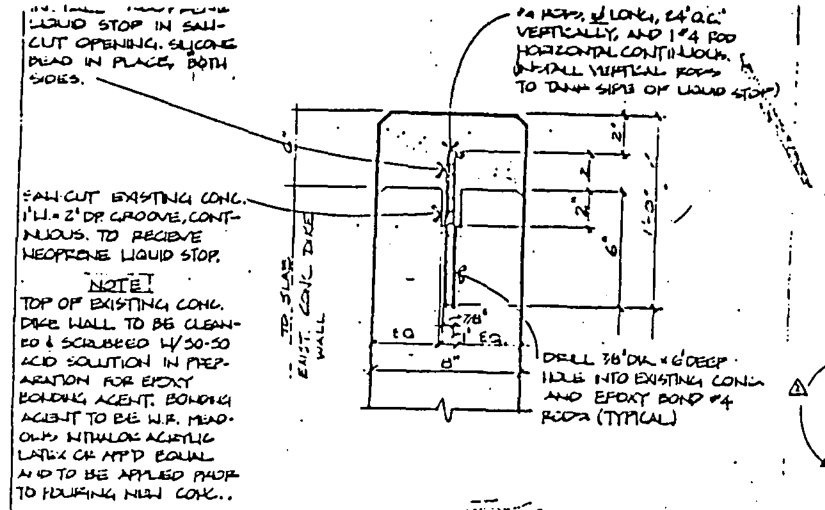


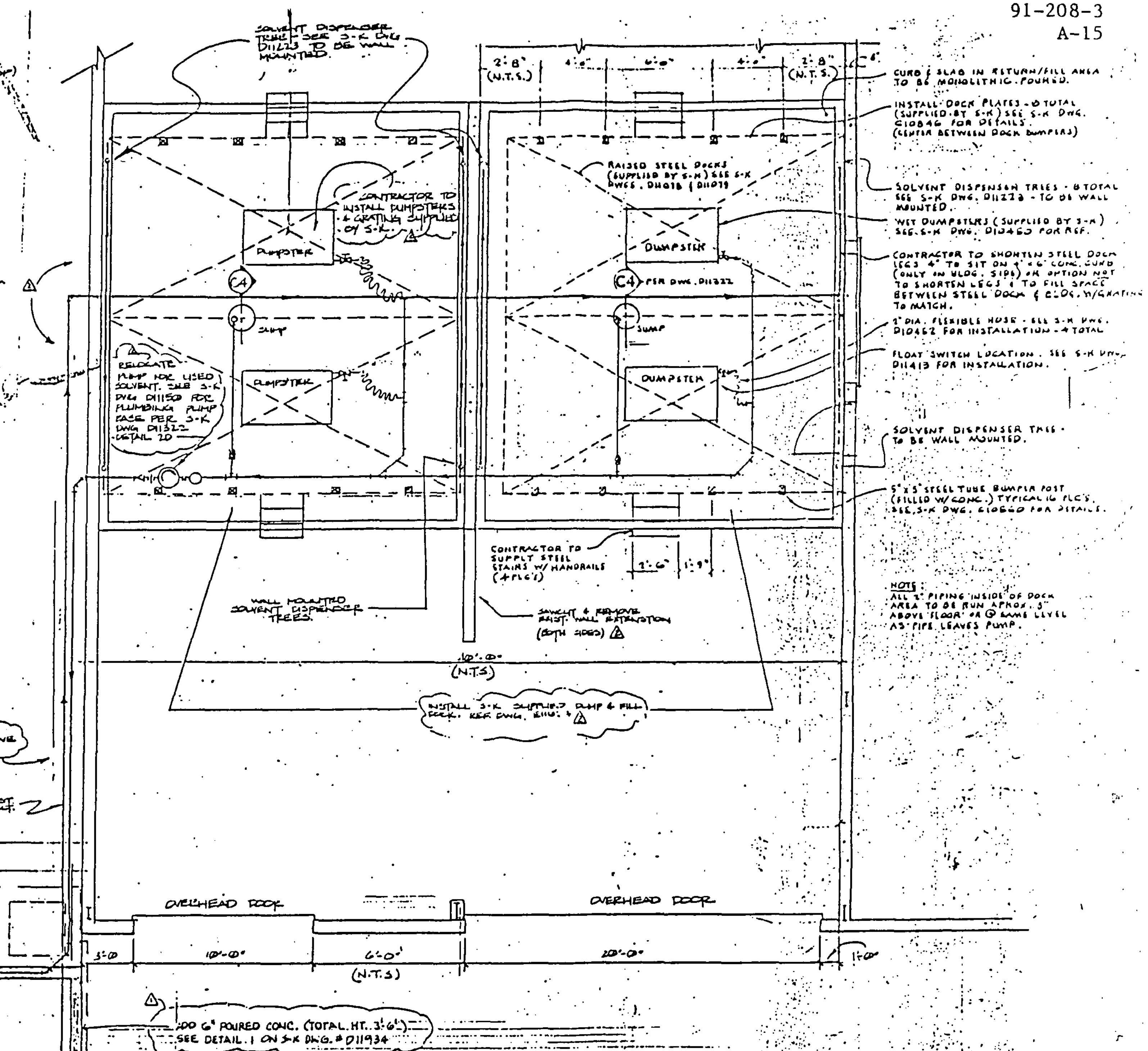
DIKE VOLUME CALCULATION

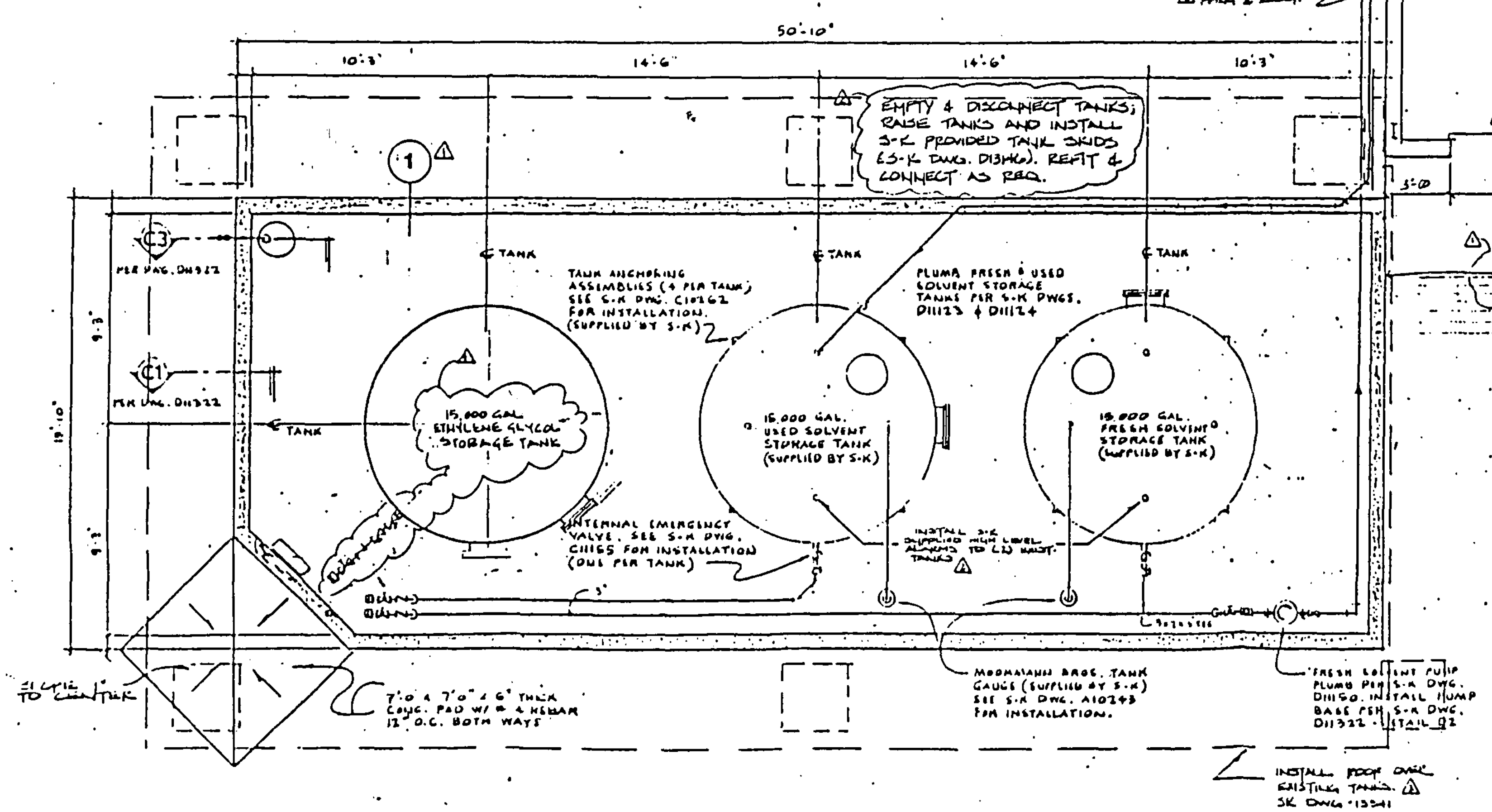
FORMULAE USED:

($\pi r^2 H$)(7.48 GAL./CU.FT) = TANK DISPLACEMENT VOLUME (GAL.).
(LWH)(7.48 GAL./CU.FT) = DIKE VOLUME (GAL.)

r (TANK RADIUS) = 5.75 FT. (5'-3")
L (DIKE LENGTH) = 49.5 FT. (49'-6" I.D.)
W (DIKE WIDTH) = 18.5 FT. (18'-6" I.D.)
H (DIKE HEIGHT) = 3.5 FT. (3'-6")
25 YR./24 HR. RAIN = 8½" (.71')

DIKE VOLUME: (49.5 FT)(18.5 FT)(3.5 FT.)(7.48 GAL./CU.FT) =	23,974 GAL. (+)
VOLUME OF LARGEST TANK WITHIN DIKED AREA: =	15,000 GAL. (-)
TANK DISPLACEMENT VOLUME: π(5.75 FT.)^2(3.5 FT.)(7.48 GAL./CU.FT.) = 2,266 GAL. x 2 TANKS =	4,532 GAL. (-)
25 YR./24 HR. RAIN VOLUME ROOF OVER TANKFARM =	0 GAL. (-)
VOLUME OF ANGULAR PORTION OF DIKE WALL =	395 GAL. (-)
TOTAL EXCESS =	4,047 GAL. (+)





TANK FARM/DOCK PLAN

SCALE: 1/4" = 1'-0"

NOTES

1. HIGH LEVEL ALARM TO BE INSTALLED PER SAFETY-KLEEN DWGS. D11533, D11534 & D11539
2. ALL DWGS. SUPPLIED TO CONTRACTOR CONTAINING S-K PART # REFERENCES, THESE ITEMS WILL BE SUPPLIED BY SAFETY-KLEEN.
3. S-K = SAFETY-KLEEN
4. (N.T.S.) = NOT TO SCALE

safety-kleen corp.

TANK FARM/DOCK PLAN

5/21/85 INCREASE TANK VOLUME CAPACITY