

PLAINTIFF'S EXHIBIT

CHV-677

105-103 Guard Rail Around GR
Compressor Headers Pit. R-455

PROPOSAL FOR CONSTRUCTION AND MAINTENANCE WORK GO-36-B-TX

District or
Division _____ Mfg. _____Location or
Property _____ El Paso Refinery _____

Work Proposed

Appropriation Number _____ R-455

Guard Rail Around Gas Recovery Headers Pit.

Job No. 105-103

Budget Project No. _____

Amount Requested \$ 320.00

Previously Authorized \$ _____

Estimated Total \$ _____

SUMMARIZED ESTIMATE

ITEM	Contract	Company Labor (Incl. PR Burden)	MATERIALS		Misc. Charges	Total
			Purchased	Inventory Stocks		
1. Fabricate Railing		107	88			195
2. Engineering		20				20
3. Contingency						
Field Indirect Expense						
Total Amount Requested (Item 8, Go-36-TX)		127				215

WHC

Recommended By _____

1/23/58

DATE

DATE

DATE

DATE

Chevron BB
013551

GO-36-B-TX 7-51

L5

TO LIS

APPROVE	REMARKS
COMMENT	<i>Hand out after</i>
FILE	<i>Hand out after</i>
HAND E	<i>Hand out after</i>
NOTE	<i>Hand out after</i>
RETURN FILE	<i>Hand out after</i>
SEE ME	<i>Hand out after</i>
TRACE	<i>Hand out after</i>

FROM *DLW 1/1/5*

GO-24 (3,000) (11-53)

~~10/1/57~~ LK
Please, give Completion
date 7/1/57
shall I use Geo.
as shown in
book? Yes eng-3
R-454 S. 102-0

7
MEMORANDUM

El Paso, Texas

January 23, 1958

NOTICE OF COMPLETION ON

Approp. No. R- 455

Job Number 105-103

Title: Guard Rail Around Gas Rec.
Headers Pit.

MR. O. B. MAAG

W. Thompson

Attention: ~~XXXXXXXXXX~~

Construction work has been completed on subject project on 7/1/57
and project placed in commercial operation on 7/1/57.

1. Number of engineering and drafting hours to be charged are:
Engineering 3 Drafting 0
2. We will assist you in taking physical inventory upon request.
3. Alterations of existing plant not specified by item in appropriation are as follows: —
4. Also a check has been made to verify that:
 - a. TX-145's for material and equipment dismantled or transferred have been submitted.
 - b. TX-145's for scrap material used in fabrication of equipment and value have been submitted.
5. Please complete and return the attached GO-36B showing final costs.

J. E. HAYDEN

JEH/ljs

105-103

MFC

7/24/57

I was to call Accounting - 246- & ask if
all chgs were in. If so have Lyndell close
out acct.

I called 7/23/57 & chgs still were not in.

①
5-31/57

To: DMO

5/31/57

From: W.H.C.

Subject: Status of Active Jobs for which D.M.O.
is responsible.

105-92 (Platform for Top of Morcayton Scrubber)
closed out. Ready for close out pending receipt of
charges by Acctg. Dept.

105-103 Work in progress. Job ready for
close out pending receipt of charges by
Acctg. Dept. Guard Rail around camp. headers

105-96 (2" Jumpover from Lt. Cat. Cr. Traco. To Off
closed out. Test) Ready for close out pending receipt
of chgs. by Acctg. Dept.

105-98 (Install Piles on ea side of Liquid Seal
closed out in Leg following D501) work complete &
ready for close out pending receipt of
chgs. by Acctg. Dept.

EXPENDITURE REQUEST

FILE NO.

105-103

REFINERY

El Paso

DATE

5/22/57

19

SHOP ORDER NO.

R-455

APPROPRIATION NO.

GRANT

\$320.00

TITLE OF REQUEST

Guard Rail Around Gas Recovery Headers Pit.

