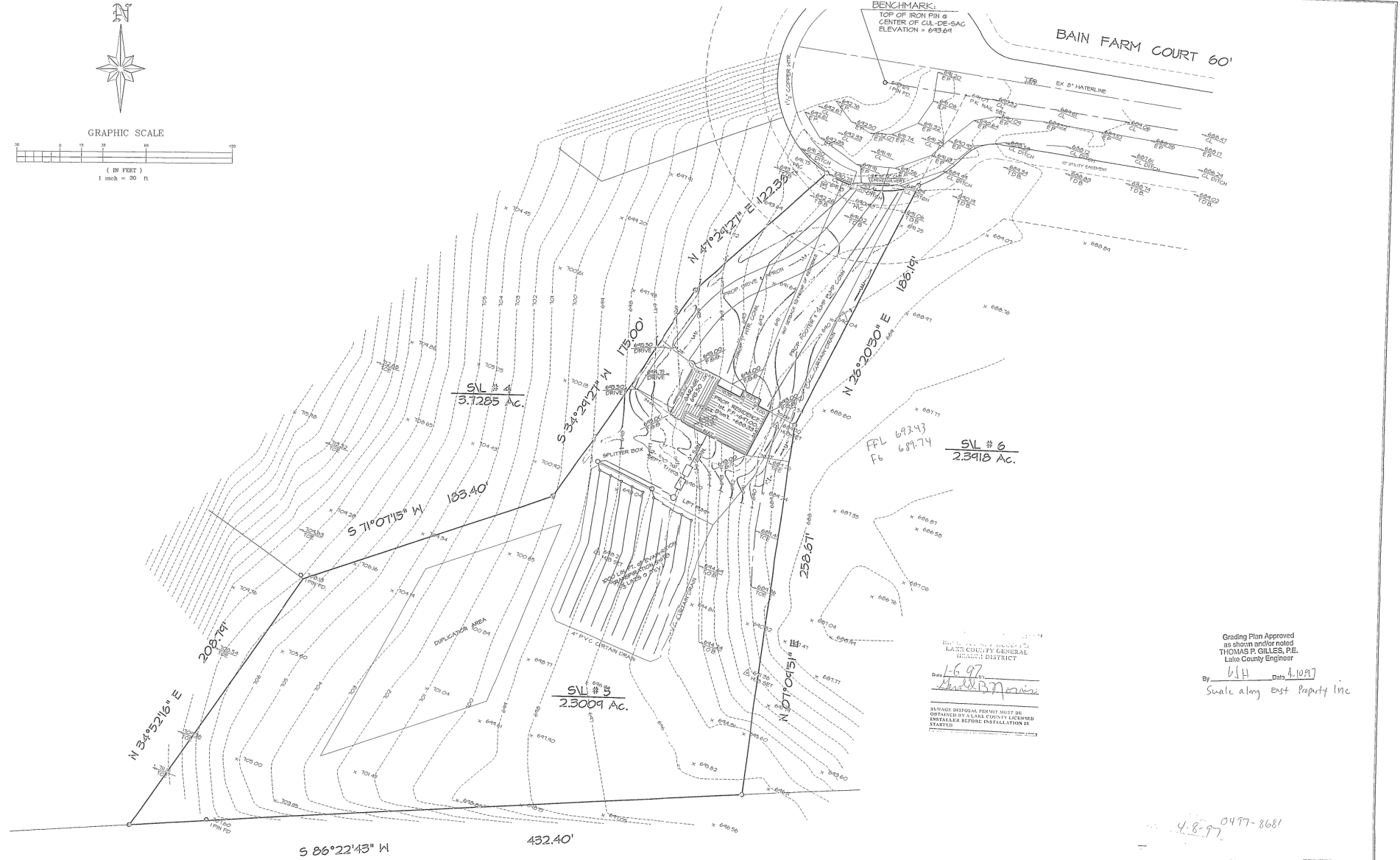


BENCHMARK:
TOP OF IRON PIN @
CENTER OF CUL-DE-SAC
ELEVATION = 649.64'

BAIN FARM COURT 60'



RECEIVED AND APPROVED BY
LAKE COUNTY GENERAL
HEALTH DISTRICT
Date: 6-97
Michael B. ...

Grading Plan Approved
as shown and/or noted
THOMAS P. GILLES, P.E.
Lake County Engineer
By: LSH Date: 4.10.97
Swale along ext. Property line

4-8-97 0477-8681

PRINTED
DEC 24 1996
L.A.C.E.D.



