OCT 14 1980

Docket No. 50-219

MEMORANDUM FOR: Dennis M. Crutchfield, Chief
Operating Reactors Branch #5
Division of Licensing

FROM: W. A. Paulson, Project Manager
Operating Reactors Branch #5
Division of Licensing

SUBJECT: SUMMARY OF MEETING ON SEPTEMBER 9, 1980 TO DISCUSS JERSEY CENTRAL POWER AND LIGHT COMPANY'S RESPONSE TO OUR JULY 10, 1980 LETTER ON SEP TOPIC III-5.B, PIPE BREAK OUTSIDE OF CONTAINMENT FOR THE OYSTER CREEK NUCLEAR GENERATING STATION

On September 9, 1980, a meeting was held in Bethesda, Maryland with representatives of Jersey Central Power and Light Company (JCP&L) and their consultants. A list of attendees is enclosed (Enclosure 1). The meeting agenda is listed on Enclosure 2.

In our July 10, 1980 letter to JCP&L, we requested that the licensee provide a schedule for modifications to be installed to provide adequate protection against the effects of postulated pipe breaks in the emergency condenser steam and condensate lines in the reactor building. Schematic diagrams of the system are shown on the meeting handouts (Enclosure 3).

One concern is that the effects of a postulated break could prevent the two isolation valves on the steam supply line from closing. The licensee stated that there is not sufficient room inside containment to install another isolation valve. Barriers would be massive because of the size of the lines. Accordingly, they are going to propose a leak detection system based on the concept that the pipes will leak before they break. JCP&L is considering two concepts: (1) an acoustic system designed by Westinghouse, and (2) a moisture detection system. We indicated that they should also consider including augmented inservice inspection.

We stated that the acceptability of their proposal would, in part, depend on the NRR staff's position regarding "leak before break." A staff paper on this subject related to postulated pipe breaks inside containment, is under review for approval

8010230322 P

With regard to postulated pipe breaks inside containment, JCP&L stated that they would like to have this topic reviewed based on their submittals to date. They do not want to have to postulate additional breaks that might be required in the staff's proposed position.

JCP&L stated that modifications that were made to the plant since the submittal of Amendment No. 75 to the Facility Description and Safety Analysis Report, have resolved our concerns regarding postulated main feed and main steam line breaks in the turbine building mezzanine area.

JCP&L is scheduled to document their responses to our July 10, 1980 letter by October 1, 1980.

W. A. Paulson, Project Manager
Operating Reactors Branch #5
Division of Licensing

Enclosures:
As stated

cc w/enclosures:
See next page

OFFICE	ORB#5:DL					
SURNAME	WAPaulson:dr					
DATE	10/14/80					

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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W. A. Paulson

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Division of Licensing

Enclosures:
As stated

cc w/enclosures:
See next page

Mr. I. R. Finfrock, Jr.

cc
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State of New Jersey
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Newark, New Jersey 07102

Gene Fisher
Bureau Chief
Bureau of Radiation Protection
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Commissioner
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Newark, New Jersey 07102

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Resident Inspector
c/o U. S. NRC
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Forked River, New Jersey 08731

Director, Technical Assessment Div.
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U. S. Environmental Protection
Agency
Crystal Mall #2
Arlington, Virginia 20460

U. S. Environmental Protection
Agency
Region II Office
ATTN: EIS COORDINATOR
26 Federal Plaza
New York, New York 10007

ENCLOSURE 1

ATTENDANCE LIST

September 9, 1980 meeting with NRC and Jersey Central Power and Light Co.

Name	Affiliation
W. Paulson	NRC
J. Knubel	JCP&L
S. Chan	JCP&L
J. Jonnson	MPR
W. Schmidt	MPR
H L. Brammer	NRC/DE/MEB
Y.C. Li	NRC/DE/MEB
T. M. Cheng	NRC/DL/SEPB
D. P. Allison	NRC/DL/SEPB

