PLAINTIFF'S EXHIBIT
JM 686

R. W. Heisler, DHQ

April 21, 1975

D. W. French, Denison

See Below

TRADE SECRET
J-M 83

QUICK-BURST TEST UNIT -
PVC AND PERMASTRAN 4" - 16"

Your March 28, 1975 letter offered a design suggestion on the subject. We also received a DPE design for the same purpose. These have been reviewed with the Denison operating departments.

Your proposal was superior to the DPE design. Also, yours used many available parts. However, the Q. C. people had some constructive comments:

- The operation, as described, has too many hook-ups, chain fastening, bolt tightening, etc.
- With the center column, a blown pipe with pieces too short to hook on to causes severe problems.
- The 10" and 12" Permastran inner tube will not fit into PVC 10" and 12" IPS.
- We need a "standard" common length.

Assuming that the last comment can be accommodated, Hollis and Robert Batts have proposed a design that should be usable for both PVC and Permastran. Essentially, the speciman would be hydraulically assembled in one rig then lifted by a jib crane into a steel box constructed to restrain the maximum full diameter 12" thrust. For disassembly, the heads would be insert/keyed, or fixed, to hydraulic pusher with hook eyes on either head so that pieces stuck in the head could be pulled out with a chain. (See attached sketch.) It is believed that this test could be accomplished by one person within less than 20 minutes for each sample. (You're aware of our present time spent to test each sample.)

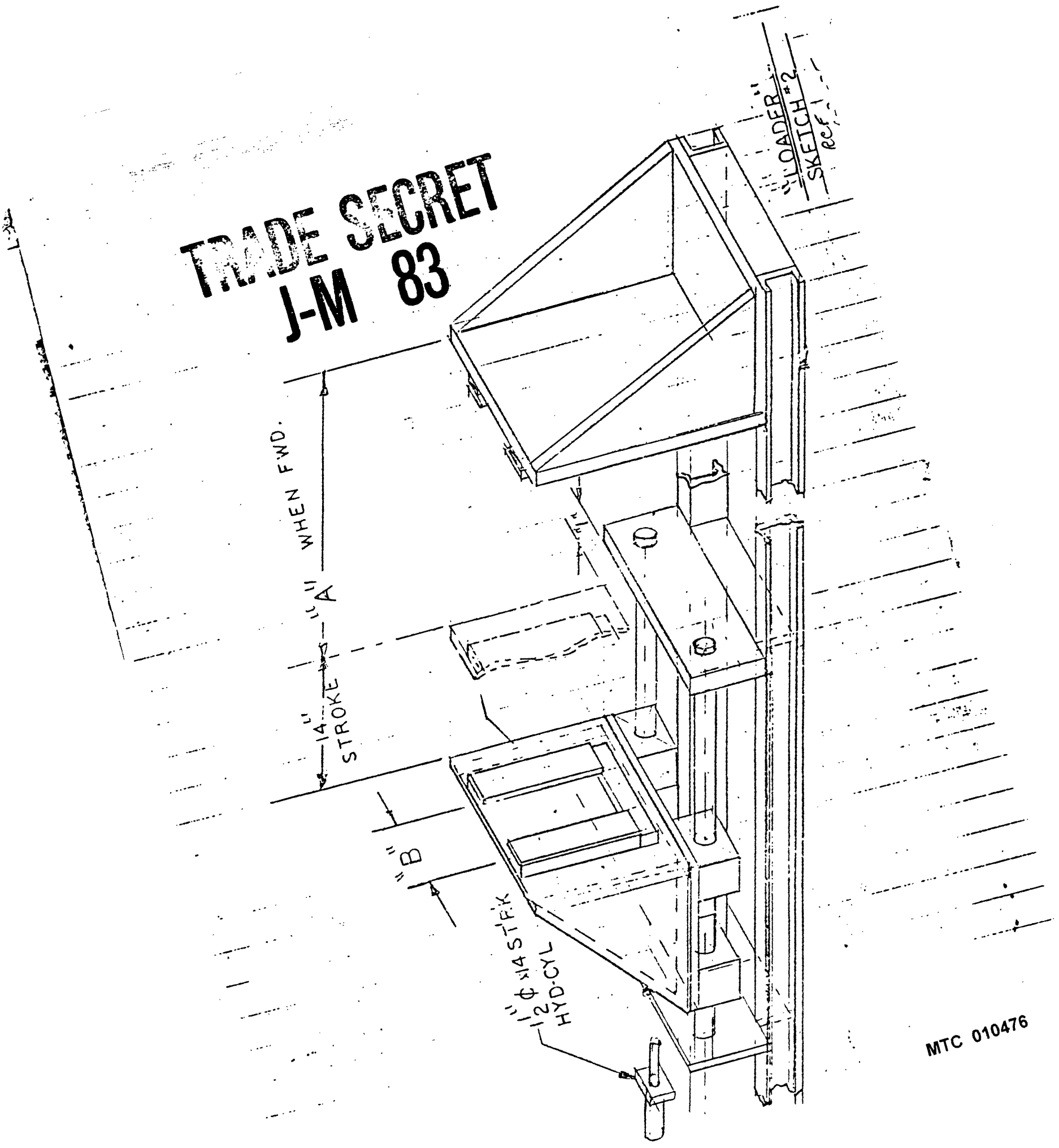
Robert Batts believes we could build the proposed apparatus for under $2800 to accommodate all 7 sizes of both PVC and Permastran. Perhaps the best way to finance this first model would be an E. P. within Gil's approval authority. Assuming it works satisfactorily, future models for other plants would require an A. R. (4" - 12" could probably be built for $2000).

