COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1201212**
Date Issued: 05/29/2012
Exp. Date: 10/01/2012
Project No: PWP730052
Quad: SE

UE/CR/PM NO:30854372

ENCROACHMENT PERMIT

To: PACIFIC GAS & ELECTRIC - FRESNO
P.O. BOX 3031
FRESNO, CA 93720

Encroachment Type:

Trench			

Location:
E/S OF SANTA FE RD. 550' N/O SEIDNER RD.

In compliance with your request of **05/29/2012** , permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD****No work allowed within paved area****Any shoulder are disturbed within 8'-0" of edge of pavement shall be replaced in kind****No Work allowed between the hours of 6:00 a.m. to 8:00 a.m. and 4:00 p.m. to 6:00 p.m.****

FORMS:

SS/WW, R-29		

Est. Permit Fee: $756.75

THOMAS M. GAU, Director
Department of Public Works

By: _____
Permit Section

WHITE	-Permitee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

ENCROACHMENT PERMIT

GENERAL PROVISIONS

12-1

1. This permit is issued under and subject to a11 1aws and ordinances of agencies governing the encroachment herein permitted. See the following references:
   STREETS AND HIGHWAYS CODE
   1. Division 1, Chapter 3
   2. Division 2, Chapter 2, Section 942
   3. Division 2, Chapter 4, Section 1126
   4. Division 2, Chapter 5.5 and Chapter 6

   SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, and 892.

2. It is understood and agreed by the Permittee that the doing of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.

3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean a condition as is possible and upon completion of the work granted herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.

4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any injury to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility of such maintenance of the encroachment structure by the County of San Joaquin.

5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Director of Public Works or his representative.

6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.

7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.

8. All work shall be planned and carried out so that there will be as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Barricades shall be placed, With approved Signs and lights at light, and flagmen shall be employed, all as may be required by the particular work in progress.

9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to do the work provided for under this permit. In the event any .claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold them and each of them harmless for such claim.

10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surfacing is cut or damaged in the work of placing an encroachment structure, such material shall either be separately stored and replaced in the roadway as nearly as possible.in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as It was before the commencement of operations of placing the encroachment structure.

11. Whenever necessary to, secure permission from abutting property owners, such authority must be secured by the Permittee prior to starting work.

12. The future safety and convenience of the traveling public shall be given every consideration in the location and type of construction.

PM 30854372 G

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date 5.16.12

To: San Joaquin County
Department of Public Works

PACIFIC GAS & ELECTRIC CO
(Applicant Name)
PACIFIC GAS & ELECTRIC CO.
FRESNO RMC/DMD
(Mailing Address)
8 RIVER PARK PLACE EAST
FRESNO, CA 93720
(City, State, Zip Code)

(559) 347-5311
(Area Code - Telephone Number)

OFFICE USE ONLY

JOB #	730052-5	REF #	
APN		CR #	
EXP. DATE	10/1/12		
VALID	6/11/12 TO 10/1/12		DRIVEWAYS:
STREET	SANTA FE RD.		*
AREA	ESCALON QUAD SE		*
TYPE	TRENCHING		*
FORMS	SE/NW, R-29		
NOTES			

Sketch (Detailed plans may be submitted)
SEE ATTACHED PG&E DWG'S.

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the EAST side of SANTA FE ROAD approximately 550 feet/mile N/W of SEINDER ROAD, ESCALON, by performing the following work (description of work):

1. TRENCH/BORE AND INSTALL (1) HPR-TYPE DISTRICT REGULATOR STATION
2. TRENCH/BORE AND INSTALL 20' OF 2" HP STEEL MAIN
3. TRENCH/BORE AND INSTALL 860' OF 2" HP PLASTIC MAIN
4. REPLACE AND TRANSFER (3) SERVICE TO NEW MAIN.
5. TRENCH/EXCAVTE AND REMOVE (4) CUSTOMER HPR SETS

Work will commence on or about JUNE 11, 2012 for approximately NINETY days.

I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

Harry Pascual
SENIOR ENGR./ESTIMATOR
Signature of Applicant - Title
530-889-3151

5.16.12
Date

E:\PUB-SV.WK\MASTERJPS\ENCROACHMENT PERMIT APPLICATION.DOC (01/05)

PM 30854372G

ALL FLAGGERS WILL COMMUNICATE THROUGH HAND SIGNALS AND WALKIE TALKIES WITH ONE ANOTHER

PEDESTRIAN AND BICYCLE ACCESS TO REMAIN OPEN AT ALL TIMES

All lane closures shall meet or exceed MUTCD specifications as well as conform to hours of work set forth by the City. All areas of work when encroaching upon sidewalk access OR pedestrian safety shall have a MUTCD standard sidewalk closure detour detail in place to ensure pedestrian and public safety. Pedestrian access or detour will be maintained at all times in the event sidewalks must be closed, all paths of travel shall be similar to one that is closed. Pedestrian traffic shall at all times have a minimum 4 feet wide area of travel. All open excavation areas shall be backfilled or trench plated prior to public usage. All closures set forth in this TCP are the minimum allowed on project, field conditions may change requiring further traffic safety devices or traffic control persons to ensure safety of traveling public, pedestrians as well as work forces. All changes to ensure safety will be made immediately to ensure a safe environment for all parties. All traffic control devices, vehicles and personnel must be suited for the purpose intended as well as meet or exceed all MUTCD specifications as well as City specifications. ED Safety Inc shall be onsite from start to finish of work to ensure all traffic devices and closures meet or exceed MUTCD specifications & above requirements are met. All devices shall be removed when no longer required.

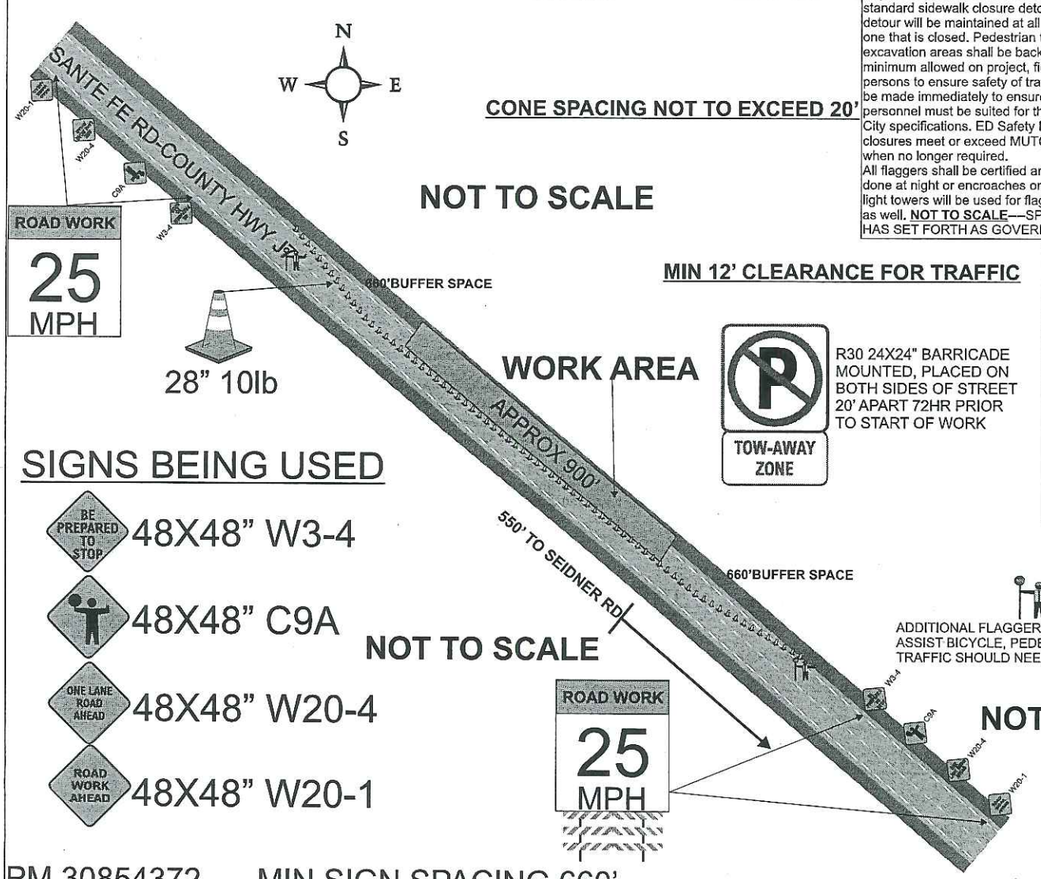
All flaggers shall be certified and all intersections shall be flagged when required as shown on plans. If work is done at night or encroaches on the hours of darkness all road work ahead signs shall have flashing a beacon, light towers will be used for flaggers and work areas and all other MUTCD requirements shall be met or exceeded as well. **NOT TO SCALE**---SPACING OF SIGNS, TAPER AND TANGENTS WILL BE SPACED AS PER TABLE HAS SET FORTH AS GOVERNED BY TRAVEL SPEEDS.

