LO-HP-43 & LO-HP-55

NOTES:

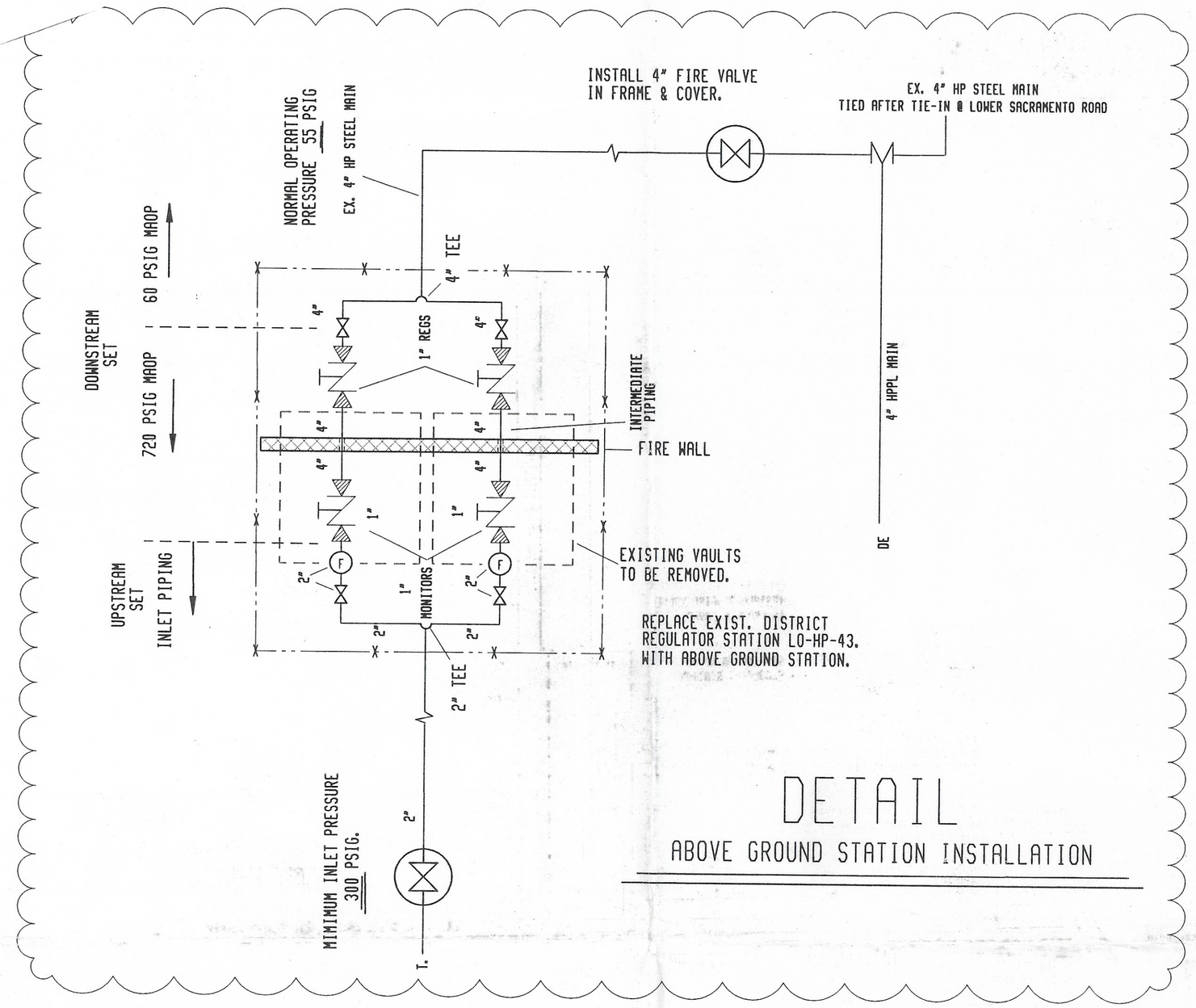
1. TIE-IN DISTRIBUTION MAINS @ LOWER SACRAMENTO ROAD & METTLER ROAD. CLOSE 2" VALVE UP-STREAM FROM STATION. INSTALL 4" BOTTOM TAP PCF ON 4" HP DISTRIBUTION SYSTEM & PLUG. RE-BUILD DISTRICT REGULATOR STATION LO-HP-43 PER STANDARD H-14.2. CONSTRUCT ABOVE GROUND STATION. (FENCED ENCLOSURE)

