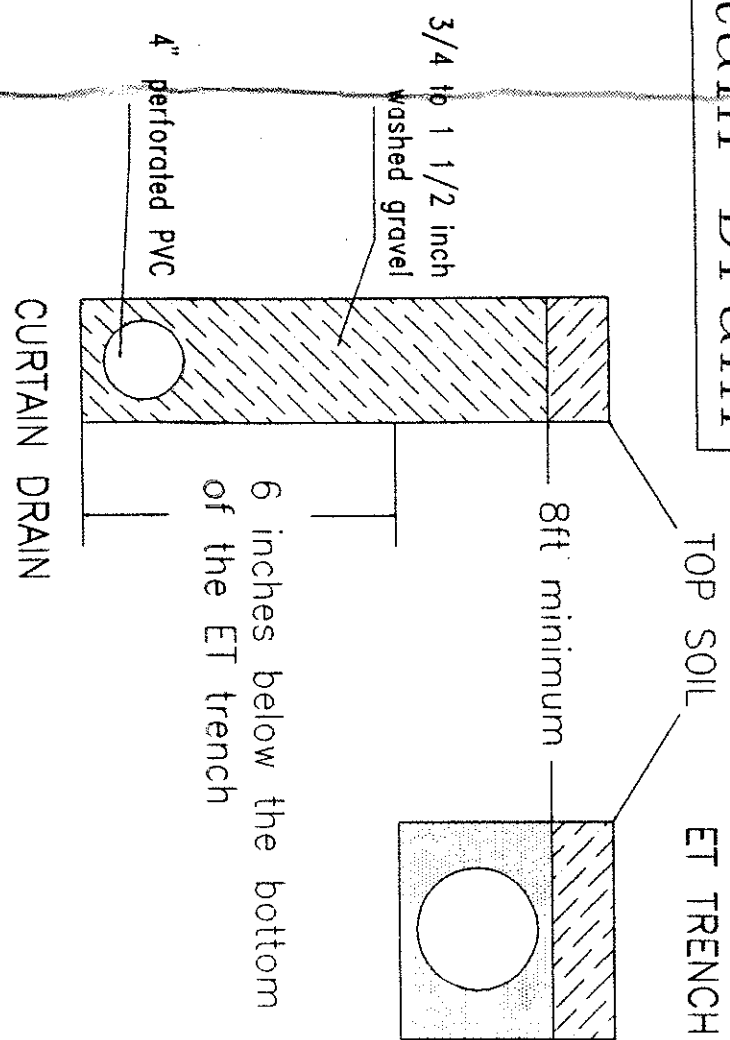


- Minimum width of trench for curtain drain to be 12 inches
- Minimum slope of curtain drain will be 6 inches in 10' foot
- The curtain drain will have an inspection port at the collection point of all four sides
- The walls of the curtain drain will be protected from the entrance of snail organisms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



MINIMUM LIFT STATION SIZE SHALL BE 200 GALLONS

Pipe to D. Box w/disconnect

ADJUSTMENT OF THE FLOATS

The floats in the lift pump stations are to be adjusted so that:

- 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

TOP SOIL
ET TRENCH

6 inches below the bottom
of the ET trench

CURTAIN DRAIN

TYPICAL SEPTIC TANK

NTS

CERTIFICATION

"I, THE UNDERSIGNED HEREBY CERTIFY THAT THIS TOPOGRAPHY SHOWN HEREON INDICATED BY 'I-O' CONTOURS AND ELEVATIONS REPRESENTS AN ACTUAL FIELD TOPOGRAPHICAL SURVEY MADE BY ME ON THE 28th DAY OF FEBRUARY, 1940 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON."

William D. Lande

DATE 10/29/96

SURVEYOR'S CERTIFICATION

"THIS IS TO CERTIFY THAT AT THE REQUEST OF THE OWNER, I HAVE SEARCHED SUBLOT # 5 IN THE BAIN FRAIR SUBDIVISION IN ACCORDANCE WITH THE PLAT WHICH IS RECORDED IN VOLUME 24 PAGE 51-1 OF LAKE COUNTY PLAT RECORDS AT ALL POINTS SO INDICATED. IRON NAIL FOUNDINGS WERE EITHER FOUND OR SET. DISTANCES SHOWN ARE IN FEET AND DECIMAL PARTS THEREOF. MEASUREMENTS SHOWN ARE BASED UPON ASSAIED MERIDIAN AND ARE FOR THE SOUTHERLY PROJECTION OF DESCRIBING THE RELATIVE ANGLE OR VALUE BETWEEN LINES. ALL OF WHICH CERTIFY TO BE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF."

William D. Landeg
WILLIAM D. LANDEG P.S. # 45914

DATE 12/29/96

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.

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
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.

SHALL BE WIRED TO A COMMON ANNUNCIATOR TO BE LOCATED IN THE BASEMENT OR GARAGE OF THE RESIDENCE.

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.

ZONING PERMIT 8499-8681

ISSUED 9/1/71

SUBJECT TO APPROVAL OF
Sanitary Eng.

Lake County Eng. Dept. ☒

Lake County Planning Dept.

Lake County -

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