CONE SPACING NOT TO EXCEED 20'

NOT TO SCALE

MIN 12' CLEARANCE FOR TRAFFIC

Pavement delineation not exactly as appears in field but traffic plan will still work as shown. All cones shall be 28" 10 lb and shall not be placed further than 40' apart. All hours of work shall be dictated by the Cities specified lane closure charts or as directed by the city inspector. Vehicle path of travel shall never be less than 12' in width. Closures and excavation not to exceed what forces expect to excavate per the daily shift. Roadway shall not be opened until safe for public use. All open trenches must be plated or backfilled prior to public usage. All areas of excavation must have a valid USA dig tag with corresponding dig ticket number, proof must be carried with the excavating forces at all times. All traffic devices shall meet or exceed MUTCD. All signs shall be high intensity night time reflective, 48"x48" roll up signs. All signs shall have a minimum of 2, 18" day time flags attached to sign stands during day time hours and if applicable flashing 12", 12v beacons for night time work. Sign stands shall be MUTCD compliant as well allowing for 18" to 7' height for signs as well as spring equipped for windy conditions.



SIGNS BEING USED

- 48X48" W3-4 (BE PREPARED TO STOP)
- 48X48" C9A
- 48X48" W20-4 (ONE LANE ROAD AHEAD)
- 48X48" W20-1 (ROAD WORK AHEAD)

NOT TO SCALE

MAX CONE SPACINGS

Speed	Min Taper	TAPER	TANGENT
55	660	40	50

ALL BUFFER ZONES SHALL BE A MIN OF 660'
ALL SIGN SPACINGS SHALL BE A MIN OF 660'

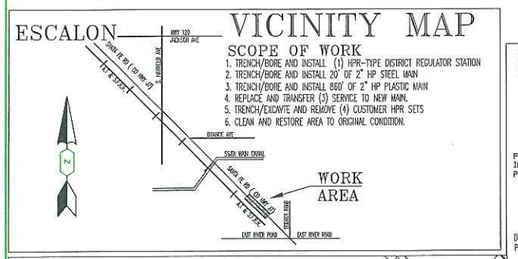
PM 30854372 MIN SIGN SPACING 660'

Owner: City Of Escalon			
Project Name: Sante Fe near East River Rd			Project Number: Escalon,California
Prime Contractor: PG&E			Traffic Control Contractor: ED SAFETY INC
Phone: 209-333-0807	Sheet Number: PS-1		Date: 5/14/2012
Prepared By: ED SAFETY SERVICES, INC			

HOURS OF WORK SHALL BE DETERMINED BY THE CITY OF ESCALON

TYPICAL HPR-TYPE DISTRICT REGULATOR STATION

VICINITY MAP

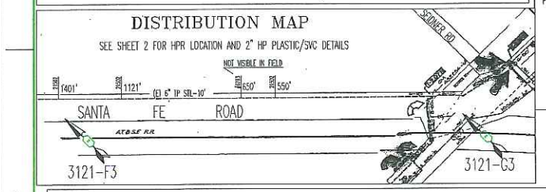


SCOPE OF WORK

1. TRENCH/BORE AND INSTALL (1) HPR-TYPE DISTRICT REGULATOR STATION
2. TRENCH/BORE AND INSTALL 20' OF 2" HP STEEL MAIN
3. TRENCH/BORE AND INSTALL 860' OF 2" HP PLASTIC MAIN
4. REPLACE AND TRANSFER (3) SERVICE TO NEW MAIN.
5. TRENCH/EXCAVATE AND REMOVE (4) CUSTOMER HPR SETS
6. CLEAN AND RESTORE AREA TO ORIGINAL CONDITION.

DISTRIBUTION MAP

SEE SHEET 2 FOR HPR LOCATION AND 2" HP PLASTIC/SVC DETAILS



DETAIL 1- TIE-IN ELEVATION VIEW- NTS

ASSUMED PIPE SPECIFICATIONS
(E) API 5L GR B ERW 6.625" O.D.
0.156 WT. STEEL PIPE
MAOP 180 PSIG- GH 153632 -1962
MOP 175 PSIG

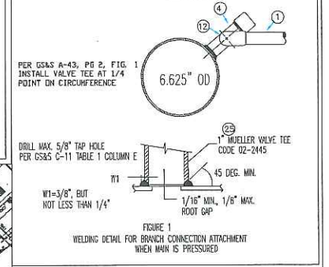
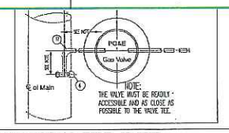
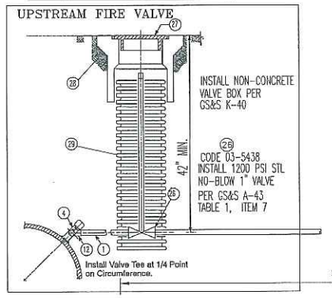


FIGURE 1
WELDING DETAIL FOR BRANCH CONNECTION ATTACHMENT WHEN MAIN IS PRESSURED

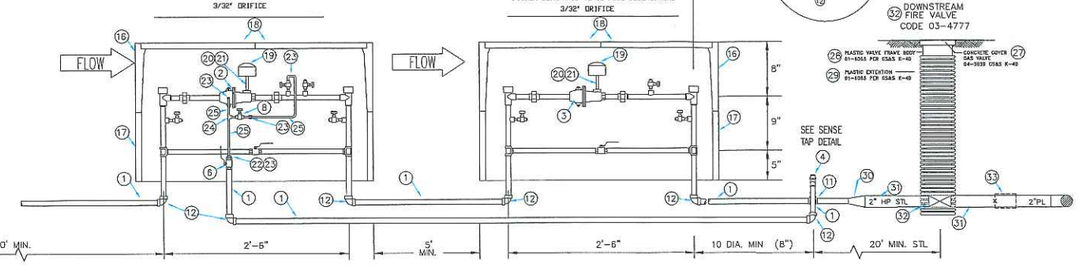


UPSTREAM FIRE VALVE



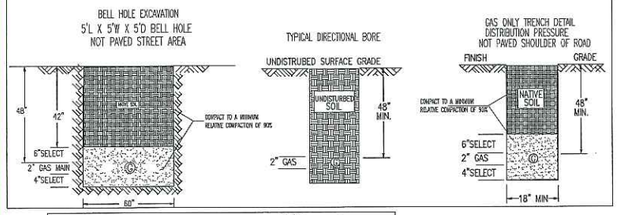
NOTE:
ITEMS NOT NUMBERED ON SKETCH BELOW ARE INCLUDED IN THE HPR PRE-FABRICATED SET ITEM #5 , CODE M03-2119, IN MATERIAL LIST

INSTALL REG. STATION PER GS&S H-10

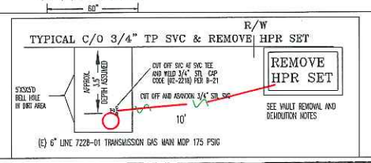


DIRECTIONAL BORE & TRENCH EXCAVATION

IT IS PROPOSED TO INSTALL THE NEW 2" MAIN BY DIRECTIONAL BORING METHOD. OPEN TRENCH METHOD WILL ONLY BE USED WHERE IT IS NOT PRACTICAL TO BORE.



