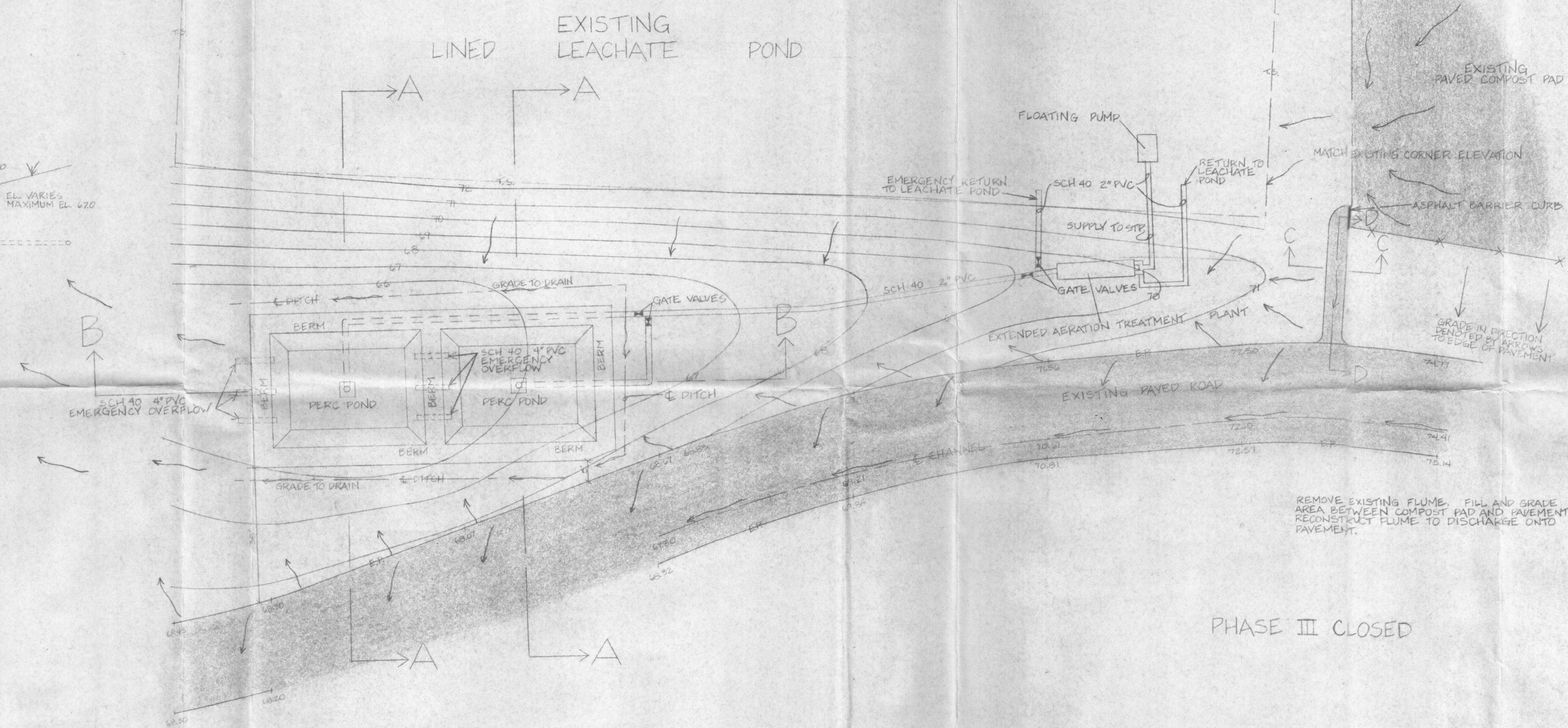
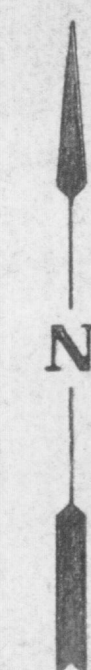


EXISTING NEW LINED CELL



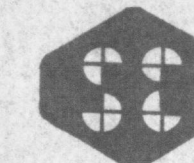
PHASE III CLOSED

SITE PLAN
SCALE: 1"=20'

