Pacific Gas and Electric Company®

San Carlos Office
Permit Desk

275 Industrial Road
San Carlos, CA 94070

www.pge.com

City of San Bruno
City Engineer
Sidewalk/Street Encroachment
567 El Camino Real
San Bruno, CA 94066

Dear City Engineer:

We hereby respectfully petition your Department for permission to excavate construct and/or otherwise encroach in, under or over the right-of-way of the City of San Bruno. We agree to do the work in Accordance with the Rules and Regulations of the Department of Public Works.

Work Location: Estates Dr.,

Description of Work: approximately 800' of 2" plastic main is to be replaced and all services off the main is to be re-run/transferred

Approximate Start Date and Duration: 9/3/2013 - 11/30/2013

PM#: 30970947

Sincerely,

Signature of PG&E Co. Applicant

June-20-13
Date Issued

Gary Guo
Print name of PG&E Co. Applicant

Please return approved permit to:
Pacific Gas and Electric Company
San Carlos Office-Permit Desk
275 Industrial Road
San Carlos, CA 94070

City Representative

7/25/13
Date Approved

13-043
Permit Number Issued

Pacific Gas and Electric Company

Service Planning Department
275 Industrial Road
San Carlos, CA 94070

Notice of gas construction in your area

Dear San Bruno Resident:

In the coming days, we will begin a project in your neighborhood to restore gas service at Estates Drive at Pacific Gas and Electric Company (PG&E), safety and reliability are our top priorities. Our crews will work as quickly and safely as possible to make these improvements. In some situations, planned service interruptions may be necessary to perform this work. If an outage is planned, we will send another letter. Starting the week of September 1, 2013 you will see PG&E trucks and crews in your neighborhood to begin the following work:

- ***Replace 800' of 2" plastic main and all services will be re-run or transferred
- .

The construction will last from September 3, 2013 through November 30, 2013 rand will cause minor disruptions, such as noise, light traffic control, and crews accessing some properties. If you have any questions about this work, please call me at 1-415-973-8397

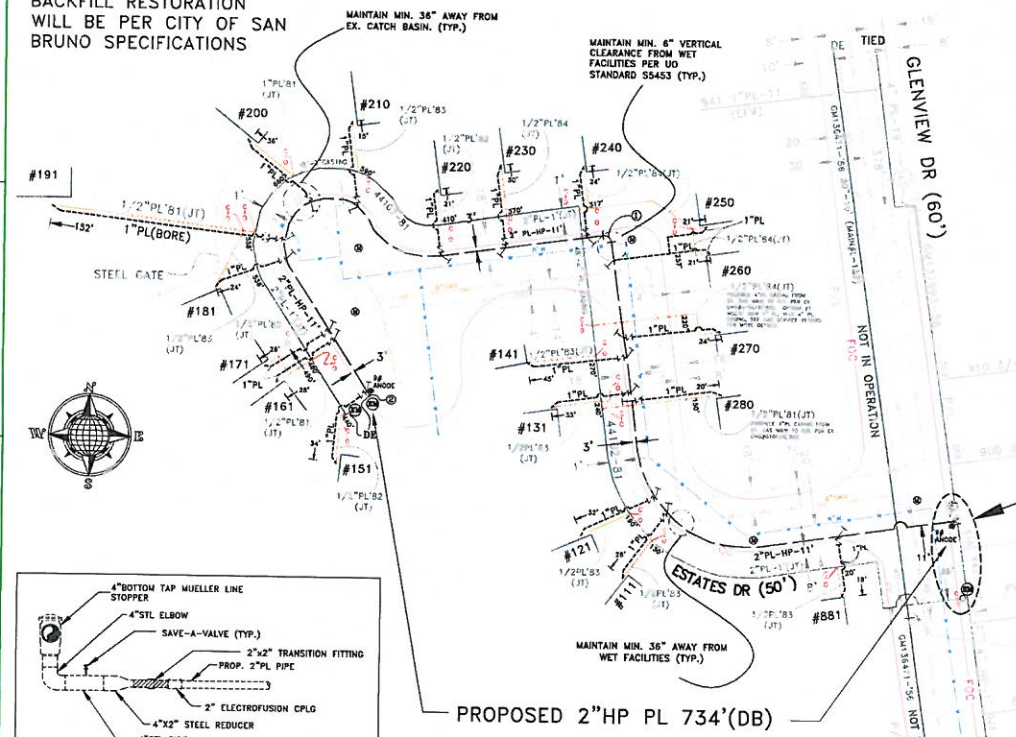
Thank you for your patience as we continue our work and commitment to rebuilding your community.