ENCLOSURE 2

AGENDA

I. INTRODUCTION - J. KNUBEL

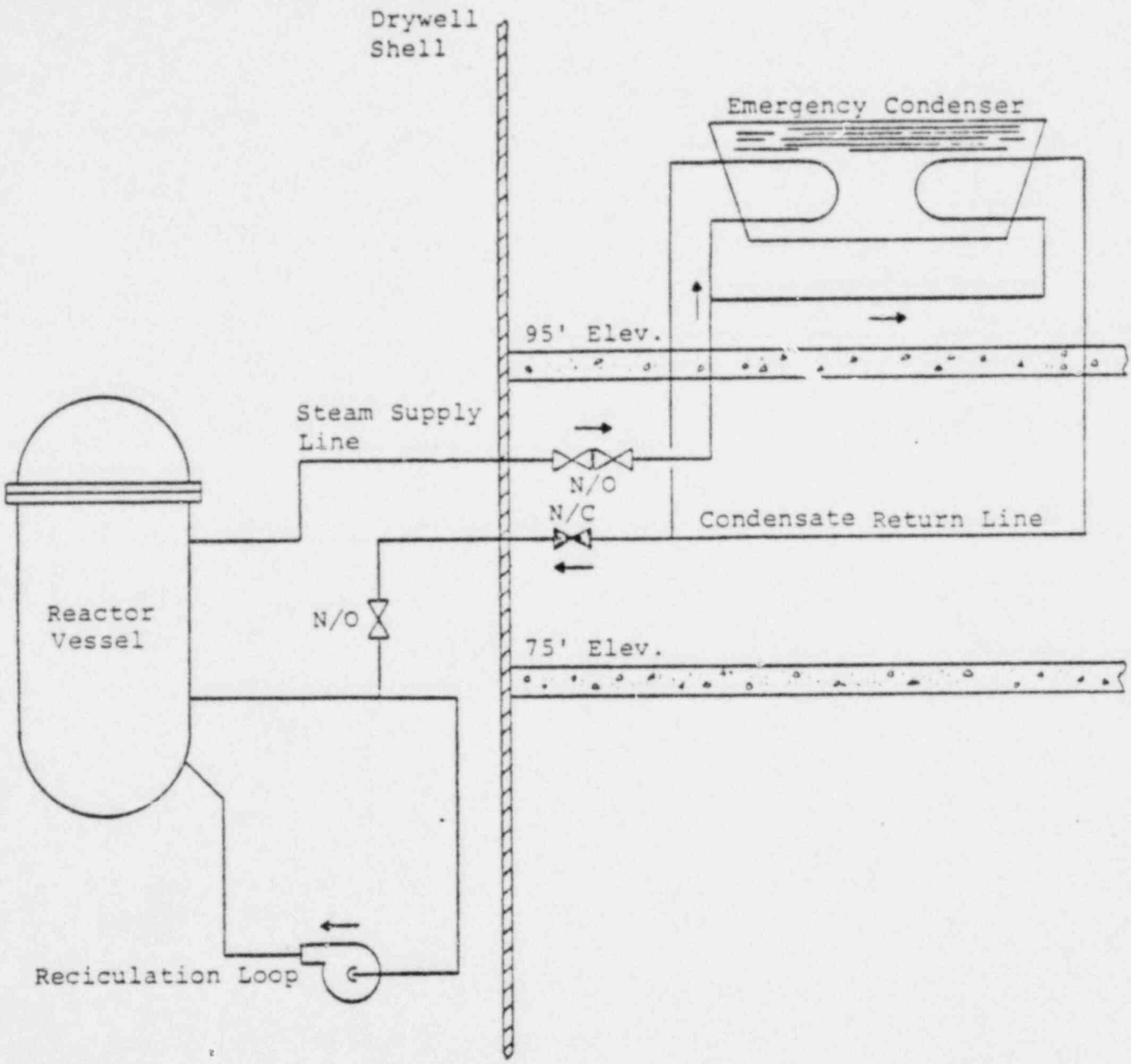
II. NRC STAFF POSITIONS - J. JOHNSON MPR

- EMERGENCY CONDENSER
- TURBINE MEZZANINE

III. NRC REQUEST FOR INFORMATION - J. JOHNSON

- CABLE SPREADING ROOM FLOODING
- CABLE TRAY 13A
- COMPARISON WITH B.2.C of BTP ASB 3-1
- COMPARISON WITH B.1.b of BTP MEB 3-1

