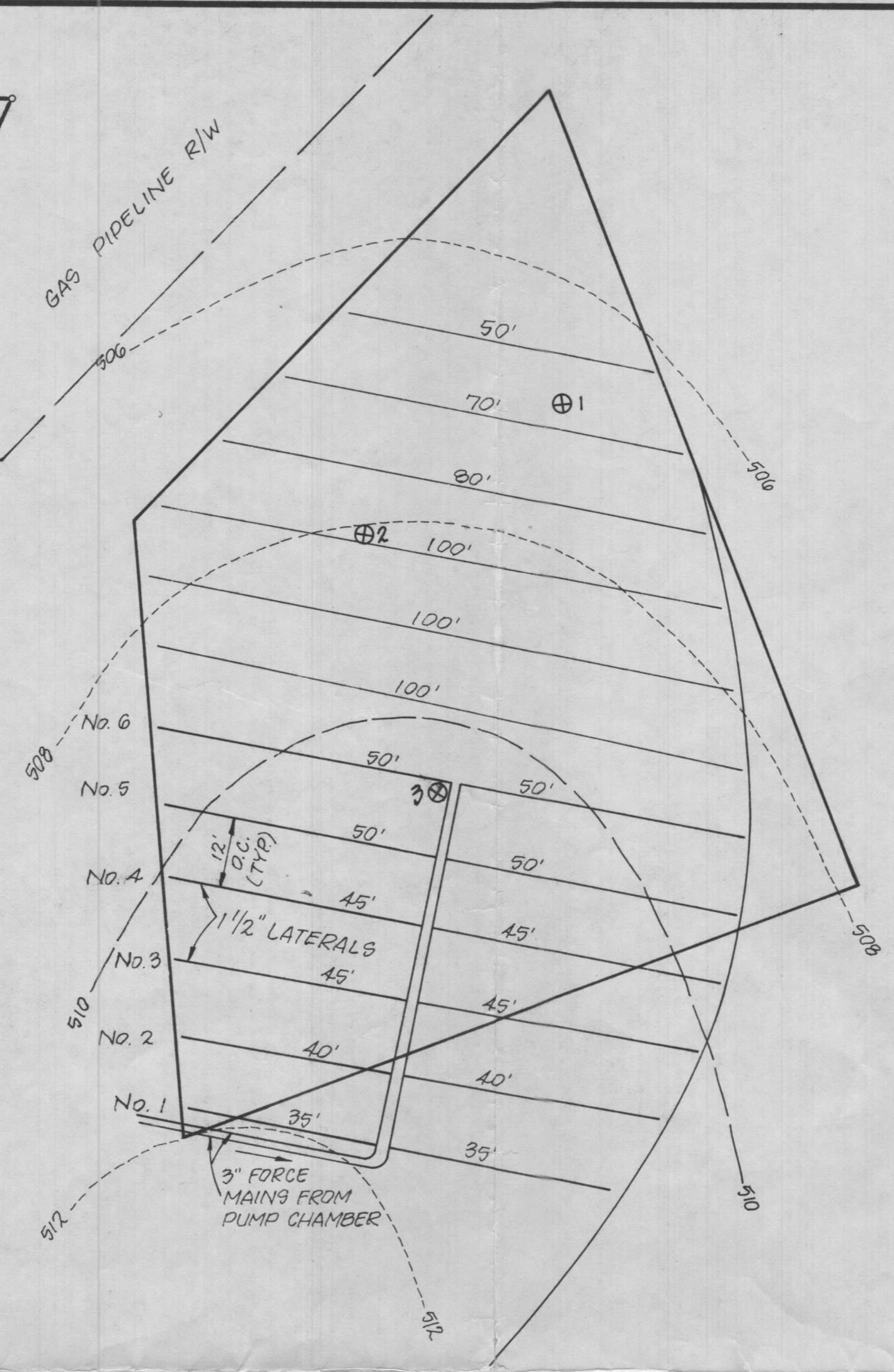


Signature: *Conrad* Date: 5/26/99

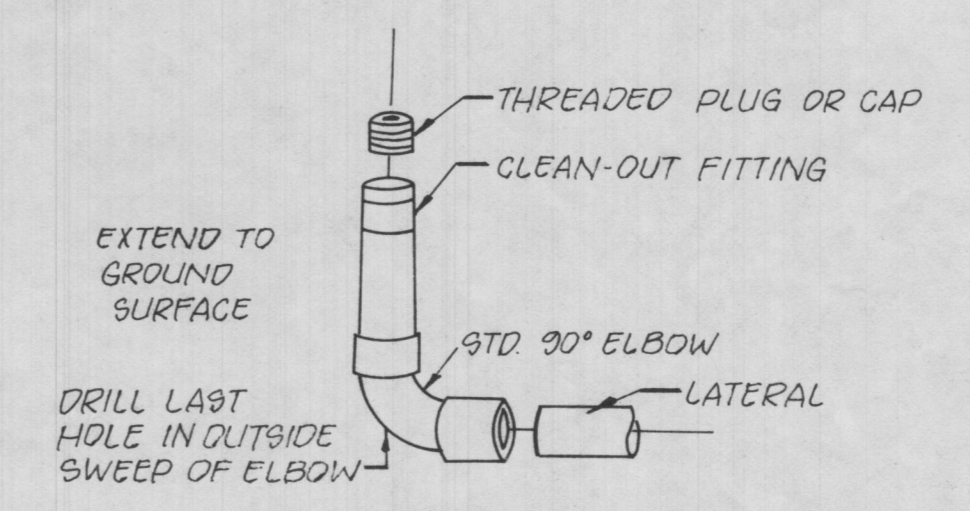
HOLD - APPLICANT HAS MADE SUBSTITUTE PROPOSAL FOR D110 DISPOSAL SYSTEM 10/7/99



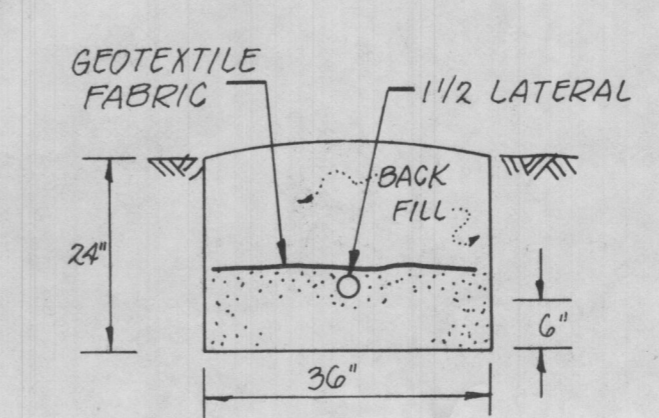
SITE PLAN
Scale: 1" = 50'



