CUT-OFF AND DEACTIVATE ALL GAS FACILITIES AS PER WP4100-11

1. INST. 4"x6" PL. REDUCER (02-7992), 6" PL. ELBOW (02-7973), 4" ELECTROFUSION COUPLING (02-1638) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME. TIE LOCATING WIRE.
2. N/A
3. INST. 4" PL. PURGE CAP (02-0582) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME.
4. INST. 6" PL. 3-WAY TEE (02-7972), 6" PL. 45 ELBOWS (02-7990), 6" ELECTROFUSION COUPLINGS (02-1638) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME.
5. INST. E.T.S. AS PER GAS T&D MANUAL CORROSION CONTROL VOLUME 0-10: PAGE 4, FIGURE 2.
6. INST. CASING VENT AS PER G.S.&S. A-70. LAND TO AQUIRE 5'x10' R/W REQUIRED FOR VENT.
7. INST. 3" MUELLER LINE STOPPER W/BOTTOM CONNECTION (02-2741) AS PER G.S.&S. C-16.2, 3" WELD ELBOW (02-2103), 6"x3" WELD REDUCER (02-2189), 3" WELD CAP (02-2078) AS PER G.S.&S. B-20, 6" PLASTIC TO STEEL TRANSITION FITTING (02-7993), 6" PL. ELBOW (02-7973), 6" ELECTROFUSION COUPLING (02-1638) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME. BOND LOCATING WIRE.
8. INST. EMS MARKER (37-4944) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: DAMAGE PREVENTION VOLUME, M-60.
9. INST. 6"X4" PL. REDUCER CODE (02-7992), (2) 6" PL. ELBOWS CODE (02-7973) AND 6" ELECTROFUSION COUP. CODE (02-1638) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME. TIE LOCATING WIRE.
10. INST. 6" PL. ELBOW CODE (02-7973) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME.
11. INST. 6" PL. 3-WAY TEE CODE (027972), 6"x4" PL. REDUCER CODE (02-7992), 4"x2" PL. REDUCER CODE (03-3947), 6" ELECTROFUSION COUP. CODE (02-1638), 2" ELECTROFUSION COUP. CODE (02-6350) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME. TIE LOCATING WIRE.
12. INST. 6"x2" PL. HIGH-VOLUME TAPPING TEE CODE (03-0600), (2) 2" PL. ELBOWS CODE (02-9760), 2" ELECTROFUSION COUP. CODE (02-6350), 2" PL. CAP CODE (02-9772) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME. TIE LOCATING WIRE.
13. INST. 6" PL. ELBOW CODE (02-7973) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME.
14. INST. 2" MUELLER LINE STOPPER CODE (02-2755) AS PER G.S.&S. C-16.3, 2" WELD CAP CODE (02-2077) AS PER G.S.&S. B-20,
15. INST. 3" MUELLER LINE STOPPER WITH BOTTOM CONNECTION CODE (02-2741) AS PER G.S.&S. C-16.2, (2) 3" WELD ELBOW CODE (02-2103), 6"x3" WELD REDUCER CODE (02-2189) AS PER G.S.&S. B-20, 6" PLASTIC TO STL. TRANSITION FITTING CODE (02-7993), 6" ELECTROFUSION COUP. CODE (02-1638) AS PER TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME.
16. INST. 6" PLASTIC VALVE CODE (01-9971), PE VALVE EXTENSION CODE (03-3948) AS PER GS&S F-90, 16" VALVE COVER/CAST IRON CODE (04-3043), CASING 16" I.D. NO. 12 GAUGE STEEL PIPE CODE (04-3480), 16" I.D. CORRUGATED PLASTIC DRAINAGE TUBING CODE (01-6055).
17. INST. 6" PL. 3-WAY TEE CODE (027972) AS PER GAS TRANSMISSION AND DISTRIBUTION MANUAL: PLASTIC VOLUME. TIE LOCATING WIRE.