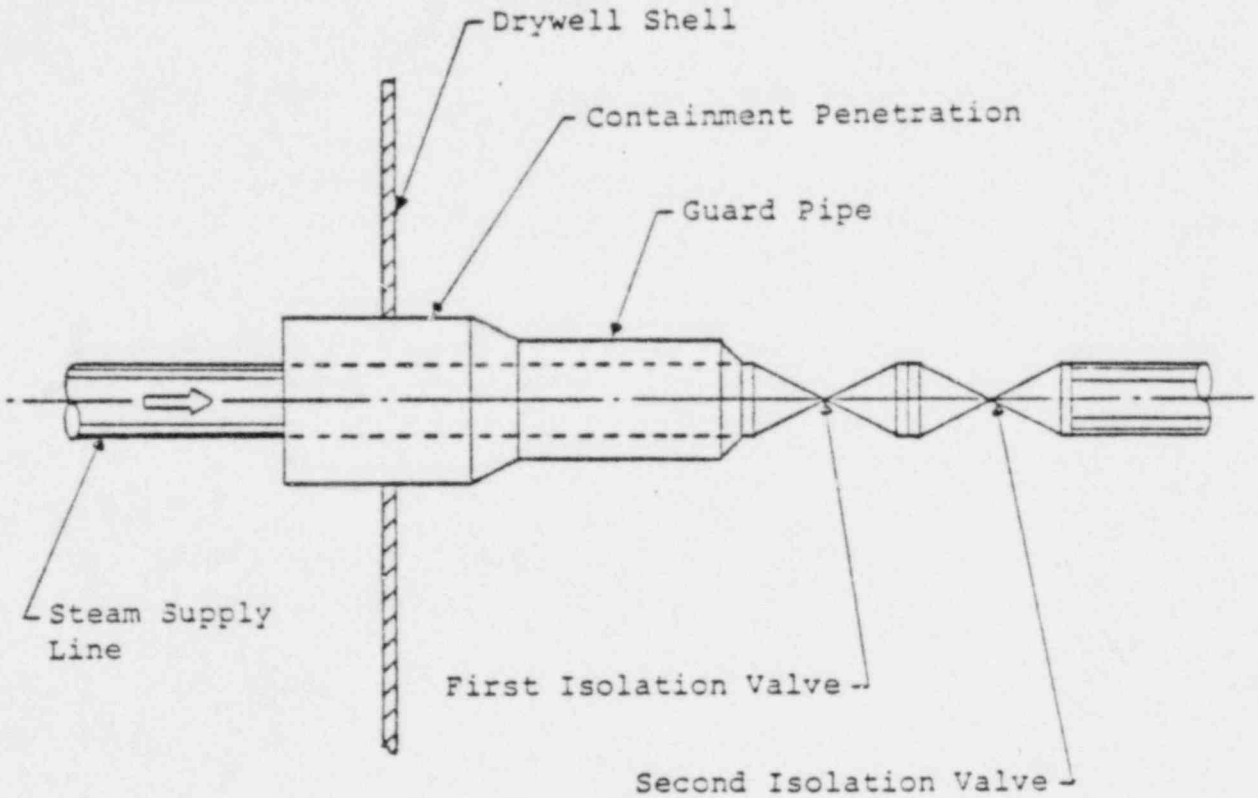
IV. STATUS OF HIGH ENERGY LINE BREAK INSIDE CONTAINMENT - (DISCUSSION)



NOTE: Only One of Two Systems Shown.

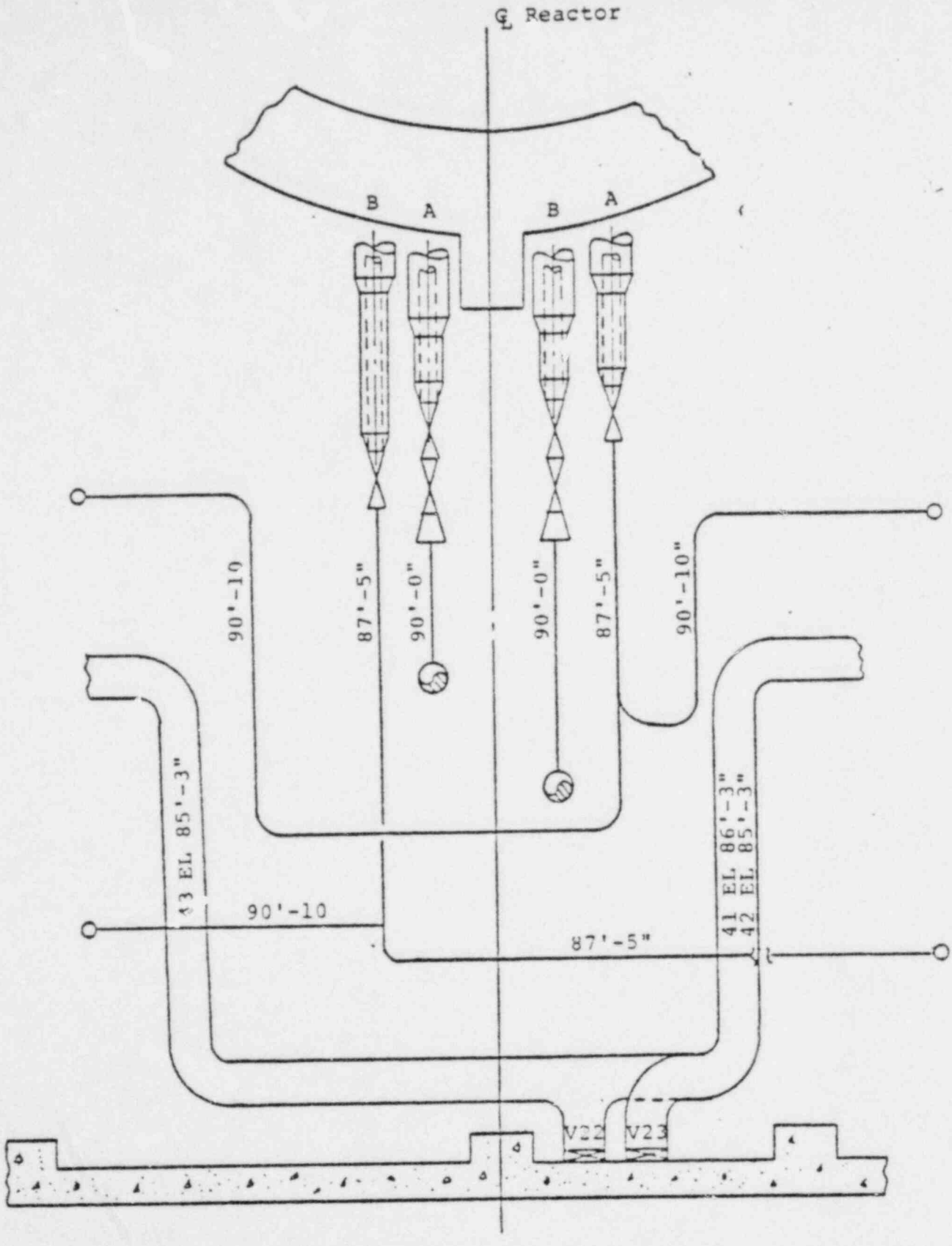
SCHEMATIC DIAGRAM
EMERGENCY CONDENSER SYSTEM