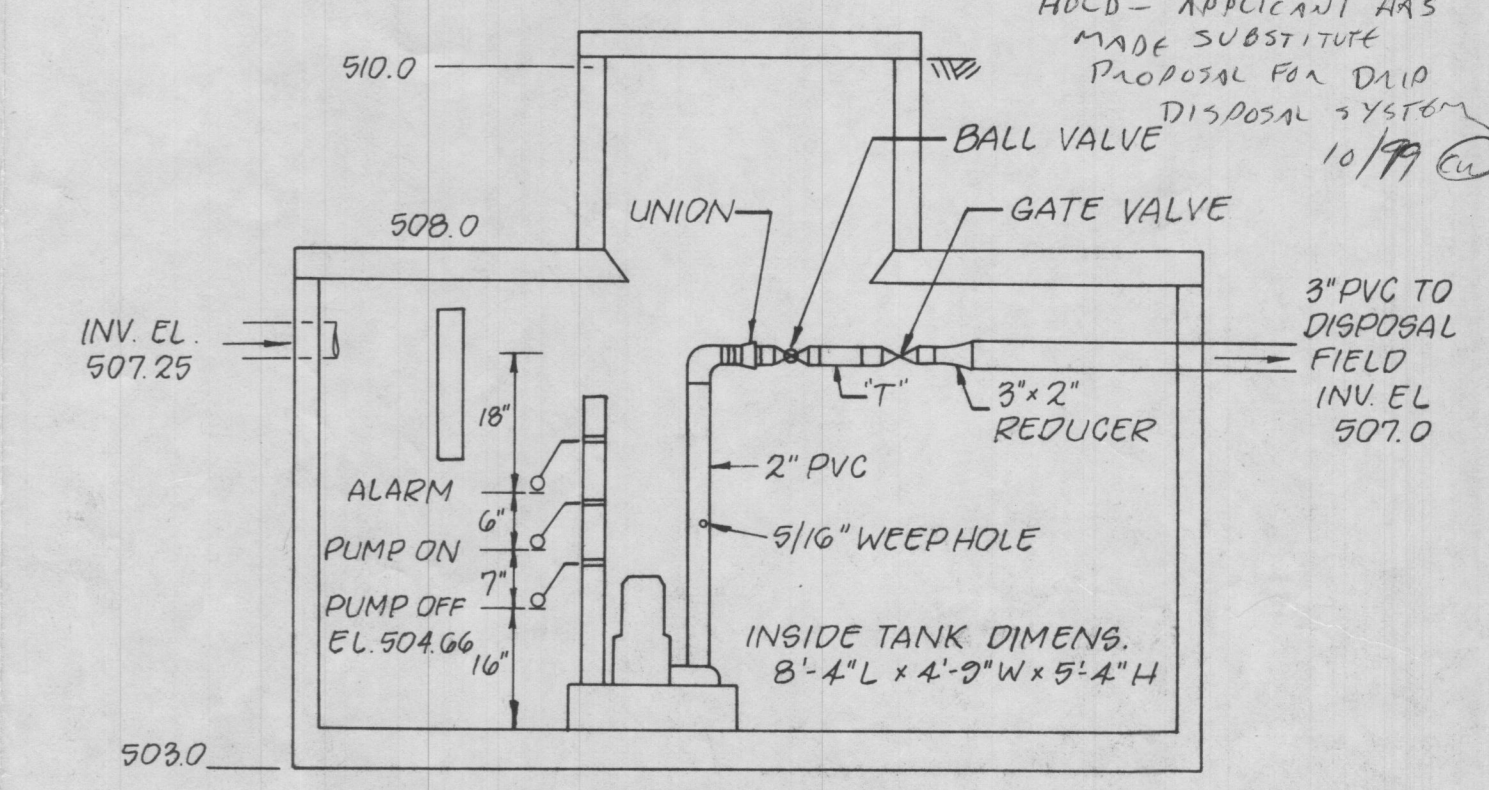
DISPOSAL SITE PLAN
Scale: 1" = 20'



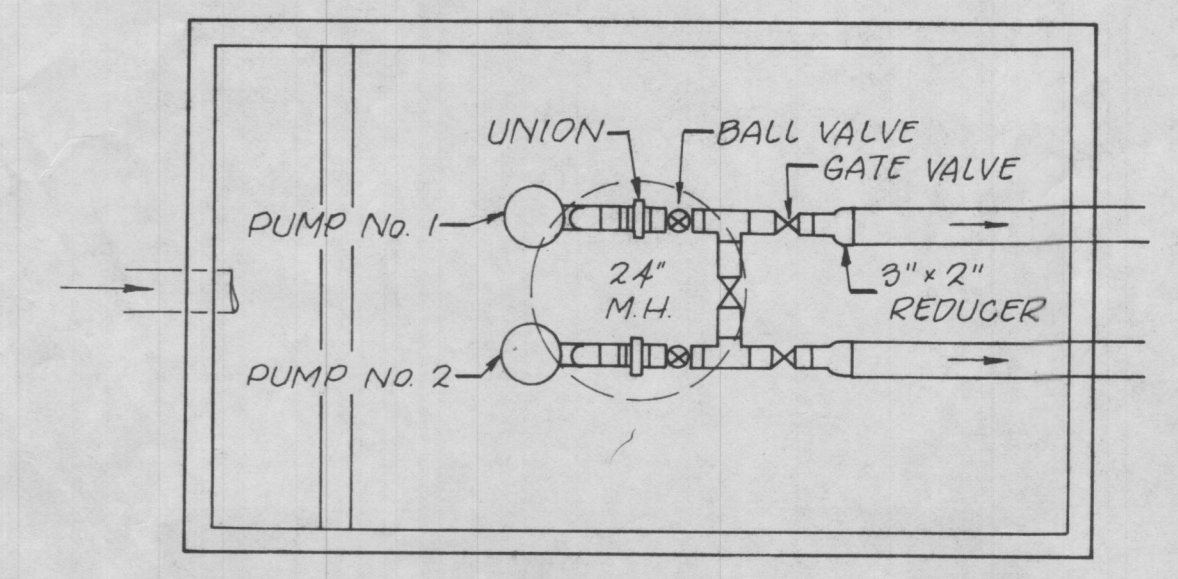
LATERAL END TURN-UP
(USE ON ALL MATERIALS)
Not To Scale



