

- 3.2 The engineer or his designee shall prepare and assemble the reports and drawings specified in Section 4.0 to be provided with the 30-day written reports to the CPUC.
- 3.3 The engineer or his designee shall be responsible for ensuring that all required reports and seven-day notifications (Section 5.0) are made and processed in accordance with this standard and the requirements of ^{rebutal section of} G.O. 112-D. *use 2012-D*
- 3.4 The Gas System Design Department shall be responsible for reviewing the 30-day written reports and transmitting the final reports for submission to the CPUC.
- 3.5 Gas System Design shall issue a monthly report of the status of reports of reportable work. One sheet of a sample of this report is included as Exhibit D for illustration. The purpose of this log is to provide management with a monitoring document for tracking CPUC reports and related test data requested by the CPUC.
- 3.6 The Regions and Pipe Line Operations are responsible to provide timely feedback to Gas System Design relative to the current status of reportable projects under their respective jurisdiction, e.g., scope and schedule changes.

4.0 THIRTY DAY WRITTEN NOTIFICATION REPORTS TO THE CPUC

4.1 Reports for new construction, or reconstruction, or reconditioning must be submitted to the CPUC 30-days prior to commencement of construction. These reports must be signed by the Vice President of Gas and Electrical Services. In order to assure that the report is filed prior to the 30-day period, it is necessary that the Gas System Design Department receive an accurate and complete report, in the specified format, no later than 45 days prior to the start of construction. Late reports to the CPUC may require postponement of the start of construction, or a letter to the CPUC explaining why the report was late.

4.1.1 These reports, defined in Section 2.1, must contain the following information:

- o Job Title.
- o Introductory paragraph referencing the section of G.O. 112-D requiring the report, and a brief description of the scope of work.
- o Description and purpose of the proposed work.
- o Specified maximum allowable operating pressure for the proposed pipeline.

Technical

WORK REPORTABLE TO THE CPUC	PG & E CO.	DRAWING NUMBER	REV.
	SHEET 2 OF 6 SHEETS	088048	6
		MICROFILM	

Make sure done then document

- o Test fluid and test pressure to be used during strength testing. This sub-section must refer to Gas Standard A-34 and A-37, as applicable. ~~Include a statement that effects of elevation variations on test pressures will be defined on the strength test pressure report.~~ *ASareth*
- o Protection of pipeline from hazards as indicated in Paragraphs 192.317 and 193.319 of G.O. 112-D. *latest edition of*
- o Protection of pipeline from external corrosion. *(No)*
- o Estimated financial cost of the project. *this means they have to look it up should be in std.*
- o Estimated start of construction date.
- o A general arrangement drawing of the pipeline installation. This drawing must show the route of the pipeline and identify the class locations and required design factors for each segment of the pipeline requiring different design factors.
- o A vicinity map showing the location of the work with respect to other well defined landmarks.

A format of this report is illustrated in Exhibit "A" of the Appendix.

4.1.2 It is not necessary to submit a set of construction drawings with the filing to the CPUC. However, construction drawings should be available to the CPUC in the field, and it is desirable to have these drawings on a uniform format. To accomplish this, the form and the necessary information should be as outlined below:

4.1.2.1 The Land and Gas System Design Departments currently use a standardized drawing sheet for pipeline design drawings. This drawing sheet can be obtained from the Gas System Design Department, Administrative Services Group Supervisor. Request Pipeline Plan and Profile blank sheet (4 size). It is recommended that you use these drawing sheets for all transmission lines and for 12-inch diameter and larger distribution lines.



Do it right for DFH?

4.1.2.2 Construction drawings should show plan and profile views of the pipeline. All data called for on the drawing should be supplied, including the type of welding inspection to be used, i.e., visual or radiographic inspection, and where appropriate, the percentage of welds which are to be radiographically inspected. The Design Criteria Stamp provides a place for this information. Note that the drawing form

WORK REPORTABLE TO THE CPUC	PG & E CO.	DRAWING NUMBER	REV.
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		MICROFILM	

provides a space for entering the test and welding inspection requirements. The drawings should provide details of tie-in piping and of any other fittings, valves, or facilities other than pipe. Two copies of the drawings shall be sent to Gas System Design for review. One copy will be signed by the Manager of Gas System Design and returned to the Region responsible for the project. The second copy will be kept on file in Gas System Design.