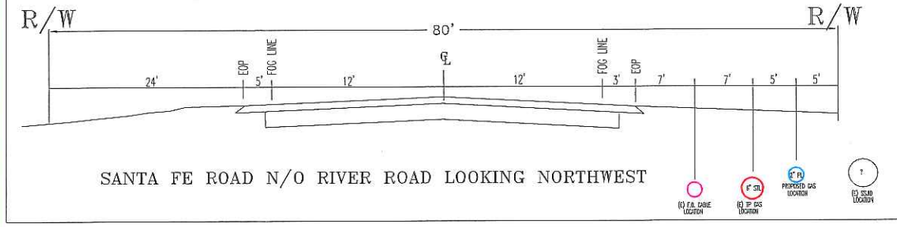
TYPICAL C/O 3/4" TP SVC & REMOVE HPR SET



Vault Removal and Demolition

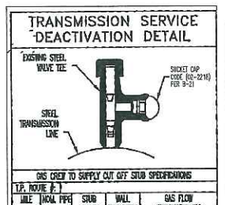
A. Remove all piping, valves and equipment in the vault within 24 inches from the existing or proposed finished grade. Salvage valves and equipment, if the cost is justified.
B. Piping, valves, and equipment in the vault 24 inches below the existing or proposed finished grade can remain in the abandoned vault or pit if there is no salvage value. Remove all oil-and grease-containing equipment.
C. Remove frame assemblies, manhole castings, and manhole extensions.
D. Break up and remove the walls and ceiling to a minimum depth of 24 inches below the existing or proposed finished grade.
E. Remove all exposed structural steel and rebar.
F. Break up a portion of the floor to allow for adequate underground water drainage.
G. Backfill deactivated vaults or pits more than 24 inches below the existing or proposed finished grade with wet sand or other specified material to allow for flow.
H. Backfill and compact the remaining 24 inches to the existing or proposed finished grade, in accordance with California Inter-Utility Site Restoration Guidelines.
I. Reference WP 4100-11, Deactivation and/or retirement of underground gas facilities.

R/W 80' R/W



SANTA FE ROAD N/O RIVER ROAD LOOKING NORTHWEST

TRANSMISSION SERVICE DEACTIVATION DETAIL



GAS CREW TO SUPPLY CUT OFF STUB SPECIFICATIONS

T.P. NOVE # 1

MILE POINT	NOVAL PIPE DIAMETER	STUB LENGTH	WALL THICKNESS	GAS FLOW TERMINATED YES

ASSET DATA STAMP

BOM# 26
TECH ID
MANUFACTURE
MODEL#
SERIAL#

FIRE VALVE ONLY

VALVE TO BE COMMISSIONED BY GAS T&R OR DISTRICT PRIOR TO INSTALLATION / WELDING

COMMISSIONED BY
DATE
NUMBER OF TURNS
MODEL#
SERIAL#

EXISTING PIPE SPECIFICATIONS FOR TIE-IN

HEADER SIZE 6"
PIPE SPEC.S API 5L GR. B ERW
WALL THICKNESS 0.156"
PRESENT MAOP 180
% SMYS @ MAOP 10.92

MAXIMUM ALLOWABLE PRESSURE DURING WELDING GS&S D-22

3(2)a: 175 PSIG
3(2)b: 175 PSIG

ALL WELDING IS TO BE DONE IN ACCORDANCE WITH GAS STD D-22

DESIGN CRITERIA - 3/4" Gr. B SMLS & HPR

BOM # 1

LOCATION CLASS 3
DESIGN FACTOR 0.5
D.P. 40# SMYS 3.97 %
MAOP 40# SMYS 3.97 %

STRENGTH TEST PRESSURE

MAX. 812 PSIG SMYS 7.91 %
MIN. 612 PSIG SMYS 5.96 %
9240 PSIG = 90% SMYS
TEST MEDIUM NITROGEN
PIPE SPEC. Gr. B SMLS
O.D. 1.05"
W.T. 0.154"

WELD INSPECTION (GAS STD. D-40)*

☐ RADIOGRAPHIC INSPECTION REQUIRED
☐ 20% MIN. (% of each welder's daily work)
☐ 100%

*VISUALLY INSPECT 100% OF ALL WELDS THAT ARE NOT RADIOGRAPHICALLY INSPECTED. (THIS REQUIREMENT APPLIES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED.)

ASSET DATA STAMP

BOM# 32
TECH ID
MANUFACTURE
MODEL#
SERIAL#

FIRE VALVE ONLY

VALVE TO BE COMMISSIONED BY GAS T&R OR DISTRICT PRIOR TO INSTALLATION / WELDING

COMMISSIONED BY
DATE
NUMBER OF TURNS
MODEL#
SERIAL#

HYDROSTATIC TEST REQUIREMMENTS

HYDROSTATIC TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF DOCUMENT A-34, AND SHELL BE CONDUCTED IN ACCORDANCE WITH DOCUMENT A-37

WELDING REQUIREMMENTS

ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH DOCUMENT D-22

PAINTING AND WRAPPING REQUIREMENTS

ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH DOCUMENT E-31.

ALL EPOXY COATING ON BURIED PIPE AND FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH DOCUMENT E-35.

WRAP ALL BURIED PIPE AND FITTINGS IN ACCORDANCE WITH DOCUMENT E-24 OR E-25

CP NOTE

SERVICE PROTECTED BY TRANSMISSION CP

CONSTRUCTION REFERENCES

1. REFER TO GAS STANDARDS A-90 & A-93.1 FOR TYPICAL DIRECT BURIAL PLASTIC GAS MAIN AND SERVICE INSTALLATION.
2. REFER TO GAS STANDARDS A-90, A-90.2, A-90.3, & A-91 FOR TYPICAL PLASTIC GAS MAIN AND SERVICE INSERT CONSTRUCTION.
3. REFER TO GAS STANDARDS A-90.2, O-12, O-13, O-13.1 & O-16 FOR TYPICAL ANODE AND LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC GAS MAIN AND SERVICES.
4. REFER TO GAS STANDARDS A-90 & A-91 FOR TYPICAL GAS SERVICE RISER INSTALLATION.
5. ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH GAS STANDARD D-22.
6. PERFORM ALL HOT TIE-INS AND PURGING OF GAS PIPING PER GAS STANDARD A-38.
7. CROSSING EXISTING WATER, SEWER AND STORM DRAIN LINES, EITHER UNDER OR OVER, AS REQUIRED TO MEET CLEARANCE REQUIREMENTS PER UO STANDARD S5453.
8. REMOVE AND REPLACE TRENCH SPOIL WITH SELECT BACKFILL AS REQUIRED BY PG&E SPECIFICATIONS, AND ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
9. PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
10. USE #10 WIRE ON ALL MAINS AND SERVICES.

