

PRELIMINARY NOTIFICATION

S. J. Chilk

March 1, 1977

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-77-35

This preliminary notification constitutes EARLY notice of an event of POSSIBLE safety or public interest significance. The information presented is as initially received without verification or evaluation and is basically all that is known by IE staff on this date.

Facility: Consumers Power Company (Midland Unit 2)
(Docket No. 50-330) Midland, Michigan

Subject: BULGE IN CONTAINMENT LINER PLATE

A bulge was discovered in the containment liner plate at approximately 11:00 p.m., February 26, 1977, during a routine weekend walk through of the construction area. The containment liner was separated from the concrete by a maximum of three feet in an area approximately 20 feet wide and 107 feet high. The liner plate had pulled away from penetration areas and water was observed coming through tears in the liner plate.

Additional holes were cut in the liner plate to facilitate draining; however, water continued to flow. The construction water supply was then valved off and the drainage stopped.

The source of the water is reported to have been the 2-inch construction water line imbedded in the concrete. This water supply is used primarily to wet down the concrete during the curing process.

Three holes, 12 inches wide and 24 inches high, were cut in the bulge to inspect for damage. Concrete was observed to have been pulled out by the angle iron imbedments that are welded to the liner plate. The extent of the damage and the impact on the construction schedule is not known at this time. Region III dispatched an inspector to the site on Monday, February 28, and will follow this event closely.

Local press interest is anticipated due to the current public hearing regarding continuation of the Construction Permit. The licensee has issued a press release.

Region III received notification of this occurrence from the Project QA Administrator of Consumers Power Company at 1:15 p.m., February 28, 1977. This information is current as of 10:00 a.m., March 1, 1977.

Contact: RFWarnick, IE x27261 GWRoy, IE x27261 DThompson, IE x27541

Distribution:

- | | | |
|-----------------------|----------------------|----------------------|
| Chairman Rowden | Commissioner Kennedy | S. J. Chilk, SECY |
| Commissioner Gilinsky | C. C. Kammerer, CA | G. F. Murphy, JCAE |
| L. V. Gossick, EDO | K. R. Chapman, NMSS | R. G. Ryan, OSP |
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| B. C. Rusche, NRR | H. K. Shapar, ELD | T. J. McTiernan, OIA |