FIGURE 1



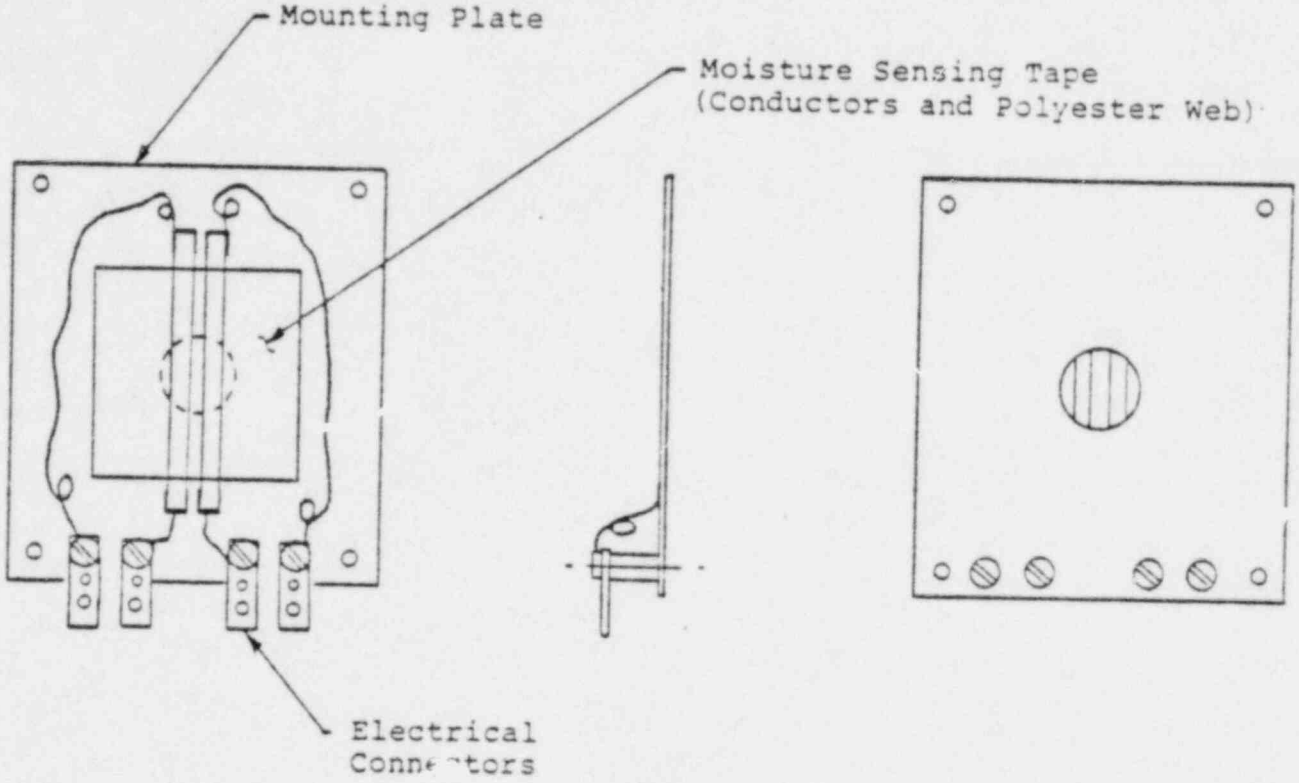
CONTAINMENT PENETRATION
EMERGENCY CONDENSER SYSTEM

FIGURE 2



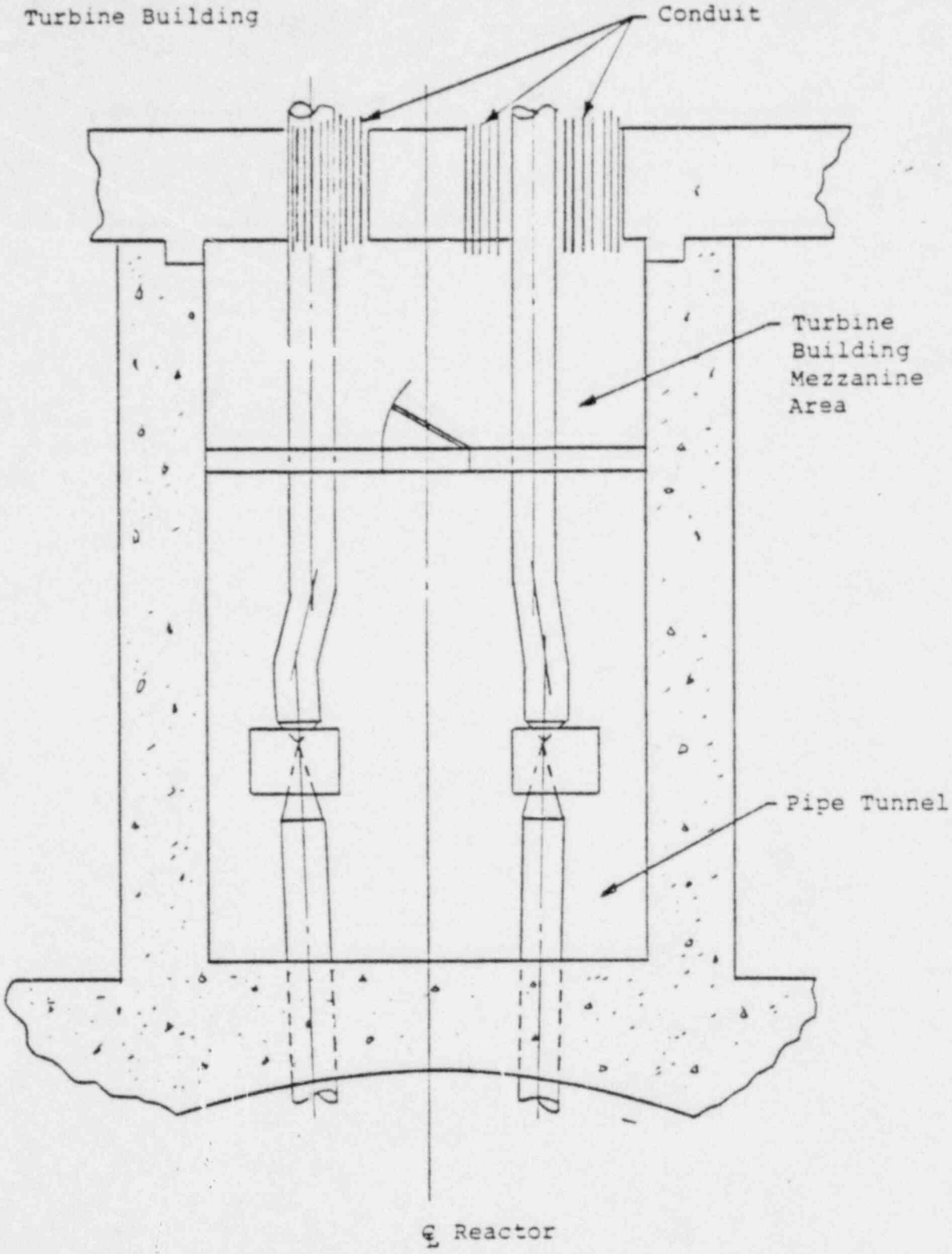
PLAN VIEW
EMERGENCY CONDENSER PIPING

FIGURE 3