CONTACTS

TITLE	NAME	PHONE #
GAS ESTIMATOR	HARRY PASCUAL	(530) 889-3151
GAS A.D.E.	RICHARD RAULINO	(530) 889-3199
ESTIMATING SUPERVISOR	MARTY NEPPER	(530) 889-3252
LOCAL GAS A.D.E.	SERGIO TONARELLI	(209) 576-6663
T&R SUPERVISOR	STEVEN FRANKIEWICH	(209) 726-5523
CORROSION MECHANIC	STEVE BARNES	(209) 576-6665
LAND AGENT	PAUL SANSIBAUGH III	(209) 942-1650
PLANNER	JEFF PACE	(209) 576-6530
JOB REP	PAUL KAPLAN	(209) 932-2504

BILL OF MATERIAL

ITEM	MONITOR STAGE	REGULATOR STAGE	DESCRIPTION	SIZE	CODE	REFERENCE
1	40'		PIPE, STL, WRAPPED, API 5L GR B SMLS, 0.154" WT, 3/4"	3/4"	01-1036	A-15
2	0	1	REGULATOR, FISHER 627M, 3/4"	3/4"	03-2064	H-46.1
3	1	0	REGULATOR, FISHER 627, 3/4"	3/4"	03-2071	H-46.1
4		1	VALVE, TEE, MUELLER H-17656, 1"	1"	02-2445	C-11
5	1	1	HIGH PRESSURE REGULATOR, PRE-FABRICATION SET		M032119	H-10
6	1	0	BALL VALVE MARPAC, THREADED UNION ELDS	3/4"	03-4272	F-20
7						
8	1	0	NEEDLE VALVE, ACCO HSVDC-22/T, 1/4"F x 1/4"F OR EQUIVALENT	1/4"	03-5161	F-70
9						
10						
11		1	TEE, SOCKET WELD, FORGED STEEL	3/4"	02-2562	B-21
12	3	4	ELBOW, PIPE SOCKET WELD, 3,000 PSIG, FORGED STEEL	3/4"	02-2588	B-21
13						
14						
15	2	2	UNION, SOCKET WELD, FORGED STEEL, 3,000 PSIG, O-RING JOINT	3/4"	03-1319	N/A
16	1	1	BOX, PRECAST, CONCRETE, CHRISTY #B4B	30" x 48"	04-0685	K-42
17	1	1	EXTENSION, 10", PRECAST, CONCRETE	30" x 48"	04-3164	K-42
18	1	1	LID, TWO-PIECE, STEEL, CHECKERED PLATE	30" x 48"	04-3174	K-42
19	1	1	VENT COVER, SCHEDULE 40 PVC	3" x 4"	04-0563	H-91
20	1	1	NIPPLE, PIPE ZINC, TBE, SEAMLESS, 4" LONG	1/2"	03-3669	B-13
21	1	1	BUSHING, PIPE, HEXAGONAL, CARBON STEEL, 6,000 PSIG	3/4"x1/2"	02-1218	N/A
22	1	0	BUSHING, SCREWED, STEEL	3/4"x1/4"	02-1284	N/A
23	1	0	MALE, CONNECTOR, GRIPLOC ISS G6 MC4	1/4"Mx3/8" TUBING	02-1245	B-62
24	1	0	MALE OUTLET TEE, 3/8" x 3/8" TUBING, 1/4" MALE NPT	3/8"x1/4"	02-7392	N/A
25	TO SUIT		TUBING, STAINLESS STEEL, SEAMLESS	3/8"	01-1015	A-22
26	1		VALVE, 1200 PSI, STL NO-BLOW, 1" MUELLER H-17900	1"	03-5438	
27	2		CONCRETE COVER, GAS VALVE		04-3039	K-40
28	2		PLASTIC BODY, VALVE BOX		04-3498	K-40
29	2		PLASTIC EXTENSION, 10' LENGTH		01-6063	K-40
30	1		2" x 3/4" CONCENTRIC WELDING REDUCER	2"X3/4"	02-2181	B-20
31	20'		PIPE, 2" STL, WRAPPED, API 5L GR B SMLS, 0.154" WT.	2"	01-0147	A-15
32	1		VALVE, ANSI 150, KEROTEST WELDBALL, WELDEND	2"	03-4777	F-22
33	1		IPS, BUTT-WELD TRANSITION FITTING, STL TO PL	2"	02-9805	B-90

CO:
SD:
NOTIF.: 105315060
Other:
SHT.: 1 OF 2
SHEETS
PM: 30854372
REV.

ENGINEERING AND PLANNING DEPT.
333 SACRAMENTO STREET
AUBURN, CA. 95603
PHONE #: 530-889-3151 FAX #: 530-889-7297
PG&E PACIFIC GAS AND ELECTRIC COMPANY

EST.: HARRY PASCUAL
ADE: RICHARD RAULINO
SUPV: MARTY NEPPER
REP.: JOHN HUNTER
PLNR: JEFF PACE
SCALE: NONE
DATE: 06/15/12

NO.	DATE	DESCRIPTION	ORDER #	DWN	CHKD	SUPV	APVD BY

REVISIONS

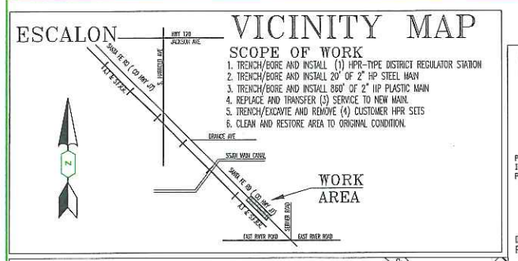
INSTALL 860 FT OF 2" HP PL MAIN
REPLACE (1) HPR W/ HPR DIST. REG. STA.
REMOVE (2) HPR'S AND TRANSFER (3) SVC'S
SANTA FE RD 550' N/O SEIDNER RD
ESCALON, STANISLAUS COUNTY

VICINITY MAP

ESCALON

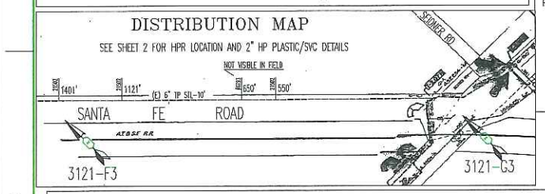
SCOPE OF WORK

1. TRENCH/BORE AND INSTALL (1) HPR-TYPE DISTRICT REGULATOR STATION
2. TRENCH/BORE AND INSTALL 20' OF 2" HP STEEL MAIN
3. TRENCH/BORE AND INSTALL 860' OF 2" HP PLASTIC MAIN
4. REPLACE AND TRANSFER (3) SERVICE TO NEW MAIN.
5. TRENCH/EXCAVTE AND REMOVE (4) CUSTOMER HPR SETS
6. CLEAN AND RESTORE AREA TO ORIGINAL CONDITION.



DISTRIBUTION MAP

SEE SHEET 2 FOR HPR LOCATION AND 2" HP PLASTIC/SVC DETAILS



DETAIL 1- TIE-IN ELEVATION VIEW- NTS

ASSUMED PIPE SPECIFICATIONS
(E) API 5L GR B ERW 6.625" O.D.
0.156 WT. STEEL PIPE
MAOP 180 PSIG- GH 153632 -1962
MOP 175 PSIG

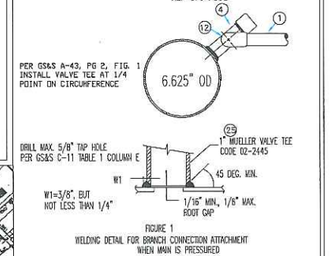
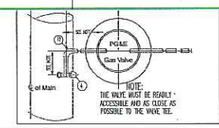
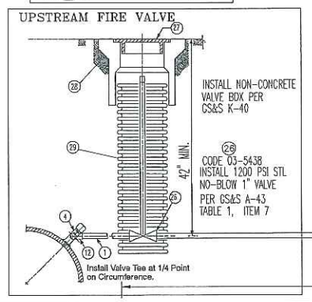


