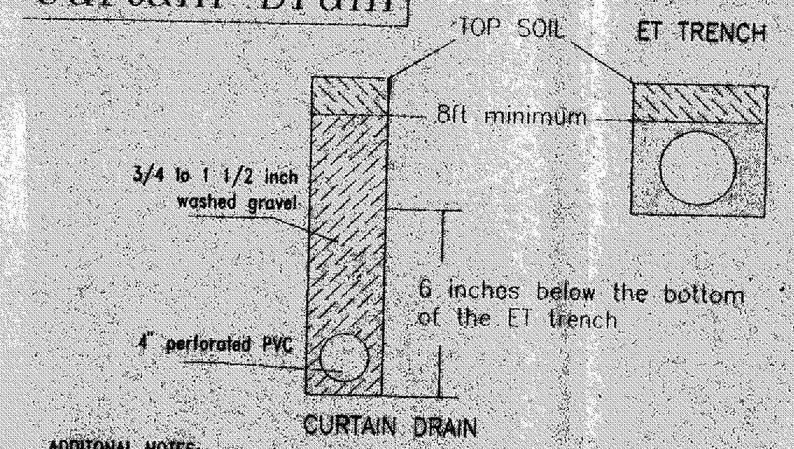
Curtain Drain



CURTAIN DRAIN

ADDITIONAL NOTES:
- Minimum width of trench for curtain drain to be 12 inches
- Minimum slope of curtain drain will be 6 inches in 10' feet
- The curtain drain will have an inspection port at the collection point of all four sides
- The outlet of the curtain drain will be protected from the entrance of small animals
- This design is for fields with a maximum width of 56 feet including curtain drains. When width exceeds 56 feet, differential between trenches will be increased to 2.5 feet

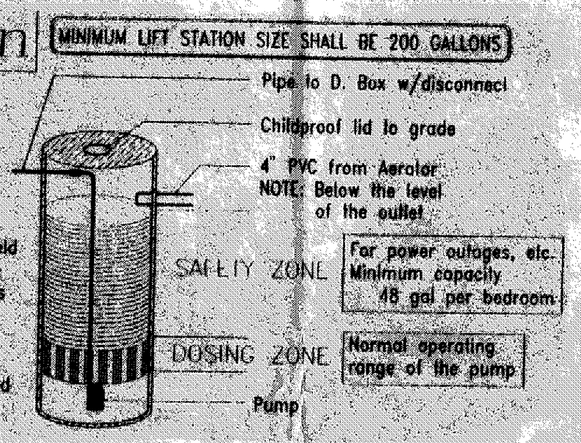
Lift Station

MINIMUM LIFT STATION SIZE SHALL BE 200 GALLONS

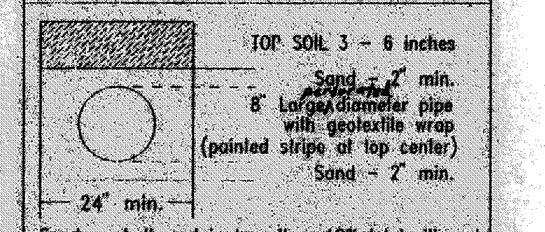
ADJUSTMENT OF THE FLOATS

The floats in the lift pump station are to be adjusted so that:
- The gallons in the dosing zone do not exceed the internal volume of the pipe in the ET Field
- An audible and visual alarm are activated if the water level enters the SAFETY ZONE

Electrical wiring for the lift station will be in conformance with local, state and national electric codes

