LOS ALAMOS, NEW MEXICO 87544

OFFICE MEMORANDUM

TO : W. J. Maraman, CMB-11 DATE: December 6, 1971

FROM : W. B. Gibson, CMB-11

SUBJECT: General's Tanks - Memo from Dean D. Meyer, December 3, 1971

SYMBOL : CMB-11

Champion's records, which were made at the time solutions were transferred into the tanks, on the basis of radioassay (total alpha) of the individual trailer tank loads, showed a total of 344 grams into the two tanks.

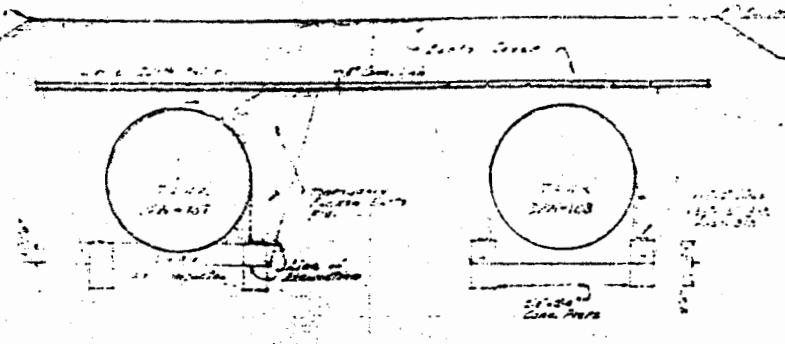
Inasmuch as records at that time were kept to the nearest 0.01 grams, this is probably a reasonable figure for total alpha equivalent.

A corroborative sampling of each tank was performed about 1950 or 1951, and the results were in good enough agreement with the above that no corrections were thought to be necessary. So far as I know, no records of this sampling are still in existence, but I seem to vaguely recall that the NaOH supernatant tank had about 180 grams in 50,000 gallons, and the NH_4OH tank had about 160 grams in 35,000 gallons.

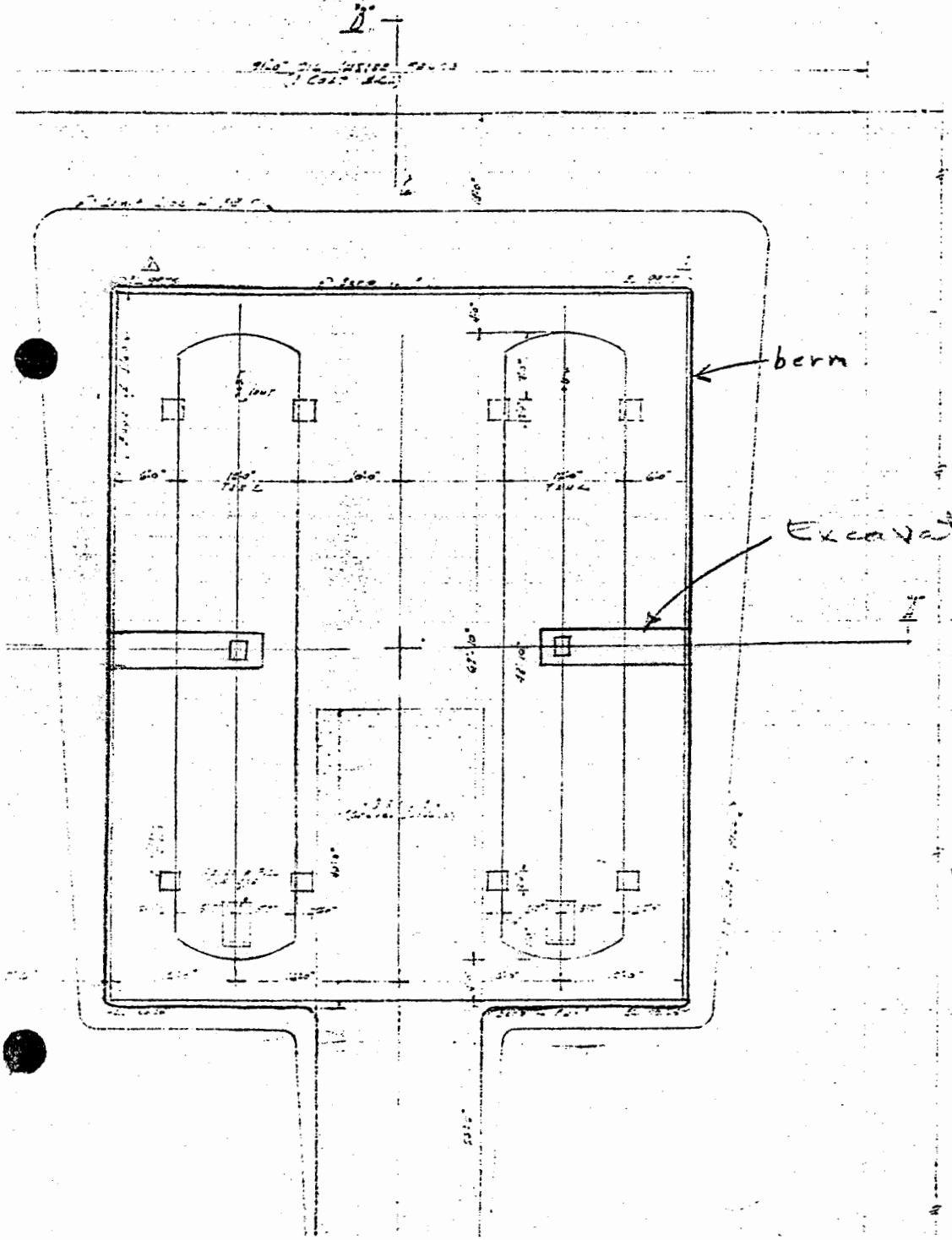
How much of this is actually Pu, and how much is due to Am is open to speculation, but a reasonable guess might be about 20-30 grams of Pu, and the rest due to Am, but that is probably irrelevant, since the primary question is not how much Pu, but rather how much activity.

