

SOLV/EDC & CMP PLANT NOTIFICATION OF PROCESS CHANGE CHECKLIST

Type: ☐ LEVEL 1 (minor) ☒ LEVEL 2 (moderate) ☐ LEVEL 3 (major)

Originator: R. Rolke

Date of Origination: 09/16/97

Plant: Methanes

Actual Date of Change: _____

Area: Thermal

Equipment: V-1540

Permanent ☒ Yes

Temporary ☐ Yes

From: _____

To: _____

Description and Location of Change (Scope): Add access deck for V-1540 filters.

Technical Basis for Change: Permanent access to the filter is required for routine maint. & cleaning.

Impact on: ☒ Safety ☐ Loss Prevention ☐ Environment ☐ Health ☐ Quality ☐ Production ☐ Other: _____

Type of Change:

☐ Alarm

☐ Shutdown Point

☐ Instrument

☐ Process Computer Control

☒ Addition/Removal of Equip.

☐ Piping Modification

☐ Equip./Material Modification

☐ Chemical

☐ Job Procedure No.

☐ Process Set Point Change

☐ Piping Spec.

☐ Other: _____

Pre-modification Checklist:

Applicable

- | | |
|--|---|
| ☒ Applicable | Written job scope and sketch of proposed change; POD# 2483 |
| ☒ Applicable | Project economics; attached. |
| ☐ Applicable | Consult piping and equipment specifications; Spec. # |
| ☒ Applicable | Comply with Engineering Practices. <u>See attachments</u> |
| ☐ Applicable | Consult Technology Center or comply with Tech. Ctr. guidelines. |
| ☒ Applicable | Equipment access/congestion considered. |
| ☐ Applicable | Consult Environmental function |
| ☐ Applicable | Environmental project checklist complete. |
| ☐ Applicable | Chemicals listed in the (TSCA) inventory before use. |
| ☐ Applicable | Perform Reactive Chemicals testing or review. |
| ☒ Applicable | Consult Safety function for compliance with S&LP and Block requirements |
| ☐ Applicable | Consult Process Safety for impact on PHA(F&EI, CEI, & Fire protection). |
| ☐ Applicable | State Fire Marshall notified. |
| ☐ Applicable | Consult Industrial Hygiene function |
| ☐ Applicable | Consult maintenance/Reliability Eng. |
| ☐ Applicable | Consult Instrument function. |
| ☐ Applicable | Consult Electrical function. |
| ☐ Applicable | Consult Analyzer function. |
| ☐ Applicable | Consult/Inform Computer/Programming Support. |
| ☒ Applicable | Consult Area Engineer. |
| ☒ Applicable | Consult Operations. |
| ☒ Applicable | Consult Area Technologist |
| ☐ Applicable | Consult Inventory Management |
| ☐ Applicable | Consult Process Engineering. |
| ☐ Applicable | Evaluate and modify relief system. |
| ☒ Applicable | Work Order written. (List them) 809609-50 81495650 |
| ☐ Applicable | Consult Construction/Small Projects |
| ☐ Applicable | Consult Site Logistics |
| ☐ Applicable | Consult Quality (Customer Notification ?) |
| ☐ Applicable | Other (Name them) _____ |

Follow-up Signature

Date

- | | | |
|------------------------------|--------------------|-----------------|
| ☐ Yes | <u>R. Rolke</u> | <u>10/13/97</u> |
| ☐ Yes | <u>R. Rolke</u> | <u>10/13/97</u> |
| ☐ Yes | <u>R. Rolke</u> | <u>10-22-97</u> |
| ☐ Yes | <u>R. Rolke</u> | <u>10-13-97</u> |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | <u>Drum Draft</u> | <u>10/22/97</u> |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | <u>R. Rolke</u> | <u>10-13-97</u> |
| ☐ Yes | <u>J. R. Rolke</u> | <u>10-22-97</u> |
| ☐ Yes | <u>J. R. Rolke</u> | <u>10-22-97</u> |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | <u>R. Rolke</u> | <u>9-17-97</u> |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |
| ☐ Yes | _____ | _____ |

APPROVALS:

Originator: Richard Balch
 First Reviewer: John R. Balch
 Preliminary Reviewer(Lvl 2 & 3): [Signature]

Date: 9/16/97
 Date: 10-22-97
 Date: 12/7/97

Post-modification Checklist: (BEFORE START-UP)