2. INSTALL 4" HPPL MAIN & TIE-IN TO 2" HP STEEL MAIN DOWN STREAM FROM LO-HP-55 WITH 2" BOTTOM TAP PCF. PLUG 3/4" TAP & ABANDON DISTRICT REG STATION LO-HP-55.

3. REFER TO SHEETS 13, 15, 22, 23, 24, 25 OF 26 FOR ORDERING MATERIAL.

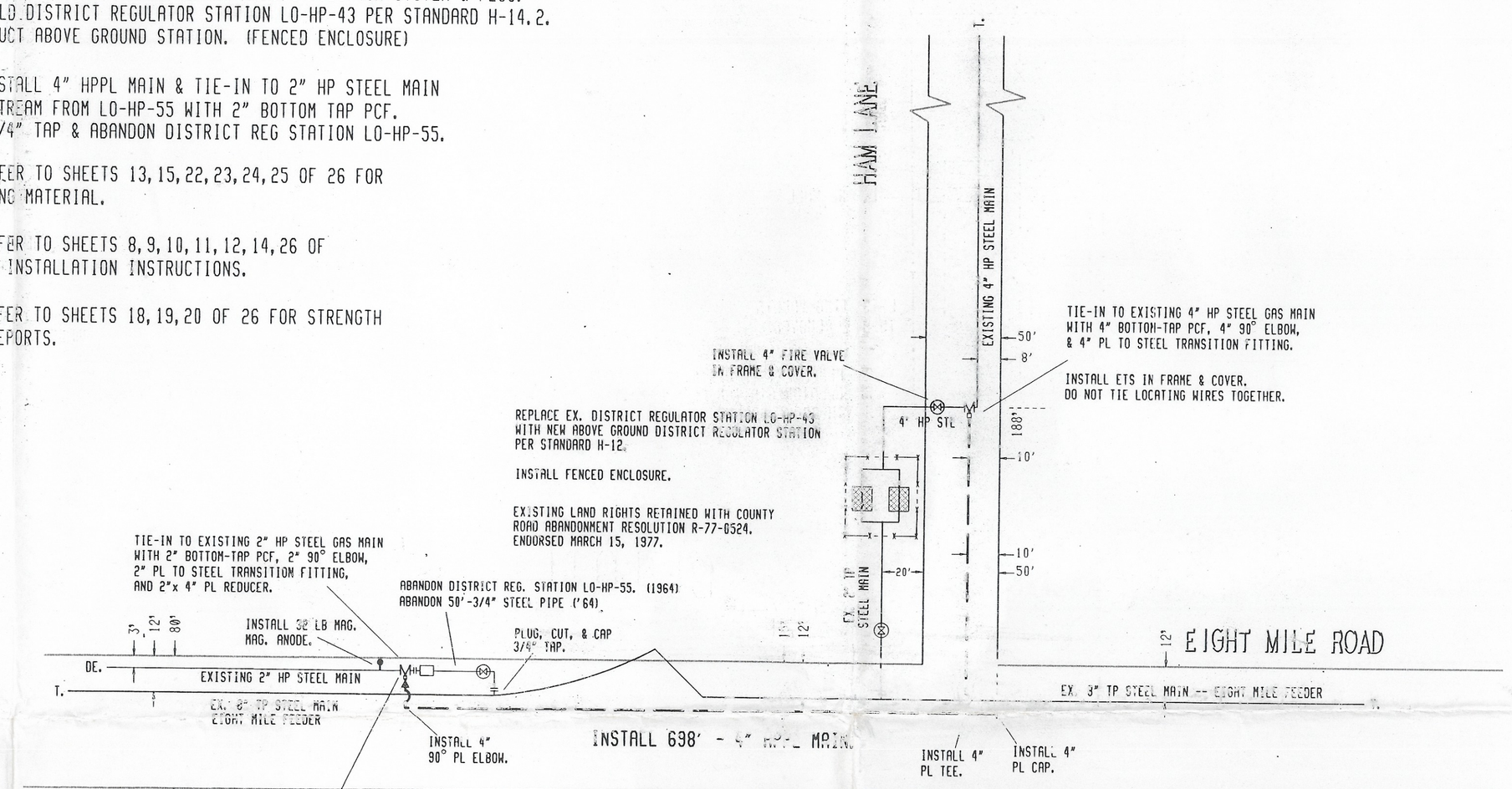
4. REFER TO SHEETS 8, 9, 10, 11, 12, 14, 26 OF 26 FOR INSTALLATION INSTRUCTIONS.

