XS.08.2647

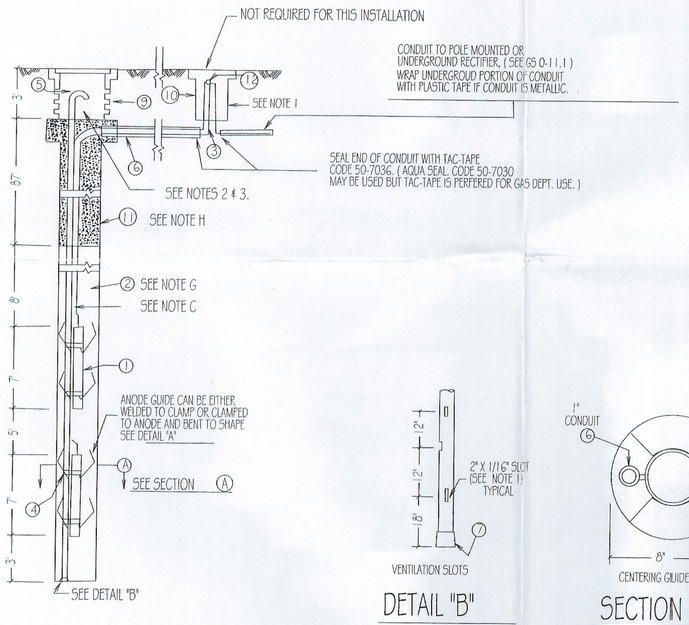
ITEM	QUANT	MATERIAL FOR DEEP WELL ANODES DESCRIPTION	CODE NO.
1	3	ANODES 3" X 84" DURICHLOR 51 TYPE TA-3 WITH	56-9353
		125' #8 HMWPE WIRE	
2	1665	COKE BREEZE BACKFILL 25 OHMOCM OR LESS	56-9086
3	AS REQ'D	WIRE #10 AWG RHW&N OR HMWPE	29-4376
4	6	PIPE CLAMPS AND CENTERING GUIDE	
5	3	1" ABS PLASTIC 180 DEGREE TURN	
6	140'	1" ABS PLASTIC DUCT TYPE DB	36-0469
7	1	1" TEMP PLASTIC CAP	
8	30	PLASTIC TIE LOCKS	
9A	1	VALVE FRAME } SEE GAS STD K41	
9B	1	12" EXTENSION } SEE GAS STD K41	
9C	1	VALVE BOX COVER } SEE GAS STD K41	
10	1	TEST LEAD BOX, SEE GAS STD 0-10.1	
11	AS REQ'D	CONCRETE	
12	1	SPLICE ANODE WIRE, SEE GAS STD 0-12	

INSTALLATION PROCEDURE NOTES:

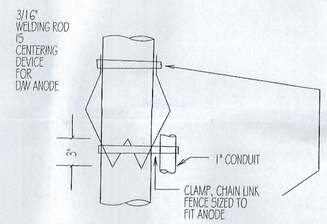
A. DRILL A 8" DIAMETER HOLE 150 FT DEEP AT CHOSEN LOCATION.
B. ASSEMBLE ANODES AND 1" DUCT AS SHOWN-OBSERVE SPACING.
C. TAPE OR STRAP ANODE WIRE TO THE OUTSIDE OF THE VENT PIPE EVERY 4 FT.
D. NOTIFY THE RESPONSIBLE DISTRICT OR DIVISION ENGINEER WHEN ANODES ARE TO BE INSTALLED SO THAT HE OR A CORROSION MECHANIC CAN BE PRESENT.
E. WHEN USING MUD TO SUPPORT THE WALLS OF THE HOLE, THIN MUD OUT WITH CLEAR WATER PRIOR TO INSTALLING COKE BREEZE.
F. LOWER ASSEMBLED ANODE STRING AND 1" DUCT INTO HOLE USING SUITABLE LINE. UNTILL CONTACT WITH BOTTOM IS MADE. BE CAREFUL WITH ANODE LEAD WIRES.
G. HOLD ANODES IN POSITION AND KEEP WIRES TAUT WHILE POURING IN 600 LBS. OF COKE BREEZE. MEASURE DEEPTH TO TOP OF COKE BREEZE. TOP OF COKE BREEZE COLUM SHALL BE 90' FROM SURFACE. ADD COKE BREEZE AS REQUIRED.
H. FILL HOLE WITH CONCRETE. (CLASS B MIX-5 SACKS OF PORTLAND CEMENT PER CUBIC YARD.)
I. SEE GAS STANDARD 0-10.1 FOR TEST LEAD BOX OPTIONS. LOCATE NEAR BASE OF POWER POLE. WIRES MAY ALSO BE SPLICED INSIDE UNDERGROUND RECTIFIER CONCRETE BOX (GS 0-11.1).
J. ALL WORK SHALL BE DONE IN ACCORDANCE WITH DEPT. OF WATER RESOURCES BULLETIN, WATER WELLS & CATHODIC PROTECTION WELLS (SEE 13700-13806 CALIF. WATER CODE).