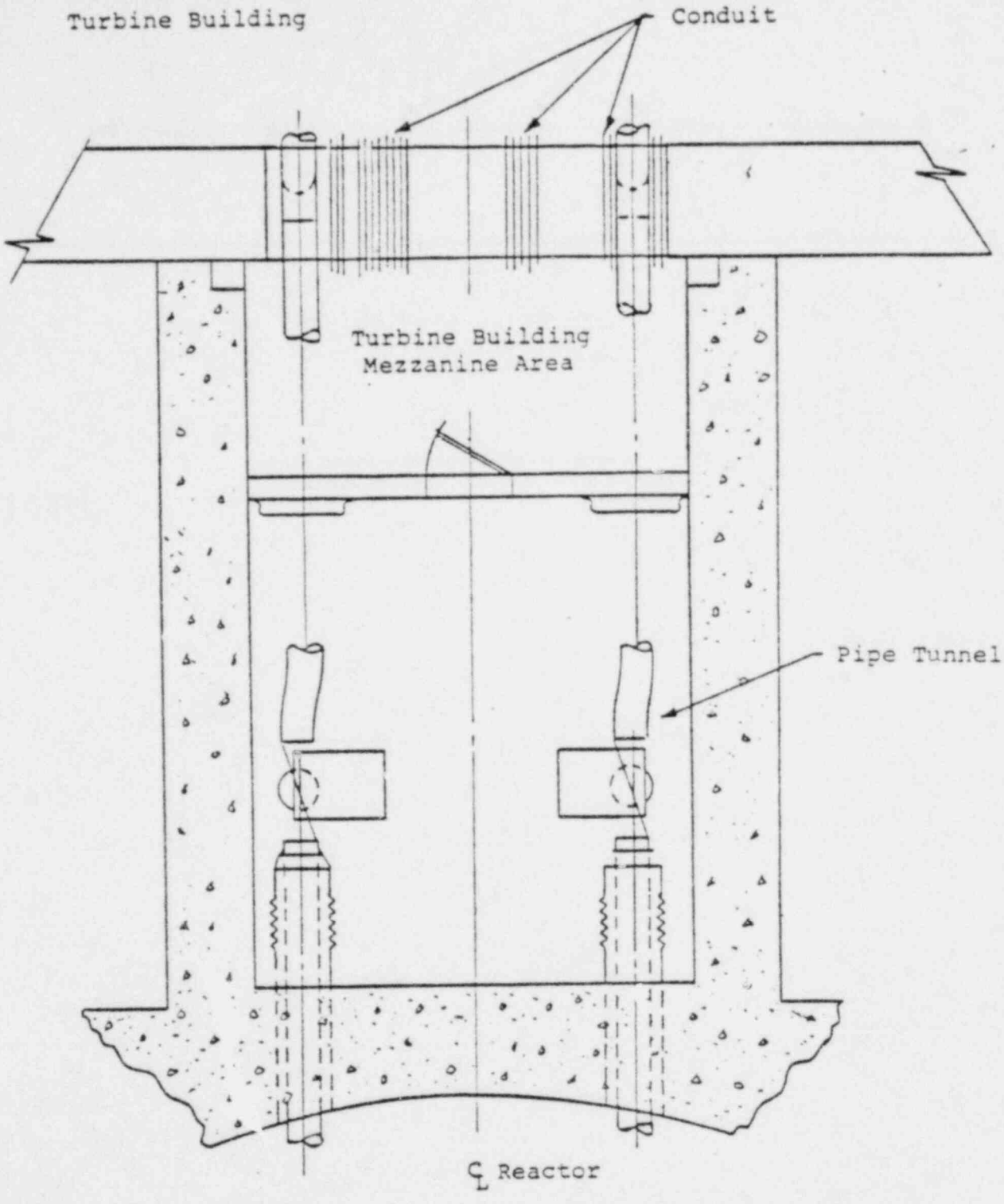
MOISTURE SENSING ELEMENT

FIGURE 4



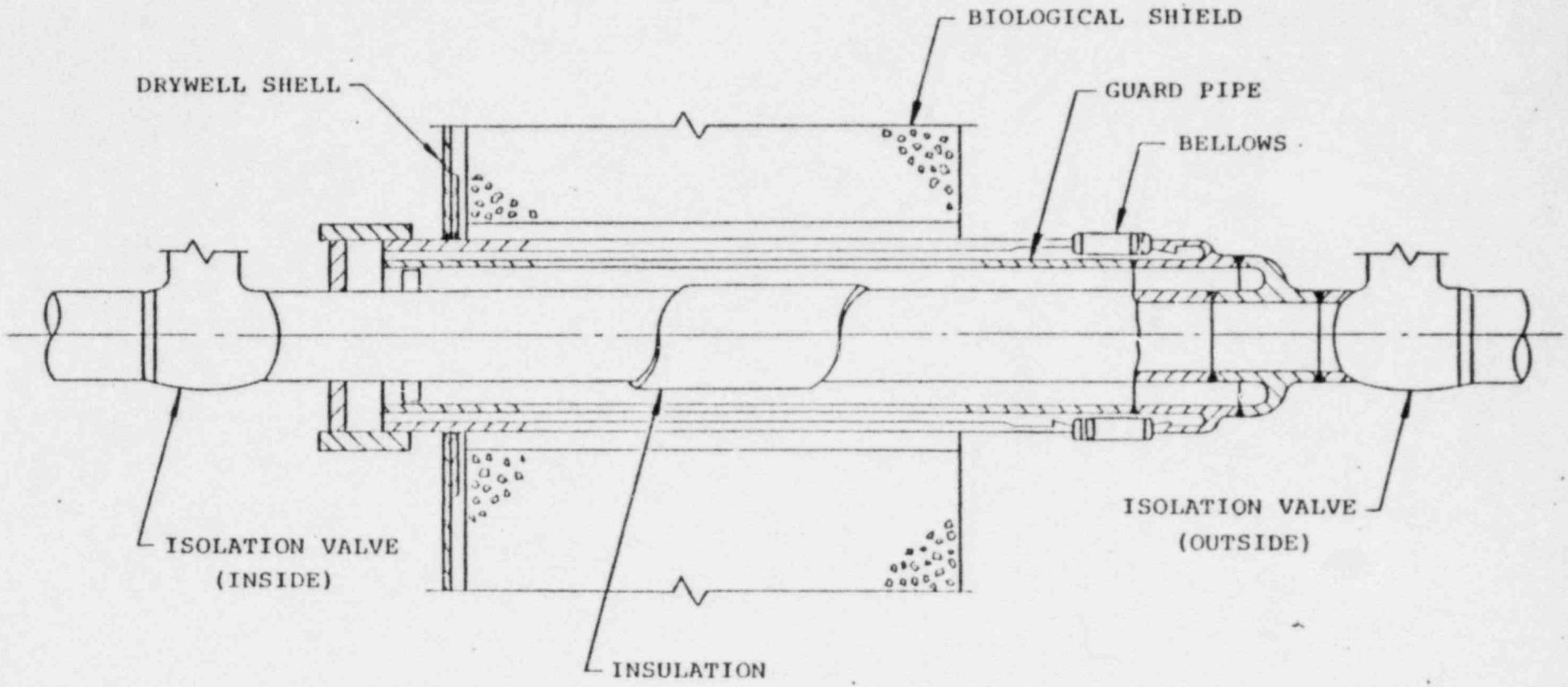
PLAN VIEW
MAIN STEAM PIPING

FIGURE 6



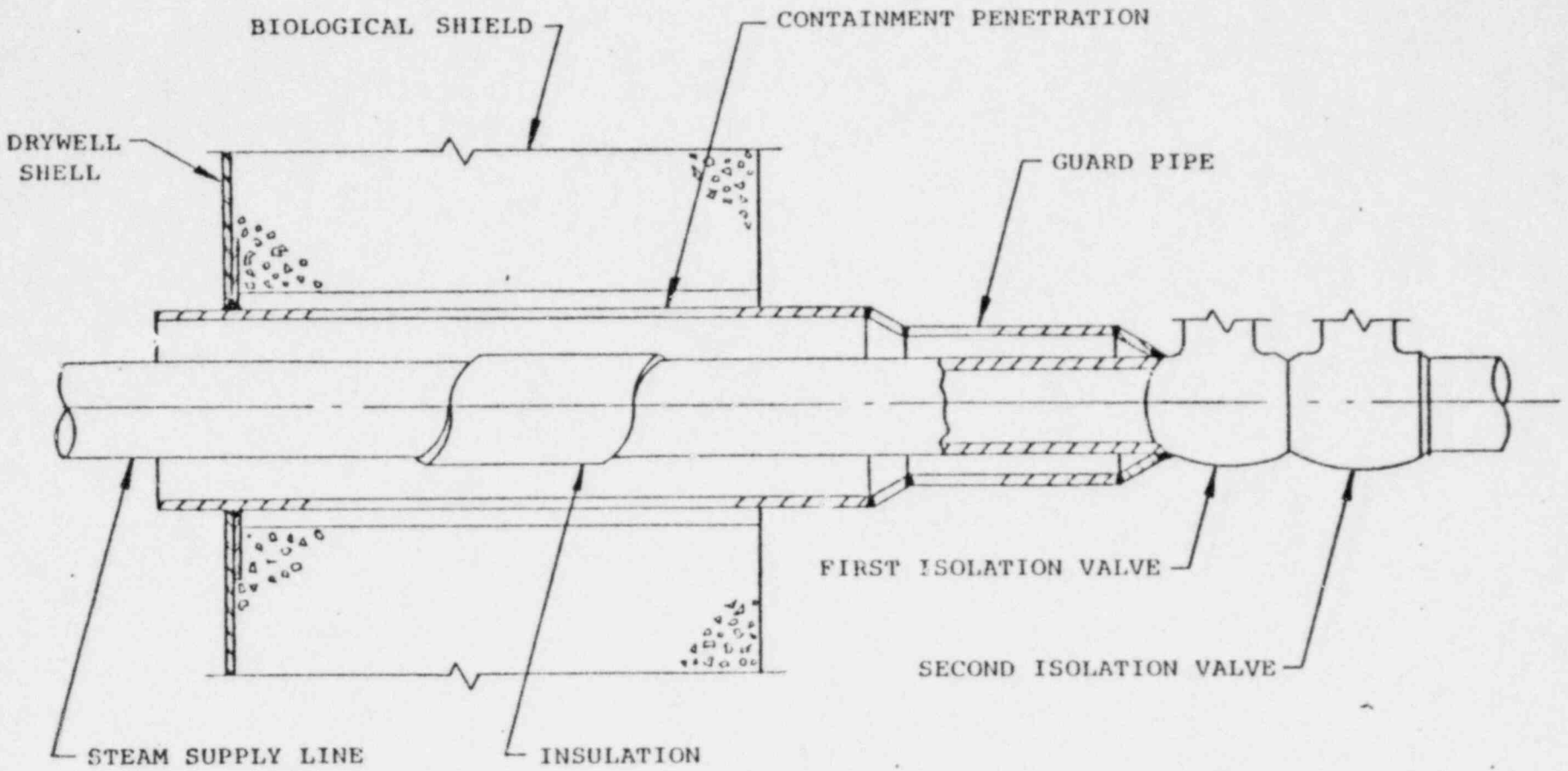