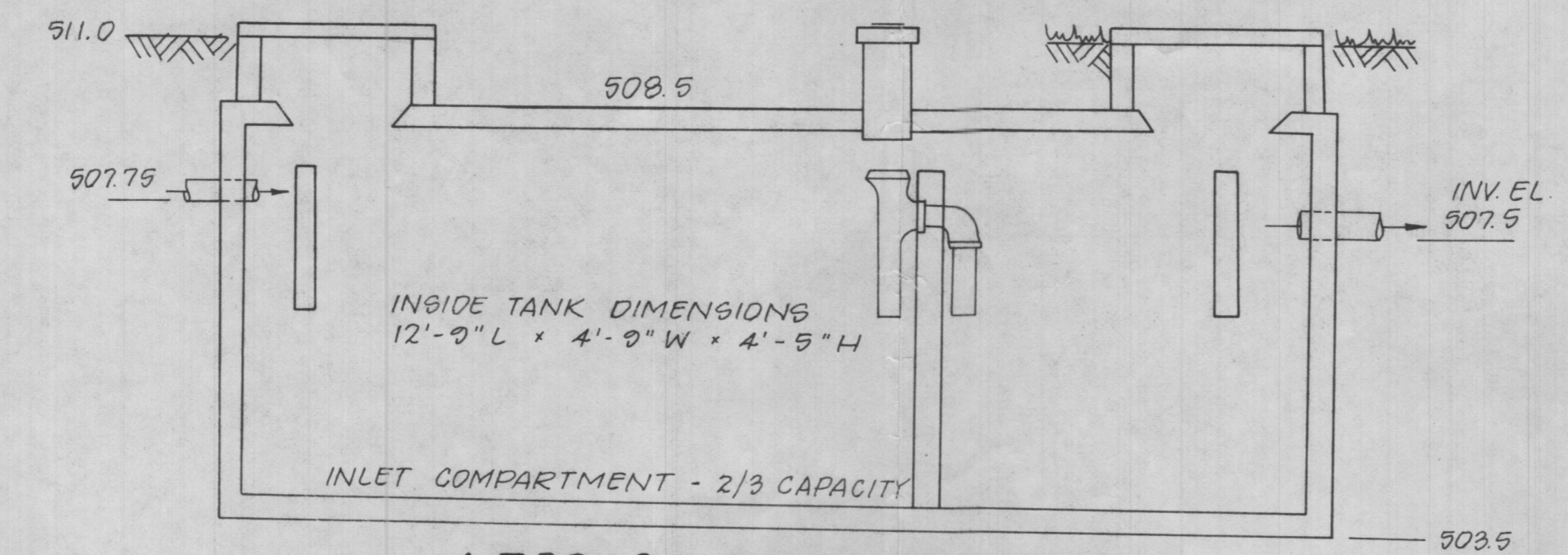
TRENCH DETAIL
(TYP)
Scale: 1/2" = 1'-0"



