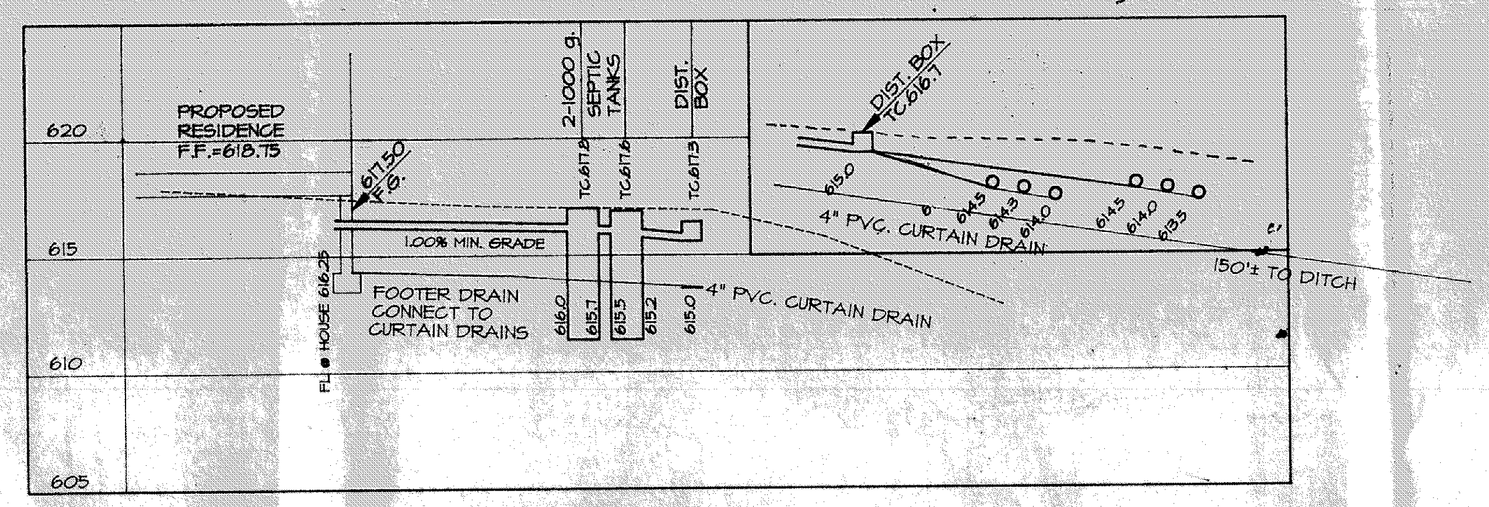
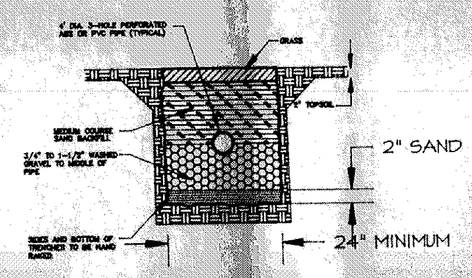
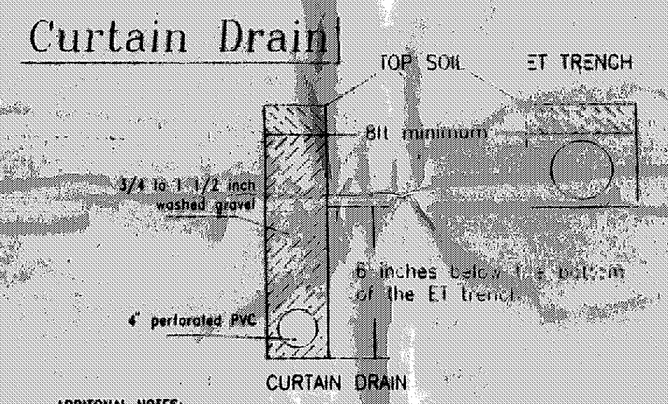



## SEPTIC SYSTEM PROFILE




## EVAPORATION - TRANSPIRATION TRENCH DETAIL




**ADDITONAL NOTES:**

- Minimum width of trench for curtain drain to be 12 inches
- Minimum slope of curtain drain will be 6 inches in 10 foot
- 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

### 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 SECTION.

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 10 GPM AT 12.0 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, POURING OR BACKWASHING. 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.