4.2 Reports for uprate projects must be submitted to the CPUC 30 days prior to commencement of uprate. These reports must be signed by the Vice President of Gas and Electrical Services. In order to assure that the report is filed prior to the 30-day period, it is necessary that the Gas System Design Department receive an accurate and complete report, in the specified format, no later than 45 days prior to the start of uprate. Late reports to the CPUC may require postponement of the uprate, or a letter to the CPUC explaining why the report was late.

Technical

4.2.1 These reports, defined in Section 2.2, must contain the following information:

- o Job Title.
- o Introductory paragraph referencing the section of *the latest edition of* G.O. 112-D requiring the report, and a brief description of the scope of work.
- o Description and purpose of uprating.
- o Specification of the pipe to be uprated, include age, physical condition and any leak history.
- o Maximum allowable operating pressure before uprating and after uprating.
- o Uprate Procedure: Refer to G.S. A-34.2 for uprating from low pressure to high pressure. For other upratings refer to *not only this but also* General Order 112-D, Part II, Subparts J, K and L. The uprate procedure may be submitted with the 30-day report, or separately. If submitted separately, the procedure should be received by Gas System Design Department at least two weeks before the uprate so it can be received by the CPUC prior to the required 7-day verbal notification defined in Section 5 of this standard.
- o Estimated date of uprating.
- o A statement that the increased line pressure meets the requirements in G.O. 112.

the latest edition of

↑ the latest edition of

WORK REPORTABLE TO THE CPUC	PG & E CO.	DRAWING NUMBER	REV.
	SHEET 4 OF 6 SHEETS	088048	6
		MICROFILM	

- o A drawing showing the general arrangement of the pipeline facilities to be uprated and the location of the work with respect to other well defined landmarks.

The format of this report is illustrated in Exhibit "B" of the Appendix.

4.3 Reports for downrate projects must be submitted to the CPUC no later than 30-days after completion of downrate. This report must be signed by the Vice President of Gas and Electrical Services. In order to assure that the report is filed no later than the 30-day period, it is necessary that the Gas System Design Department receive an accurate and complete report at least 15 days after the date of the downrate.

Technical

4.3.1 These reports, defined in Section 2.3, must contain the following information:

- o Job Title.
- o Introductory paragraph referencing the section of *edition of* G.O. 112-~~D~~, requiring the report and a brief description of the scope of work. *the latest*
- o Description and purpose of downrating.
- o Specification of the downrated pipeline.
- o Maximum allowable operating pressure before downrating and after downrating.
- o Date of downrating.
- o A statement that the decrease in line pressure meets the requirements of G.O. 112-~~D~~. *the latest edition of*
- o A general arrangement drawing of the downrated pipeline.
- o A vicinity map showing the location of the work with respect to other well defined landmarks.

The format of this report is illustrated in Exhibit "C" of the Appendix.

WORK REPORTABLE TO THE CPUC	PG & E CO.	DRAWING NUMBER	REV.
	SHEET 5 OF 6 SHEETS	088048	6
		MICROFILM	

5.0 SEVEN-DAY VERBAL NOTIFICATION REPORT TO THE CPUC

- 5.1 Gas System Design must be advised seven days prior to the start of construction, the start of uprates and the conducting of any final hydrostatic tests associated with reportable jobs.
- 5.2 Upon receipt of the verbal advise described above, Gas System Design will promptly notify the CPUC and simultaneously fill-out form I (entitled "Verification of Verbal Notification to the CPUC") included in the appendix. Gas System Design will then transmit a copy of Form I to the person making the notification in Paragraph 5.1.

6.0 REFERENCES

- 6.1 General Order 112 - Latest edition issued by the CPUC.
- 6.2 Gas Standard A-34 - Design and Test Requirements.
- 6.3 Gas Standard A-34.2 Uprating Procedures - Low Pressure to High Pressure.
- 6.4 Gas Standard A-37 - Hydrotesting Procedure.

