

.CENTRAL VALLEY NATURAL GAS STORAGE PROJECT	VARIANCE REQUEST FORM	
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Date Required:	July 25, 2011	Variance Request No.:	No. 3 – PG&E Power Line
Date Submitted:	July 12, 2011	Location:	West side of McAusland Road, just north of Southam and McAusland Road intersection
Property Owner(s):	Torres Glassgow	Parcel No.:	APN 912-110-048 (Torres) APN 012-110-095 (Glassgow)
Current Land Use:	Road shoulder	Sensitive Resources:	None

Variance from: To provide power to the compressor station, CVGS originally planned to connect to the existing 12-kilovolt (kV) PG&E overhead line along Highway 45 via Dodge Road. Instead, PG&E has proposed a connection to their existing 12kV overhead line along Southam Road starting with their existing pole at the north-east corner of the McAusland and Southam Road intersection. The new overhead line would route northwards along the west side of McAusland to the proposed electric meter location.

The attached diagram shows the proposed location of the four (4) new poles that would be installed along the west side of McAusland Road. The proposed Southam Road connection (described in this variance request) requires four less poles than the Dodge Road connection (described in the PEA and approved as part of the MND).

Description and Justification for Variance: The Southam Road 12-kV line allows better utilization of existing overhead lines thus reducing the quantity of new cable, pole additions, and associated work zones. Additional details are provided below.

Pole Specifications. The wooden poles will be 45-feet-tall and will be the same height as other poles in the area. The poles will be blend into the character of the area and no aesthetic impacts are anticipated.

Construction Technique. The four poles will be installed using an auger to dig an approximately 18-inch wide, 4- to 6-foot deep hole. After the pole is installed, the hole will be backfilled with soil and aggregate base material. The electrical wire will then be strung along the top of the poles. The total disturbance area required to install the poles is a 5-foot by 5-foot area.

Groundwater/Hydrology. There is a potential for groundwater to be encountered during excavation of the hole. However, no dewatering of the hole is anticipated.

Appropriate measures outlined in the project SWPPP will be implemented during pole installation.

Traffic Control. The traffic plan that was prepared for the project and approved by Colusa County covers construction activities along McAusland Road. This road is currently being used to access the compressor station, remote well pad, and observation well construction areas. The measures outlined in the traffic plan will be implemented during installation of the PG&E poles. No road closure is proposed during installation of the poles.

Cultural Resources. The poles are located within the cultural resources survey area (conducted for the PEA and Section 106 report). No cultural resources were found during previous surveys and therefore, no cultural resource monitoring is required.

Biological Resources. The poles will be installed within a graded, compacted road shoulder. No biological resources occur within this work area. A biological survey was conducted on June 28, 2011 and confirmed that no sensitive biological resources occur within the road shoulder area. The results of the biological survey are contained within a technical memorandum provided with this variance request form. Additional preconstruction surveys will be conducted prior to the installation of the poles.

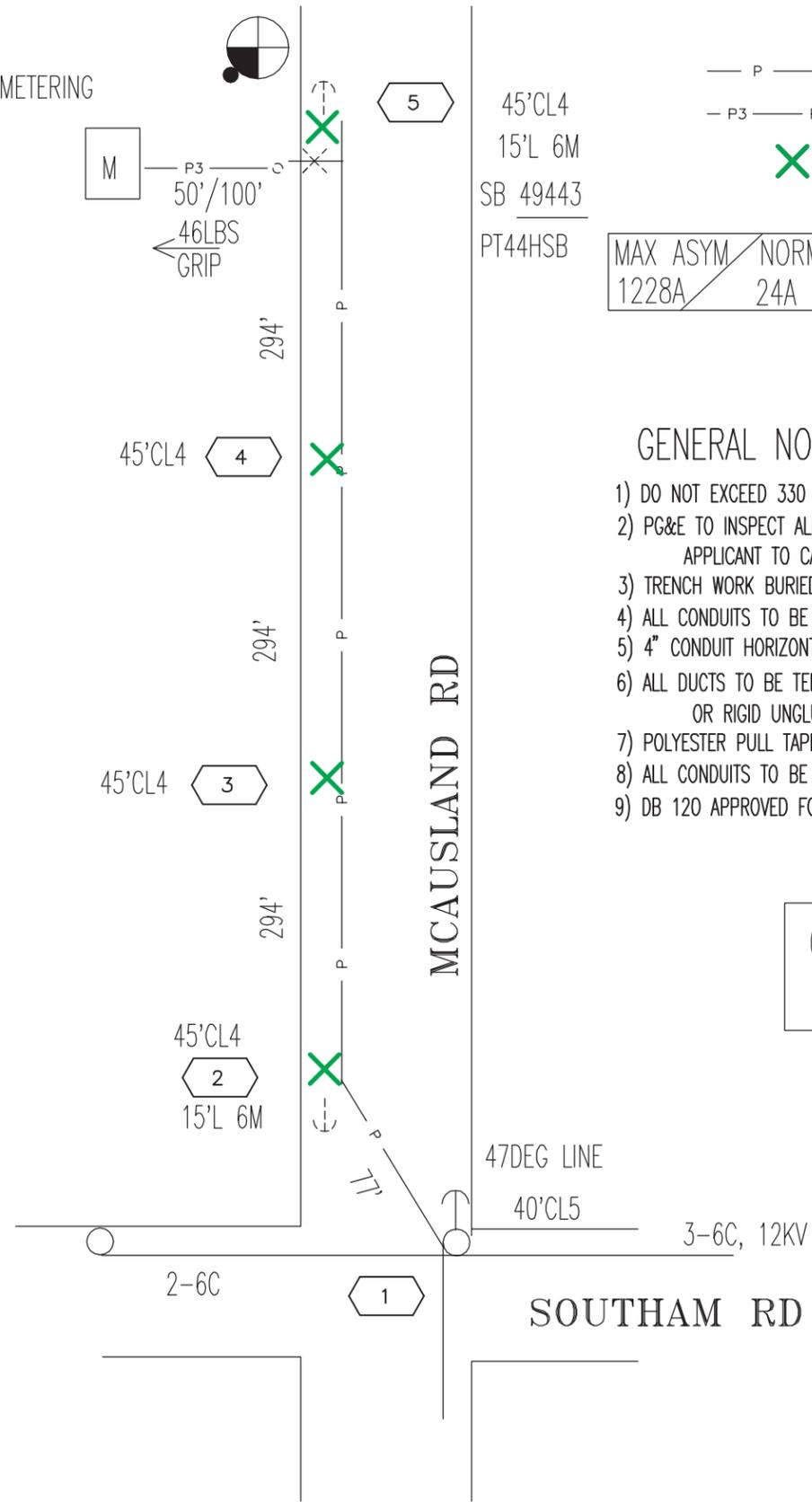
Site Conditions/Comments: The proposed pole locations occur in a graded, unvegetated road shoulder.