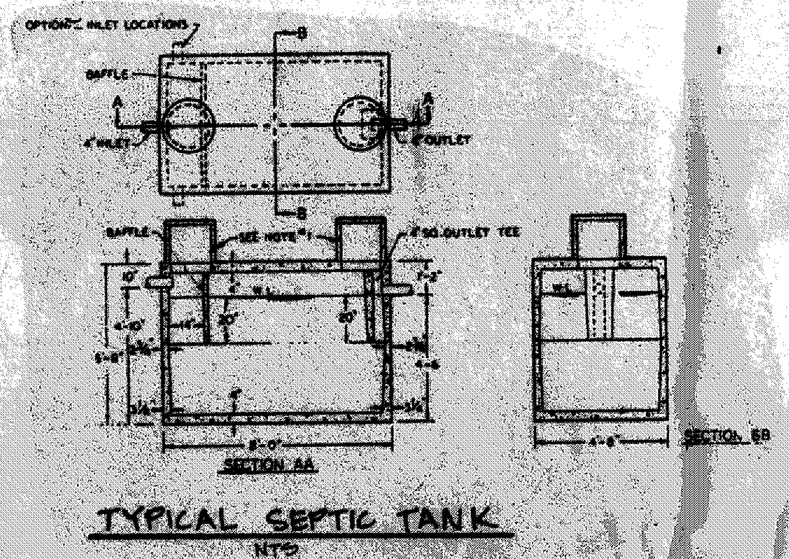


EVAPOTRANSPIRATION TRENCH (END VIEW)



Sand - shall contain less than 10% total silt and clay. Resident soils cannot be used for backfill.

Pipe and trench slope - less than or equal to 1" in 100'. Zero percent recommended.



TYPICAL SEPTIC TANK
NTS

CONSTRUCTION NOTES

ALL CONSTRUCTION SHALL CONFORM TO THE LAKE COUNTY BOARD OF HEALTH AND THE LAKE COUNTY BUILDING DEPARTMENT REGULATIONS.

DRAINAGE IMPROVEMENTS OR CHANGES FROM EXISTING GRADE NOTED ON THE APPROVED PLAN SHALL BE INSTALLED PRIOR TO SEWAGE DISPOSAL SYSTEM CONSTRUCTION.

RESIDENCE MUST UTILIZE WATER SAVING TOILETS, SHOWERHEADS AND FAUCETS.

NO OPEN BURNING WILL OCCUR DURING CONSTRUCTION.

ROOF WATER, FOUNDATION DRAINAGE, CISTERN OVERFLOW, SURFACE DRAINAGE OR SUBSURFACE DRAINAGE SHALL NOT BE DISCHARGED INTO A BUILDING SEWER OR INTO A HOUSEHOLD SEWAGE DISPOSAL SYSTEM.

AERATION-TYPE TREATMENT SYSTEM SHALL CONFORM TO SECTION 840 OF THE LAKE COUNTY BOARD OF HEALTH REGULATIONS.

SEWAGE LIFT PUMP SHALL BE CAPABLE OF LIFTING RESIDENTIAL SEWAGE EFFLUENT AT A RATE OF 70 GPM AT 10.0 GPM OF HEAD.

IF A SEPARATE PUMPING CHAMBER IS UTILIZED, THE CHAMBER SHALL HAVE A MINIMUM WORKING VOLUME OF 250 GALLONS. THE FLOAT LEVELS SHALL BE ADJUSTED TO PROVIDE FOR A 150 GALLON DOSING VOLUME TO THE DISPOSAL FIELD.

ELECTRICAL WORK AND EQUIPMENT SHALL CONFORM TO THE LATEST EDITION OF THE NATIONAL ELECTRICAL CODE.

MECHANICAL COMPONENTS SHALL BE INSTALLED IN A PROPERLY VENTED LOCATION AND ALL VENTS, AIR INTAKES AND AIR HOSES SHALL BE PROTECTED FROM SNOW, ICE OR WATER VAPOR ACCUMULATIONS. INSTALLATION SHALL BE MADE TO MINIMIZE RELEASE OF ODORS.

MECHANICAL COMPONENTS INSTALLED IN OR AT THE SEWAGE TANK SHALL BE PROTECTED AGAINST DAMAGE OR IMPAIRMENT OF EFFICIENCY BY FLOODING, FOAMING OR SURCHARGING. PUMPS MUST BE READILY REMOVABLE FROM THE MANHOLE IN CASE OF PUMP FAILURE.

CONTROL AND ALARM CIRCUITS FOR AERATION SYSTEM AND LIFT PUMP SHALL BE WIRED TO A COMMON ANNUNCIATOR TO BE LOCATED IN THE BASEMENT OR GARAGE OF THE RESIDENCE.