D. E. R.
FEB 23 1990
SOUTHWEST DISTRICT
TAMPA



**SPRINGSTEAD
ENGINEERING
INC.**

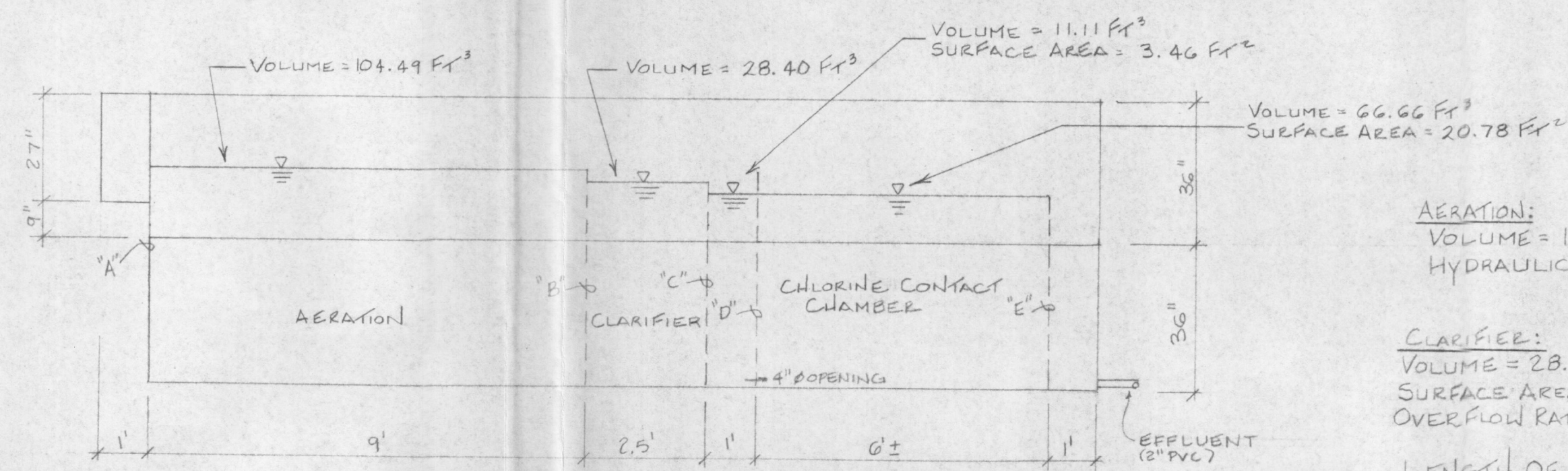


consulting
engineers

Leesburg — Bushnell

PERCOLATION PONDS
AND
NEW FLUME
FOR
SUMTER CO. LANDFILL

DATE 2-2-90	SCALE NOTED	FILE C103	JOB NO C103
DESIGN TLK	DRAWN TLK	CHECKED PB	SHEET 1 OF 1



SIDE VIEW
3/8" = 1'-0"

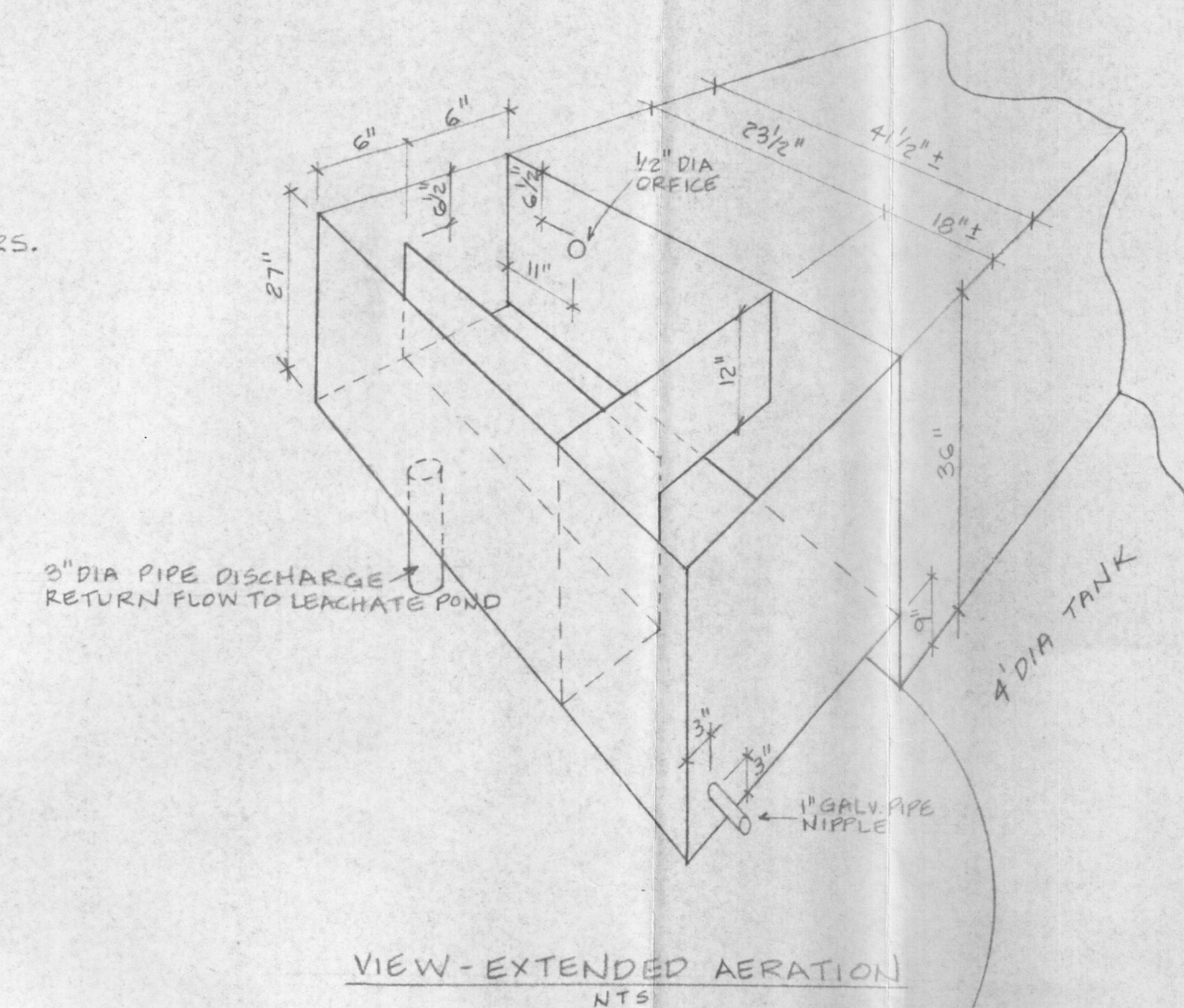
AERATION:
VOLUME = $104.49 \text{ ft}^3 = 781.56 \text{ GAL.}$
HYDRAULIC RETENTION TIME = $\frac{781.56 \text{ GAL.}}{1440 \text{ GPD}} = .543 \text{ DAY} = 13.03 \text{ HRS.}$