LEGEND

- EXISTING HP GAS MAIN
- EXISTING GAS SERVICE
- PROPOSED HP PLASTIC GAS MAIN
- PROPOSED GAS SERVICE PIPE
- INSTALL 5# ZINC ANODE
- EMS — ELECTRONIC MARKER BALL
- EXCESS FLOW VALVE
- E — E.T.S. AS SHOWN ON DRAWING

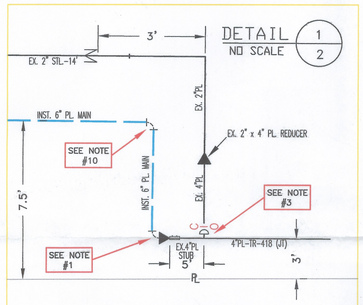
N

WM/PS 3062-I1, I2, J1, J2
CPA 306203
ZONE 16-MA-01-B
TBA X-03
MAOP DIST. 60 PSI

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

VICINITY MAP
N.T.S.

PLASTIC PIPE INSPECTION/DATA
FOOTAGE, SIZE & SDR ____/____
PIPE MANUFACTURER ____
DATE MANUFACTURED ____
☐ PE 2406 (YEL) ☐ PE 3408 (1/4" CTS)
FOOTAGE, SIZE & SDR ____/____
PIPE MANUFACTURER ____
DATE MANUFACTURED ____
☐ PE 2406 (YEL) ☐ PE 3408 (1/4" CTS)
FOOTAGE, SIZE & SDR ____/____
PIPE MANUFACTURER ____
DATE MANUFACTURED ____
☐ PE 2406 (YEL) ☐ PE 3408 (1/4" CTS)
LIST ALL PLASTIC PIPE BY FOOTAGE, SIZE, MANUFACTURE, SDR AND DATE MANUFACTURED PER STANDARD A93.1



ENVIRONMENTAL ISSUES
☒ NONE APPARENT (IF PROJECT DESIGN CHANGES, CONTACT ADE)
☐ BASED ON APPLICANT/DEVELOPER-SUPPLIED PLANS
☐ PERMITS ☐ TAILBOARD ☐ OTHER
☐ APPLICANT DESIGN/RESPONSIBILITY (CHECK PERMITS BOX IF PERMIT CONDITIONS APPLY TO PG&E ACTIONS.)
SIGNATURE, (CORPORATE ID), DATE

NOTIFY CORROSION DEPT. @ START OF CONSTRUCTION
Cathodic protection levels inspected as noted on drawing on existing protected steel. All levels satisfactory per PG&E Gas T&D Manual Corrosion Control Volume, 0-16.
Qualified Employee ____ Date ____
MILLI VOLTS
☐ RISER ☐ VALVE ☐ SERVICE ☐ MAIN
READING ____

RECAP

- INSTALL 461' OF 2" HP PL GAS MAIN
- INSTALL 7800' OF 6" HP PL GAS MAIN
- DEACTIVATE 1229' OF 2" STL. MAIN
- DEACTIVATE 5350' OF 3" STL. MAIN

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

PLASTIC PIPE DATA		
SIZE	MANUFACTURED	DATE OF MANUFACTURE

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 WP-4711-01.
- Test results are to be included with as-builts.
- Follow procedure in RP 4711 for removal of pipe wrap.

PIPE TYPE: 3/4" STEEL
YEAR INSTALLED: 1951,52,53,54,55,62,70

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 WP-4711-01.
- Test results are to be included with as-builts.
- Follow procedure in RP 4711 for removal of pipe wrap.

PIPE TYPE: 2" STEEL
YEAR INSTALLED: 1951, 52, 62

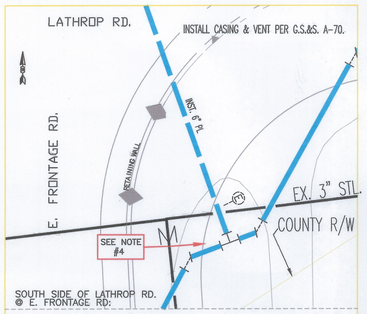
PIPE WRAP REMOVAL
- For work on pre-1972 pipe, assume the wrap contains >1% asbestos until the wrap can be tested.
- Obtain samples of the wrap, and have samples tested for asbestos in accordance with WP-4711-01.
- Test results are to be included with as-builts.
- Follow procedure in RP 4711 for removal of pipe wrap.