APPENDIX

- Form I - Verification of Verbal Notification to the CPUC
- Exhibit "A" - Example of New Construction Report
- Exhibit "B" - Example of An Uprating Project Report
- Exhibit "C" - Example of a Downrating Project Report
- Exhibit "D" - Sample Sheet from the CPUC Activity Log

WORK REPORTABLE TO THE CPUC	P G & E CO.	DRAWING NUMBER	REV.
	SHEET 6 OF 6 SHEETS	088048	6
		MICROFILM	

FILE NO. _____

A-34.1
Form I
7/11/89

VERIFICATION OF VERBAL NOTIFICATION
TO CPUC

TO BE PREPARED BY AS SYSTEM DESIGN ENGINEER FOR EACH VERBAL NOTIFICATION
GIVEN TO CPUC STAFF.

JOB DESCRIPTION: _____

CPUC FILE NUMBER: _____

REGION: _____ DIVISION: _____ JOB AUTHORIZATION/WO NO. _____

REQUEST FOR VERBAL NOTIFICATION FROM _____ DATE _____

PROPOSED WORK:

- A) START OF CONSTRUCTION _____ DATE _____
- B) HYDRO TEST _____
- C) UPGRADING _____
- D) OTHER _____

UPGRADING PROCEDURE PROVIDED TO CPUC STAFF: _____ DATE _____

CPUC STAFF REPRESENTATIVE NOTIFIED:

NAME: _____ DATE _____

STAFF WILL WITNESS: YES _____ NO _____ UNDECIDED _____

GSDD ENGINEER MAKING NOTIFICATION _____

COPY SENT TO _____ IN REGION

DATE _____ BY _____

INSTALLATION OF PIPELINE FACILITIES
ON LINDSAY AVE., LOCUST ST. AND MINER AVE., STOCKTON

In accordance with Part I, Subpart C, Section 141.2 of General Order 112-D the following information is submitted describing the installation of 3,861 feet of 8-inch distribution feeder main and one district regulator station in Stockton.

A. Description and Purpose of Pipeline

It is proposed to install 3,861 feet of 8-inch distribution feeder main (off Line-108) on Lindsay Ave., Locust St., and Miner Ave.; and one district regulator station on Miner Ave., Stockton. The proposed work is in conjunction with PG&E's Pipeline Replacement Program.

B. Specification of Pipe Selected for Installation

3,861 feet of 8.625-inch O.D., 0.172-inch W.T., API 5L Gr. X-42 ERW

C. Maximum Allowable Operating Pressure

The MAOP of this pipeline will be 720 psig.

D. Fluid and Pressure to be Used During Strength Test

The pipe will be hydrostatically tested to a minimum pressure of 1.5 times the MAOP to be established in accordance with the requirements of PG&E's Gas Standard A-34 and Subpart J of General Order 112-D. The test procedure to be followed is outlined in PG&E's Gas Standard A-37. Copies of Gas Standards A-34 and A-37 are on file with the Commission.

E. Protection of Pipeline from Hazards

No special design considerations are required for compliance with Sections 192.317 and 192.319 of General Order 112-D.

F. Protection of Pipeline from External Corrosion

All pipe will be coated, wrapped, and placed under cathodic protection as required by Section 192.455 of General Order 112-D.

G. Estimated Cost

\$412,672

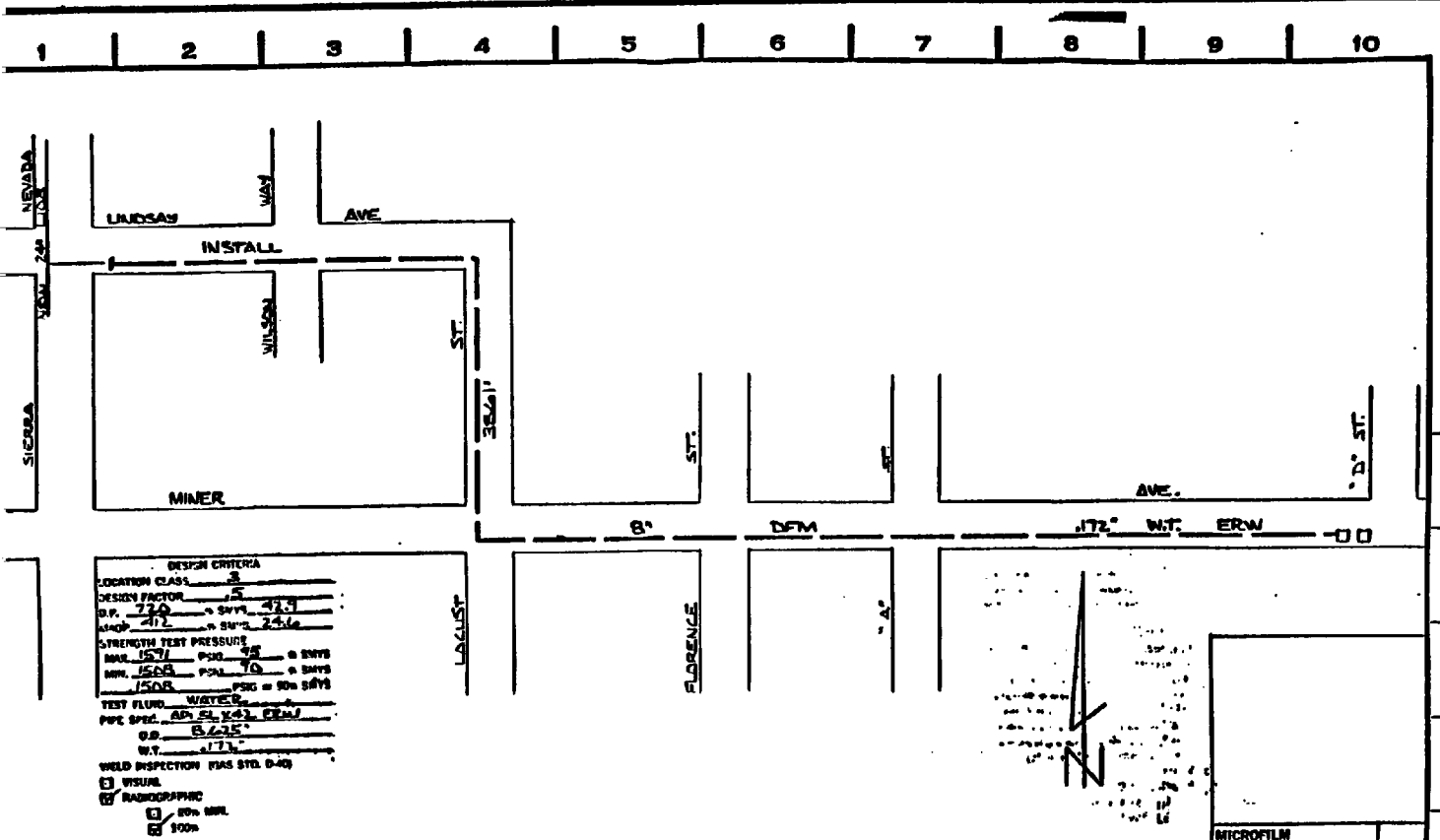
H. Estimated Construction Date

May 8, 1989



JOB SITE

N
S



DESIGN CRITERIA
 LOCATION CLASS 3
 DESIGN FACTOR 3
 D.P. 770 @ 80% SWS 47.9
 W.P. 217 @ 80% SWS 24.6
 STRENGTH TEST PRESSURE
 MAX. 157 PSIG @ 80% SWS
 MIN. 150 PSIG @ 80% SWS
 TEST FLUID WATER
 P.W. SPEC. API 5L X-62 ERW
 U.P. 5/2-15
 W.T. 172
 WELD INSPECTION (FAS STD. D-40)
 VISUAL
 RADIOGRAPHIC
 80% MRL
 100%

DATE	DESCRIPTION	CH	DWNL	CHKD	SUPV	APVD

APPROVED BY GM 47472 RB3
 SUPV. F.S.
 DSNR. G.M.
 CHD. M.L.
 CHD.
 DATE 1/3/84
 SCALES
 RMC

INSTALL 3861-8" DISTRIBUTION FEEDER
 SIERRA-NEVADA/MINER AVE.
 SAN JOAQUIN REG.. STOCKTON DIVISION
PACIFIC GAS AND ELECTRIC COMPANY
 SAN FRANCISCO, CALIFORNIA

MICROFILM
BILL OF MATL
DWG LIST
SUPSDS
SUPSD BY
SHEET NO.
SHEETS REV.
<u>0731691480</u>

UPRATE DISTRIBUTION MAINS
FROM LOW PRESSURE TO HIGH PRESSURE ON
VENTURA, FULTON, MONO AND "L" STREETS, FRESNO

In accordance with Part I, Subpart C, Section 141.3 of ^{the latest edition of} General Order 112-D, the following information is submitted describing the uprating of 1,280 feet of 3-inch and 4-inch plastic distribution mains from low pressure to high pressure in Fresno.

A. Description and Purpose of Uprating

It is proposed to uprate to high pressure 760 feet of 4-inch and 520 feet of 3-inch plastic mains in Fresno. These mains are located on Ventura, Fulton, Mono and "L" Streets. This uprating is being performed in conjunction with PG&E's Gas Pipeline Replacement Program.

B. Specification of Pipe Being Uprated

(subject to field verification)

- o 380 feet of 4.50-inch O.D., 0.395-inch W.T. plastic Nipac pipe installed in 1979.
- o 380 feet of 4.50-inch O.D., 0.395-inch W.T. plastic Nipac pipe installed in 1976.
- o 368 feet of 3.50-inch O.D., 0.307-inch W.T. plastic Nipac pipe installed in 1974.
- o 152 feet of 3.50-inch O.D., 0.307-inch W.T. plastic Nipac pipe installed in 1982.

C. Maximum Allowable Operating Pressure

MAOP before uprating: 10.5 inches W.C.
MAOP after uprating: 60 psig

D. Uprating Procedure

The mains will be uprated and tested in accordance with the requirements of Subpart "J" of General Order 112-D.

E. Estimated Date of Uprating

The uprate is scheduled during the period of February 18 to February 28, 1989.

F. General Order 112-D Requirements

The increased pressure meets the requirements of ^{the latest edition of} General Order 112-D.

Downrating 2,218 Feet of 26-Inch Line 2 in Stanislaus County

In accordance with Part I, Subpart C, Section 141.3 of ^{the latest edition of} General Order 112-D, the following information is submitted describing the downrating of 2,218 feet of 26-inch Line 2 in Stanislaus County.

A. Description and Purpose of Downrating

A section of 2,218 feet of the 26-inch Line 2 between MP 122.54 and MP 122.96 has been downrated from a maximum allowable operating pressure of 500 psig to 380 psig to comply with ^{the latest edition of} General Order 112-D, Section 192.611. This 0.42-mile section changed from Location Class II to Location Class III on October 23, 1987, due to the construction of a new motel in that area. This section of the pipeline is located north of the intersection of Ingram Creek Road and McCracken Road in Stanislaus County.

B. Specification of Downrated Pipe

2,218 feet of 26-inch O.D., .375 W.T., A.O. Smith, 33R, SSAW, installed in the 1930s. This pipe has been maintained in accordance with the requirements of General Order 112-D.