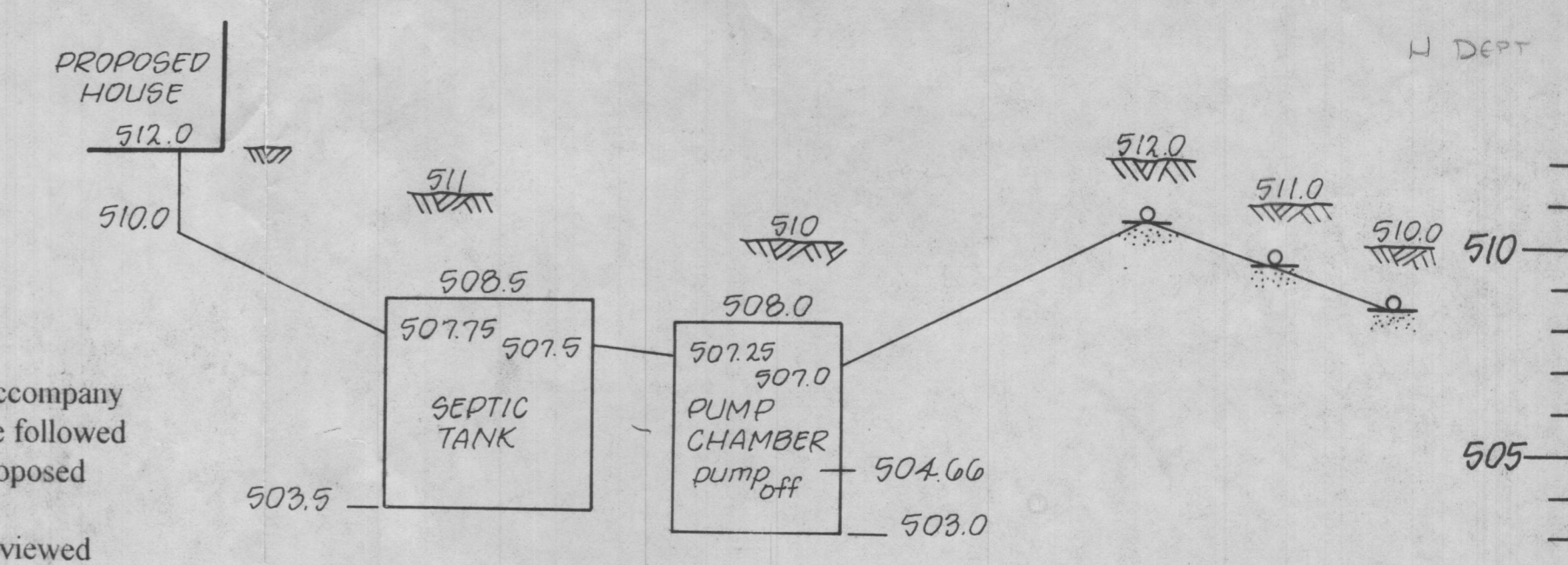
1,000 GALLON PUMP CHAMBER
Not To Scale



PUMP CHAMBER PLAN VIEW
Not To Scale

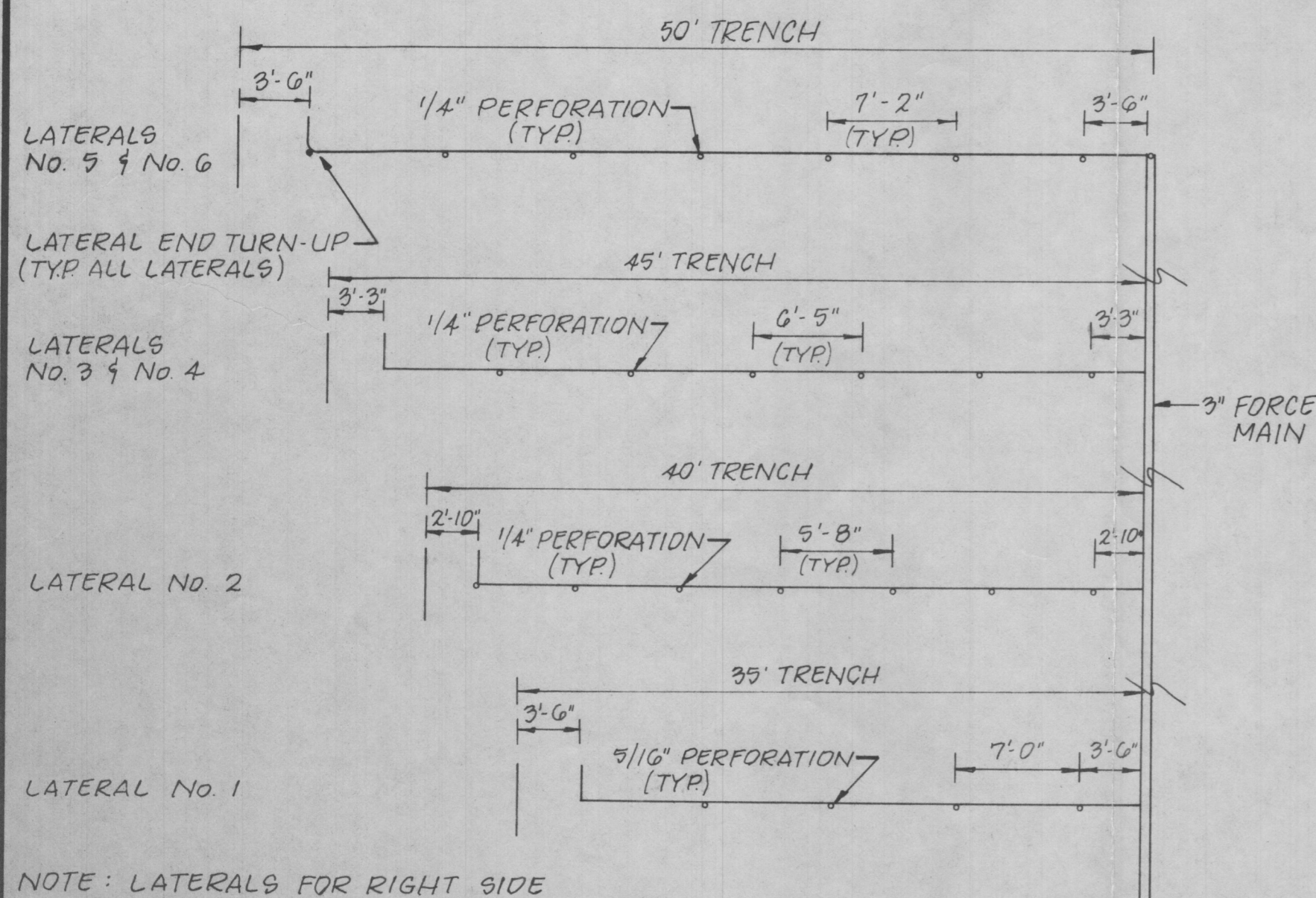


1,500 GALLON SEPTIC TANK
Not To Scale



HYDRAULIC PROFILE
Scale: Vert. 1/4" = 1'-0"
Horz. Not To Scale

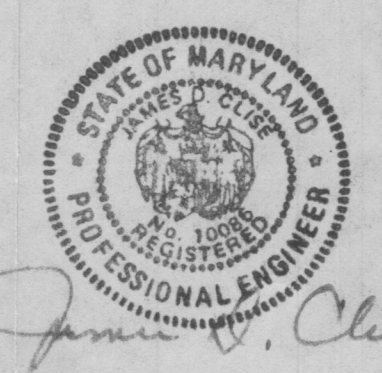
Note: Written specifications accompany these plans and are to be followed by the installer. Any proposed change to these plans or specifications is to be reviewed by the Engineer prior to submittal to the Health Department for final approval.



LATERAL DETAIL - PUMP No. 1 - LEFT SIDE
Scale: 1/8" = 1'-0"

TRENCH No	PERFORATION SIZE	DISTAL HEAD	PERFORATION Q	No OF PERFORATIONS	LATERAL Q	TRENCH LENGTH	GPM/FT OF TRENCH
1	5/16"	2'	1.63 gpm	5	8.15	35'	0.23
2	1/4"	3'	1.28	7	8.96	40'	0.22
3 & 4	1/4"	4'	1.47	7	10.29	45'	0.23
5 & 6	1/4"	4'	1.47	7	10.29	50'	0.21
TOTAL					58.49 gpm		

DESIGN CRITERIA
3 BEDROOM - 450 gpd
1 - 1,500 GAL COMPARTMENTED SEPTIC TANK
1 - 1,000 GAL PUMP CHAMBER
180 GAL DOSE @ 50 gpm
LOADING RATE - 0.4 gpd / sq. Ft.
TRENCH AREA - 1,500 sq. Ft.
TDH - 10'



APPROVED: FOR PRIVATE SEWERAGE SYSTEM BY THE HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: _____ DATE: _____

DATE NO. _____ REVISION _____

S/E ENGINEERING, INC.
WESTMINSTER MARYLAND

SCALE: AS SHOWN APPROVED BY: J.D.C. DRAWN BY: ACK

DATE: JAN. 1999

LOT NO. 93 - KINGS GIFT
HOWARD COUNTY, MARYLAND

LOW PRESSURE DOSING SYS. DRAWING NO. 1 OF 1