Transmitted: PBldg *1:05P*; H St. *1:06P*; SS *1:08P*; Land *[Signature]*

Reg. III 1:10

PRELIMINARY NOTIFICATION

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PDR FOIA
RICE84-96
PDR

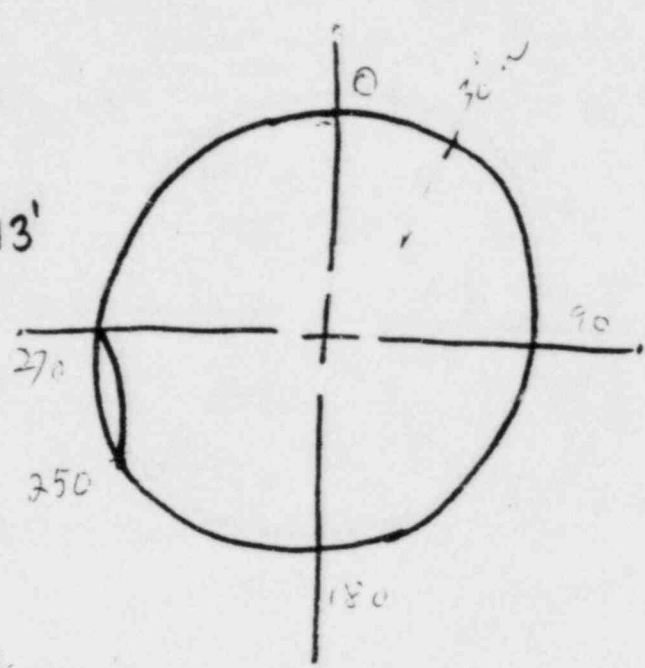
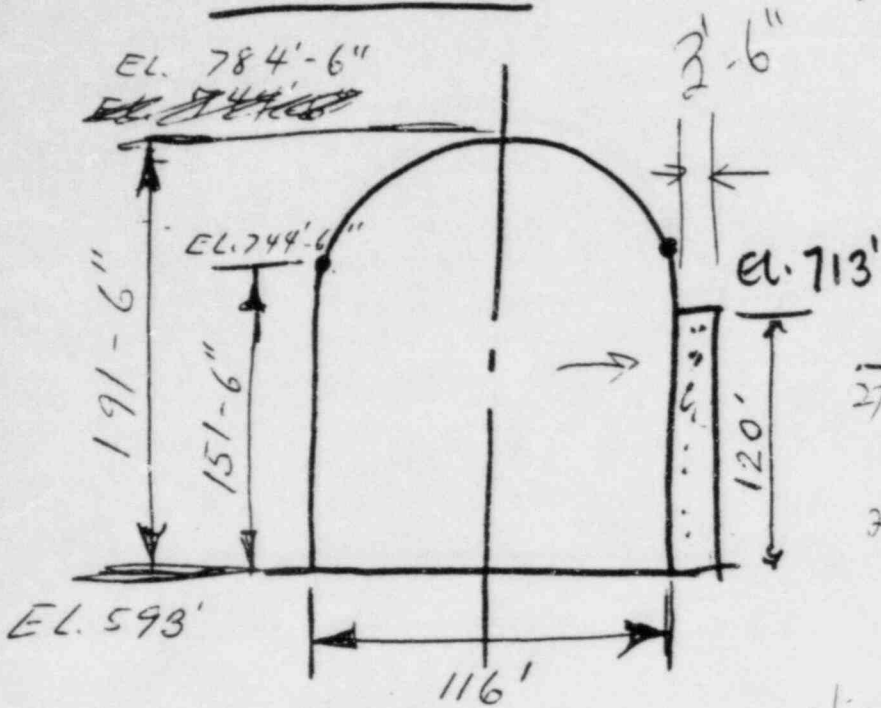
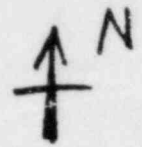
rec'd 12:20 3/1/77 gh

NONCONFORMANCE REPORT

1. Part Name	I, 4		Job No.	7220	11. No. of Sheets	7/1
2. Drawing/Part No.	H/A	Rev	H/A	4. Item Description	5. Item Location	Cover
3. Serial No.	H/A	8. Replacement Part	H/A	9. Construction	10. Contractor/Supplier	
6. Other	<input type="checkbox"/>	IR NO. <u>7220-C-11</u>	13. Switch Attached	YES <input type="checkbox"/>	NO <input type="checkbox"/>	14. Damaged During
12. Description of Condition: The Liner Plate in Containment #2 from Elev. 593'-6" to 700' ⁴ and Launch 250° to 270° separated away from the exterior wall concrete (the above appears to be boundaries). The separation ranged up to approximately 6.0 feet. The condition of the concrete during the separation, appears to be #1.109. No field test applied. Hold for Engineering Disposition.						
16. Name of Inspector: <u>[Signature]</u> Date: <u>1/17/67</u>						
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Unit 2