Please advise if you wish to pursue this course. Thanks for your help on this project.

DWF/is

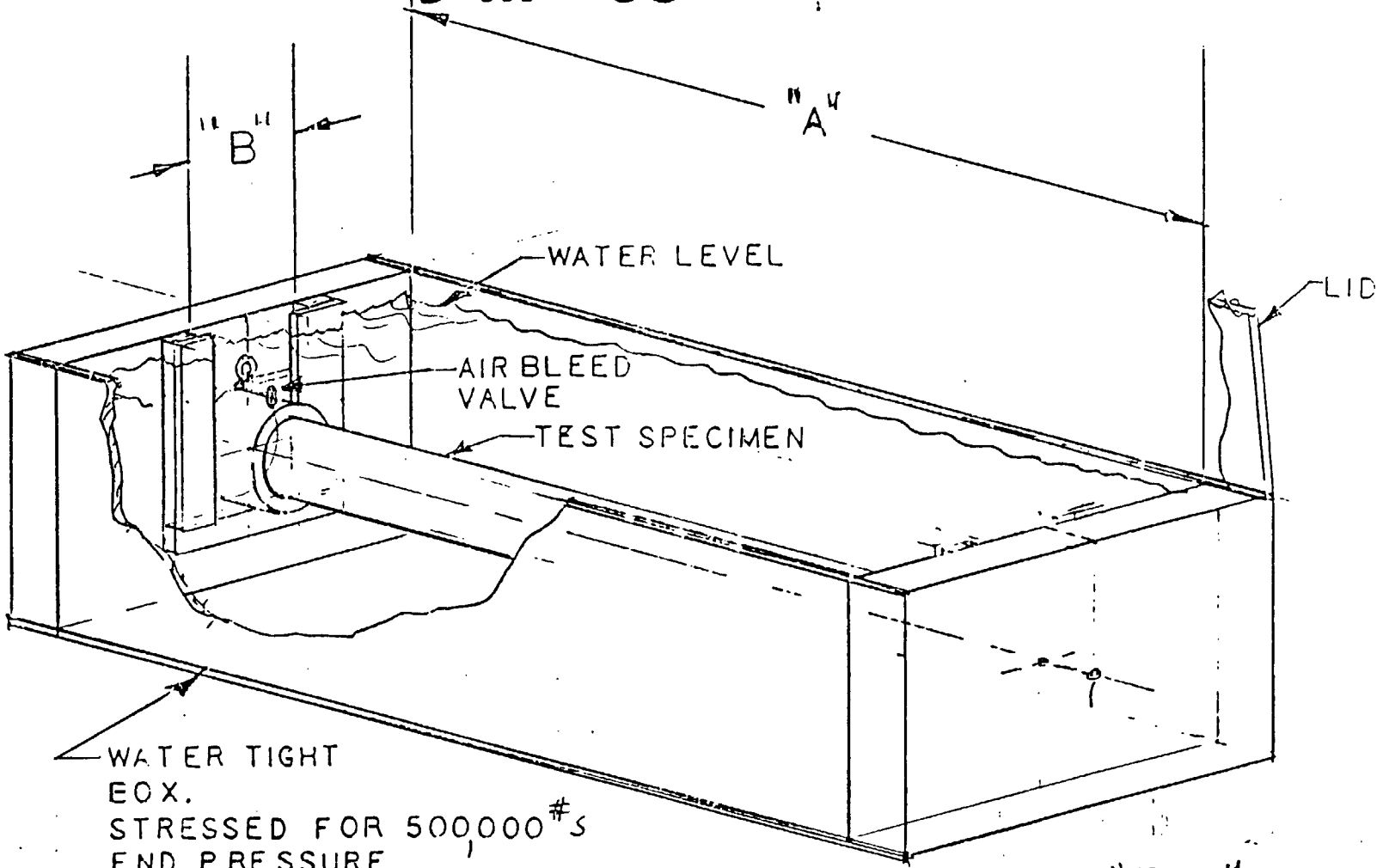
cc: R. W. Campbell, DHQ
G. C. Eggleston, DHQ
S. Quint, Res.
C. G. Stelchek
H. T. Brode
A. M. Curry

