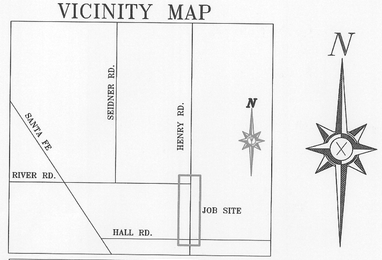
VICINITY MAP



WM/PS: 3121-G3 & 3121-G4
BTU X-03
E-ZONE-3
CPA F00007
DISTRIBUTION MAOP 60 PSIG.
DISTRIBUTION NOP 55 PSIG
TRANSMISSION MAOP 180 PSIG.
TRANSMISSION NOP 175 PSIG

ALL FIELD CHANGES REQUIRE APPROVAL FROM:		
KEY CONTACTS	NAME	PHONE
GAS ESTIMATOR	JARED PIMENTEL	916-386-5166
GAS ADE	MARK BILA	916-386-5468
PLANNING ENGINEER	JEFF PACE	209-576-6530
GAS DIST. ENGINEER	JOHN HUNTER	209-576-6630

RECAP

- INSTALL APPRX 1,200' OF 4"HP PL GAS MAIN
- ABANDON (6) HPR SETS
- (7) TOTAL SERVICES (ONE IS A BRANCH)
- CUT SVC RE-RUN AND INSERT 1/2" PL.(4)
- REPLACE (3) SERVICES WITH 1" PL. (ONE IS A BRANCH)
- REPLACE REG,MON AND VAULTS

GAS CLEARANCE REQUIRED
CONTACT T&R SUPERVISOR STEVE FRANKIEWICH AT 209-726-5523

NOTIFIED U.S.A.
DATE _____
TICKET # _____
BY _____

INSTALL INFORMATION:

SERVICE INSTALL INFORMATION:

-(4) 4"X4" ELECTROFUSION TEE GS&S B-90.3 PAGE 3 OF 6 CODE# 035613
-(4) EFV 400 GS&S A-93.3 PAGE 4 OF 8 CODE# 020948
-(3) 4"X1" ELECTROFUSION TEE GS&S B-90.3 PAGE 3 OF 6 CODE# 035614
-(3) EFV 800 GS&S A-93.3 PAGE 4 OF 8 CODE# 020953

RECAP DETAIL:

-219' OF 1" PLASTIC PIPE FOR SERVICE GS&S A-93 PAGE 4 OF 5 CODE #033929
-247' OF 1" PLASTIC PIPE FOR SERVICE GS&S A-93 PAGE 4 OF 5 CODE #016083
-1,200' OF 4" PLASTIC PIPE FOR MAIN GS&S A-93 CODE #016081
-(2) ANODES CODE# 569145

CONSTRUCTION NOTE:
NO EFV VALVES ON BRANCH OR MULTIPLE METER MANIFOLDS

CONSTRUCTION SHALL NOTIFY MAPPING WITHIN 24 HOURS OF ALL OPERATIONAL CHANGES TO MAINS, INCLUDING EVERY TIE-IN, CUT-OFF, UPRATE, ETC., PER U.O. STANDARD S4412.

TEST AT 100-110 PSI FOR MINIMUM OF 5 MIN.			
PRESSURE	DURATION	INITIALS	DATE OF TEST
PLASTIC PIPE INSPECTION DATA			
SIZE	MANUFACTURER		DATE OF MANUFACTURE

INSPECTION PER GS&S D-40 & D-21

Steel	Plastic Fusion
(Oxy) Welder: _____	Fusion By:_____
(Arc) Welder: _____	Inspected By:_____
Inspected by: _____	

ATTENTION FOREMAN
PRIOR TO STARTING JOB, CONSULT AREA CORROSION MECHANIC FOR LOCATING WIRE INSTALLATION AND CATHODIC PROTECTION REQUIREMENTS

ABANDON REG AND HPR PITS AFTER CUT, TEST & TRANSFER PER GS&S H-14AND UTILITY WORK PROCEDURE WP4100-11

1. THE PIPING OUTSIDE OF THE STRUCTURE SHALL BE CUT OFF AND SEALED.
2. REMOVE BOX
3. FILL AND COMPACT IN COMPLIANCE WITH LOCAL REGULATIONS.