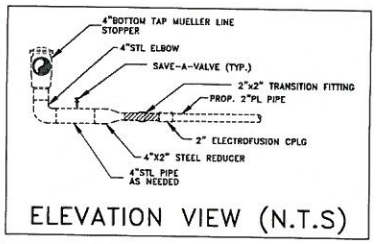
Sincerely,

Frank Salguero
PG&E Executive Manager
San Bruno

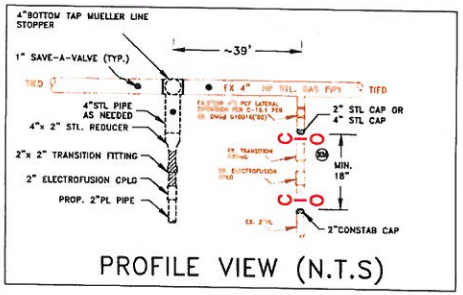
GAS CONSTRUCTION DRAWING

SPECIAL NOTE:
BACKFILL RESTORATION WILL BE PER CITY OF SAN BRUNO SPECIFICATIONS

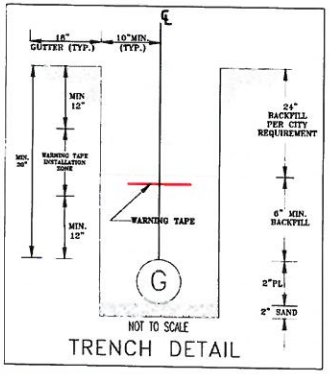




ELEVATION VIEW (N.T.S)



PROFILE VIEW (N.T.S)



TRENCH DETAIL

SCALE
0 40 80

GAS MAINS AND SERVICE NOT DRAWN TO SCALE. UNDERGROUND UTILITIES ARE SHOWN FOR REFERENCE ONLY. WILL BE MARKED AND LOCATED BEFORE CONSTRUCTION BEGINS.

FOREMAN NOTES

1. All backfill and pavement restoration within street franchise is to be done in accordance with issuing agency's permit requirements and specifications.
2. Permits Required:
   - County:
   - Railroad
   - Cal-Trans
   - S.C.V.W.D.
   - SONOMA County
   - CITY: SAN BRUNO
3. Should work be suspended for one day or more, notify City Inspector's office 24 hours prior to resuming work.
4. 48 hours prior to beginning work call "U.S.A." at 811 to have existing utilities located.
5. Intermediate pressure control fittings and bag-off points are not shown in these drawings.
6. Correct all dimensions and materials used to show "as built" condition.
7. Mapping Note: All addresses have been corrected on these drawings.
8. Gas Estimating Phone: (925) 244-3257

TEMPORARY CONDITIONS
EQUIP TO MAINTAIN GAS CONDITIONS AREA
WITH ... AND ... AS
NOT REQUIRED

OPERATING DATA
NAME: UT-E14
OPER: 222
E. ZONE: 32
TYPE: P-61
MAOP: 52 PSIG
MPR: 45 PSIG
MOP: 45 PSIG
LP SHP HP TP
CLASS 1 2 3 4 5 LOCATION

TYPICAL
EFV INSTALLATION DETAIL
SERVICE — * SEE BELOW — EFV
GAS MAIN
* 8"-12"=1 1/2"-1" SERVICES

PIPE WRAP REMOVAL
-For work on pre-1972 pipe, assume the wrap contains ACM asbestos until the wrap can be tested.
-Obtain samples of the wrap, and have samples tested for asbestos in accordance with EP 4701.
-Test results are to be included with as-built.
-Follow procedure in EP 4701 for removal of pipe wrap.
PIPE TYPE: 4" STEEL
YEAR INSTALLED: 1958