Applicable		Follow-up	Signature	Date
☐ Applicable	Perform prestartup audit: major equipment addition/mod. lvl 3; attach.	☐ Yes		
☐ Applicable	PSM files updated(such as piping circuits).	☐ Yes		
☐ Applicable	Project list updated.	☐ Yes		
☒ Applicable	Documented in Operating Discipline Library	☐ Yes		
	Completed Job Procedures reviewed by:	☐ Yes		
	Operations _____ Safety _____ Envir. _____	☐ Yes		
	Emergency Procedures	☐ Yes		
	Training Aids (IPT, etc.)	☐ Yes		
	Controlled copies of Critical Oper. Procedures updated	☐ Yes		
	Safety/Environmental (cleaning, vessel entry, red tag)	☐ Yes		
	Update plant Roundsheets, forms	☐ Yes		
☒ Applicable	Plant equipment files updated.	☐ Yes	<u>R. Balch</u>	<u>1-7-97</u>
☐ Applicable	P&ID's, process flow sheets, and plot plans updated.	☐ Yes		
☒ Applicable	Personnel trained on the change. Method: <u>mos 3K Verbal</u>	☐ Yes	<u>N/A</u>	
☐ Applicable	Critical instrument checklist updated.	☐ Yes		
☐ Applicable	Updated HAZCOM Manual & equip. List.	☐ Yes		
☐ Applicable	Pressure vessels, PVRV's, & PRD registered.	☐ Yes		
☐ Applicable	Instrument loops checked and documented.	☐ Yes		
☐ Applicable	Field switches, equipment, & MCC starters checked & labeled.	☐ Yes		
☐ Applicable	Log sheets/controlled forms updated.	☐ Yes		
☐ Applicable	GPI flow diagram & history/EDAS updated.	☐ Yes		
☐ Applicable	GEMTS, PPM, & MSMS updated.	☐ Yes		
☐ Applicable	Mod V program change checklist completed.	☐ Yes		
☐ Applicable	Fugitive emission tags added to valves.	☐ Yes		
☐ Applicable	Equipment RTO Checklist completed.	☐ Yes		
☐ Applicable	Follow-up action plan completed prior to Final Approval(attached).	☐ Yes		

APPROVAL:

Final Approver: [Signature]

Date: 1/8/98

V-1540 DECK

Engineering Project #: 970564

Estimator(s): M. BELGARD

Plant/Block: Louisiana Div. / METHANES / BLOCK 46

Print Date: 22-May-1997

STRUCTURAL STEEL	10,769
PIPING	3,055
INSTRUMENTS	1,076
PAINTING	253
INSULATION	1,691
SALES TAX	621
=====	
DIRECT COST	17,465
ENGINEERING	6,001
PROJECT SUPRV.	2,351
CONTINGENCY	3,483
=====	
PROJECT TOTAL	\$29,300

Expected estimate accuracy of +35% to -20%

Project phase: 1

Note: Escalation and Capitalized Interest are not included. Not for funding.

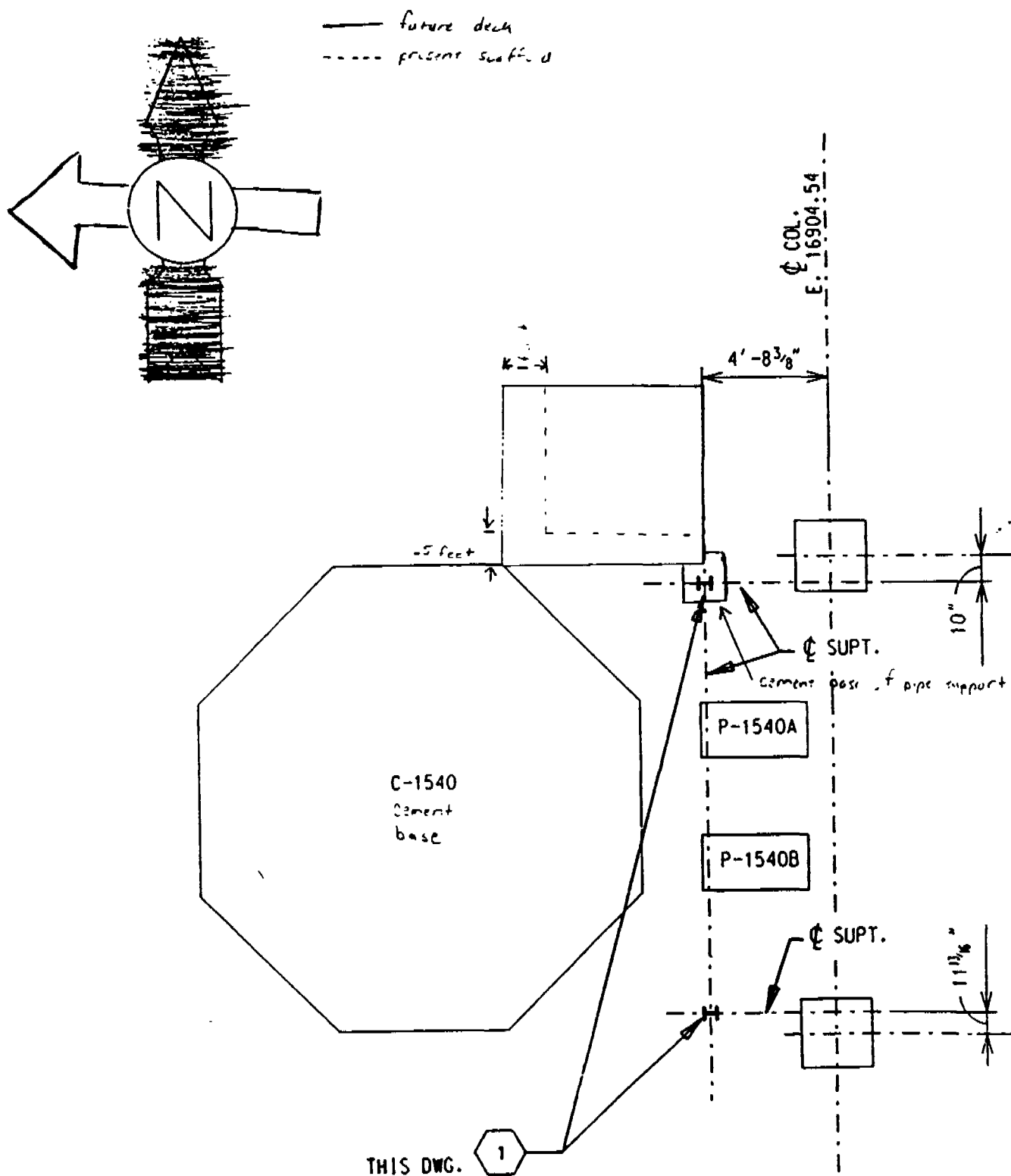
Charisman Campbell
Methanes 3601
Phone: 4723