TYPE OF SHOP ORDER -

REQN.	DESCRIPTION	CHARGE TO		ESTIMATED COST		
		PLANT-REPRS- ALT. OR DISM.	ACCOUNTING ITEM	LABOR	MATERIAL CONTRACTS	TOTAL
1.	Fabricate Railing			190	70	260
2.	Engineering			10		10
3.	Contingency			30	20	50
TOTAL OF EXPENDITURES FOR WHICH APPROVAL IS HEREBY REQUESTED				230	90	320
TOTAL EXPENDITURES PREVIOUSLY APPROVED ON THIS SHOP ORDER						
TOTAL OF REQUESTS ON THIS SHOP ORDER, INCLUDING THIS REQUEST				230	90	320

DESCRIPTION AND REASONS:

PRESENT SITUATION: The Gas Recovery Compressor Headers are located in a pipe trench about 5 to 6 feet below grade. There is no guard rail to prevent personnel from falling into the pipe trench.

PROPOSED: Install a guard rail around the trench.

JUSTIFICATION: This is an operating necessity in order to provide safe working conditions for operating personnel & is in accordance with recommendations of "Safety in Design".

WHE

APPROVED:

W M O'Neill

OFFICE MANAGER

2 R Menke
WET

SUPERVISION OF

Paul Mustain

CHIEF ENGINEER

MFG. 2328-1 (32M 5-52)
PRINTED IN U.S.A.

Chevron BB
013557

TO ~~SECRETARY~~ SECRETARY / 5

FROM.

13.9991 11-51

EXPENDITURE REQUEST

FILE NO. 105-103

REFINERY El Paso

DATE 5-16

1957

SHOP ORDER NO.

R-455

APPROPRIATION NO.

GRANT

320.00

TITLE OF REQUEST

Guard Rail around Gas Recovery Header Pit.

TYPE OF SHOP ORDER -

REQN.	DESCRIPTION	CHARGE TO		ESTIMATED COST		
		PLANT-REPR. ALT. OR DISM.	ACCOUNTING ITEM	LABOR	MATERIAL CONTRACTS	TOTAL
	<u>Fabricate Railing</u>			<u>190</u>	<u>70</u>	<u>260</u>
	<u>Engineering</u>			<u>10</u>		<u>10</u>
	<u>Contingency</u>			<u>30</u>	<u>20</u>	<u>50</u>
TOTAL OF EXPENDITURES FOR WHICH APPROVAL IS HEREBY REQUESTED				<u>230</u>	<u>190</u>	<u>320</u>
TOTAL EXPENDITURES PREVIOUSLY APPROVED ON THIS SHOP ORDER						
TOTAL OF REQUESTS ON THIS SHOP ORDER, INCLUDING THIS REQUEST						

DESCRIPTION AND REASONS:

Present Situation

The Gas Recovery Compressor Headers are located in a pipe trench about 5 to 6 feet below grade. There is no guard rail to prevent personnel from falling into the pipe trench.

Proposed: Install a guard rail around the Trench.

Justification: This is an operating necessity in order to provide safe working conditions for operating personnel is in accordance with recommendations of "Safety in Design".

APPROVED:

SUPERVISION OF

OFFICE MANAGER

CHIEF ENGINEER

MFG. 2325-1 (32M 5-52)
PRINTED IN U.S.A.

Chevron BB
013559

MEMORANDUM GO-144

RECEIVED

TO: MR. E. Hayden (Attn: DMU Unit)

MAY 15 1957

FEB 27 1957

FROM: MR. P.P. Mustain (W. Ruth)

W. H. COURSON

FEB 22, 1957

SUBJECT: Safety suggestion - Guard Rail

OUR FILE:

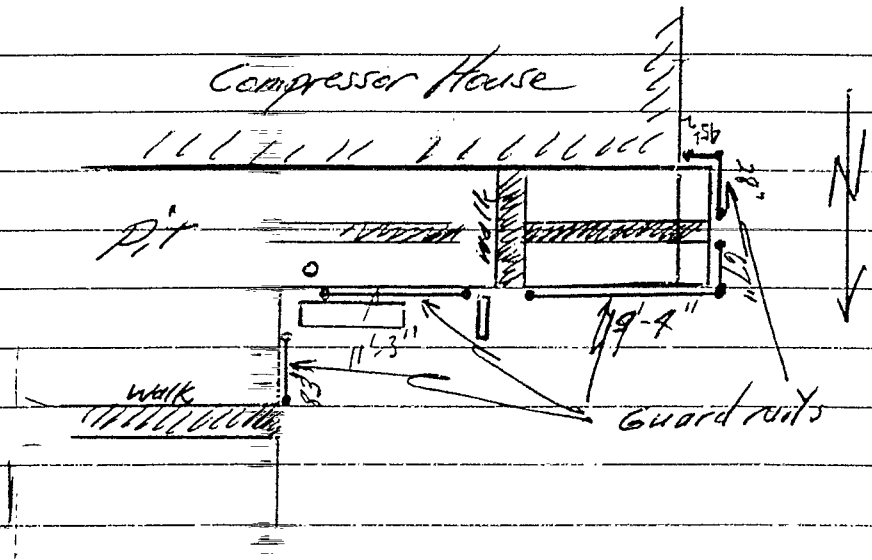
FEB 28 1957

YOUR FILE:

DET. C. H. H. L.

Received a safety suggestion for installation of a guard rail around the north-west end of the H.G. Unit compressor house pipe trenches.

Please advise estimated cost of installing standard height handrail-midrail (without toe board) as outlined below:



RECEIVED

P.P. Mustain

FEB 26 1957

P. P. MUSTAIN

TO WPC

APPROVE		REMARKS
COMMENT		
FILE		
HANDLE		<u>WPC</u>
NOTE		
RETURN FILE		<u>WPC</u>
SEE ME		
TRACE		

FROM Bill

90-24 (2.000M 11-52)

~~Cost of Railing~~ Cost of Railing Mat) Labor

4.5' x 13' = 58.50' 2x2 x 1/4" L
3.19 #/ft x 60' x .10¢ \$20.00 430

Pipe 50' 1 1/4" Sch 40 @ 49¢ 25.00 30

Midrail 50' 3/8" x 1 1/4"
1.6 #/ft x 50' x .10¢ 8.00 10

Brackets 2.00 15

Assembly 10 hrs. 2 men 60

Installation 16 mh 50

Bolts & Shields

10.00
65.00 195
Total

Engr.

Cont.