Cathodic Protection Levels Inspected as Noted on Drawing on Existing Protected Steel. All Levels Satisfactory per PG&E GS65 0-16
Qualified Employee Date

Welding Inspected per PG&E Gas Standard D-40
Visual
Magnetic Particle
Welded by: (LAN ID)
Date
Inspector ID: (LAN ID)
Date

PLASTIC PIPE INSPECTION/DATA

FOOTAGE AND SIZE
PIPE MANUFACTURER
DATE MANUFACTURED
☐ PE 2406 (YEL) ☐ PE 3408 (1/4"CTS)

FOOTAGE AND SIZE
PIPE MANUFACTURER
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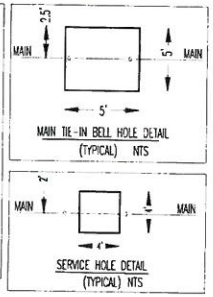
☐ PE 2406 (YEL) ☐ PE 3408 (1/4"CTS)

FOOTAGE AND SIZE
PIPE MANUFACTURER
DATE MANUFACTURED
☐ PE 2406 (YEL) ☐ PE 3408 (1/4"CTS)

LIST ALL PLASTIC PIPE BY FOOTAGE, SIZE, MANUFACTURER AND DATE MANUFACTURED PER STANDARD A93.1



TEST AT 100-110 PSI FOR MINIMUM OF 5 MIN.

PRESSURE	DURATION	INITIALS	DATE OF TEST

STEEL & PLASTIC PIPE DATA

SIZE	MANUFACTURED	DATE OF MANUFACTURE	SDR
2"PL			11
4"STL*			19

* PROPOSED TIE-IN MATERIAL

BILL OF MATERIAL

	*	DESCRIPTION	CODE #	G.S. & S.	QUANTITY	(UNIT)
MAIN	1	2"PL SOCKET FUSION ELBOW	02-9760	B-90	1	EA
	2	2"PL SOCKET FUSION CAP	02-9775	B-90	1	EA
	3	PIPE POLYETHYLENE 2"DS - 300 FT COIL (SDR11, WT=0.216, OD=2.375, ID=1.917)	01-6079	A-93	734	(FT)
	4	WIRE ELEC INSL COP 10 AWG 600V YELLOW	29-4414	A-90.3	760	(FT)
	5	ANODE MAG 9 LB	56-9144	O-13.1	2	EA
	6	CARTRIDGE, CADWELD CA 15	15-9260	O-10	2	EA
	7	UNDERGROUND WARNING TERRA TAPE (6"X1000')	37-9947	L-16	1	ROLL
	8	4" BOTTOM TAP MUELLER LINE STOPPER	02-2742	C-16.2	1	EA
	9	1" SAVE-A-VALVE	02-2452	C-14	3	EA
	10	4" STL ELBOW	02-2039	B-20	1	EA
	11	4" STL PIPE (GR B, SMLS)	01-1693	A-15	3	FT
	12	4"X2" STEEL REDUCER	02-2025	B-20	1	EA
	13	2"X2" TRANSITION FITTING	02-0805	B-90	1	EA
	14	2" ELECTROFUSION CPLG	02-6350	B-90.3	1	EA
	15	2" STL CAP	02-2077	B-20	1	EA
	16	4" STL CAP (IF NEEDED FOR EXISTING MAIN CUT OFF)	02-2079	B-20	1	EA
	17	2"PL CONSTAB CAP	02-1701	B-91.1	1	EA
	18	ELECTRONIC MARKER	37-4944	M-60	3	EA
	19	BOX(FOR ETS)--BODY	04-3560	K-44	1	EA
	20	BOX(FOR ETS)--COVER "ETS"	04-3564	K-44	1	EA
	21	BOX(FOR LIS)--EXTENSION PIPE	01-6063	K-44	4	(FT)
	22	WIRE #10 IMPTE 30 MIL	29-4991	O-10	20	(FT)
SERVICE	23	1 CTS 1" PLASTIC POLYETHYLENE PIPE (500 COIL)	01-6083	A-93	941	(FT)
	24	1 CTS PLASTIC PERFECTION LOW FLOW SERIES 800 EXCESS FLOW VALVE	02-0953	A-93.3	17	EA
	25	2 IPS X 1 CTS PLASTIC SADDLE FUSION TAPPING TEES W/ MECHANICAL CPLG OUTLET	01-8725	B-90.1	18	EA
	26	3/4 X1 CTS LYALL PREFABRICATED RISER (SHORT)	04-1061	A-91	19	EA
	27	1 CTS PLASTIC CONSTAB COUPLING FITTING (FOR RISER)	02-1021	B-91.1	19	EA
	28	3/4" STEEL PLUG	02-0774	B-91	19	EA
	29	GAS METER CONNECTION KITS	04-0945	B-16	19	EA
	30	LOCATING WIRE #10 (FOR 1"PL)	29-4414	A-90.3	1041	(FT)
	31	BOX (VALVE) BODY	04-3271	K-41	1	EA
	32	BOX (VALVE) GAS VALVE COVER	04-3225	K-41	1	EA
	33	1"PL VALVE	04-1340	F-80	1	EA