SCOPE

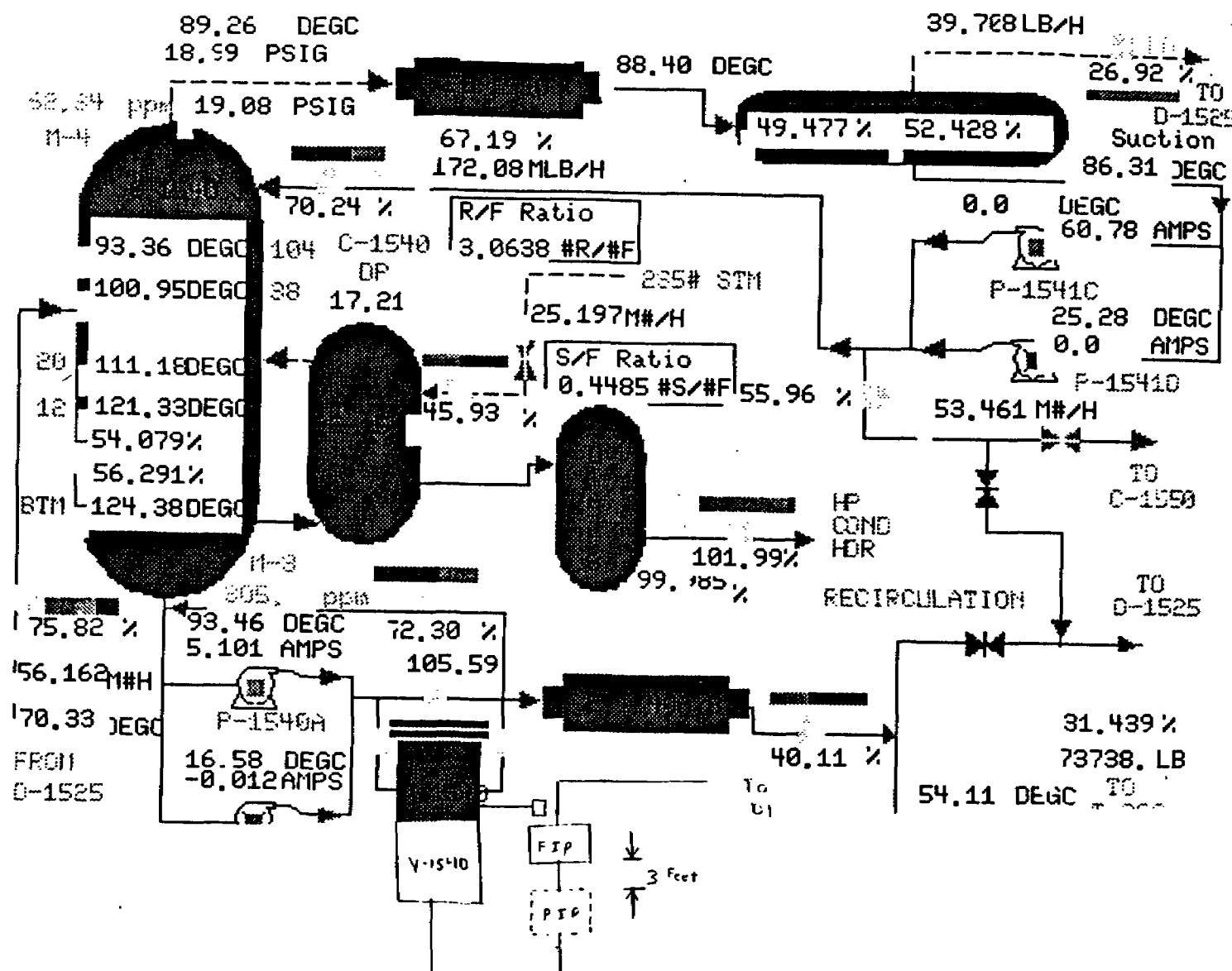
Recently the V1540 filter system has required a lot of attention due to an unexpected amount of replacements and cleaning that have been necessary. Initially, V1540 was constructed to undergo an insignificant amount of entrance, but unfortunately that has not been the case. Currently, there is a permanent scaffold in place, but a decision needs to be made whether to replace the scaffold with a deck. So at this time there is a need for the estimate of a deck whose dimensions would be a close replica of the scaffold. The only changes that should be made between the scaffold and the deck is that the deck should be a foot higher. It should be extended a foot longer than the scaffold toward the control room and C1540. It should also be extend half a foot west of the control room and toward Building 4610. A change that needs to be made to V1540 is that the pipe (CPI 32601) that travels from the bottom of V1540 to D1 that contains the valves and insulation needs to be raised three feet for easy access by the operators. In order to raise the insulated pipe three feet the pressure gauge (PI 32602) that is between two flanges needs to be redirected toward the north.

