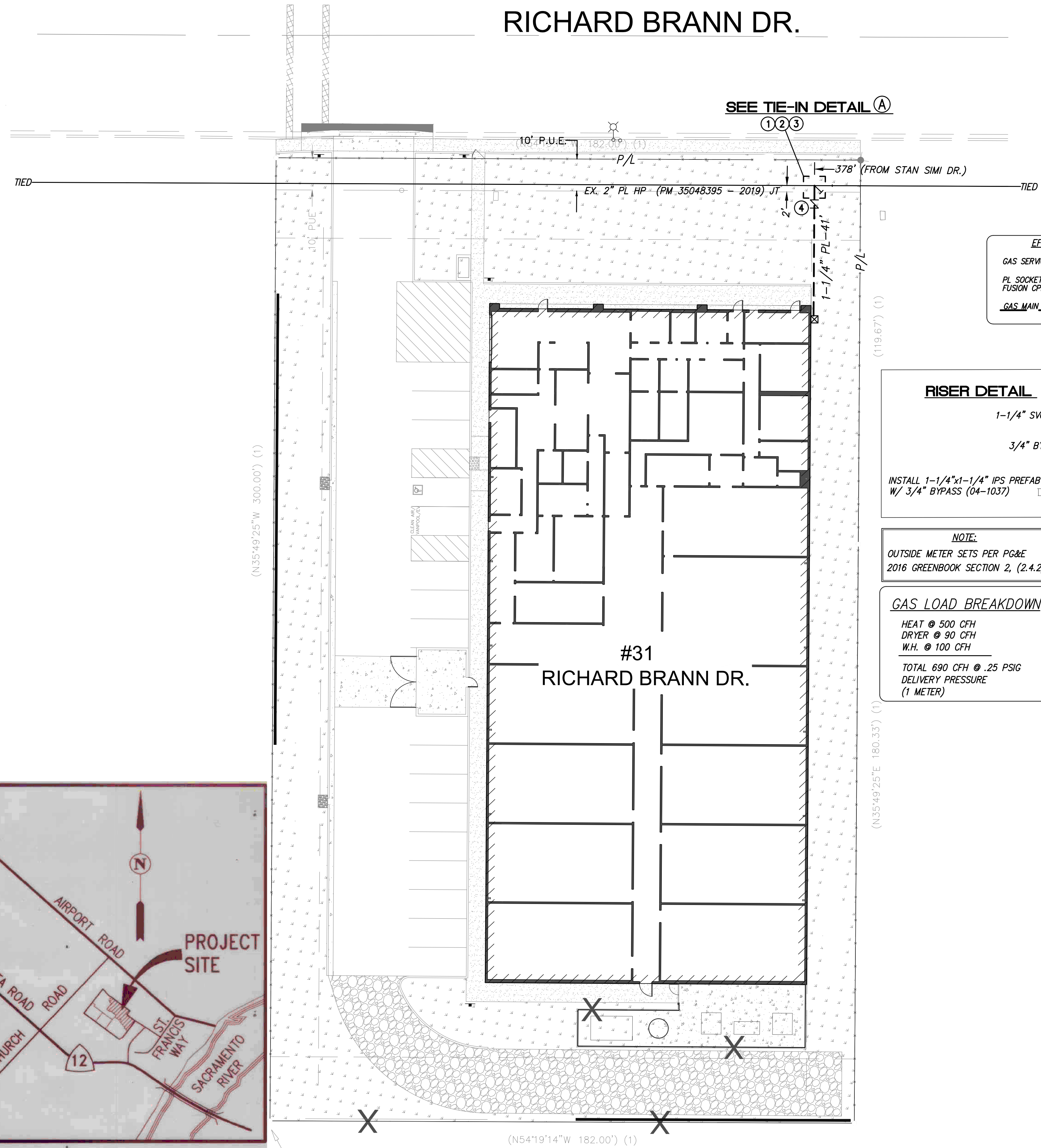
**PG&E APPLICANT DESIGN APPROVAL**  
PG&E Plan Check does not release the Applicant from responsibility to construct the facilities according to PG&E Standards. In the event of a conflict during construction, PG&E Standards take precedence.  
Gas ADE: Ron Ertwein Phone: (925) 270-2706  
Approval Signature: \_\_\_\_\_  
Date: 4/22/19