NOTE:

1. SLOTS FOR VENTILATION OF CHLORINE GAS SHALL BE INSERTED IN THE LOWER 30' OF THE 1" ABS DUCT. EACH SLOT SHALL BE ROTATED 90 DEGREES FROM THE PREVIOUS SLOT. CUT SLOT WITH CIRCULAR SAW.
2. INSTALL WATER TIGHT SEAL ON FRAME & COVER.
3. INSTALL WATER CHECK VALVE & INSECT SCREEN



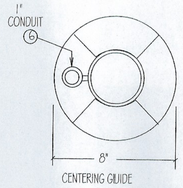
GAS STD. 0-13.2



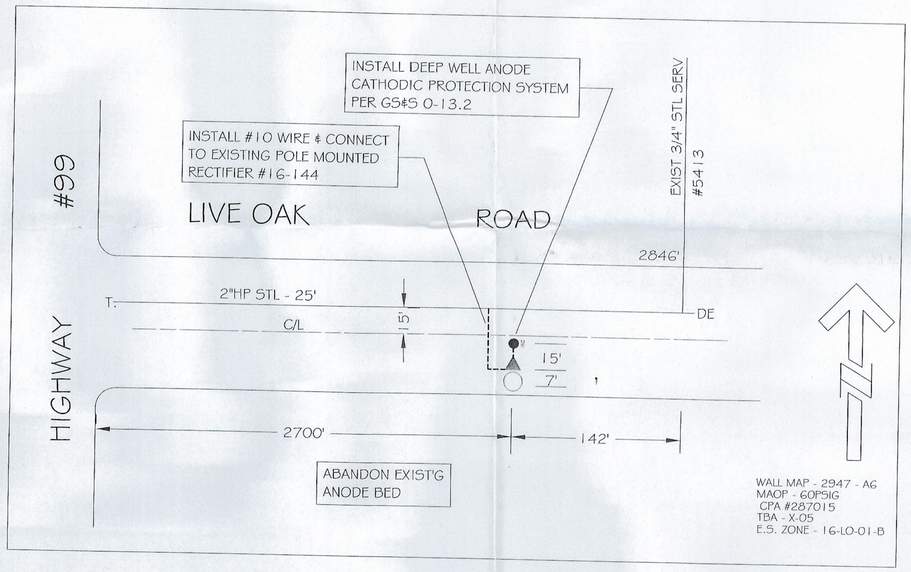
(DEEP WELL) ANODE CENTERING DEVICE

DETAIL "A"

DETAIL "B"



SECTION A



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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

NOTE:

CONTACT INSPECTOR, S. J. PUBLIC HEALTH SERVICES,(209)468-0333 48HRS. IN ADVANCE OF STARTING WORK.

ENGINEERING AND PLANNING DEPT.
4040 WEST LANE
STOCKTON, CA 95204
PHONE #: 209-942-1429 FAX #: 209-942-1737
PG&E PACIFIC GAS AND ELECTRIC COMPANY

CO:
SD:
NOTIF.: 103.22.55
Other:
SHT.: SHEETS
PM: 30640999 REV.

EST: RDG
ADE: RDG
SUPV: MML
REP.:
PLNR: DCR
SCALE: 1=100 DATE: 8-31-04
DWN: CHKD: SUPV: APVD BY:

NO.	DATE	DESCRIPTION	ORDER #
		REVISIONS	

INSTALL DEEPWELL ANODE
5413 E. LIVE OAK ROAD
STOCKTON
STOCKTON DIVISION