FIGURE 1
WELDING DETAIL FOR BRANCH CONNECTION ATTACHMENT WHEN MAIN IS PRESSURED



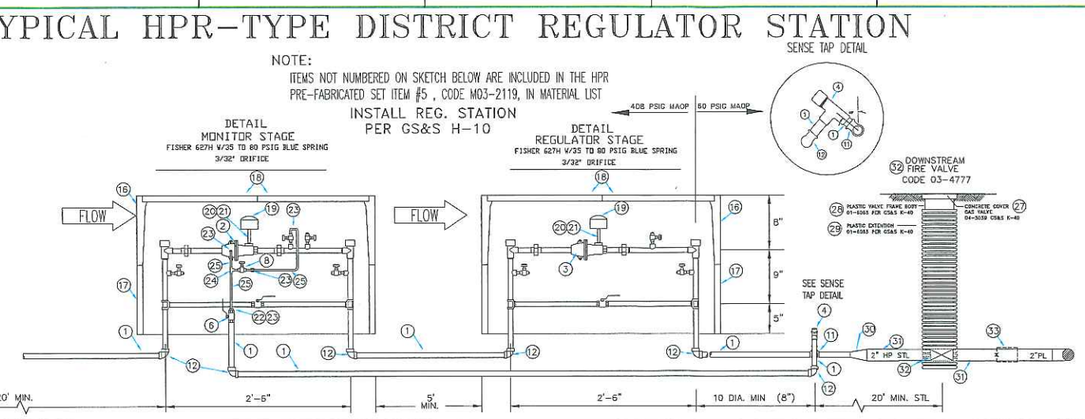
UPSTREAM FIRE VALVE

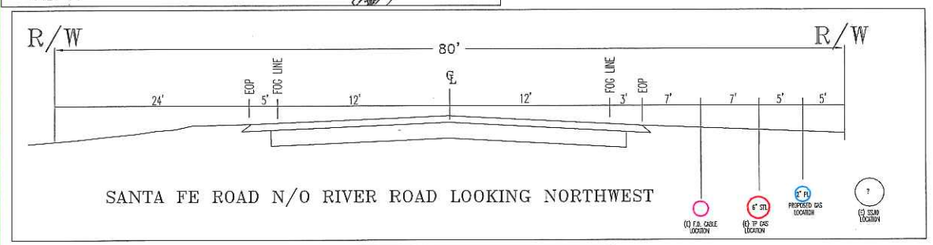


TYPICAL HPR-TYPE DISTRICT REGULATOR STATION

NOTE:
ITEMS NOT NUMBERED ON SKETCH BELOW ARE INCLUDED IN THE HPR PRE-FABRICATED SET ITEM #5 , CODE M03-2119, IN MATERIAL LIST

INSTALL REG. STATION PER GS&S H-10





ASSET DATA STAMP

BOM# 26
TECH ID
MANUFACTURE
MODEL#
SERIAL#

FIRE VALVE ONLY

VALVE TO BE COMMISSIONED BY GAS T&R OR DISTRICT PRIOR TO INSTALLATION / WELDING

COMMISSIONED BY
DATE
NUMBER OF TURNS
MODEL#
SERIAL#

EXISTING PIPE SPECIFICATIONS FOR TIE-IN

HEADER SIZE 6"
PIPE SPEC.S API 5L GR. B ERW
WALL THICKNESS 0.156"
PRESENT MAOP 180
% SMYS @ MAOP 10.92

MAXIMUM ALLOWABLE PRESSURE DURING WELDING GS&S D-22

3(2)a: 175 PSIG
3(2)b: 175 PSIG

ALL WELDING IS TO BE DONE IN ACCORDANCE WITH GAS STD D-22

DESIGN CRITERIA - 3/4" Gr. B SMLS & HPR

LOCATION CLASS 3 BOM # 1
DESIGN FACTOR 0.5
D.P. 408 SMYS 3.97 %
MAOP 408 SMYS 3.97 %

STRENGTH TEST PRESSURE
MAX. 812 PSIG SMYS 7.91 %
MIN. 612 PSIG SMYS 5.96 %
9240 PSIG = 90% SMYS
TEST MEDIUM NITROGEN
PIPE SPEC. Gr. B SMLS
O.D. 1.05"
W.T. 0.154"

WELD INSPECTION (GAS STD. D-40)*
☐ RADIOGRAPHIC INSPECTION REQUIRED
☐ 20% MIN. (% of each welder's daily work)
☐ 100%

*VISUALLY INSPECT 100% OF ALL WELDS THAT ARE NOT RADIOGRAPHICALLY INSPECTED. (THIS REQUIREMENT APPLIES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED.)

ASSET DATA STAMP

BOM# 32
TECH ID
MANUFACTURE
MODEL#
SERIAL#

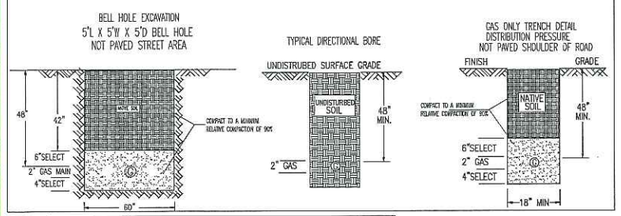
FIRE VALVE ONLY

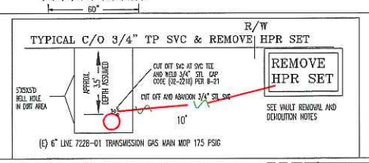
VALVE TO BE COMMISSIONED BY GAS T&R OR DISTRICT PRIOR TO INSTALLATION / WELDING

COMMISSIONED BY
DATE
NUMBER OF TURNS
MODEL#
SERIAL#

DIRECTIONAL BORE & TRENCH EXCAVATION

IT IS PROPOSED TO INSTALL THE NEW 2" MAIN BY DIRECTIONAL BORING METHOD. OPEN TRENCH METHOD WILL ONLY BE USED WHERE IT IS NOT PRACTICAL TO BORE.

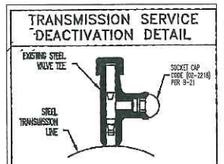




Vault Removal and Demolition

A. Remove all piping, valves and equipment in the vault within 24 inches from the existing or proposed finished grade. Salvage valves and equipment, if the cost is justified.
B. Piping, valves, and equipment in the vault 24 inches below the existing or proposed finished grade can remain in the abandoned vault or pit if there is no salvage value. Remove all oil-and grease-containing equipment.
C. Remove frame assemblies, manhole castings, and manhole extensions.
D. Break up and remove the walls and ceiling to a minimum depth of 24 inches below the existing or proposed finished grade.
E. Remove all exposed structural steel and rebar.
F. Break up a portion of the floor to allow for adequate underground water drainage.
G. Backfill deactivated vaults or pits more than 24 inches below the existing or proposed finished grade with wet sand or other specified material to allow for flow.
H. Backfill and compact the remaining 24 inches to the existing or proposed finished grade, in accordance with California Inter-Utility Site Restoration Guidelines.
I. Reference WP 4100-11, Deactivation and/or retirement of underground gas facilities.

TRANSMISSION SERVICE DEACTIVATION DETAIL



GAS CREW TO SUPPLY CUT OFF STUB SPECIFICATIONS

T.P. ROUTE # 1				
MILE POINT	NOM. PIPE DIAMETER	STUB LENGTH	WALL THICKNESS	GAS FLOW TERMINATED BY:

HYDROSTATIC TEST REQUIREMMENTS

HYDROSTATIC TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF DOCUMENT A-34, AND SHELL BE CONDUCTED IN ACCORDANCE WITH DOCUMENT A-37

WELDING REQUIREMMENTS

ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH DOCUMENT D-22

PAINTING AND WRAPPING REQUIREMENTS

ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED IN ACCORDANCE WITH DOCUMENT E-31.