CLARIFIER:
VOLUME = $28.40 \text{ ft}^3 = 212.43 \text{ GAL.}$
SURFACE AREA = 8.66 ft^2
OVERFLOW RATE = $\frac{1440 \text{ GPD}}{8.66 \text{ ft}^2} = 166.28 \text{ GPD/ft}^2$

LENGTH OF WEIR = 3.46 FT

WEIR LOADING RATE = $\frac{1440 \text{ GPD}}{3.46 \text{ FT}} = 416.18 \text{ GPD/FT}$

CHLORINE CONTACT CHAMBER:
VOLUME = $66.66 \text{ ft}^3 = 498.62 \text{ GAL.}$



VIEW-EXTENDED AERATION
NTS

NOT READY -
BOX FOR INLET
EXTERIOR TO TANK

PLATE "A"

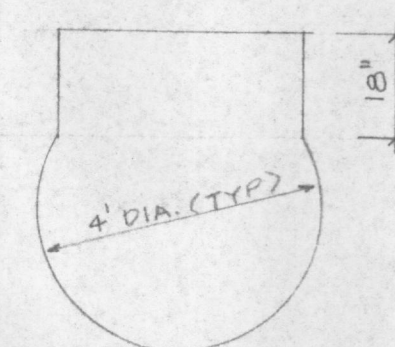


PLATE "B"

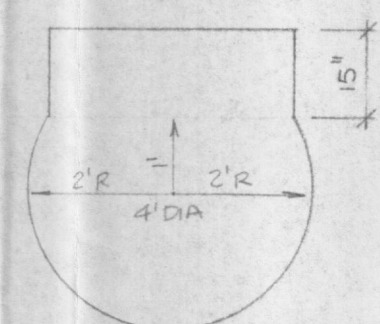


PLATE "C"

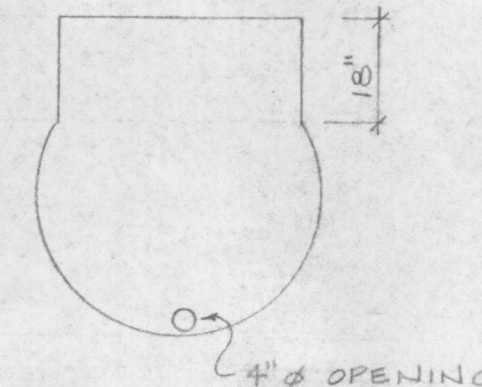


PLATE "D"