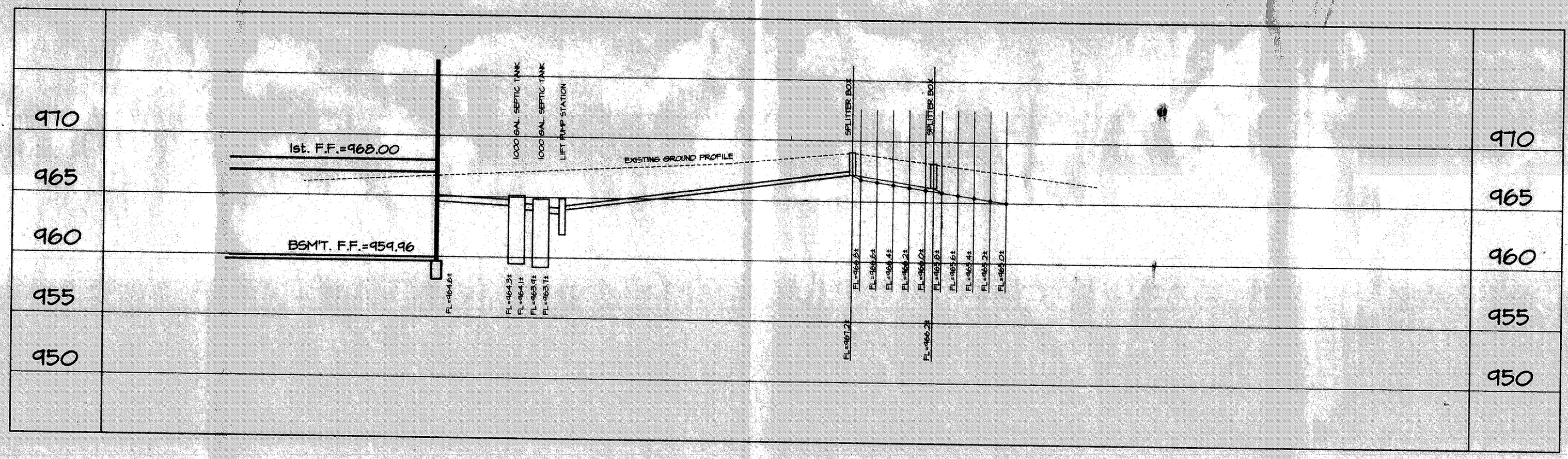
EACH SECTION OF THE LEACHING LINE SHALL BE PROVIDED WITH NOT LESS THAN ONE INSPECTION PORT. THE MINIMUM DIMENSION OF WHICH SHALL BE FOUR (4") INCHES.

THE DISTRIBUTION BOX, SPLITTER BOX AND INSPECTION PORTS SHALL BE BROUGHT TO GRADE AND SHALL BE PROVIDED WITH SECURED COVERS. THE MINIMUM INSIDE DIMENSION OF THE BOX SHALL BE EIGHTEEN (18") INCHES IN WIDTH. THE BOX SHALL BE OF SUFFICIENT DEPTH TO PREVENT OVERFLOWING WHEN SURGED.

SURFACE WATER SHALL BE DIVERTED AWAY FROM THE DISPOSAL FIELD AREAS BY THE USE OF SWALES. CURTAIN DRAINS SHALL BE INSTALLED AS INDICATED ON THE PLAN.

EVAPORATION-TRANSPIRATION TRENCHES SHALL BE COVERED WITH TOPSOIL AND SEEDED. SHRUBBERY SHALL BE PLANTED IN THE AREA OF THE FIELD IN A FASHION TO BEST ASSIST IN TRANSPIRATION.

IF DWELLING IS COMPLETED PRIOR TO COMPLETION OF THE PROPOSED WATERMAINS, A TEMPORARY WELL SHALL BE INSTALLED TO PROVIDE DOMESTIC WATER SUPPLY FOR THE DWELLING. UPON COMPLETION OF THE PROPOSED WATERMAIN, DWELLING SHALL BE CONNECTED TO THE MAIN AS INDICATED HEREON. WATER CONNECTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE OHIO WATER SERVICE COMPANY.



SEPTIC SYSTEM PROFILE

RECOMMENDED FOR APPROVAL
BY: [signature]
DATE: 4/30/96

LAKE, INC.
ENGINEERS & SURVEYORS
30601 EUCLID AVENUE WICKLIFFE, OHIO 44092

Rev. No.	Description	Date	By	CH'K'D

SITE PLAN for
CALI-WOODS SUBDIVISION

Drawn By	D.Abbott
Filename:	96-48\96-48
Checked By:	

S/L # 12

Scale:	
Horiz.	1"= 30'
Vert.	1"= 30'
Sheet No.	Of