ALL EPOXY COATING ON BURIED PIPE AND FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH DOCUMENT E-35.

WRAP ALL BURIED PIPE AND FITTINGS IN ACCORDANCE WITH DOCUMENT E-24 OR E-25

CP NOTE

SERVICE PROTECTED BY TRANSMISSION CP

CONSTRUCTION REFERENCES

1. REFER TO GAS STANDARDS A-90 & A-93.1 FOR TYPICAL DIRECT BURIAL PLASTIC GAS MAIN AND SERVICE INSTALLATION.
2. REFER TO GAS STANDARDS A-90, A-90.2, A-90.3, & A-91 FOR TYPICAL PLASTIC GAS MAIN AND SERVICE INSERT CONSTRUCTION.
3. REFER TO GAS STANDARDS A-90.2, O-12, O-13, O-13.1 & O-16 FOR TYPICAL ANODE AND LOCATING WIRE INSTALLATION ON DIRECT BURIAL PLASTIC GAS MAIN AND SERVICES.
4. REFER TO GAS STANDARDS A-90 & A-91 FOR TYPICAL GAS SERVICE RISER INSTALLATION.
5. ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH GAS STANDARD D-22.
6. PERFORM ALL HOT TIE-INS AND PURGING OF GAS PIPING PER GAS STANDARD A-38.
7. CROSSING EXISTING WATER, SEWER AND STORM DRAIN LINES, EITHER UNDER OR OVER, AS REQUIRED TO MEET CLEARANCE REQUIREMENTS PER UO STANDARD S5453.
8. REMOVE AND REPLACE TRENCH SPOIL WITH SELECT BACKFILL AS REQUIRED BY PG&E SPECIFICATIONS, AND ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
9. PLACE TEMPORARY AND/OR PERMANENT PAVING IN ACCORDANCE WITH ANY LOCAL CITY, COUNTY OR STATE REQUIREMENTS.
10. USE #10 WIRE ON ALL MAINS AND SERVICES.

CONTACTS

TITLE	NAME	PHONE #
GAS ESTIMATOR	HARRY PASCUAL	(530) 889-3151
GAS A.D.E.	RICHARD RAULINO	(530) 889-3199
ESTIMATING SUPERVISOR	MARTY NEPPER	(530) 889-3252
LOCAL GAS A.D.E.	SERGIO TONARELLI	(209) 576-6663
T&R SUPERVISOR	STEVEN FRANKIEWICH	(209) 726-5523
CORROSION MECHANIC	STEVE BARNES	(209) 576-6665
LAND AGENT	PAUL SANSIBAUGH III	(209) 942-1650
PLANNER	JEFF PACE	(209) 576-6530
JOB REP	PAUL KAPLAN	(209) 932-2504

BILL OF MATERIAL

ITEM	MONITOR STAGE	REGULATOR STAGE	DESCRIPTION	SIZE	CODE	REFERENCE
1	40'		PIPE, STL, WRAPPED, API 5L GR B SMLS, 0.154" WT, 3/4"	3/4"	01-1036	A-15
2	0	1	REGULATOR, FISHER 627M, 3/4"	3/4"	03-2064	H-46.1
3	1	0	REGULATOR, FISHER 627, 3/4"	3/4"	03-2071	H-46.1
4		1	VALVE, TEE, MUELLER H-17656, 1"	1"	02-2445	C-11
5	1	1	HIGH PRESSURE REGULATOR, PRE-FABRICATION SET		M032119	H-10
6	1	0	BALL VALVE MARPAC, THREADED UNION ELDS	3/4"	03-4272	F-20
7						
8	1	0	NEEDLE VALVE, AGCO HSVDC-22/T, 1/4"F x 1/4"F OR EQUIVALENT	1/4"	03-5161	F-70
9						
10						
11		1	TEE, SOCKET WELD, FORGED STEEL	3/4"	02-2562	B-21
12	3	4	ELBOW, PIPE SOCKET WELD, 3,000 PSIG, FORGED STEEL	3/4"	02-2588	B-21
13						
14						
15	2	2	UNION, SOCKET WELD, FORGED STEEL, 3,000 PSIG, O-RING JOINT	3/4"	03-1319	N/A
16	1	1	BOX, PRECAST, CONCRETE, CHRISTY #B48	30" x 48"	04-0685	K-42
17	1	1	EXTENSION, 10", PRECAST, CONCRETE	30" x 48"	04-3164	K-42
18	1	1	LID, TWO-PIECE, STEEL, CHECKERED PLATE	30" x 48"	04-3174	K-42
19	1	1	VENT COVER, SCHEDULE 40 PVC	3" x 4"	04-0563	H-91
20	1	1	NIPPLE, PIPE ZINC, TBE, SEAMLESS, 4" LONG	1/2"	03-3669	B-13
21	1	1	BUSHING, PIPE, HEXAGONAL, CARBON STEEL, 6,000 PSIG	3/4"x1/2"	02-1218	N/A
22	1	0	BUSHING, SCREWED, STEEL	3/4"x1/4"	02-1284	N/A
23	1	0	MALE, CONNECTOR, GRIPLOC ISS G6 MC4	1/4"MX3/8" TUBING	02-1245	B-62
24	1	0	MALE OUTLET TEE, 3/8" x 3/8" TUBING, 1/4" MALE NPT	3/8"x1/4"	02-7392	N/A
25	TO SUIT		TUBING, STAINLESS STEEL, SEAMLESS	3/8"	01-1015	A-22
26	1		VALVE, 1200 PSI, STL NO-BLOW, 1" MUELLER H-17900	1"	03-5438	
27	2		CONCRETE COVER, GAS VALVE		04-3039	K-40
28	2		PLASTIC BODY, VALVE BOX		04-3498	K-40
29	2		PLASTIC EXTENSION, 10' LENGTH		01-6063	K-40
30	1		2" x 3/4" CONCENTRIC WELDING REDUCER	2"X3/4"	02-2181	B-20
31	20'		PIPE, 2" STL, WRAPPED, API 5L GR B SMLS, 0.154" WT.	2"	01-0147	A-15
32	1		VALVE, ANSI 150, KEROTEST WELDBALL, WELDEND	2"	03-4777	F-22
33	1		IPS, BUTT-WELD TRANSITION FITTING, STL TO PL	2"	02-9805	B-90