C. Maximum Allowable Operating Pressure

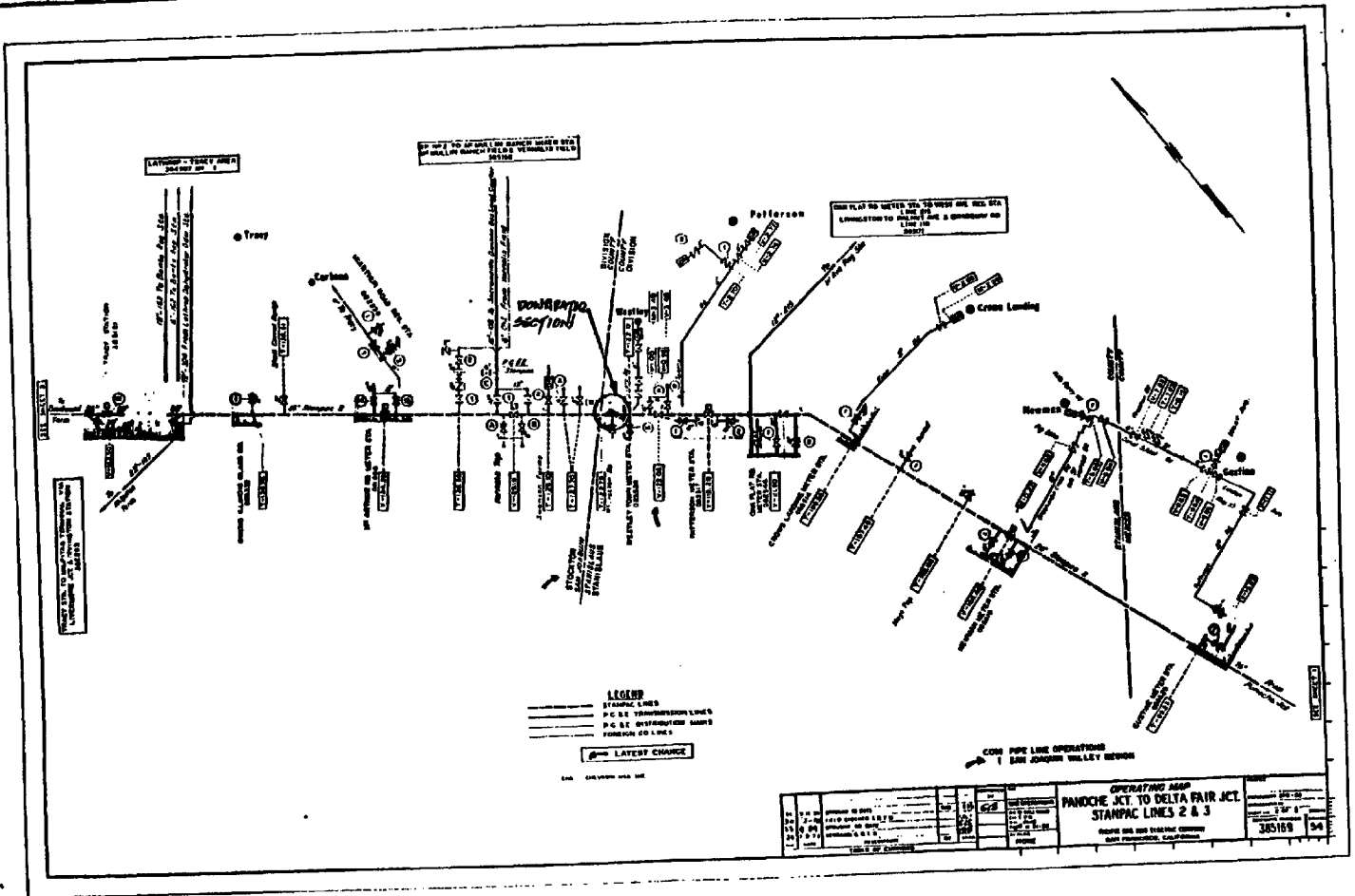
MAOP before downrating: 500 psig
MAOP after downrating: 380 psig

D. Date of Downrating

This downrating occurred on April 21, 1989.

E. General Order 112-D Requirements

The decreased pressure meets the requirements of ^{the latest edition of} General Order 112-D.



ACTIVITY LOG - PROJECT REPORTS TO THE CPUC
(Refer to G.S. A-34.1)

Exhibit "D"

JOB NO.	PROJECT DESCRIPTION		7-DAY NOTICE			CPUC WITNESS?		TEST DATA REQUESTED			UPRATING PROCEDURE		REMARKS	
			30-DAY REPORT	NOTICE RECEIVED	CONST. START	UPRATE	UNDE-YES	PRESS. CHART	DATE SENT	RECEIVED	SENT			
REGION	PG&E FILE NO.	CPUC FILE NO.	SCHEDULED DATE FOR CONSTRUCTION	UPRATE										
4698007			UPRATE DIST. MAINS FROM LP TO HP YERBA BUENA II PROJECT, S.F.		11/28/88	03/08/89			X	X	05/19/89			
	GGR	598 88-77		03/21/89										
4676805			REPLACE & LOWER 18" AND REPLACE 32" WITH 34" PIPE L-210 FAIRFIELD		12/14/88									
	SVR	601 88-80												
	VAC		07/15/90											
1946433			INSTALL 81,150' OF 24" L-108 STOCKTON		11/18/88	03/10/89	03/17/89		X	X				HYDROTESTS WERE PERFORMED ON 05/01/89, 05/11/89 AND 05/30/89.
	SJR	602 88-76												
	STK		03/20/89											
4694113			UPRATE DIST. MAINS FROM LP TO HP SACRAMENTO/MARTIN, VALLEJO											
	RWR	603 89-01			01/04/89	03/14/89				X				
	VLJ			03/22/89										
4700597			INSTALL 12,000' OF 4" MAIN OFF L-400 TO SERVE BURNEY FOREST, BURNEY		04/18/89	06/27/89	07/10/89							
	SVR	605 89-19												
	SHA		06/01/89											