PIPE TYPE: 3" STEEL
YEAR INSTALLED: 1951, 52

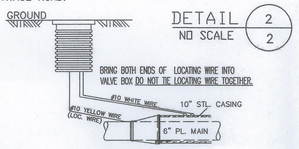
INSTALL DIRECT BURIAL PLASTIC MAINS AND SERVICES PER GS&S A-90, A-90.2, A-93, A-93.1, A-93.3 & D-21.
INSTALL INSERT PLASTIC MAINS & SVCS. PER GS&S A-90, A-90.3, A-93, A-93.1, A-93.3 & D-21.

Welding Inspected Per PG&E Gas Standard D-40
Visual ..... ☐
Magnetic Particle ..... ☐
Inspector ____
Date ____

Safety
SAFETY PLEDGE
I ALWAYS PUT SAFETY FIRST.
I LOOK FOR AND ACT TO RESOLVE UNSAFE CONDITIONS.
I HELP AND ENCOURAGE OTHERS TO ACT SAFELY.



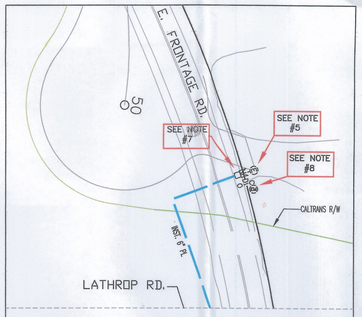
ETS DETAIL FOR SOUTH SIDE LATHROP ROAD & EAST FRONTAGE ROAD:



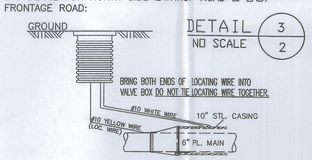
E.T.S. NOTE:
*BOND SOLID COPPER WIRES TO STEEL CASING, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10 *BRING ALL WIRES INTO ETS,

DO NOT BOND WIRES, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10, FIG-2, TYGE G.

*CONTACT CORROSION DEPARTMENT FOR FINAL INSPECTION, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-16



ETS DETAIL FOR NORTH SIDE LATHROP ROAD & EAST FRONTAGE ROAD:

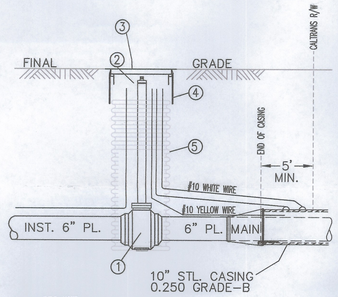


E.T.S. NOTE:
*BOND SOLID COPPER WIRES TO STEEL CASING, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10 *BRING ALL WIRES INTO ETS,

DO NOT BOND WIRES, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10, FIG-2, TYGE G.

*CONTACT CORROSION DEPARTMENT FOR FINAL INSPECTION, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-16

DETAIL 4/6
NO SCALE
INSTALL CASING & VENT PER G.S.&S. A-70.

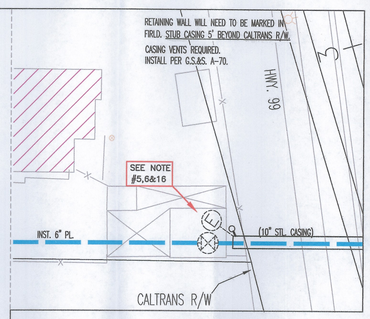


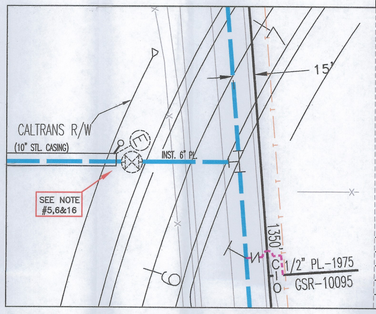
E.T.S. NOTE:
*BOND SOLID COPPER WIRES TO STEEL CASING, SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10 *BRING ALL WIRES INTO VALVE BOX.