DO A 026901
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1
2
3
4
5



PIPE SUPPORT LOCATION PLAN



— Exhaust Steam and Air
--- Process Feedwater and Air

WORK ORDER REQUEST FOR PROJECT

Project Eng ->Forward to your Admin Rep., not project controls.

Construction-> Please reply to person who sent the request

Engineering project number: 970564 Title: NEED ENGINEERING COST ESTIMATE
FOR V-1540

Project Engineer: DONALD DUGAS

Engineering man-hour work order 79212551

Project Eng. ->At your earliest convenience (required 2 working days prior to first MST or CID) please check the appropriate work orders that engineering will use for this project. If this form is not filled out and sent to the Admin Rep, then the first MST or CID will take a minimum of four hours to process.

Construction ->Please enter the cost center used for materials and field labor on this project:

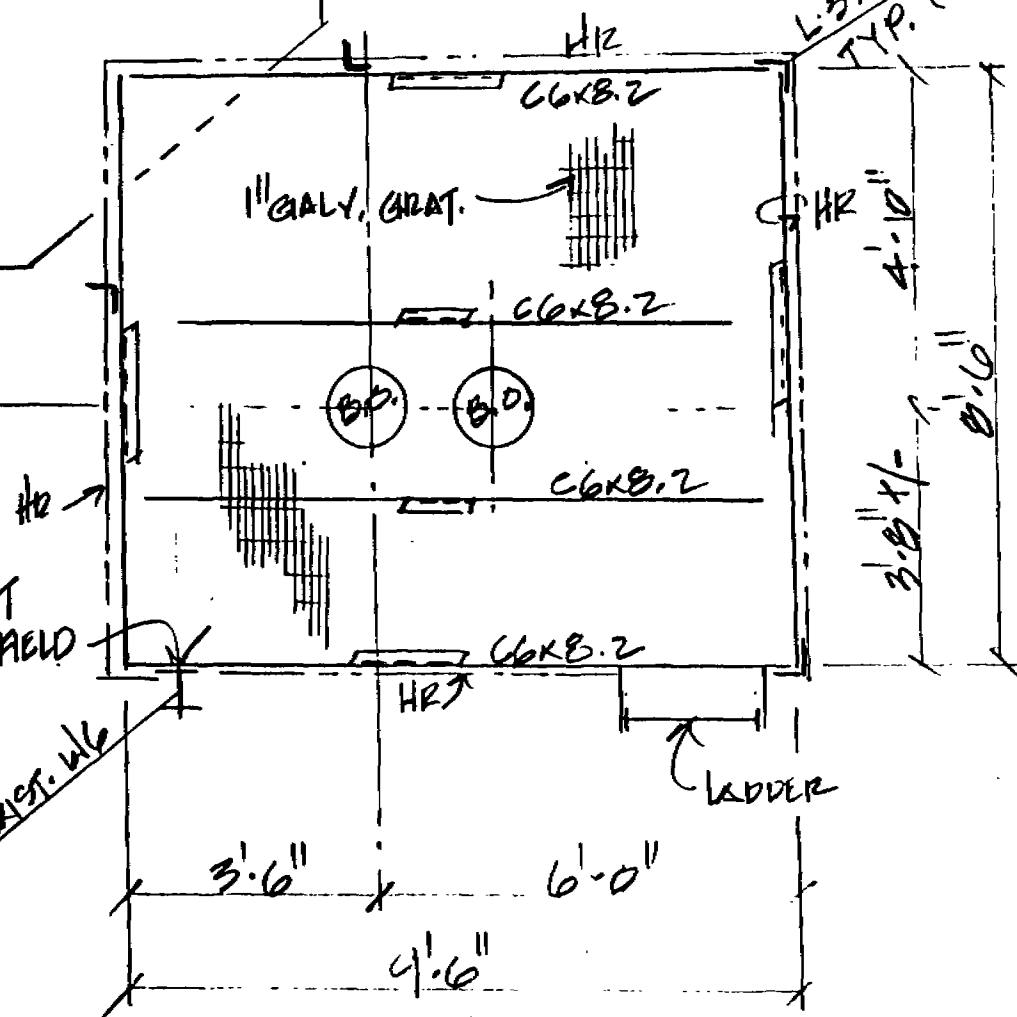
<i>Checked by Project Eng</i>	<i>Work Order by construction group</i>
☐ MST's	
☐ Mechanical CID	
☐ Instr./Elec. CID	
☐ Structural CID	
☐ Other CID	
☐ Contract 1	
☐ Contract 2	
☐ Contract 3	
☐ Contract 4	