.433



~ 107' high
 ~ 20' wide

1200 $\frac{\text{lb}}{\text{in}}$
 ? 80 $\frac{\text{psi}}$

13[#] 12000
96,000

1/4 Liner Plate

3/16" weld

channel

5 [6.7

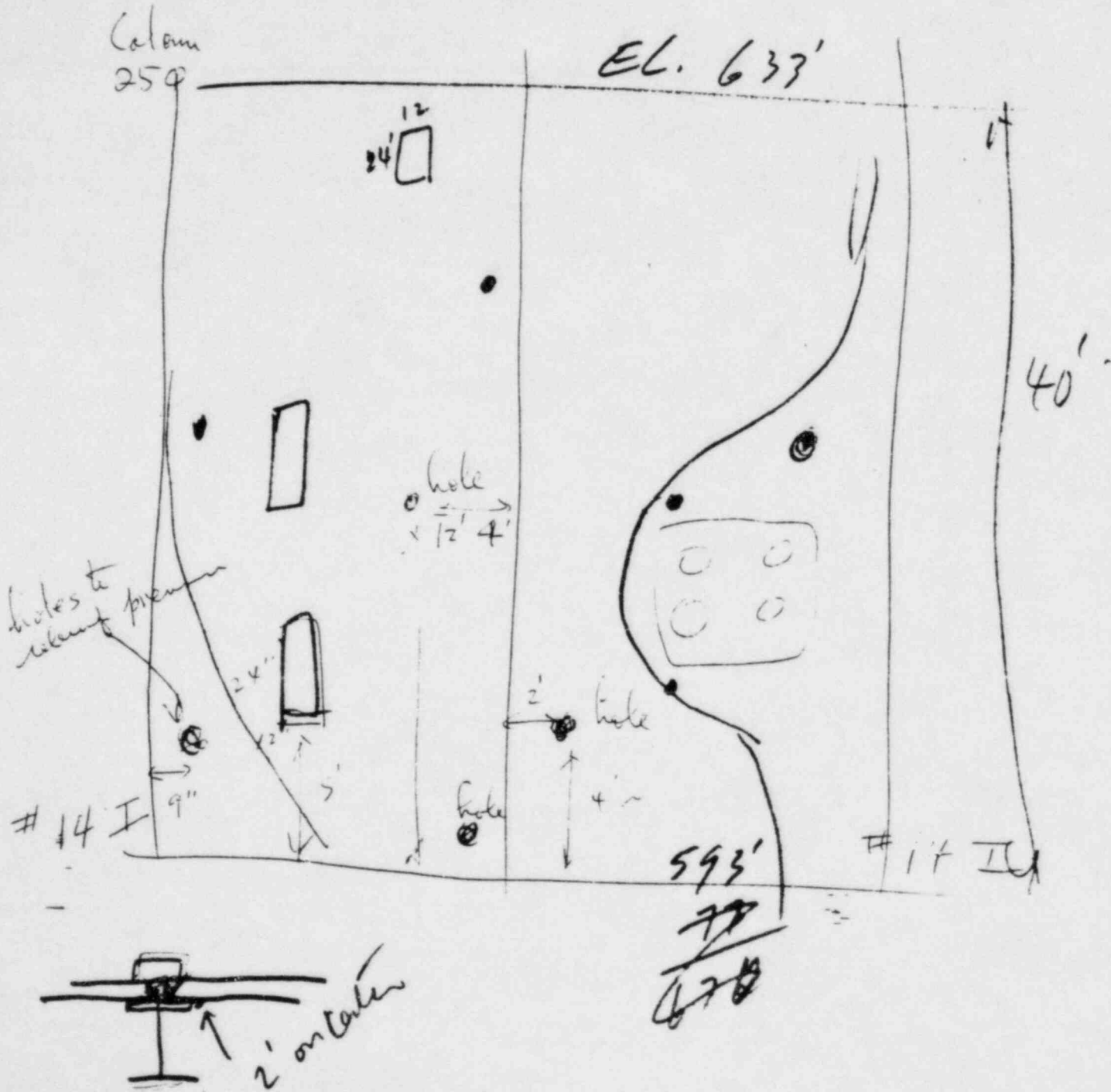
~ 4'