WALL MAP: SOL2851  
PLAT MAP: D4  
CPA AREA: 06-1045  
MAOP: 46 PSI  
NOP: 38 PSI  
TBA: P-12  
EMERGENCY ZONE: 06-48-B3

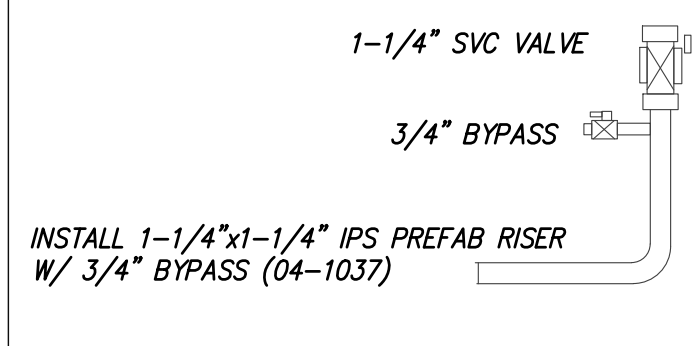


**RICHARD BRANN DR.**

SEE TIE-IN DETAIL A



**RISER DETAIL**

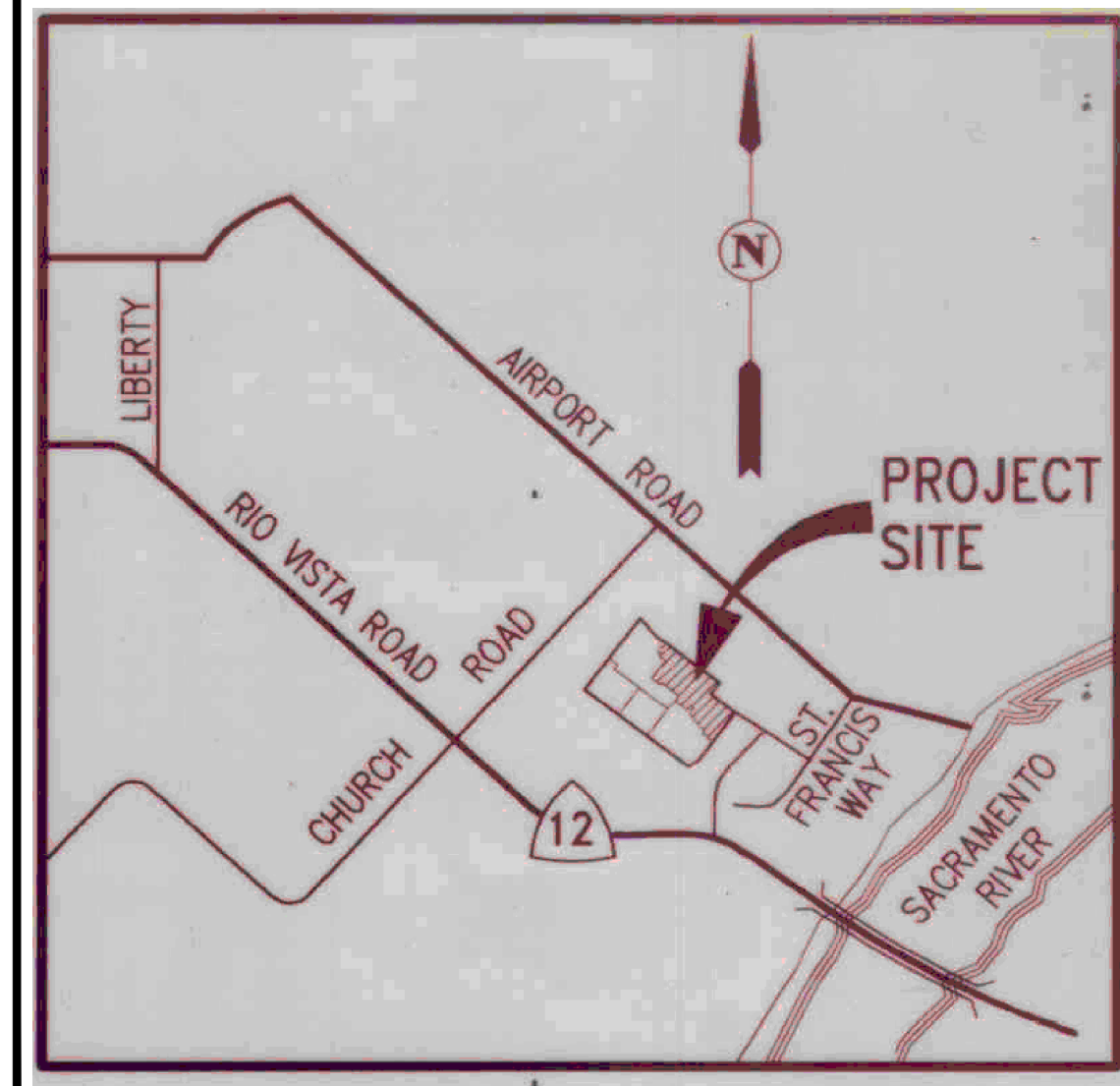


**NOTE:**  
OUTSIDE METER SETS PER PG&E 2016 GREENBOOK SECTION 2, (2.4.2)

**GAS LOAD BREAKDOWN**  
HEAT @ 500 CFH  
DRYER @ 90 CFH  
W.H. @ 100 CFH  
TOTAL 690 CFH @ .25 PSIG DELIVERY PRESSURE (1 METER)

**MATERIAL LEGEND**

- 4'x6' TIE-IN HOLE, DOWN TO 12" BELOW MAIN FOR P.G.& E. TIE-IN
- INSTALL 2" x 1-1/4" PL MVT TEE (65-0208)
- INSTALL 1-1/4" PL ELECTROFUSION CPLG (02-1633)
- INSTALL 1-1/4" EXCESS FLOW VALVE SERIES 2600 (02-2923)



**VICINITY MAP**  
NOT TO SCALE

APPROVAL	BY	DATE	DL	2/26/19	SA
	REVISIONS	PG&E	REVISIONS		
NO.	1				

**SUNSHINE DESIGN**  
AN IUCC CO  
UTILITY DESIGN ENGINEERS  
AND CONSULTANTS  
925 CAMPBELL ST., STE. B  
FAIRFIELD, CA 94534  
(925) 428-5868  
(925) 428-5854

**REGISTERED PROFESSIONAL ENGINEER**  
CALIFORNIA  
No. CS4684  
Exp. 12-31-19  
CIVIL

**GAS PLAN**  
CAL VISTA  
31 RICHARD BRANN DRIVE  
RIO VISTA  
CALIFORNIA

DESIGNED: DL  
CHECKED: SA  
SCALE: 1"=20'  
DATE: 2/26/19  
JOB NO. 930-18-D  
SHEET NO. G1  
OF 1