ENGR. NO. 71074
W.D. No. 792125

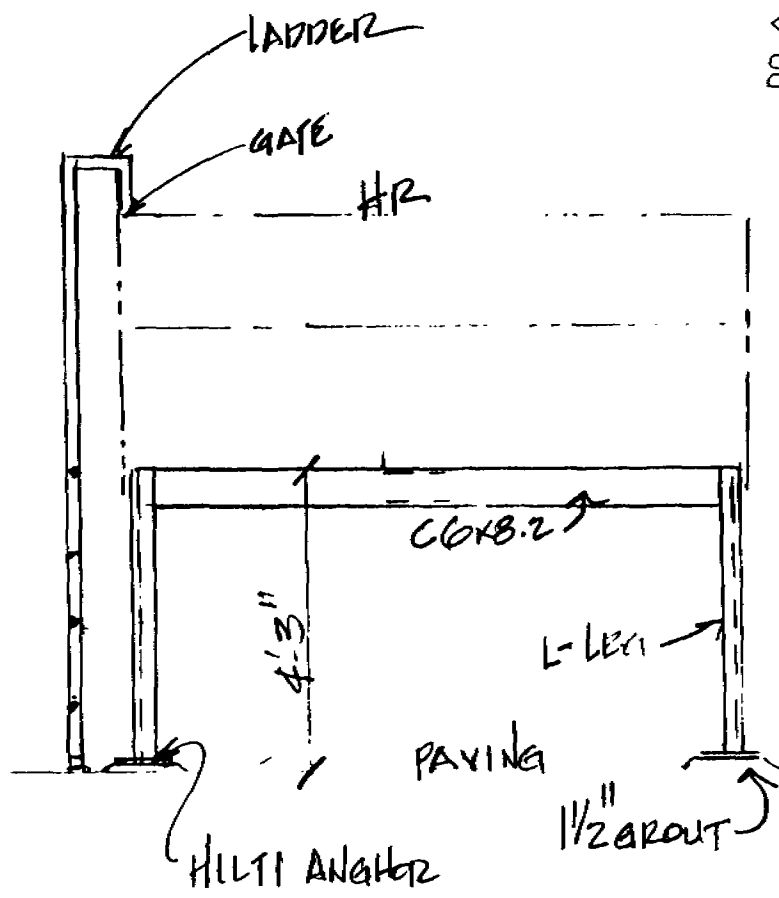
V-1540 Filter Deck

NOTES

← EXIST. C-1540 PEDestal
L-3 1/2 x 3 1/2 x 3/8
TYP. (4) PLACES



PLAN



SECTION looking south

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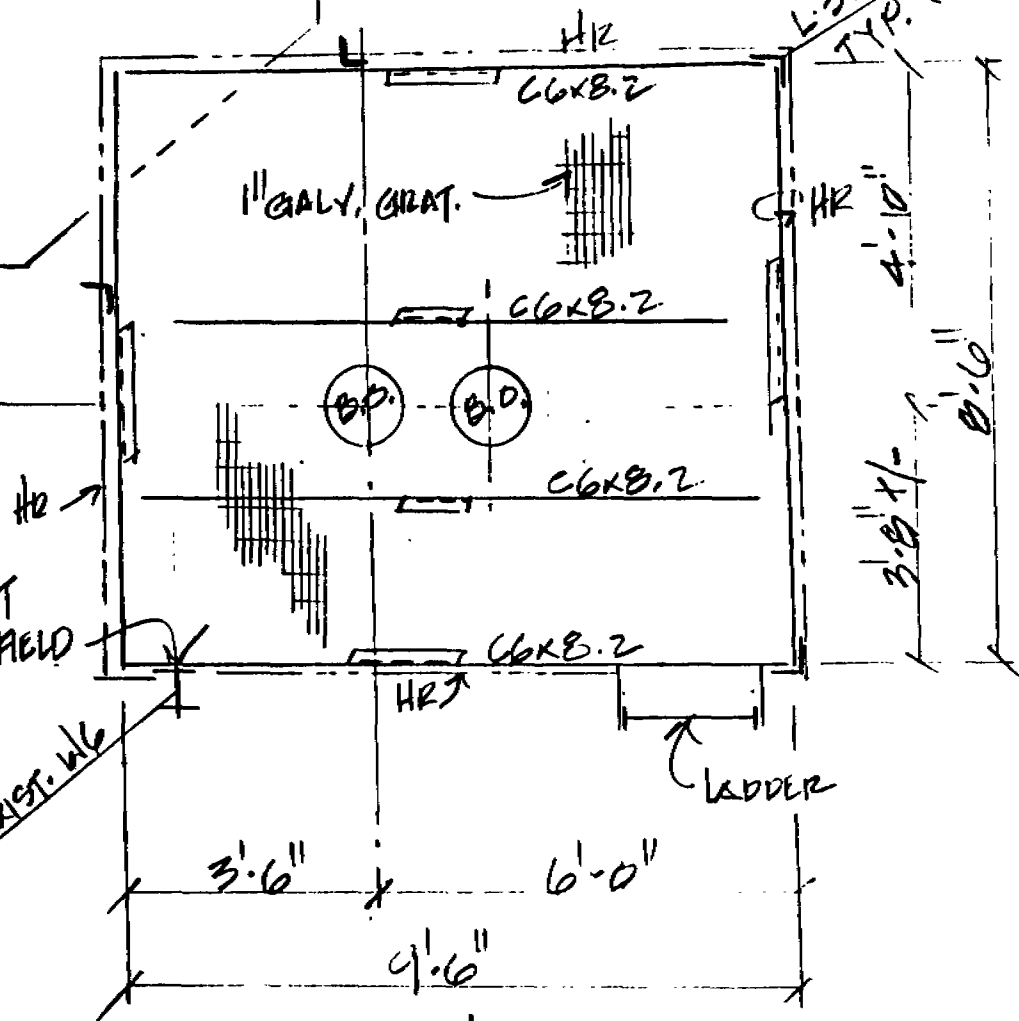
WETLANDS