CO:
SD:
NOTIF.: 105315660
Other:
SHT: 1 OF 2
SHEETS
PM: 30854372
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ENGINEERING AND PLANNING DEPT.
393 SACRAMENTO STREET
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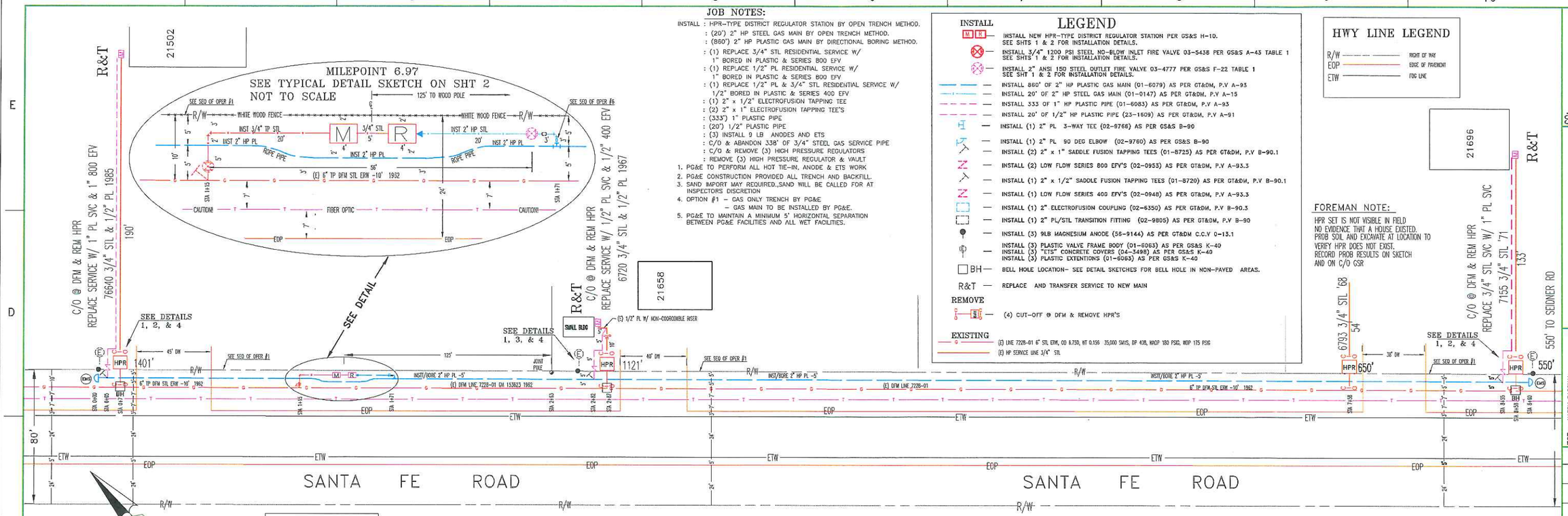
EST.: HARRY PASCUAL
ADE: RICHARD RAULINO
SUPV: MARTY NEPPER
REP: JOHN HUNTER
PLNR: JEFF PACE
SCALE: NONE
DATE: 05/15/12

NO.	DATE	DESCRIPTION	ORDER #	DWN	CHKD	SUPV	APVD	BY

REVISIONS

INSTALL 860 FT OF 2" HP PL MAIN
REPLACE (1) HPR W/ HPR DIST. REG. STA.
REMOVE (2) HPR'S AND TRANSFER (3) SVC'S
SANTA FE RD 550' N/O SEINDER RD
ESCALON, STANISLAUS COUNTY



JOB NOTES:

INSTALL : HPR-TYPE DISTRICT REGULATOR STATION BY OPEN TRENCH METHOD.
: (20') 2" HP STEEL GAS MAIN BY OPEN TRENCH METHOD.
: (860') 2" HP PLASTIC GAS MAIN BY DIRECTIONAL BORING METHOD.
: (1) REPLACE 3/4" STL RESIDENTIAL SERVICE W/ 1" BORED IN PLASTIC & SERIES 800 EFV
: (1) REPLACE 1/2" PL RESIDENTIAL SERVICE W/ 1" BORED IN PLASTIC & SERIES 800 EFV
: (1) REPLACE 1/2" PL & 3/4" STL RESIDENTIAL SERVICE W/ 1/2" BORED IN PLASTIC & SERIES 400 EFV
: (1) 2" x 1/2" ELECTROFUSION TAPPING TEE
: (2) 2" x 1" ELECTROFUSION TAPPING TEE'S
: (333') 1" PLASTIC PIPE
: (20') 1/2" PLASTIC PIPE
: (3) INSTALL 9 LB ANODES AND ETS
: C/O & ABANDON 338' OF 3/4" STEEL GAS SERVICE PIPE
: C/O & REMOVE (3) HIGH PRESSURE REGULATORS
: REMOVE (3) HIGH PRESSURE REGULATOR & VAULT

1. PG&E TO PERFORM ALL HOT TIE-IN, ANODE & ETS WORK
2. PG&E CONSTRUCTION PROVIDED ALL TRENCH AND BACKFILL.
3. SAND IMPORT MAY REQUIRED.,SAND WILL BE CALLED FOR AT INSPECTORS DISCRETION
4. OPTION #1 – GAS ONLY TRENCH BY PG&E
   – GAS MAIN TO BE INSTALLED BY PG&E.
5. PG&E TO MAINTAIN A MINIMUM 5' HORIZONTAL SEPARATION BETWEEN PG&E FACILITIES AND ALL WET FACILITIES.

LEGEND

INSTALL

- M R — INSTALL NEW HPR-TYPE DISTRICT REGULATOR STATION PER GS&S H-10. SEE SHTS 1 & 2 FOR INSTALLATION DETAILS.
- INSTALL 3/4" 1200 PSI STEEL NO-BLOW INLET FIRE VALVE 03-5438 PER GS&S A-43 TABLE 1 SEE SHTS 1 & 2 FOR INSTALLATION DETAILS.
- INSTALL 2" ANSI 150 STEEL OUTLET FIRE VALVE 03-4777 PER GS&S F-22 TABLE 1 SEE SHT 1 & 2 FOR INSTALLATION DETAILS.
- INSTALL 860' OF 2" HP PLASTIC GAS MAIN (01-6079) AS PER GT&DM, P.V A-93
- INSTALL 20' OF 2" HP STEEL GAS MAIN (01-0147) AS PER GT&DM, P.V A-15
- INSTALL 333 OF 1" HP PLASTIC PIPE (01-6083) AS PER GT&DM, P.V A-93
- INSTALL 20' OF 1/2" HP PLASTIC PIPE (23-1609) AS PER GT&DM, P.V A-91
- INSTALL (1) 2" PL 3-WAY TEE (02-9766) AS PER GS&S B-90
- INSTALL (1) 2" PL 90 DEG ELBOW (02-9760) AS PER GS&S B-90
- INSTALL (2) 2" x 1" SADDLE FUSION TAPPING TEES (01-8725) AS PER GT&DM, P.V B-90.1
- INSTALL (2) LOW FLOW SERIES 800 EFV'S (02-0953) AS PER GT&DM, P.V A-93.3
- INSTALL (1) 2" x 1/2" SADDLE FUSION TAPPING TEES (01-8720) AS PER GT&DM, P.V B-90.1
- INSTALL (1) LOW FLOW SERIES 400 EFV'S (02-0948) AS PER GT&DM, P.V A-93.3
- INSTALL (1) 2" ELECTROFUSION COUPLING (02-6350) AS PER GT&DM, P.V B-90.3
- INSTALL (1) 2" PL/STL TRANSITION FITTING (02-9805) AS PER GT&DM, P.V B-90
- INSTALL (3) 9LB MAGNESIUM ANODE (56-9144) AS PER GT&DM C.C.V 0-13.1
- INSTALL (3) PLASTIC VALVE FRAME BODY (01-6063) AS PER GS&S K-40
  INSTALL (3) "ETS" CONCRETE COVERS (04-3498) AS PER GS&S K-40
  INSTALL (3) PLASTIC EXTENTIONS (01-6063) AS PER GS&S K-40
- BH — BELL HOLE LOCATION- SEE DETAIL SKETCHES FOR BELL HOLE IN NON-PAVED AREAS.
- R&T — REPLACE AND TRANSFER SERVICE TO NEW MAIN

REMOVE

- (4) CUT-OFF @ DFM & REMOVE HPR'S

EXISTING

- (E) LINE 7228-01 6" STL ERW, OD 6.750, WT 0.156 35,000 SMYS, DF 408, MAOP 180 PSIG, MOP 175 PSIG
- (E) HP SERVICE LINE 3/4" STL

HWY LINE LEGEND

- R/W — RIGHT OF WAY
- EOP — EDGE OF PAVEMENT
- ETW — TOG LINE

FOREMAN NOTE:

HPR SET IS NOT VISIBLE IN FIELD.
NO EVIDENCE THAT A HOUSE EXISTED.
PROB SOIL AND EXCAVATE AT LOCATION TO VERIFY HPR DOES NOT EXIST.
RECORD PROB RESULTS ON SKETCH AND ON C/O GSR