Total

15

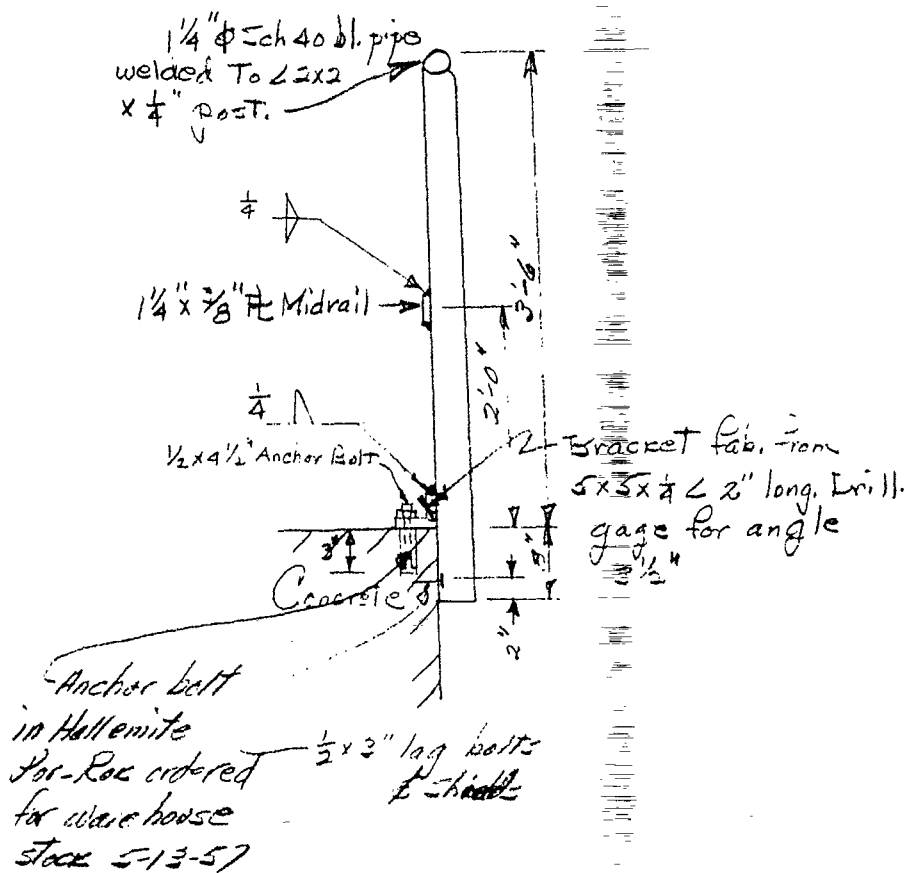
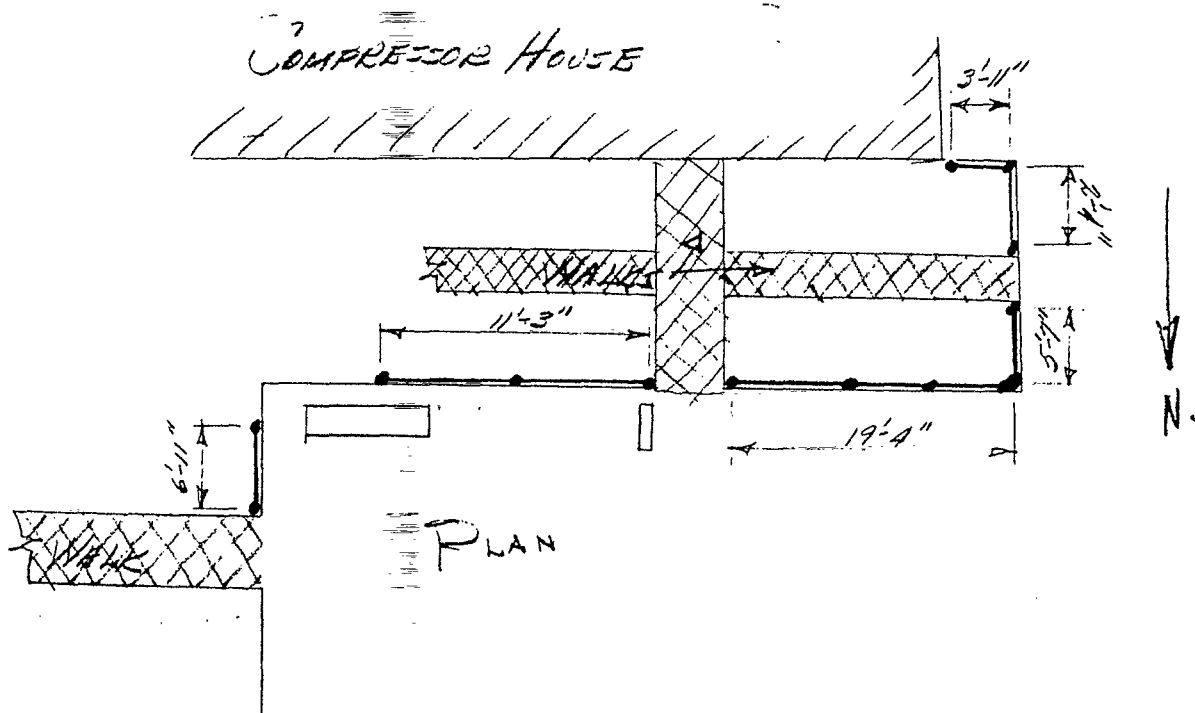
30