← EXIST. C-1540 PERLITE AL

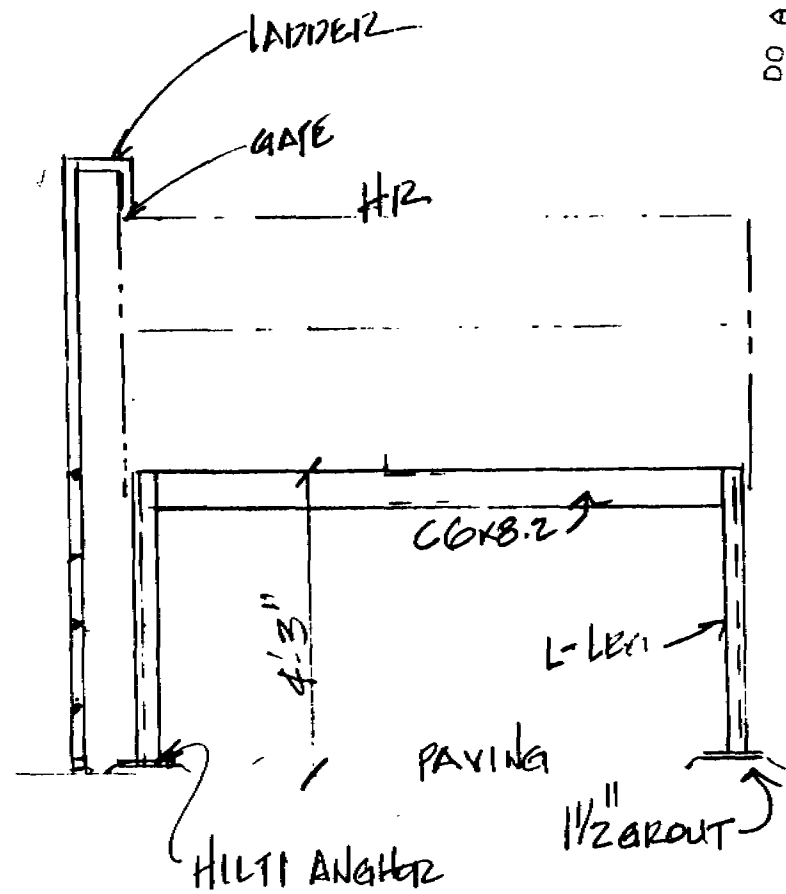
H/2

L-3 1/2 x 3 1/2 x 9 1/2
TYP. (4) PUFF.

AL
L. 3 1/2 x 3 1/2 x 3 1/2
TYP. (4) PUG.