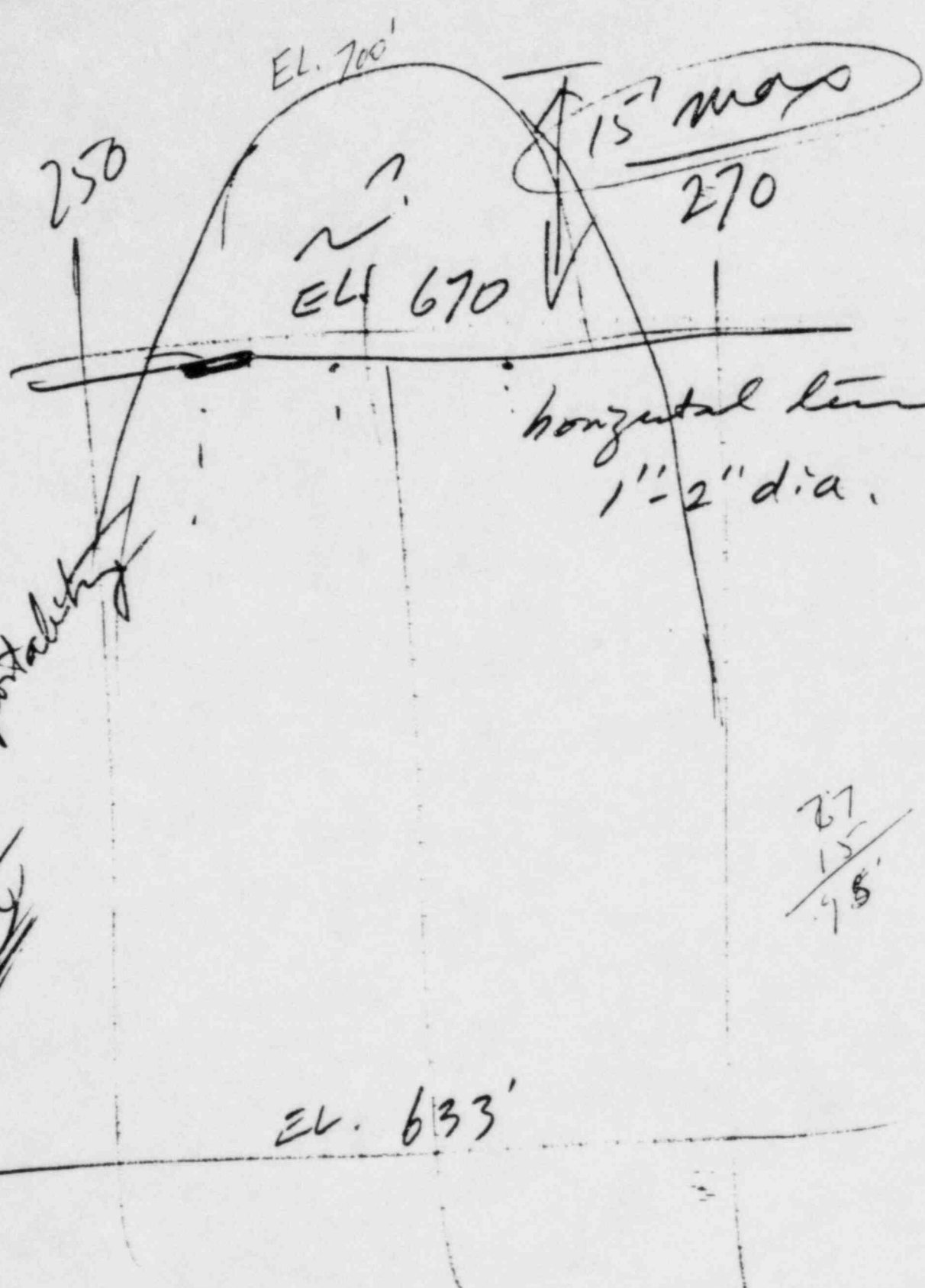
L 3x2x1/4

Spaced ~ 14"

Liner plate & L iron supported from the channel

@ 11:00 pm
 Problem identified: 2/26/77 Sat, by Babbitt
 Reported to CP on 2/27/77 @ 11:00 am
 - Cf 56 55(e) report to NRC III 2/28/77 @ 1:15 pm