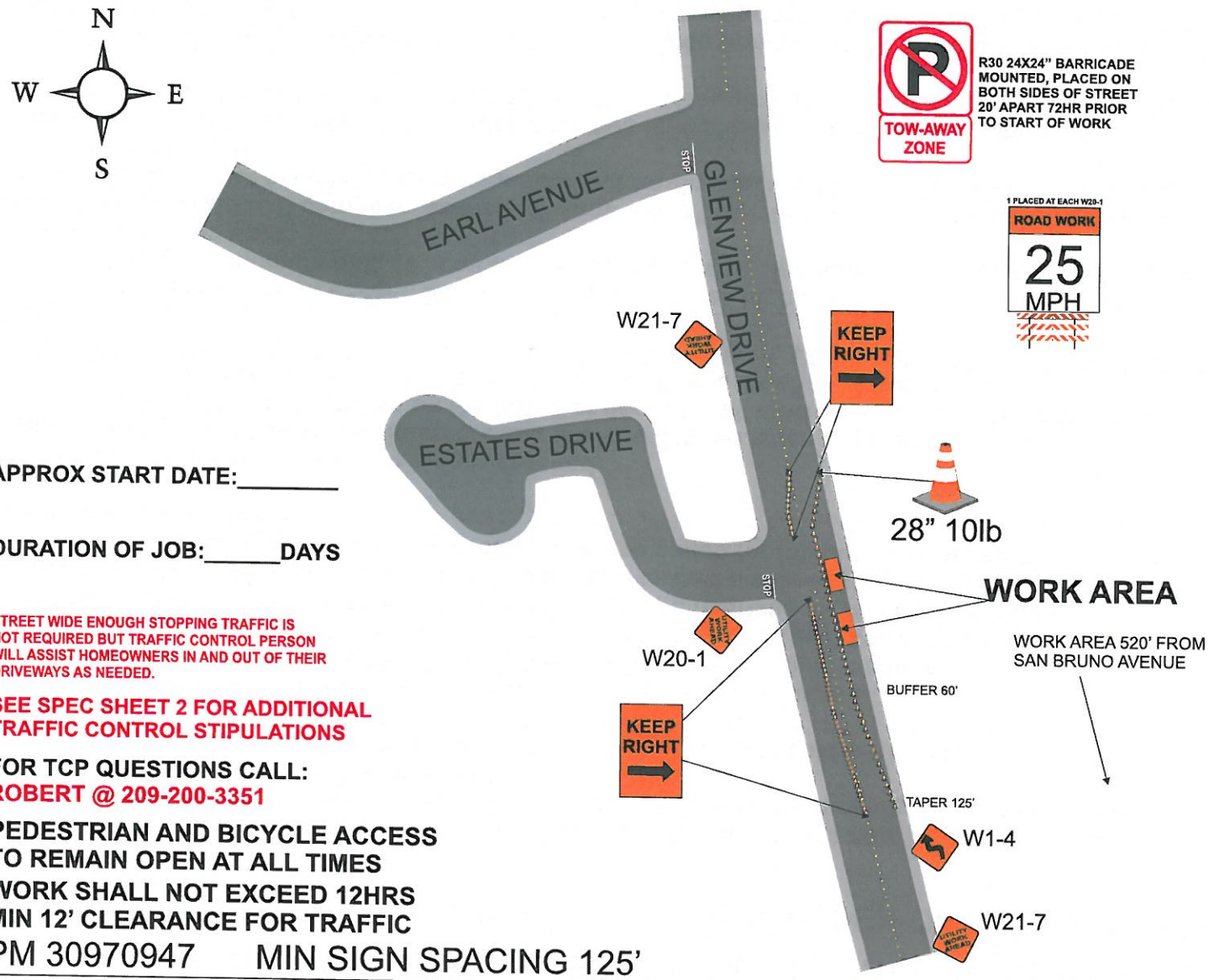
CO:
SD:
NOTIF.: 106554115
Other:
SHT.: 2 of 2
SHEETS
PM: 30970947
REV.