METER LOCATIONS

1. ALL GAS METERS ARE TO BE IN COMPLIANCE WITH GS&S J-15.
2. PORTIONS OF ANY SERVICE PIPE UNDER A BUILDING PORCH OR OTHER STRUCTURE SHALL BE RELOCATED TO OUTSIDE OF THE STRUCTURE.
3. SERVICE REGULATOR VENTS MUST TERMINATE IN A SAFE LOCATION OUTLINED BELOW.
   - A MINIMUM CLEARANCE OF 18" BEYOND EITHER SIDE OF, AND 10' BELOW ANY PART OF, ANY AIR VENT OR OPENABLE WINDOW.
   - A MINIMUM LATERAL DISTANCE OF 3' FROM A FORCED AIR INTAKE OR ANY SOURCE OF IGNITION.
   - IN CASES WHERE THE VENT IS TO BE PLUMBED TO AN ACCEPTABLE LOCATION, INSTALL A 1" THREADED STEEL PIPE UP TO 30" PER GS&S H-93 & BULLETIN TD-H-60.4B-001.
   - IN CASES WHERE THE VENT CAN NOT BE PLUMBED TO AN ACCEPTABLE LOCATION, THE METER SET SHALL BE RELOCATED.
4. SMARTMETER OPERATING REQUIREMENTS. GAS METERS ARE NOT TO BE LOCATED IN THESE SITUATIONS.
   - IN ANY ROOM, CABINET, ENCLOSURE, OR CONFIGURATION THAT INTERFERES WITH THE RADIO FREQUENCY SIGNAL. EX. METAL CABINET.
   - WITH IN 6" OR LESS OF ANY METALLIC PIPE, CABLE, OR OBJECT THAT INTERFERES WITH THE RADIO FREQUENCY.
5. METER PROTECTION SHALL BE PROVIDED PER GS&S J-15.
6. TO PROVIDE WORKING SPACE AROUND ELECTRIC METER, NO PART OF ANY GAS METER CAN BE LOCATED WITHIN 10" OF A VERTICAL LINE THROUGH THE CENTER OF AN ELECTRIC METER.
7. REFER QUESTIONABLE CASES OF METER LOCATIONS TO THE SERVICE DEPARTMENT.

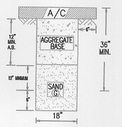
PROJECT CONDITIONS STAMP

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)

BY: _____ SIGNATURE, NAME, (CORPORATE ID), DATE

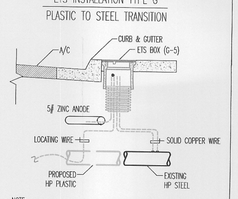
PG&E ONLY TRENCH



TRENCH CONFIGURATION IF OPEN TRENCH IS UTILIZED. BORING WILL BE ATTEMPTED BEFORE OPEN TRENCHING

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 DCS Standard D-S0443.
-Test results are to be included with as-builts.
-Follow procedure in DCS Standard D-S0443 for removal of pipe wrap.
PIPE TYPE: 4" HP STL
YEAR INSTALLED: 1931

ETS INSTALLATION TYPE G
PLASTIC TO STEEL TRANSITION



NOTE:
*BOND SOLID COPPER WIRES TO STEEL MAIN, SEE GS&S D-10
*BRING ALL WIRES AND WIRE CONNECTIONS INTO ETS, DO NOT BOND WIRES, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, D-10, FIG-2, TYPE G
*INSTALL ETS BOX BEHIND BACK OF CURB, SEE GS&S K-40.1
*CONTACT CORROSION DEPARTMENT FOR FINAL INSPECTION, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, D-16

GAS CONSTRUCTION NOTES:

1. ALL STEEL RISERS TO BE REPLACED WITH NON CORRODIBLE RISERS.
2. SEE GAS SERVICE RECORDS FOR SERVICE DETAILS
3. LOCATE/REMOVE ALL DRIP POTS PRIOR TO INSERT.
4. INSTALL PLASTIC MAIN & #10 LOCATION WIRE PER GS&S A-90, A-90.2, & A-93.
5. ALL WELDING TO BE DONE PER GS&S D-22.
6. INSTALL ANODES PER GS&S O-13.1, TYPE "E". ETS IS TYPE G PER O.10
7. WORK REQUIRED ON PRE 1972 STEEL PIPE. IF NEEDED, CONDUCT PIPE WRAP ASBESTOS TESTING.
8. INSTALL ELECTRONIC MARKER DEVICE ON ALL CUT-OFF ENDS AND SECTIONALIZING POINTS. TYPE OF MARKER TO BE DETERMINED BY DEPTH OF MAIN.
9. 30" MINIMUM REQUIRED OVER MAIN AND SERVICES IN STREET AREA.

CATHODIC PROTECTION
INSTALLATION TESTED OR INSPECTED AND NOTED ON DRAWING. ALL LEVELS SATISFACTORY PER PG&E GS&S O-16

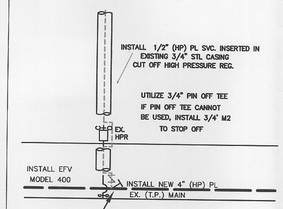
_____ _____
QUALIFIED EMPLOYEE DATE

CORROSION MECHANIC'S SIGNATURE IS REQUIRED WHEN A CPA BOUNDARY IS WITHIN THE SCOPE OF THE PROJECT.

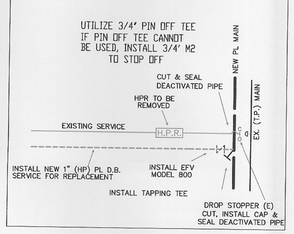
Installation Tested or Inspected and Noted on Drawing. All Levels Satisfactory per PG&E GS&S O-16

_____ _____
Qualified Employee Date
Corrosion mechanic's signature is required when a CPA boundary is within the scope of the project.

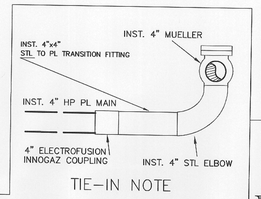
DETAIL #1 DEACTIVATE H.P.R.
UTILITY WORK PROCEDURE WP4100-11



DETAIL #2 DEACTIVATE H.P.R.
TYPYCAL DEACTIVATION DETAIL (REPLACEMENT)
SEE INDIVIDUAL GSR FOR SERVICE SPECIFIC INSTRUCTION
UTILITY WORK PROCEDURE WP4100-11



TIE-IN NOTE



MATERIAL LIST: FOR TIE IN

- INSTALL (1)4" STL BOTTOM TAP GS&S C-16.2 PAGE 2 OF 3 CODE #022742
- INSTALL (1)4" STL 90 DEGREE ELBOW GS&S B-20 2 OF 4 CODE # 022039
- INSTALL (1)4" X 4" STL TO PL TRNS FITTING PER GS&S B-90 CODE #029807
- INSTALL 4" X 4" ELECTROFUSION INNOGAZ COUPLING GS&S B-90.3 CODE #026352

EXIST PIPE SPECS	
HEADER SIZE:	2.375"
PIPE SPECS:	A.P.I. 5L GR B SMLS 35,000 SMYS
WALL THICKNESS:	0.154"
PRESENT MAOP:	180 PSIG
% SMYS @ MAOP:	3.97%

MAXIMUM ALLOWABLE PRESSURE DURING WELDING (G.S.&S. D-22)
EVALUATE THE FOLLOWING OPERATING PRESSURE LIMITATIONS TO DETERMINE THE MAXIMUM OPERATING PRESSURE PERMITTED DURING WELDING

A) (180 PSIG) WHEN WELDING ON BODY OF THE PIPE. UNLESS,

B) (908 PSIG) WHEN WELDING WITHIN 3" OF THE LONGITUDINAL SEAM (EXCEPT DSAW PIPE), THE CIRCUMFERENTIAL, AND ANY BRANCH WELD, OR WITHIN 3" OF ANY DEFECT (GOUGES, CORROSION, LAMINATIONS, ETC.) IN THE PIPE WHICH EXCEEDS 20% OF THE NOMINAL WALL THICKNESS IN DEPTH AND/OR 1/4 OF THE NOMINAL PIPE DIAMETER IN LENGTH.

1/2"PLASTIC PIPE INSPECTION/DATA

PIPE MANUFACTURER _____
DATE MANUFACTURED _____
PIPE FOOTAGE & SIZE _____
*SDR RATING 1/2"PL = 7
PE 2406 (YEL) ☐ PE 3408 (1/4" CTS)

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

1"PLASTIC PIPE INSPECTION/DATA

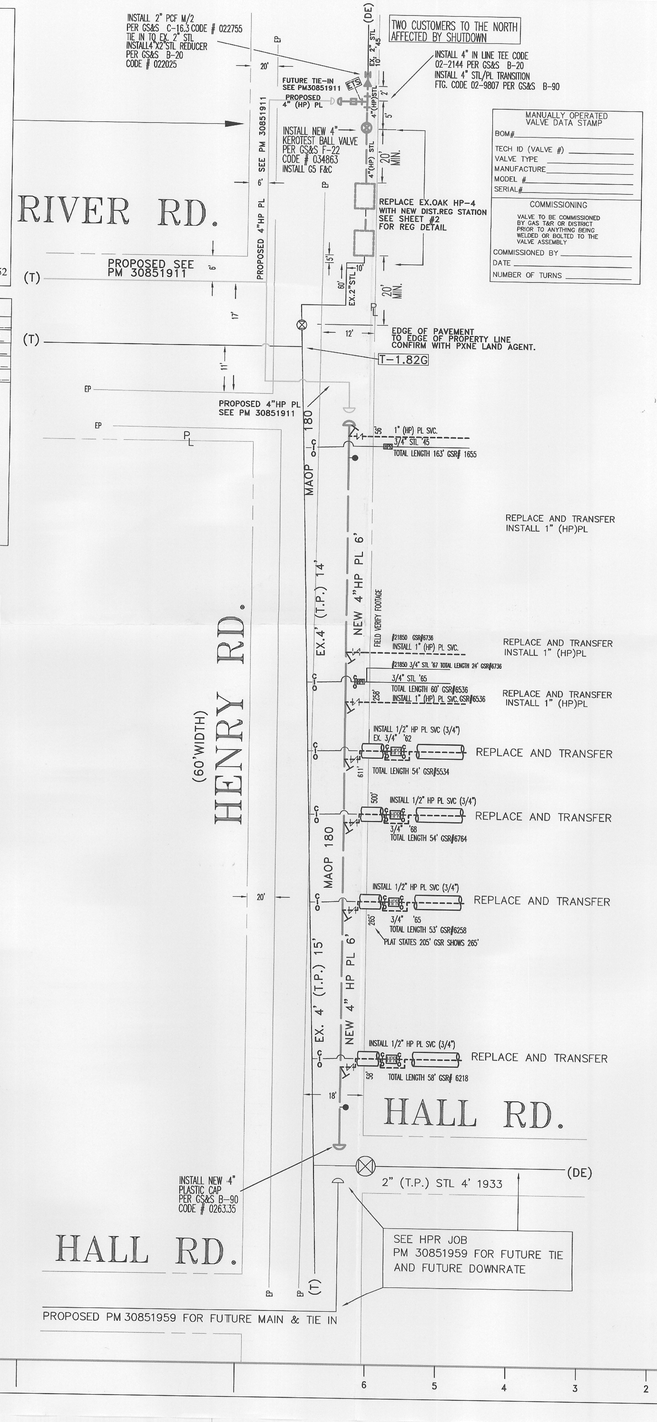
PIPE MANUFACTURER _____
DATE MANUFACTURED _____
PIPE FOOTAGE & SIZE _____
*SDR RATING 1"PL = 11.5
PE 2406 (YEL) ☐ PE 3408 (1/4" CTS) ☐

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

4"PLASTIC PIPE INSPECTION/DATA

PIPE MANUFACTURER _____
DATE MANUFACTURED _____
PIPE FOOTAGE & SIZE _____
*SDR RATING 4"PL = 13.5
PE 2406 (YEL) ☐ PE 3408 (1/4" CTS) ☐

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



ENGINEERING AND PLANNING DEPT.
5555 FLORIN PERKINS RD
SACRAMENTO CA 95826
PHONE #:916-386-5288 FAX #:916-386-5166
PG&E PACIFIC GAS AND ELECTRIC COMPANY

CO:
SD:
NOTIF.: 105311398
Other:
SHTS: 1 OF 2 SHEETS
PM: 30852363 REV. 0

EST: JARED PIMENTEL
ADE: GREG WHEATFILL
SUPV: BRIAN SWEENEY
REP: JUAN OCHOA
PLNR: JEFF PACE
SCALE: NTS
DATE: 08-29-11 PG&E

NO.	DATE	DESCRIPTION	ORDER #	DWN	CHKD	SUPV	APVD BY

REVISIONS

REMOVE 6 HPRS AND ALTER SERVICES
HENRY ROAD, ESCALON, CA

INCH 0 1