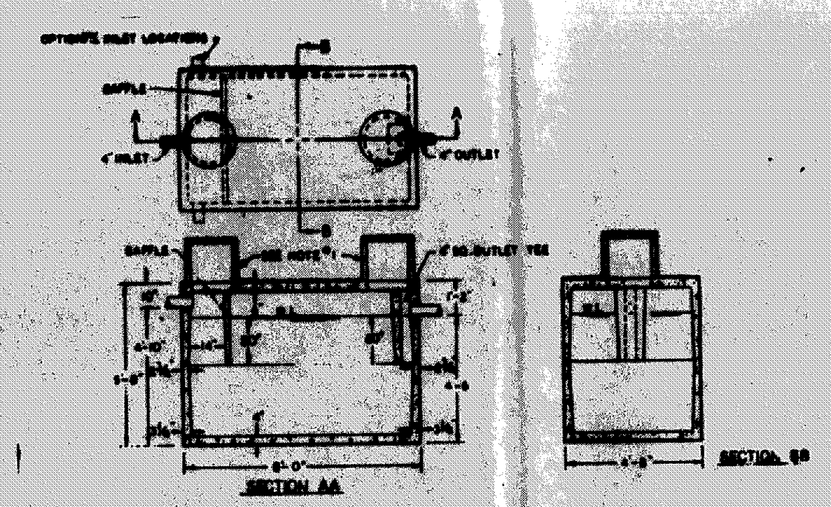
EACH SECTION OF THE LEACHING LINE SHALL BE PROVIDED WITH NOT LESS THAN ONE INSPECTION PORT. THE MINIMUM DIMENSION OF WHICH SHALL BE FOUR (4") INCHES.

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 SEWAGE.

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 GRASS. 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 WATERLINE, A TEMPORARY WELL SHALL BE INSTALLED TO PROVIDE DOMESTIC WATER SUPPLY FOR THE DWELLING. UPON COMPLETION OF THE PROPOSED WATERLINE, 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.




## TYPICAL SEPTIC TANK

NTS

## CERTIFICATION

"I, THE UNDERSIGNED HEREBY CERTIFY THAT AT THE REQUEST OF THE OWNER I HAVE SURVEYED AND PLATTED THE PARCEL AS SHOWN HEREON AND CONTAINING 10.3 ACRES OF LAND. AT ALL POINTS SO INDICATED, IRON PIN MONUMENTS WERE EITHER FOUND OR SET. DISTANCES SHOWN ARE IN FEET AND DECIMAL PARTS THEREOF. BEARINGS SHOWN ARE BASED UPON AN ASSUMED MERIDIAN AND ARE FOR THE SOLE PURPOSE OF DESCRIBING THE RELATIVE ANGULAR VALUE BETWEEN LINES.

I, THE UNDERSIGNED HEREBY CERTIFY THAT THE TOPOGRAPHY SHOWN HEREON, INDICATED BY ONE FOOT CONTOURS (TWO FOOT CONTOURS IN SLOPE AREAS) AND ELEVATIONS REPRESENTS AN ACTUAL FIELD TOPOGRAPHIC SURVEY MADE BY ME ON THE 21st. DAY OF MAY, 1993 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON."

STATE OF OHIO — WILLIAM D. LANDEG S-4544 REGISTERED — PROFESSIONAL SURVEYOR

WILLIAM D. LANDEG P.S.#4544 — DATE 8/3/93

APPROVED
SIDE LINES & SET BACK
PERRY TOWNSHIP ZONING
PERMIT NO. 486.1

| Rev. No. | Description | Date | By | CH'KD |
|---|---|---|---|---|
| | REPLACED 8"x11" TO 8"x8" PROFILE PER LAKE COUNTY HEALTH DEPT. | 8-3-93 | C.A. | |

# Site Plan for Phil Kertcher

Clark Road - Perry Twp.
July 1993

Scale:

| Sheet No. | Of |
|---|---|
| 2 | 2 |

LAKE, INC.
ENGINEERING & SURVEYORS
9060 BUCKEYE AVENUE, MCCLURE, OHIO 44527
PHONE: (216) 595-2100 FAX: (216) 595-5722

Drawn By: BRS
Filename: 93-87\93-87
Checked By: