



**Pacific Gas and
Electric
Company**

VALVE MAINTENANCE RECORD FORM

(Make all entries in black or blue permanent ink)

DIVISION East Bay DISTRICT Central VALVE NO. B31

LOCATION (SKETCH ON BACK IF REQUIRED) Redacted SAP WM NO. 41280843

LINE/STATION NAME ~~UNK~~ N/A TRANSMISSION: EMERGENCY OTHER

OPER. OR WALL MAP 7 OPER. DIAG. OR PLAT A7 BLK. 31 DISTRIBUTION: STATION CRITICAL MAIN

VALVE DATA

SIZE 2" MAKE/MODEL UNK TYPE PLUG PRESS RATING UNK SERIAL NO. UNK USE ZONE
Ball, Plug, Gate PSIG MLV, BTU, Zone, Station, etc.

RECOMMENDED LUBRICANT/SEALANT 1033 LUBE/INSPECT FREQ. Annual Gearbox Breather (Bettis) Installed? YES NO NA
Brand/Type or NA Annual, Monthly, Other

RECOMMENDED STEM PACKING MATERIAL ~~UNK~~ 1033 High-Head Extension Vent Installed? YES NO NA
Brand/Type or NA

ACTUATOR TYPE Manual Lever
Manual Lever, Exposed Gearing (no gearbox), Enclosed Gearing, Power Actuated

COMMENTS OPEN

* Manual gearbox filled with oil? YES NO
 90 Wt to 140 Wt Oil Grand Slam Grease
Drained? YES NO

Wrench (Key) Size: 1 Quarter Turn Multi-Turn (Gate Valve or Plug / Ball Valve w/Gear box) Number of Turns:

** Enter Service History on next page.

Handwritten notes:
WRENCH
CAND

SB_GT&S_0504744



VALVE MAINTENANCE RECORD FORM Line / Station Name:

(Make all entries in black or blue permanent ink) Valve Number: B-31

SERVICE HISTORY (see notes)

DATE MM/DD/YY	INITIAL LAN ID	VERIFY VALVE NUMBER Y/N	INSPECT Y/N	LUBE (if req'd) Y/N or N/A	OPERATE Y/N F/P	VALVE POSITION As Found As Left	REPAIRS REQUIRED (if any)	ACTION TAKEN (if required)	REPAIRED DATE MM/DD/YY INITIAL - LAN ID	REVIEWED DATE MM/DD/YY INITIAL - LAN ID
5-22-09	Redacted	Y	Y	Y	Y/P	OPEN OPEN				
6-5-10		Y	Y	Y	Y/P	O O				
5-27-11		Y	Y	Y	Y/P	O O				
6-25-12		Y	Y	Y	N N/A	O O	*STEM ROUNDED OFF COULD NOT MOVE CORRECTIVE TO WASG VALVE FIXED ON REPLACED	valve replaced by D.C. 6-26-12		
5-12-13		Y	Y	Y	Y/F	O O				

NOTES: 1) Use Y/N for yes/no to indicate item performed and completed. 2) "LUBE" pertains to lubrication of the ball or plug. 3) "OPERATE" means to partially operate as a minimum.
4) Use F/P to indicate Full or Partial Operation. 5) Valve positions = C (closed), O (open), T (throttling)

LAND RIGHTS

1) CITY OF OAKLAND PERMIT REQUIRED

WORK RECAP

- 1) PG&E TO TRENCH AND BACKFILL
- 2) PG&E TO REMOVE (1) 2" ZONE VALVE B31
- 3) PG&E TO INSTALL (1) 2" STEEL BALL VALVE ON 2" SHP GAS MAIN.

SEQUENCE OF OPERATIONS

- 1) INSTALL (4) SAVE-A-VALVES AS SHOWN - GAUGE.
- 2) INSTALL (2) 2" LINE STOPPERS AS SHOWN.
- 3) DROP PLUGGERS.
- 4) BLOW DOWN.
- 5) CHECK GAUGES.
- 6) REMOVE EXISTING VALVE (B31) EXTENSION & FRAME.
- 7) TEST 2" GRB SMLS 0.154 WT.
- 8) PUP VALVE USING 2" GRB SMLS 0.154 WT.
- 9) INSTALL ASSEMBLY AS SHOWN.
- 10) RAISE PLUGGERS.
- 11) RETURN LINE TO SERVICE.

CONSTRUCTION NOTES

- 1) PURGE GAS FACILITIES PER GS&S A-38.
- 2) INSTALLATION
INSTALL DIRECT BURIAL PLASTIC MAINS & SERVICES PER GAS STANDARD A90 - A91.2, A93-A93.1 AND D21. INSTALL PLASTIC MAIN & SERVICE INSERT PER GAS STANDARDS A90.1-A90.3, A91.2-A93.1 AND D21.
- 3) WELDING REQUIREMENTS
ALL ARC WELDING IS TO BE PERFORMED IN ACCORDANCE WITH GAS STANDARD D-22
- 4) HYDROSTATIC TEST REQUIREMENTS
HYDROSTATIC TESTING SHALL MEET PRESSURE AND DURATION REQUIREMENTS OF GAS STANDARD A-34, AND SHALL BE CONDUCTED IN ACCORDANCE WITH GAS STANDARD A-37. SEE ATTACHED STPR.
- 5) PAINTING AND COATING REQUIREMENTS
ALL EXPOSED PIPE AND FITTINGS ARE TO BE PAINTED ACCORDANCE WITH GAS STANDARD E-30.
ALL COATING ON BURIED PIPE AND FITTINGS ARE TO BE APPLIED IN ACCORDANCE WITH GAS STANDARD E-35. FOR COATING SELECTIONS ON BURIED PIPE, SEE DIRECT BURIAL SELECTIONS TABLE.
- 6) CALL USA AT LEAST TWO WORKING DAYS PRIOR TO EXCAVATION (811).
- 7) LOCATION OF EXISTING SUBSTRUCTURES ARE APPROXIMATE. BEFORE POWER OR HEAVY EQUIPMENT IS USED FOR EXCAVATION, THE EXACT DEPTH AND LOCATION OF SUBSTRUCTURES SHALL FIRST BE DETERMINED BY HAND EXCAVATION, IF NECESSARY.
- 8) CLEARANCE
THIS PIPELINE MUST BE INSTALLED WITH AT LEAST 12 INCHES OF CLEARANCE FROM ANY OTHER UNDERGROUND STRUCTURE NOT ASSOCIATED WITH THE PIPELINE.
- 9) COATING REMOVAL
BEFORE REMOVING THE PIPE COATING ON PRE-1972 PIPE (DOES NOT INCLUDE PLASTIC TAPE OR FUSION BONDED EPOXY COATINGS) THE FOLLOWING STEPS SHALL BE TAKEN:
-FOR ALL NON-EMERGENCY WORK, PRE-1972 PIPE WRAP MUST BE EVALUATED TO DETERMINE IF IT CONTAINS ASBESTOS PRIOR TO REMOVAL.
-FOR EMERGENCY 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: _____
YEAR INSTALLED: _____

ASSETS TO BE RETIRED

(1) 2" VALVE - GM 113276 1952

REFERENCE DRAWING

GM 113276 1952 - INSTALLING GM

CONTACT INFORMATION:

T&R SUPERVISOR	Redacted
SR GAS ENGINEER	
GAS PLANNER	
PROJECT MANAGER	
CORROSION MECHANIC	
GAS ESTIMATOR	
GAS ADE	
ESTIMATING SUPERVISOR	

TEST AT 100-110 PSI FOR MINIMUM OF 5 MIN.			
PRESSURE	DURATION	INITIALS	DATE OF TEST
		N/A	

PLASTIC PIPE DATA		
SIZE	MANUFACTURED	DATE OF MANUFACTURE

LEGEND

- P/L — Property Line
- F.O.C — Face Of Curb
- Existing Main (SIZE NOTED)
- ⊗ Existing Zone Valve (REPLACE)
- M PCF (EXISTING)

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: _____
YEAR INSTALLED: _____

Welding Inspected per PG&E Gas Standard D-40

Visual.....
Magnetic Particle.....
Inspector: Redacted
Date: 6/26/2013

ATTENTION FOREMAN

Prior to starting job, consult area Corrosion Mechanic for locating wire installation and Cathodic protection requirements:

ATTENTION CORROSION MECHANIC

Cathodic Protection Levels Inspected as Noted on Drawing on Existing Protected Steel. All Levels Satisfactory per PG&E GS&S 0-16

Qualified Employee _____ Date _____

PG&E CODE	ITEM NO.	QNTY	DESCRIPTION	CATALOG OR DWG REFERENCE	OTHER DATA
031435	1	1	2" STEEL BROEN BALLOMAX FLOATING BALL VALVE	F-24	
022452	2	4	1" MUELLER, SAVE-A-VALVE NIPPLE	C-14	
016063	3	1	VALVE BOX EXTENSION	K-41	
043271	4	1	FRAME	K-41	
446213	5	1	"VALVE" COVER	K-41	
022755	6	2	MUELLER, 2" WELDED LINE STOPPER FITTING, H-17190	C-16.3	
011578	7	5'	2" GRB SMLS STEEL PIPE 0.154 WT	A-15	

SPECIAL INSTRUCTION

- 1) CONTACT T&R SUPERVISOR (Redacted) TO ENSURE THAT AN M&C MECHANIC CAN BE ON-SITE DURING VALVE INSTALLATION TO CAPTURE ALL THE VALVE SPECIFICATION NEEDED TO COMPLETE THE NEW VALVE MAINTENANCE CARD AND BRING THE NEW VALVE IN SERVICE.
- 2) CONTACT Redacted GAS PLANNING ENGINEER PRIOR TO TAKING SECTION OF 2" GAS MAIN OUT OF SERVICE TO CONFIRM IF A BY-PASS IS NEEDED.

Redacted

ENVIRONMENTAL PROJECT CONDITIONS

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

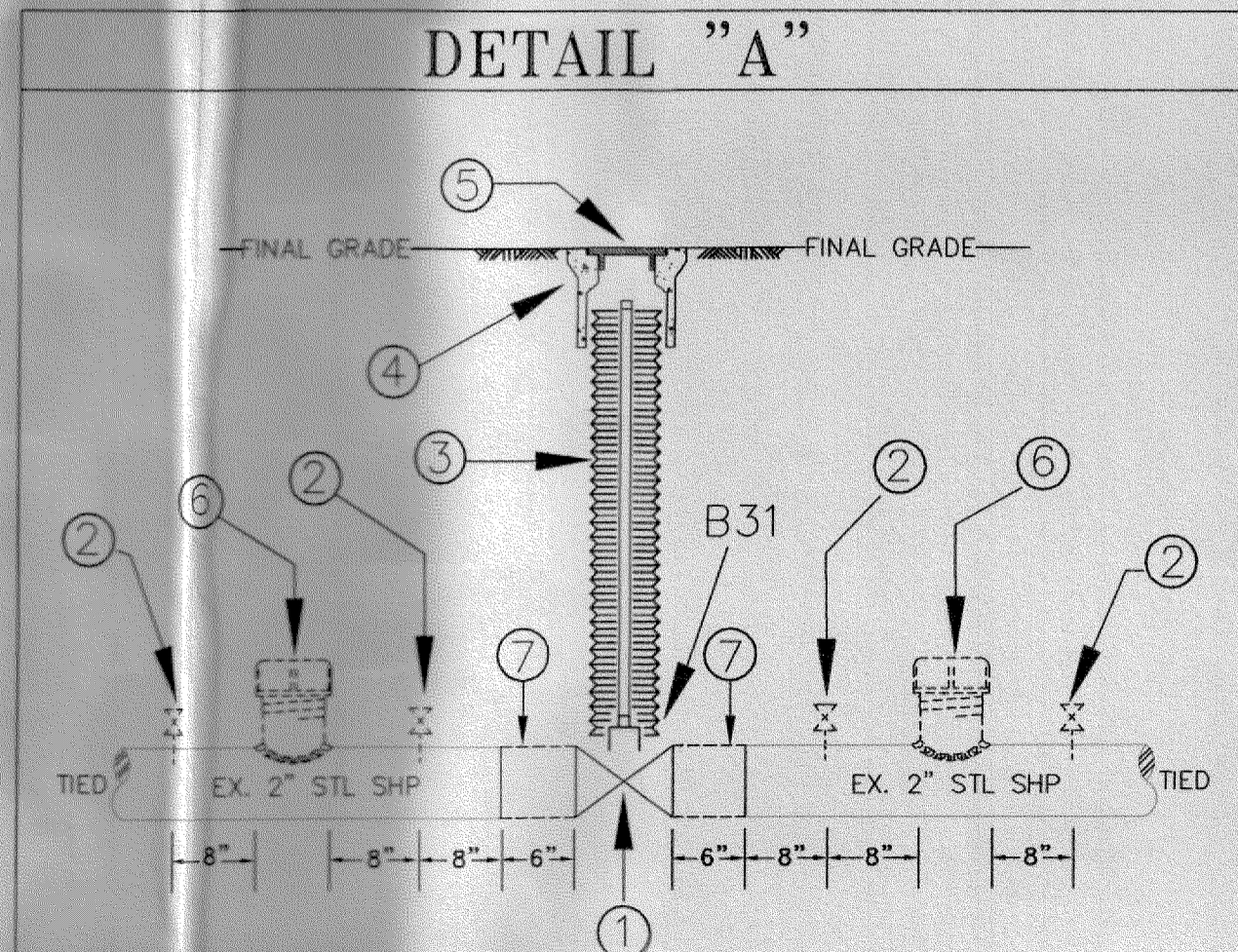


CALL TWO WORKING DAYS BEFORE YOU DIG
 TICKET NO: 23020
 DATE: 4-18-13
 BY: Redacted

COPY

VALVE INFO

VALVE TYPE: BALL VALVE
 MANUFACTURER: KEROTEST
 SERIAL NUMBER: #A
 PRESSURE RATING: ANSI 150
 KEY SIZE: STEM 18-8



- PROPOSED WORK:**
- DIG A 8' X 6' BELL HOLE AROUND EX. 2" SHP GAS MAIN
 - INSTALL 2 NEW MUELLER LINE STOPPER FITTINGS AND 4 NEW SAVE-A-VALVE NIPPLES
 - REMOVE EXISTING 2" STEEL VALVE
 - INSTALL NEW 2" STEEL BALL VALVE

ENGINEERING AND PLANNING DEPT.
 6121 BOLLINGER CANYON RD BLDG Z1
 SAN RAMON, CA 94583
 PHONE # 925-444-3068 FAX # 925-244-3303
 PG&E PACIFIC GAS AND ELECTRIC COMPANY

CO: _____ SD: 10600661
 Other: _____
 SHEETS: 1 OF 1
 REV. 30933959

DATE: 1/7/12
 SCALE: 1"=30'

EST: _____ ADE: _____ SUPV: _____ REP: _____ PLNR: _____
 ORDER # _____ DWG CHKD SUPV: _____ APVD BY: _____
 NO. _____ DATE _____ DESCRIPTION _____ REVISIONS _____

REPLACE ZONE VALVE B31
 OAKLAND, CA 94611

GC Gas As-Build