WM/PS 3121-F3
CPA: 3120-01/F-007
MAOP: DIST- 60 PSIG
DFM- MAOP 180 PSIG
MOP 175 PSIG

CALL: 811
CALL BEFORE YOU DIG
USA
UNDERGROUND SERVICE ALERT
CALL: 811
CALL TWO WORKING DAYS BEFORE YOU DIG
TICKET NO: _____
DATE: _____
LAN ID: _____

1/2" PLASTIC PIPE INSPECTION/DATA

SDR _____
PIPE MANUFACTURER _____
DATE MANUFACTURED _____

1" PLASTIC PIPE INSPECTION/DATA

SDR _____
PIPE MANUFACTURER _____
DATE MANUFACTURED _____

2" PLASTIC PIPE INSPECTION/DATA

SDR _____
PIPE MANUFACTURER _____
DATE MANUFACTURED _____

SEQUENCE OF OPERATIONS

1. LAND DEPT TO STAKE R/W ON NORTH SIDE OF SANTA FE ROAD PRIOR TO CONSTRUCTION.
2. INSTALL TAPPING VALVE TEE, 3/4" FIRE VALVE AND HPR-TYPE DISTRICT REGULATOR STATION. AND 20' OF 2" HP STL AND DOWNSTREAM 2" FIRE VALVE.
3. PRESSURE TEST FIRE VALVE, HPR PIPING, REGULATOR & MONITOR SET, 2" HP STL MAIN DOWNSTREAM 2" FIRE VALVE.
4. TIE-IN HPR SET TO VALVE TEE AND PUT HPR IN NORMAL OPERATION.
5. INSTALL 860' OF 2" PLASTIC GAS MAIN AND PRESSURE TEST.
6. TIE-IN NEW 2" PL TO NEW HPR-TYPE DISTRICT REGULATOR STATION.
7. PURGE NEW 2" HP PL MAIN AND PUT MAIN IN NORMAL OPERATION..
8. REPLACE/ALTER & TRANSFER (3) SERVICES TO NEW 2" HP PL MAIN
9. CUT-OFF & REMOVE (3) HIGH PRESSURE REGULATOR SETS

DETAIL 1

TYPICAL ETS DETAIL
AS PER GT&D MANUAL
C.C.V 0-10

NOTE:
BRASS TAG LOC WIRES TO IDENTIFY CONNECTION SOURCE (TP OR HP)

PLASTIC VALVE FRAME BODY 01-6063 PER GS&S K-40
CONCRETE COVER (ETS) 04-3498 PER GS&S K-40
PLASTIC EXTENTION 01-6063 PER GS&S K-40
9LB MAG ANODE 56-9144 PER GT&DM C.C.V 0-13.1 EXTEND #10 LOC. WIRE UP INTO ETS BOX, DO NOT BOND
(2) #10 LEADS
#10 COPPER LOCATE WIRE
TP STL. MAIN
PL. MAIN
BOND (2) #10 WIRES TO STEEL MAIN & LOOP LEADS UP INTO ETS BOX, DO NOT BOND
EXTEND #10 LOCATING WIRE UP INTO ETS BOX, DO NOT BOND

INSTALL ETS FRAME & COVER @ 14' FROM EDGE OF PAVEMENT

DETAIL 2

INSTALL ETS CONNECTED TO STL MAIN AS PER G-T&D C.C.V 0-10 TYPE G
INSTALL 9 LB ANODE (56-9087) AS PER G-T&D C.C.V 0-13.1
SEE DETAIL 3
INST 1" HP PL
INST 1" EFV SERIES 800 (02-0953) AS PER GS&S B-90.3
INSTALL 2" HP PL
INST 4" EMS MARKER (37-4944) AS PER M-60
EMS
5'
INST SADDLE FUSION 2" X 1" TAPPING TEE (01-8725) AS PER G-T&D P.V. B-90.1
INSTALL 2" PLASTIC CAP (02-0578) AS PER G-T&D P.V. B-90.2

DETAIL 3

INSTALL ETS CONNECTED TO STL MAIN AS PER G-T&D C.C.V 0-10 TYPE G
INSTALL 9 LB ANODE (56-9087) AS PER G-T&D C.C.V 0-13.1
SEE DETAIL 3
INST 1/2" HP PL
INST 1/2" EFV SERIES 400 (02-0948) AS PER GS&S B-90.3
INSTALL 2" HP PL
INST SADDLE FUSION 2" X 1/2" TAPPING TEE (01-8720) AS PER G-T&D P.V. B-90.1

CATHODIC PROTECTION IN WORK AREA
ATTENTION FOREMAN:
NOTIFY THE CORROSION DEPT.
AT (209) 576-6665, 24 HOURS
PRIOR TO START OF WORK.

CATHODIC PROTECTION

CATHODIC PROTECTION LEVELS INSPECTED AS NOTED ON DRAWING ON EXISTING PROTECTED STEEL. ALL LEVELS SATISFACTORY PER PG&E

QUALIFIED EMPLOYEE _____ DATE _____

DETAIL 4

SANTA FE ROAD LOOKING NORTHWEST
TYPICAL SECTION AT DFM C/O & HPR REMOVAL

EOP — 14' — 10' — R/W

5'X5'X5' BELL HOLE IN DIRT AREA
APPROX. 1.5' WIDTH ASSUMED
CUT OFF SVC AT SVC TEE AND WELD STL SOCKET 3/4" 3000 PSI CAP CODE (02-2218) PER B-21 CUT OFF AND ABANDON 3/4" STL SVC
(E) DFM LINE 7228-01 6" STL ERW FM DP 408 PSIG MAOP 180 PSIG, MOP 175 PSIG
REMOVE HPR SET
SEE VAULT REMOVAL AND DEMOLITION NOTES ON SHT 1

PIPE WRAP REMOVAL

-For work on pre-1972 pipe, assume the wrap contains >1% asbestos until the wrap can be tested.
-Obtain samples of the wrap, and have samples tested for asbestos in accordance with RP 4711.
-Test results are to be included with as-builts.
-Follow procedure in RP 4711 for removal of pipe wrap.

PIPE TYPE: STEEL
YEAR INSTALLED: 1962

Welding Inspected per PG&E Gas Standard D-40
Visual ☐
Magnetic Particle ☐
Inspector _____

TEST STAMP

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

DURATION	INITIALS	DATE OF TEST

PLASTIC PIPE DATA

SIZE	MANUFACTURED	DATE OF MANUFACTURE	SDR
2" PL			

PROJECT CONDITIONS STAMP

Type(s) of Work:
☐ New Business
☒ PG&E Maintenance & Construction

Project Conditions:
☐ NONE APPARENT (if project design changes, contact ADE)
or
☒ CONDITIONS APPLY:
☒ PERMITS ☒ TAILBOARD ☒ OTHER
(Provide additional information on line below)
SEE DM3 FOR ENVIRONMENTAL REQUIREMENTS

BY: _____
SIGNATURE, NAME, [CORPORATE ID], DATE

CO:
SD:
NOTIF.: 105315060
Other:
SHT.: 2 OF 2
SHEETS
PM: 30854372
REV.

ENGINEERING AND PLANNING DEPT.
333 SACRAMENTO STREET
AUBURN, CA. 95603
PHONE #:530-889-3151 FAX #:530-889-3397
PG&E PACIFIC GAS AND ELECTRIC COMPANY

EST: HARRY PASCUAL
ADE: RICHARD RAULINO
SUPV: MARTY NEPPER
REP: JOHN HUNTER
PLNR: JEFF PACE
SCALE: 1"=30'
DATE: 05/15/12

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

INSTALL 860 FT OF 2" HP PL MAIN,
REPLACE (1) HPR W/ HPR DIST. REG. STA.
REMOVE (2) HPR'S & REPLACE (3) SVC'S
SANTA FE RD 550' N/O SEIDNER RD.
ESCALON, STANISLAUS, CO.