Approvals	Date	Name (print)	Signature	Comments
CPUC Compliance Mgr				
Central Valley Construction Manager	7/12/2011	Dirk de Bruyn		
Central Valley Environmental Manager	7/12/11	Susan Bushnell Bergfalk		None

Prepared by: Susan Bushnell Bergfalk, Environmental Manager, ICF International **Date:** July 12, 2011

12KV PRIMARY METERING
500KVA DEM

XXXXPT'S
XXX CT'S



MCAUSLAND RD

SOUTHAM RD

MAX ASYM	NORM
1228A	24A

LEGEND

- P — 3-4AR, 12KV OVERHEAD
- P3 - P3 - 3-1/0A, ENCAP PE, 25KV CABLE IN 1-4" DUCT
- X New Poles

APPLICANT TO INSTALL TRENCH, AND DUCT
PG&E TO INSTALL POLE WORK, AND UG CABLE

GENERAL NOTES:

- 1) DO NOT EXCEED 330 DEGREES IN ANY PRIMARY OR SECONDARY CONDUIT RUN.
- 2) PG&E TO INSPECT ALL WORK PERFORMED BY APPLICANT.
APPLICANT TO CALL PG&E INSPECTOR 48 HRS IN ADVANCE
- 3) TRENCH WORK BURIED WITHOUT BEING APPROVED BY INSPECTOR WILL BE RE-OPENED BY APPLICANT.
- 4) ALL CONDUITS TO BE PROVEN FREE BY MEANS OF MANDREL WITH PG&E INSPECTOR PRESENT.
- 5) 4" CONDUIT HORIZONTAL BENDS TO BE 5' RADIUS MIN AND 3' RADIUS MIN VERTICAL BENDS
- 6) ALL DUCTS TO BE TEMPORARILY CAPPED BY APPLICANT WITH TEMP CAPS
OR RIGID UNGLUED TO PREVENT DEBRIS FROM ENTERING DUCT.
- 7) POLYESTER PULL TAPE (CODE: 560154) SHALL BE USED FOR ALL PRIMARY AND SECONDARY DUCTS.
- 8) ALL CONDUITS TO BE TERMINATED WITH BELLED ENDS.
- 9) DB 120 APPROVED FOR UNDERGROUND INSTALLATIONS

CALL USA BEFORE DIGGING
UG FACILITIES IN AREA

MAX ASYM	NORM
1982A	34A

.5 MILES OMITTED

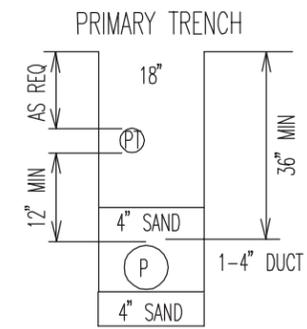
SOUTHAM RD

REPL PT25H 20T
WITH PT63H 65E

FCO 3215
35'CL6

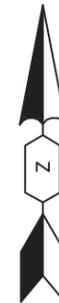
3-6C, 12KV

HWY 45



SAND REQUIREMENT DEPENDENT UPON LOCAL SOIL CONDITIONS
INSPECTOR TO MAKE ALL FINAL DECISIONS ABOUT TRENCH
AND DUCT INSTALLATION

PROJECT CONDITIONS STAMP	
Type(s) of Work:	
<input checked="" type="checkbox"/>	New Business
<input type="checkbox"/>	PG&E Maintenance & Construction
Project Conditions:	
<input type="checkbox"/>	NONE APPARENT (if project design changes, contact ADE)
or	
<input checked="" type="checkbox"/>	CONDITIONS APPLY: raptor area
<input type="checkbox"/>	PERMITS
<input checked="" type="checkbox"/>	TAILBOARD
<input type="checkbox"/>	OTHER
(Provide additional information on line below)	
ELDERBERRY BEETLE AREA/NO ELDERBERRY PLANTS PRESENT	
BY: PHIL PERKINS	
SIGNATURE, NAME, [CORPORATE ID], DATE	



J-12
SSD SW3001
RICE 282-1102
COLUSA

"E FUSE REQUIRED FOR COORDINATION"

EST: PCP4	CO:
ADE: PAU1	SD:
SUPV: MIKE WILLIAMS	NOTIF.:
REP: JOSH DEADMORE	OTHER:
PLNR:	SHT: 1 OF 1 SHEETS
SCALE: NTS	DATE: 10-26-2011
	REV. 30803452
<p>CENTRAL VALLEY GAS STORAGE MCAUSLAND RD, COLUSA PRIMARY METERING</p> <p>PACIFIC GAS AND ELECTRIC COMPANY</p>	