

DIKE VOLUME CALCULATION

DIKE VOLUME - $25'8" \times 56'8" \times 4'3" = 4,429 R^3 = 748 GAL. / R^3 = 33,130 GAL.$

TANK DISPLACEMENT VOLUME
AREA AT THE SEGMENT (A) = LENGTH OF TANK (18'-0")

$A = R^2 \cos^2 \frac{\theta}{2} = 7'21/2$

$R = 6'-0"$

$A = (6'-0")^2 \cdot \cos^2 \frac{135^\circ}{2} = 2'-2"$

$A = (6'-0")^2 \cdot \cos^2 \frac{135^\circ}{2} = 3'-6"$

$A = 17,032 R^3$

DISPLACEMENT VOLUME - $(17,032 R^3 \times 2 TANKS) (18'-0")$
 $= (613,152 R^3) (248 GAL. / R^3)$
 $= 4,506 GAL.$

VOLUME LARGEST TANK - 15,000 GAL.

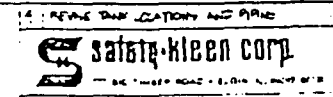
DIKE CONTAINMENT VOLUME - 33,130 GAL.
 DISPLACEMENT VOLUME - 4,506
 28,544

VOLUME LARGEST TANK - 15,000
 TOTAL EXCESS - 13,544 GAL.

TANK FARM PLAN
SCALE 1/4" = 1'-0"

NOTE:
ALL ITEMS SUPPLIED TO CONTRACTOR CONTAINING IN PART REFERENCES, THOSE ITEMS WILL BE SUPPLIED BY SAFETY-KLEEN.

Exhibit III.A.1-1



TANK FARM PLAN