PLAN VIEW
FEEDWATER PIPING

FIGURE 7



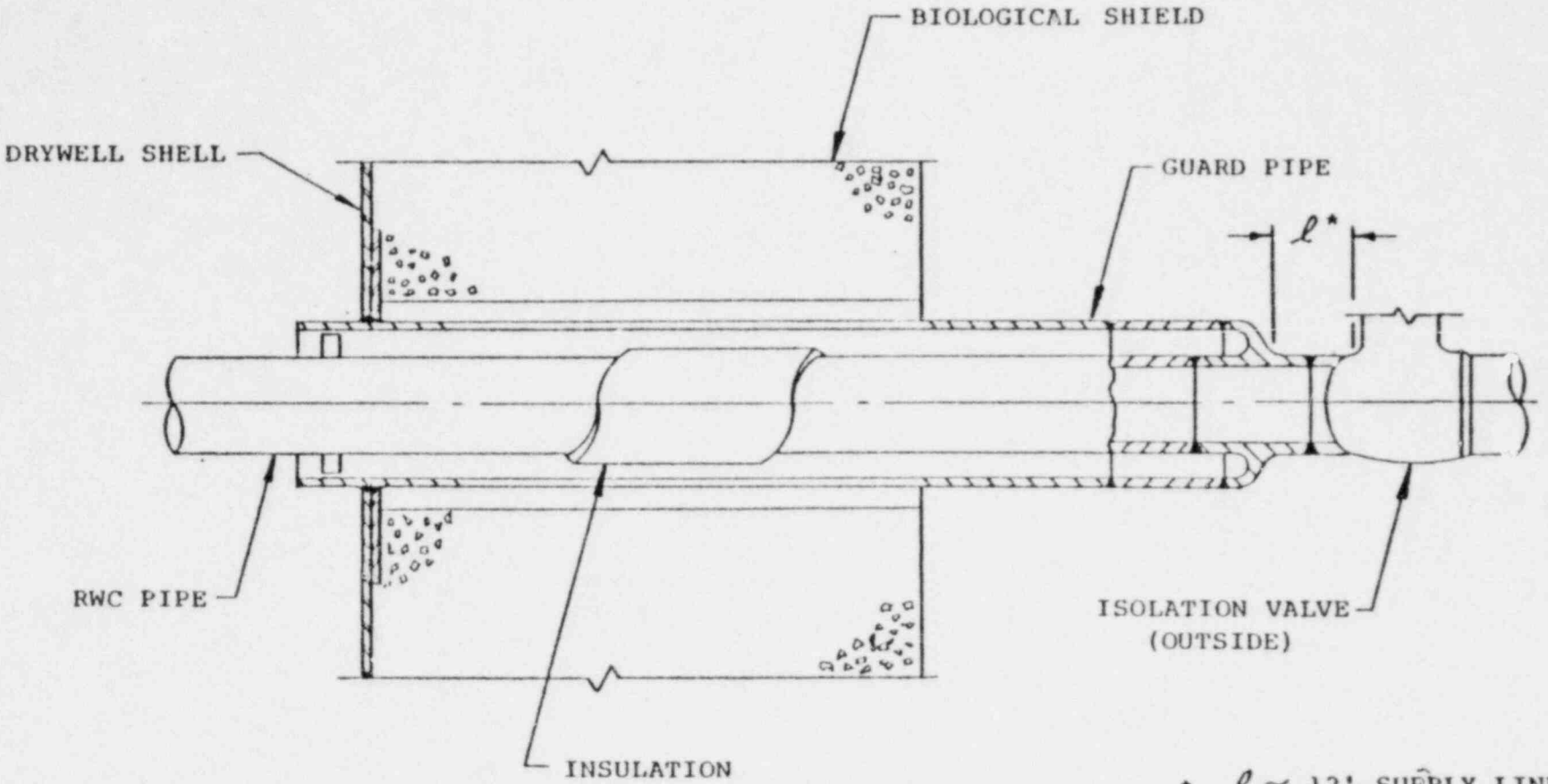
CONTAINMENT PENETRATION MAIN STEAM

FIGURE 1



CONTAINMENT PENETRATION EMERGENCY CONDENSER

FIGURE 2



* $\ell \approx$ 12' SUPPLY LINE
$\ell \approx$ 3' RETURN LINE

CONTAINMENT PENETRATION (TYP)

REACTOR WATER CLEANUP

FIGURE 3

MEETING SUMMARY DISTRIBUTION

[redacted]
NRC PDR
Local PDR
ORB Reading
NRR Reading
HRDenton
EGCAse
DEisenhut
RPurple
JRowe
TNovak
Rtedesco
GLainas
GZech
JHeltemes, AEOD
SVArga
RReid
TIppolito
RClark
DCrutchfield
WPaulson
OELD
OI&E (3)
HSmith
ACRS (16)
NRC Participants
NSIC
TERA

cc: short list