PLAN



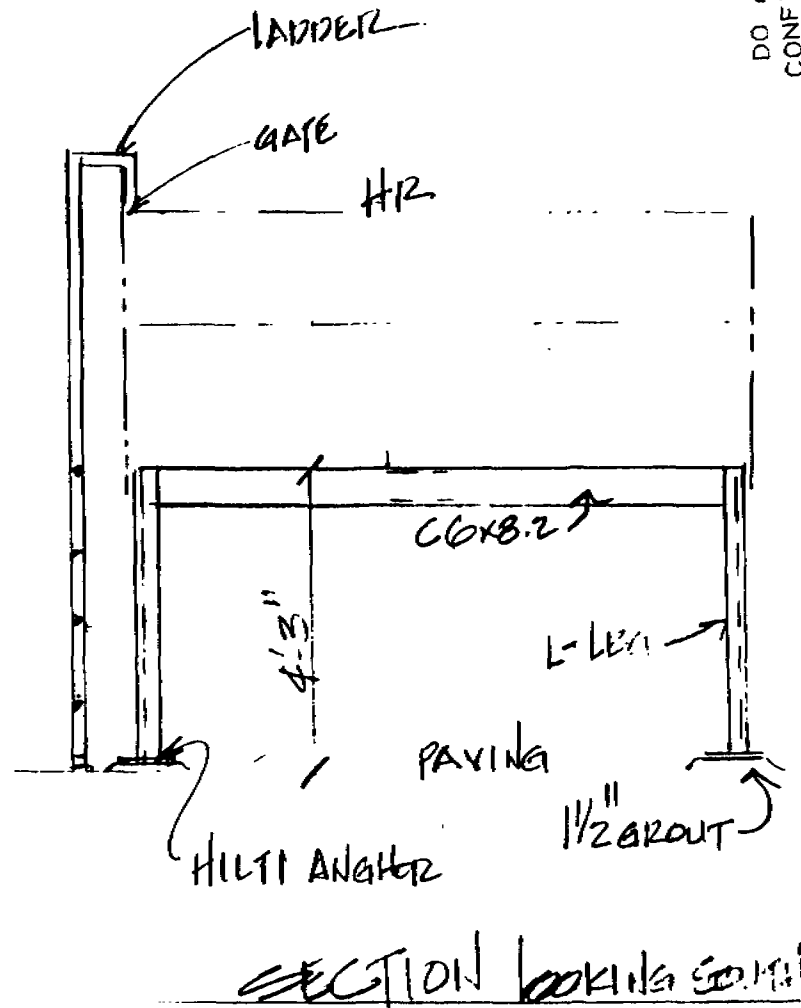
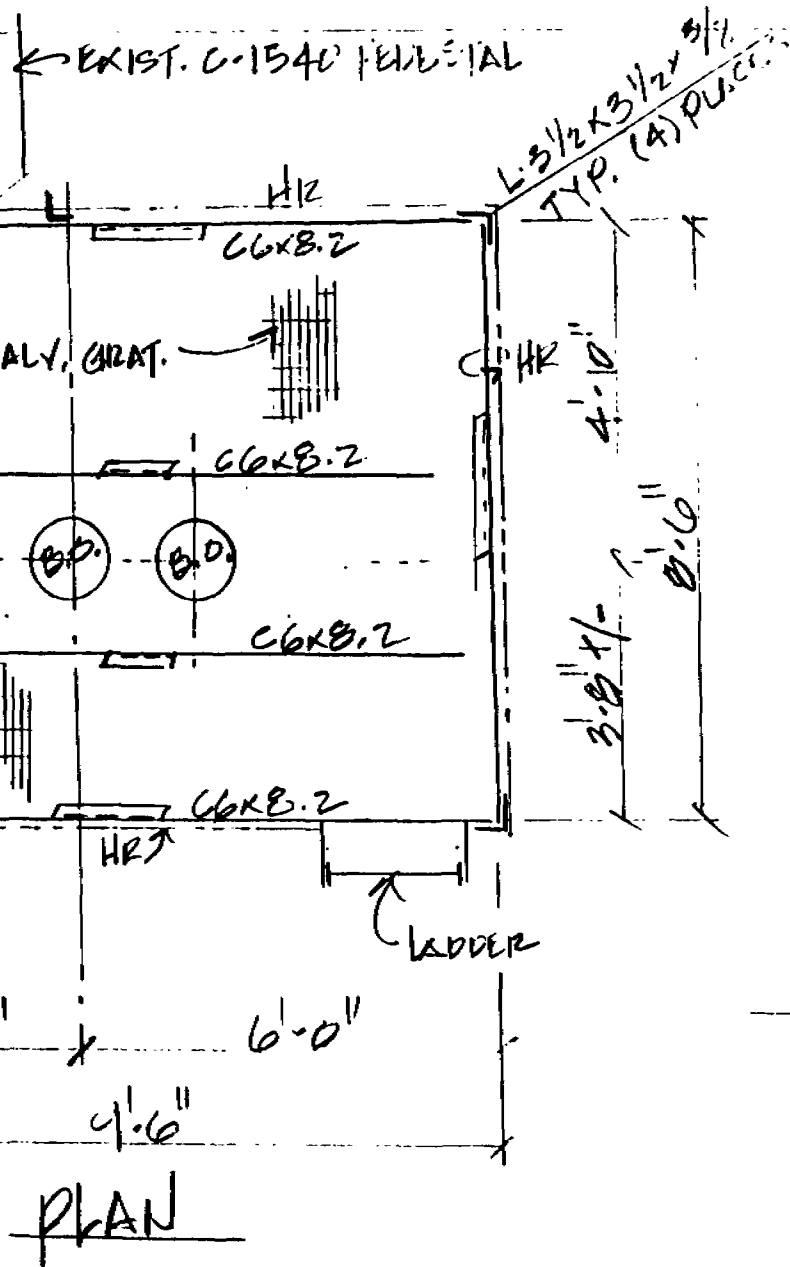
SECTION LOOKING SOUTH