~~Review Report~~
~~Design~~

27
 15

 45'

PROJ. ENG. - A²

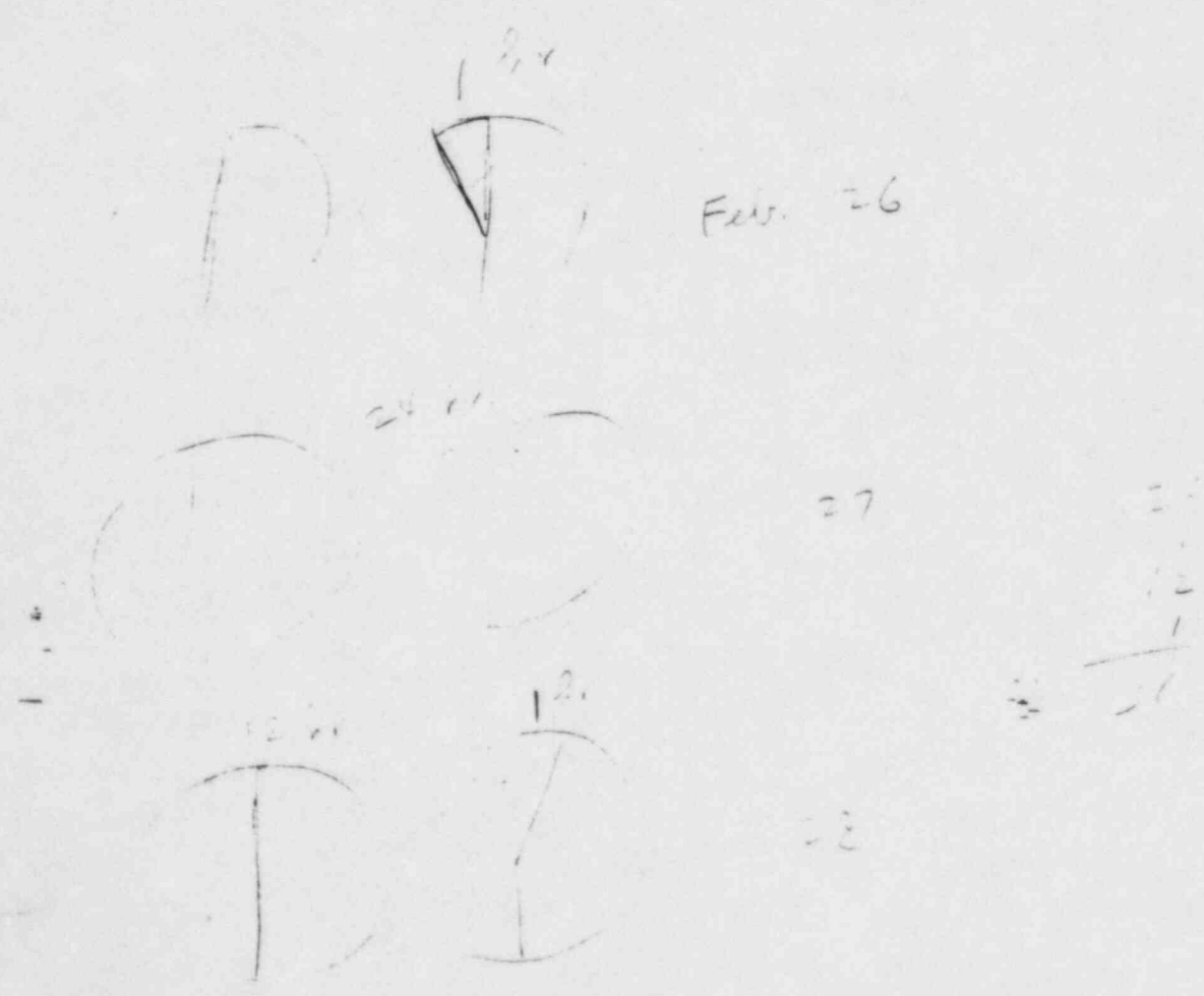
AAO

R. Castleberry - P.E. ✓
J. Hink A.P.E.
B. Dhar
T. Thirugaradam

K. Weedner ENG. MGR.
Fred Meyer - CHIEF CIV. ENGR.
M. Elgaly - CIVIL STAFF ENGR.
Civil Des Engrs

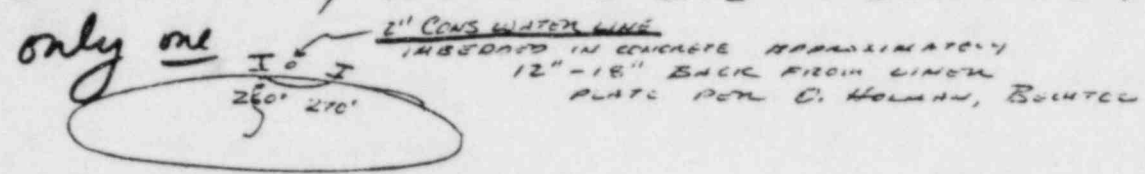
S. F. OFFICE

Howard Wahl - MGR. OF ENGINEERING
Ted Johnson - SUPV. - ~~CENTAINMENT DESIGN GROUP~~
SPEC. STRUCTURES GROUP

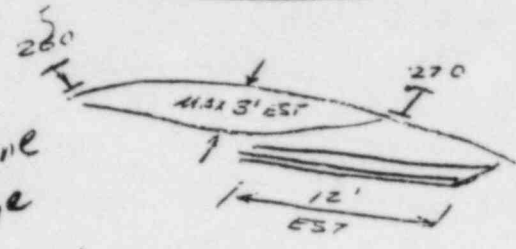


SUNDAY FEB 27, 1977

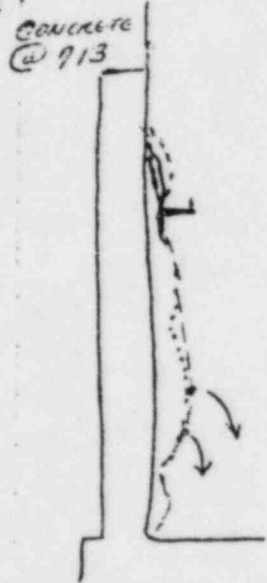
1145 REC'D CALL @ HOME FROM JFAV @ SITE
LINER PLATE, RBII HAS LARGE BUBBLE
OR BUBBLE NEAR 260° AZIMUTH
IMMEDIATELY WENT TO SITE & OBSERVED:



one
for ea.
cont.
also air line
& grease line



BUBBLE DAMAGE
CROSS SECTION AND
SECTION OF WIND
GIRT TORE LOOSE @ 670 =
ABOUT 12' HORIZONTAL



PROFILE OF DAMAGE
BUBBLE STARTS ABOUT 15' ABOVE
WIND GIRT
SOME CONCRETE SPALLING (O. Holman-Buntel)
SOME HOLES IN PLATE WHERE L
STIFFENER TORE LOOSE
WATER STREAMING OUT SOME HOLES
PENETRATION HOLD PLATE BACK SOME
WEAR BOTTOM

1207 INFORMED PROJECT MANAGER AND QA (J.L. COLLEY)
1225 COLLEY @ SITE

BUNTEL FIRE WATCH HAD DETECTED THIS ABOUT
2300 HRS ON 2-26-77 (LAST NIGHT)
NEWGEN NOTIFIED WEIGNER, CASTLEBERRY, BEE,
KENNEDY AND HERMISTON
JOINT TELECON - COOK & COLLEY TO HW SEASIDE
1320 DEPART SITE

[Handwritten signature]