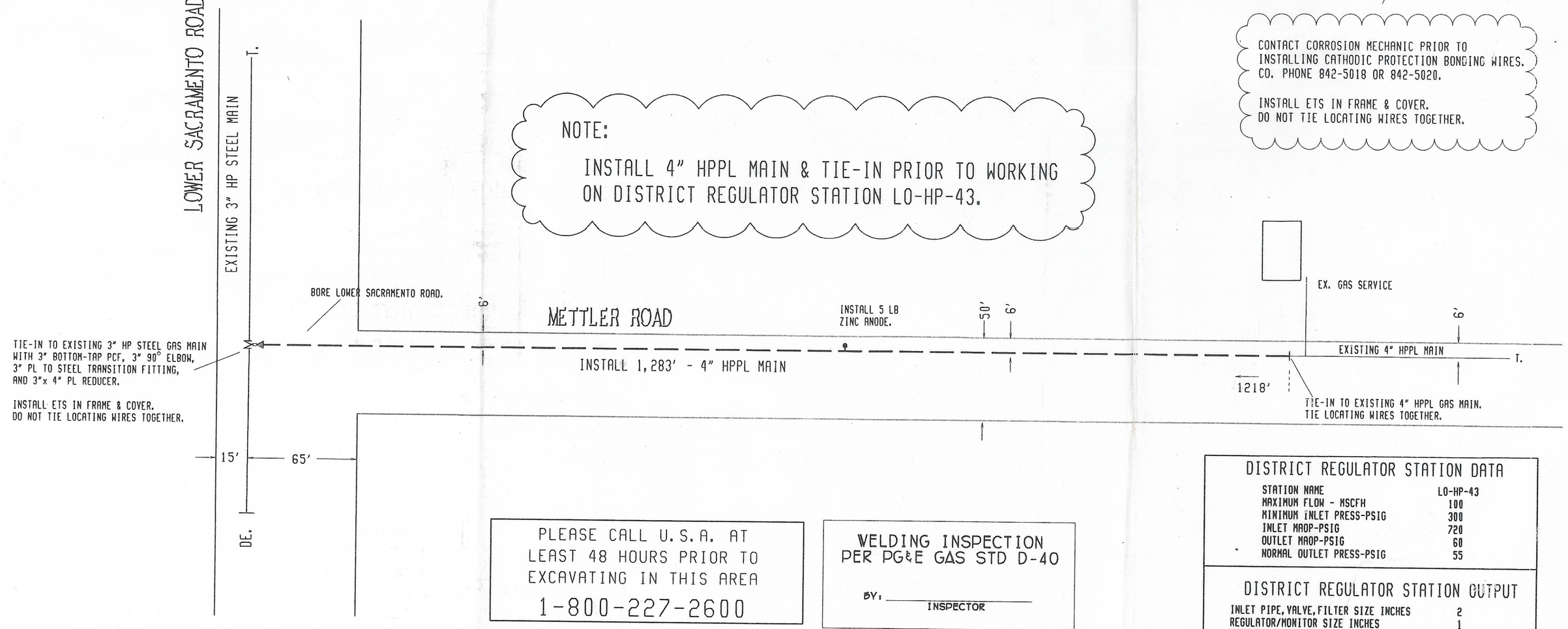
5. REFER TO SHEETS 18, 19, 20 OF 26 FOR STRENGTH TEST REPORTS.