ENGINEERING AND PLANNING DEPT.
6121 BOLLINGER CANYON RD, BLDG 2
SAN RAMON, CA 94583
PHONE #:
FAX #:925-244-3303
PACIFIC GAS AND ELECTRIC COMPANY

EST.: GARY DIRO (GDZ2)
ADE.: GARY GRITEN (GLG2)
SUPV.: HERMAN W GREGORIO (HWG3)
REP.: GRACE BROWES (GPB4)
PLNR.: SANYA SIVARAM (SSS4)
SCALE: 1=40'
DATE: JUNE-01-15

NO.	DATE	DESCRIPTION	ORIGD #	DWN	CHKD	SUPV	APVD BY
		REVISIONS					

ALDYL-A REPLACEMENT PROGRAM
GAS CONSTRUCTION DWG
ESTATES DR
SAN BRUNO, CA



APPROX START DATE:_____

DURATION OF JOB:_____DAYS

STREET WIDE ENOUGH STOPPING TRAFFIC IS NOT REQUIRED BUT TRAFFIC CONTROL PERSON WILL ASSIST HOMEOWNERS IN AND OUT OF THEIR DRIVEWAYS AS NEEDED.

SEE SPEC SHEET 2 FOR ADDITIONAL TRAFFIC CONTROL STIPULATIONS

FOR TCP QUESTIONS CALL:
ROBERT @ 209-200-3351

PEDESTRIAN AND BICYCLE ACCESS TO REMAIN OPEN AT ALL TIMES
WORK SHALL NOT EXCEED 12HRS
MIN 12' CLEARANCE FOR TRAFFIC

PM 30970947 MIN SIGN SPACING 125'

SIGNS BEING USED

48X48" W1-4

48X48" W21-7

SPECIAL
KEEP RIGHT
36X48

ADDITIONAL TRAFFIC CONTROL PERSON TO MAINTAIN CLOSURE ASSIST BICYCLE, PEDESTRIAN AND DRIVE WAY TRAFFIC SHOULD NEED ARISE

GAS

NOT TO SCALE

MAX CONE SPACINGS

SPEED	MIN TAPER	TAPER	TANGENT
25	125	25	50
30	180	30	60
35	245	35	70
40	320	40	80
45	540	45	90

ALL BUFFER ZONES SHALL BE A MIN OF 60'
ALL SIGN SPACINGS SHALL BE A MIN OF 125'

Owner	CITY OF SAN BRUNO
Project Name	Glenview Dr @ Estates Dr
Project Number	San Bruno ,California
Prime Contractor	PG&E
Traffic Control Contractor	ED SAFETY INC
Phone	209-333-0807
Sheet Number	PS-1
Date	5/24/2013
Prepared By	ED SAFETY SERVICES, INC

HOURS OF WORK SHALL BE DETERMINED BY THE CITY OF SAN BRUNO