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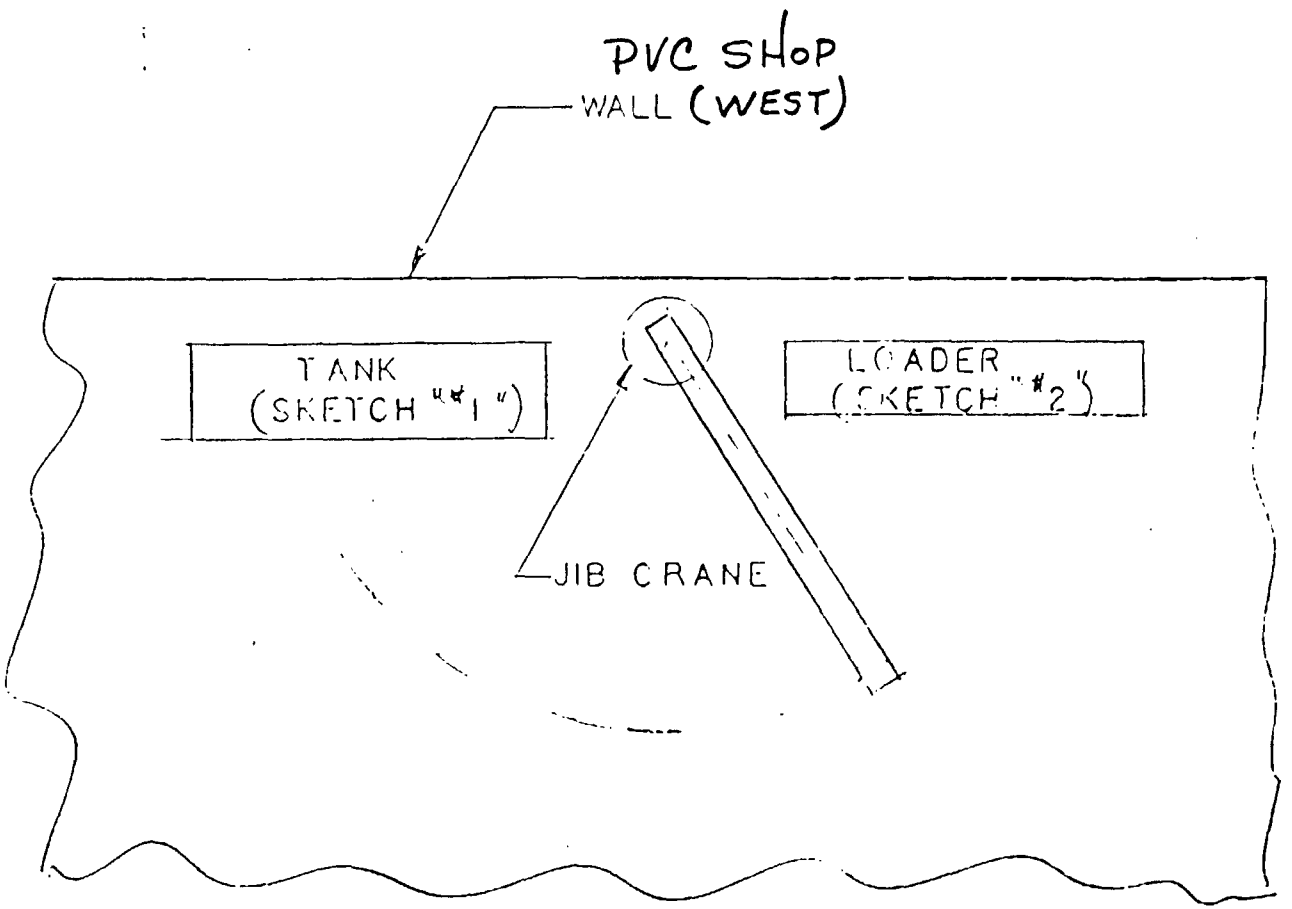
MTC 010476

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"TANK"
SKETCH #1
RCR
4-21-75

MTC 010477



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LAYOUT

RGF
4-21-75

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