DETAIL

ABOVE GROUND STATION INSTALLATION





NOTE:

INSTALL 4" HPPL MAIN & TIE-IN PRIOR TO WORKING ON DISTRICT REGULATOR STATION LO-HP-43.

CONTACT CORROSION MECHANIC PRIOR TO INSTALLING CATHODIC PROTECTION BONDING WIRES. CO. PHONE 842-5018 OR 842-5020.

INSTALL ETS IN FRAME & COVER. DO NOT TIE LOCATING WIRES TOGETHER.

PLEASE CALL U.S.A. AT LEAST 48 HOURS PRIOR TO EXCAVATING IN THIS AREA

1-800-227-2600

WELDING INSPECTION PER PG&E GAS STD D-40

BY: _____ INSPECTOR

DISTRICT REGULATOR STATION DATA

STATION NAME	LO-HP-43
MAXIMUM FLOW - MSCFH	100
MINIMUM INLET PRESS-PSIG	300
INLET MAOP-PSIG	720
OUTLET MAOP-PSIG	60
NORMAL OUTLET PRESS-PSIG	55

DISTRICT REGULATOR STATION OUTPUT

INLET PIPE, VALVE, FILTER SIZE INCHES	2
REGULATOR/MONITOR SIZE INCHES	1
INTERMEDIATE PIPE SIZE INCHES	4
D\S BLOCK VALVE SIZE INCHES	4
OUTLETPIPE SIZE INSMES	4

TO SUIT-2" STEEL PIPE

DESIGN CRITERIA

LOCATION CLASS	3	
DESIGN FACTOR	.5	
D.P.	720 % SMYS	15.9
MAOP	720 % SMYS	15.9
STRENGTH TEST PRESSURE		
MAX.	1300 PSIG	28.6 % SMYS
MIN.	1080 PSIG	23.8 % SMYS
	4085 PSIG=90% SMYS	
TEST FLUID	WATER	
PIPE SPEC.	API-5L, GR.B, SMLS	
O.D.	2.375"	
W.T.	0.154"	
WELD INSPECTION (GAS STD. D-40)		
☒VISUAL		
☐RADIOGRAPHIC		
☐ 20% MIN.		
☒ 100%		

XVISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (APPLIES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).

TO SUIT-4" STEEL PIPE

DESIGN CRITERIA

LOCATION CLASS	3	
DESIGN FACTOR	.5	
D.P.	720 % SMYS	19.5
MAOP	720 % SMYS	19.5
STRENGTH TEST PRESSURE		
MAX.	1300 PSIG	35.3 % SMYS
MIN.	1080 PSIG	29.3 % SMYS
	3318 PSIG=90% SMYS	
TEST FLUID	WATER	
PIPE SPEC.	API-5L, GR.B, SMLS	
O.D.	4.500"	
W.T.	0.237"	
WELD INSPECTION (GAS STD. D-40)		
☒VISUAL		
☐RADIOGRAPHIC		
☐ 20% MIN.		
☒ 100%		

XVISUALLY INSPECT A MINIMUM OF 20% OF ALL WELDS NOT RADIOGRAPHICALLY INSPECTED (APPLIES EVEN IF NO RADIOGRAPHIC INSPECTION IS REQUIRED).

N

LODI, UNINC.
2947-C1
EXISTING CPS F10000
SJ COUNTY PERMIT SUBMITTED

APPROVED BY	DN 631121
	SUPV. DCR
	DSGN. KRS
	DWN. KRS
	CHKD. GLH
	O.K.
	DATE 7/98
	SCALES NONE

REBUILD DISTRICT REG. STATION
No. LO-HP-43
LOCATION: W/S HAM LANE N/O EIGHT MILE ROAD
STOCKTON DIV. SJ VALLEY REGION

PACIFIC GAS AND ELECTRIC COMPANY
SAN FRANCISCO, CALIFORNIA

BILL OF MATL	
DWG LIST	
SUPSDS	
SUPSD BY	
SHEET NO. 26/26	SHEETS
0731094737	REV.