DO NOT BOND WIRES IN E.T.S., SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10, FIG-2, TYGE G.

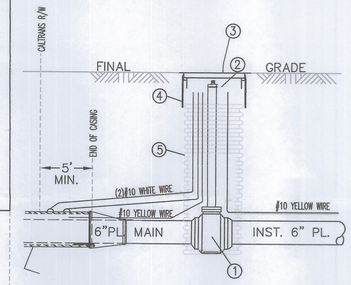
*CONTACT CORROSION DEPARTMENT FOR FINAL INSPECTION.

PG&E CODE	ITEM NO.	QTY.	DESCRIPTION	STANDARD
01-9971	1	1	VALVE: 6" PLASTIC FUSION	G.S.&S. F-90
03-3948	2	1	PE VALVE EXTENSION	G.S&S. F-90
04-3043	3	1	VALVE COVER: 16" VALVE COVER - CAST IRON	G.S.&S. K-31
04-3480	4	16"	CASING: 16" I.D. NO. 12 GAUGE STEEL PIPE	G.S.&S. K-31.1
01-6065	5	36"	CASING: 16" I.D. CORRUGATED PLASTIC DRAINAGE TUBING	G.S.&S. K-31.1





DETAIL 5/6
NO SCALE
INSTALL CASING & VENT PER G.S.&S. A-70.



E.T.S. NOTE:
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DO NOT BOND WIRES IN E.T.S., SEE GAS T&D MANUAL CORROSION CONTROL VOLUME, 0-10, FIG-2, TYGE G.

*CONTACT CORROSION DEPARTMENT FOR FINAL INSPECTION.

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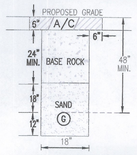
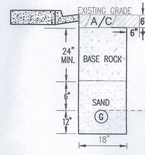
03-3948	2	1	PE VALVE EXTENSION	G.S&S. F-90
04-3043	3	1	VALVE COVER: 16" VALVE COVER - CAST IRON	G.S.&S. K-31
04-3480	4	16"	CASING: 16" I.D. NO. 12 GAUGE STEEL PIPE	G.S.&S. K-31.1
01-6065	5	36"	CASING: 16" I.D. CORRUGATED PLASTIC DRAINAGE TUBING	G.S.&S. K-31.1

SEE SHEET 7 OF 7 FOR BORE/TRENCH DEPTH FROM STATION 99+80 TO 120+25

TRENCH BACKFILL IN EXISTING STREETS



TRENCH BACKFILL ON BIRCHWOOD ST. & CRESTWOOD AVE.



CO:
SD:
NOTIF.: 105376962
Other:
SHT: 1 of 7 SHEETS
PM: 30865680 REV.

ENGINEERING AND PLANNING DEPT.
850 STILLWATER ROAD
WEST SACRAMENTO, CA 95605
PHONE #: FAX #:
PG&E PACIFIC GAS AND ELECTRIC COMPANY

EST: W. TIPTON 916-760-1988
ADE: P. STORMENT 916-760-1962
SUPV: B. RICE 916-760-1957
REP: D. HELLIER 916-408-3265
PLNR: D. RYMERS 209-942-1628
SCALE: 1"=50' DATE: 02-27-2012

NO.	DATE	DESCRIPTION	ORDER #	DWN	CHKD	SUPV	APV'D BY

REVISIONS

HWY. 99 @ LATHROP ROAD
MANTECA, CA
INSTALL 7800' OF 6" PL. GAS MAIN
AND 461' OF 2" PL. GAS MAIN

PS-1201974

1-7