80

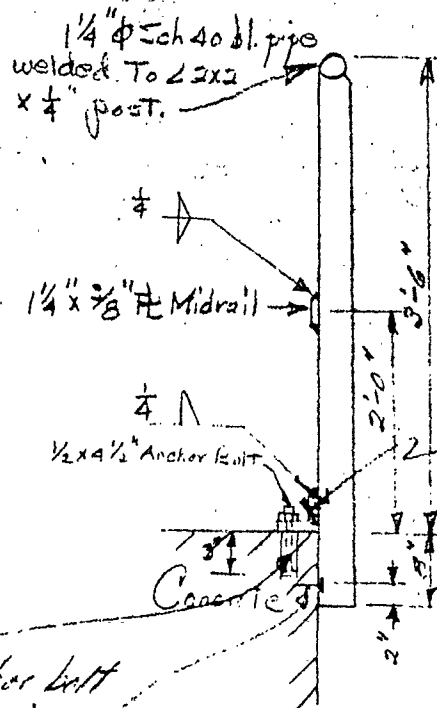
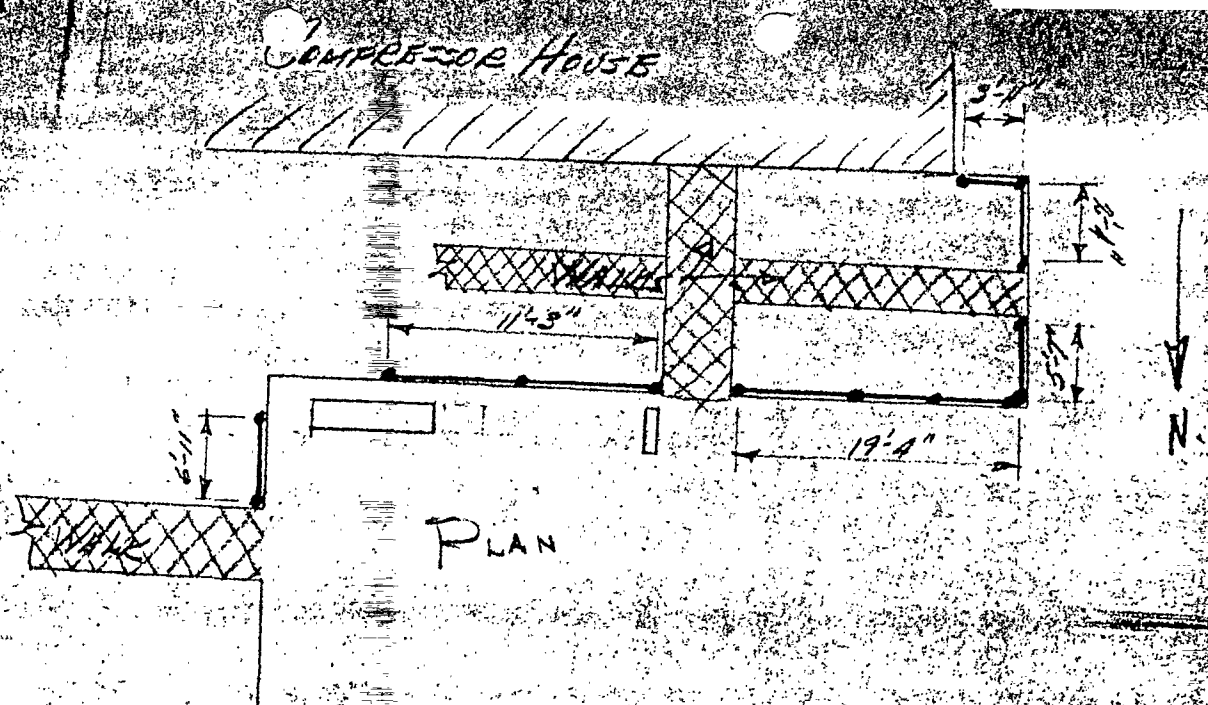
240

320.00

WPC
5/15/57



SKETCH
FOR RAILING TO BE FABRICATED
& INSTALLED AT G.R.
Comr. House
WAC 5-15-57



Anchor bolt in Helixite for-loc ordered for warehouse Stock 5-13-57

1/2 x 3" long bolts L-handle

SKETCH
FOR RAILING TO BE FABRICATED
& INSTALLED AT G.E.
COMP. HOUSE.
WAC 5-15-57