W. B. Gibson

WBG:arm



SECTION "A"



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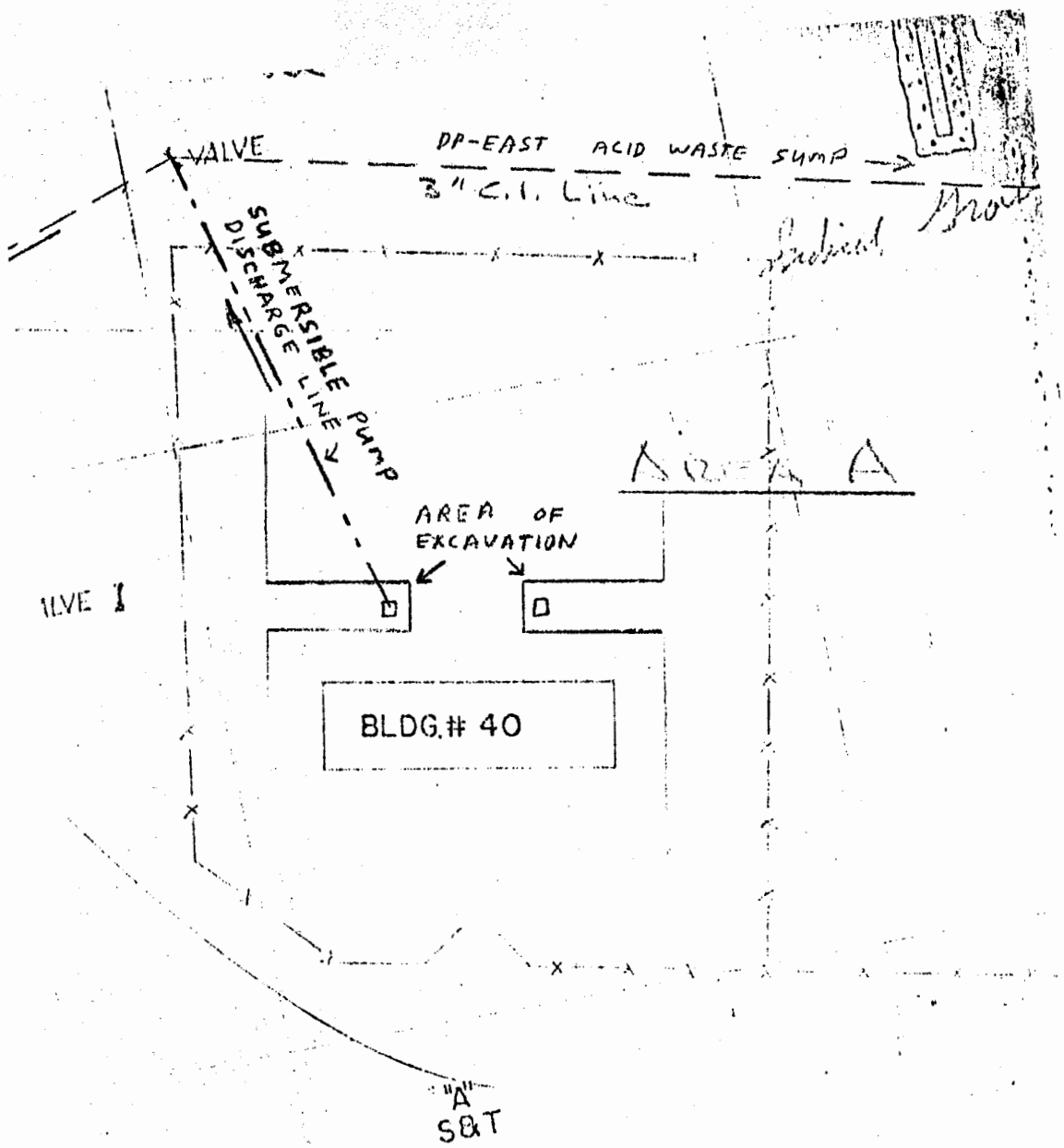
P.E. 202


VALVE
DP-EAST ACID WASTE SUMP
3" C.I. Line
SUBMERSIBLE PUMP DISCHARGE LINE
AREA OF EXCAVATION
VALVE
BLDG.# 40
"A" S&T
B.C. #504