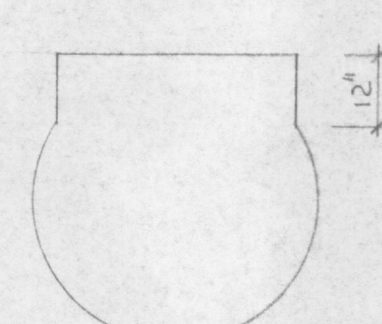
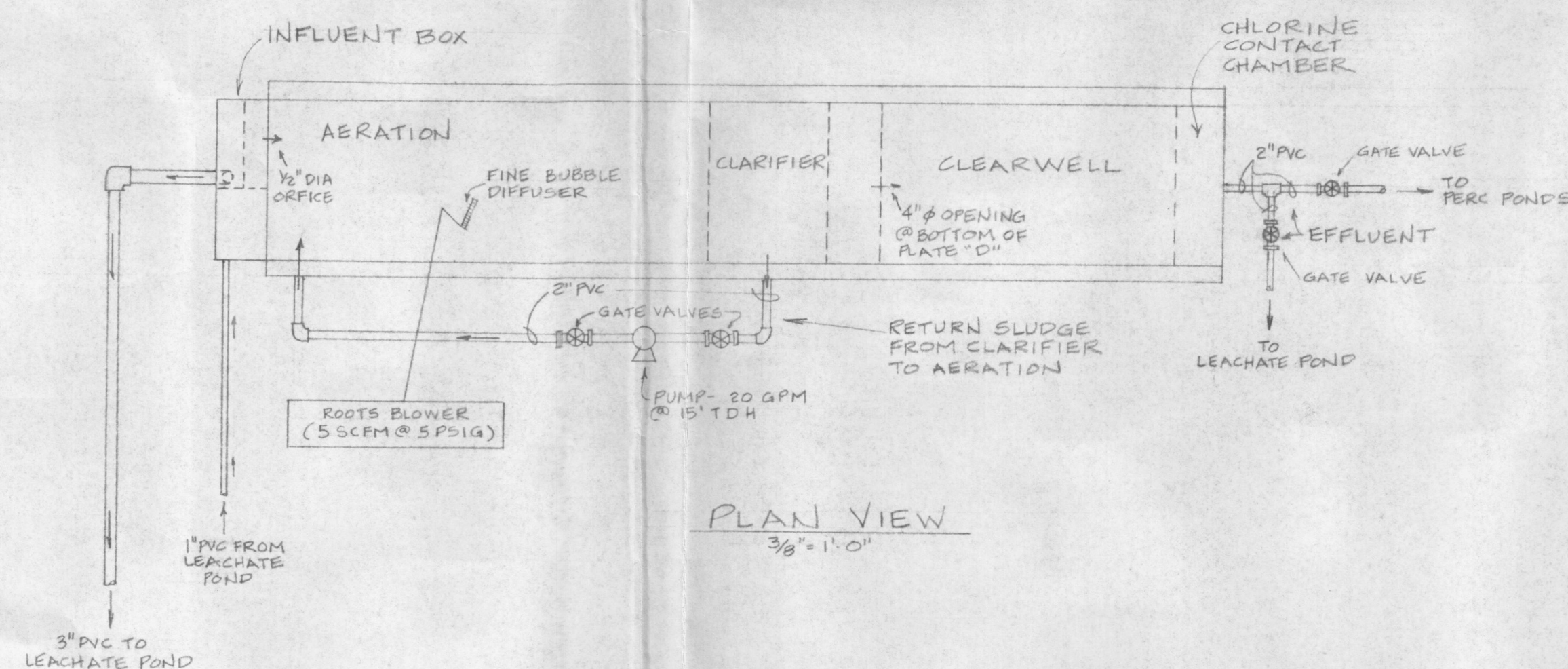
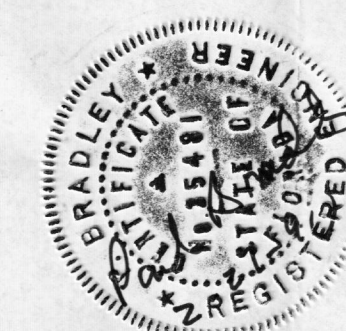


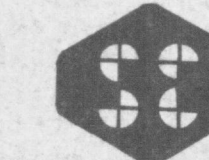
PLATE "E"



PLAN VIEW
3/8" = 1'-0"



SPRINGSTEAD
ENGINEERING
INC.



consulting
engineers

Leesburg - Bushnell

SUMTER COUNTY LANDFILL
EXTENDED AERATION
WASTE WATER
TREATMENT PLANT

DATE	SCALE	FILE	JOB NO.
2-15-90	NOTED	C-103	C-103
DESIGN	DRAWN	CHECKED	SHEET
PB	LH	PB	1 OF 1