DO A 026907
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ENGR. NO. 71051
W.D. No. 792125

V-1540 Filter Deck

NOTES



DO A 026908
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Rolke, Richard (RW)

Fr m: Brekken, Robbie
Sent: Thursday, October 30, 1997 3:12 PM
To: Taylor, Don; Rolke, Richard (RW)
Cc: Brekken, Robbie
Subject: 82038 Capital Authorization
Sensitivity: Confidential

Your authorization LA-82038 Crude Tet Filter Platform, Methanes is complete.

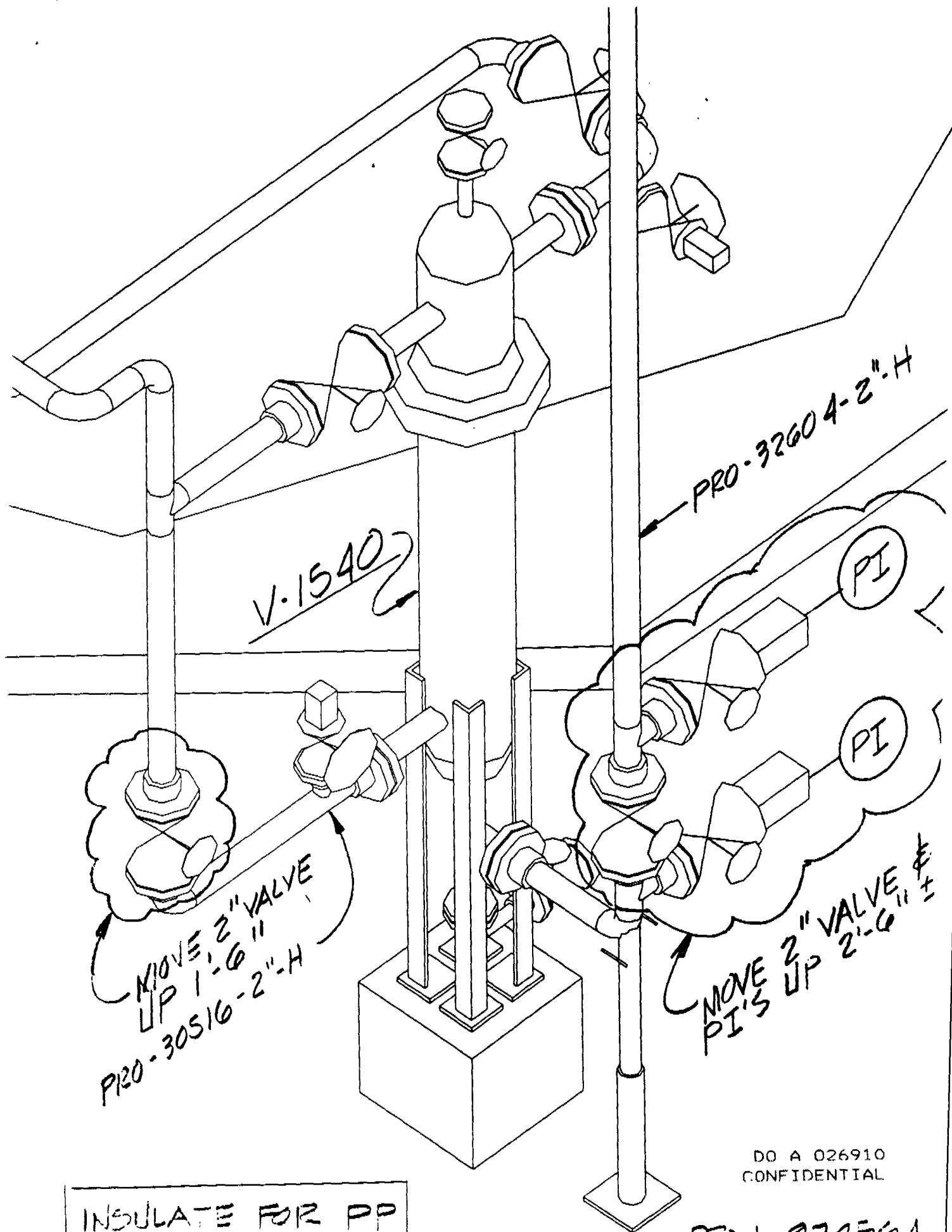
An electronic file of it is in LANT54\CAP_AUTH\AUTHORIZED folder for you to print for your files.

If you need to open a Work Order for this authorization, please call the Maintenance Information area Key punch personnel at extension 8951 with the authorization number to get the project entered into the Maintenance System.

If you have any questions, please call me.

Robbie

Roberta Brekken
Louisiana Division Capital Coordinator
504-353-1819



INSULATE FOR PP

DO A 026910
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PROJ. 970564