Rev. No.	Description	Date	By	CHK'D
1	REVISED PER LAKE COUNTY HEALTH DEPT. ADDED 2-1000 GAL SEPTIC TANKS	2/24/96	D. Abbott	

SITE PLAN for
SIGNATURE HOMES Inc.
BAIN FARM SUPERVISION, CONCORD

Drawn By: D. Abbott
Filename: 46-32148-32
Checked By:
Approved By:
Date: NOV. 25, 1996

SUBLOT # 5

Scale:

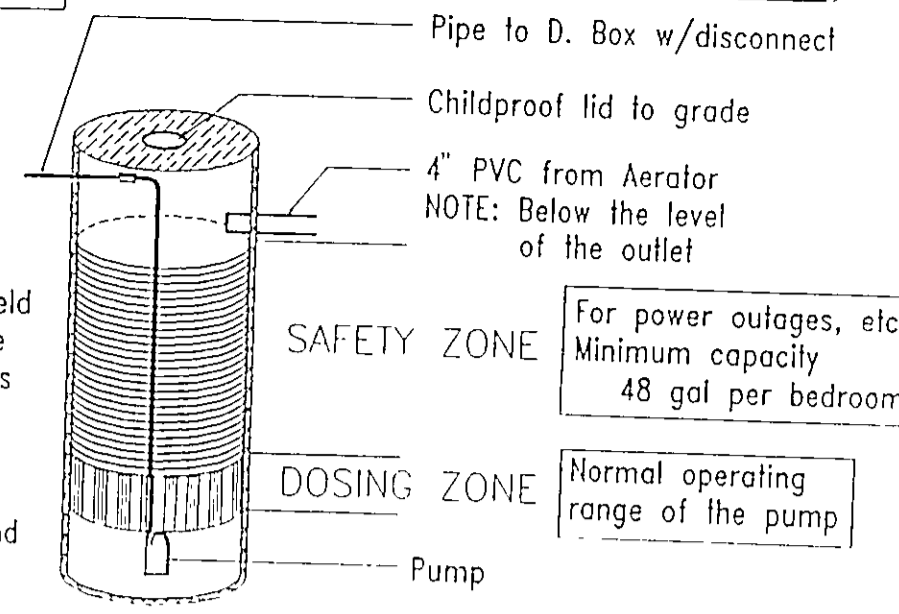
Horizontal	1" = 30'
Vertical	1" = 30'
Sheet No.	Of
1	2

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

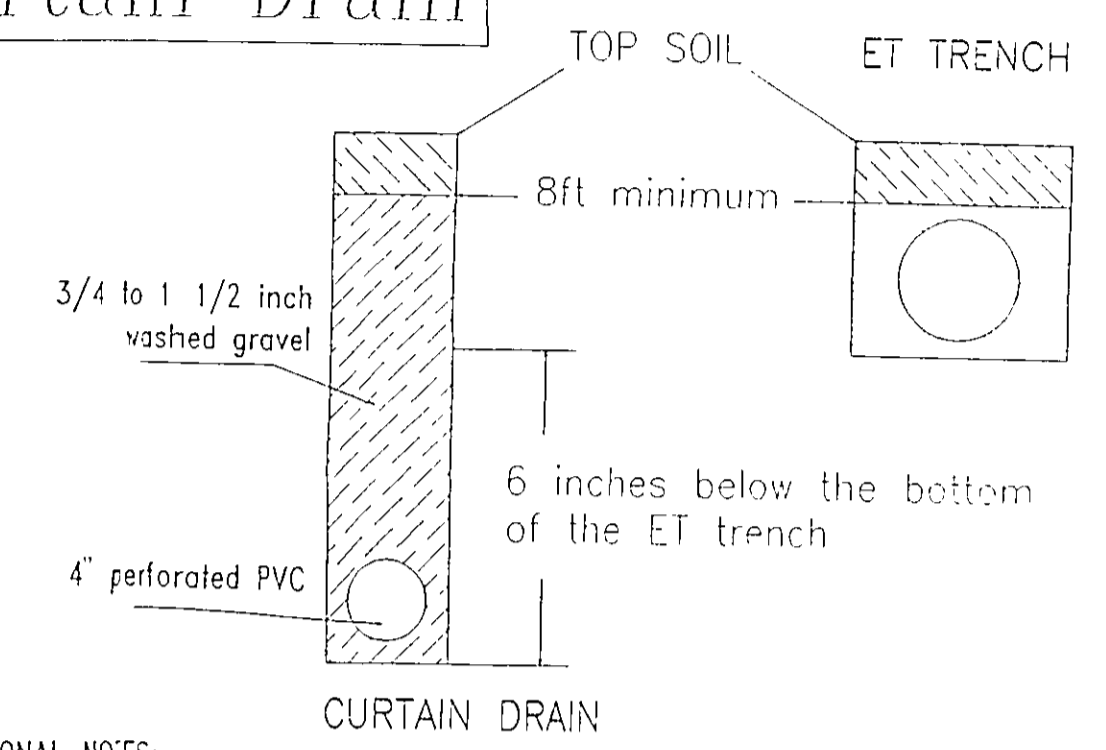
Electrical wiring for the lift station will be in conformance with local, state and national electric codes



CONSTRUCTION NOTES

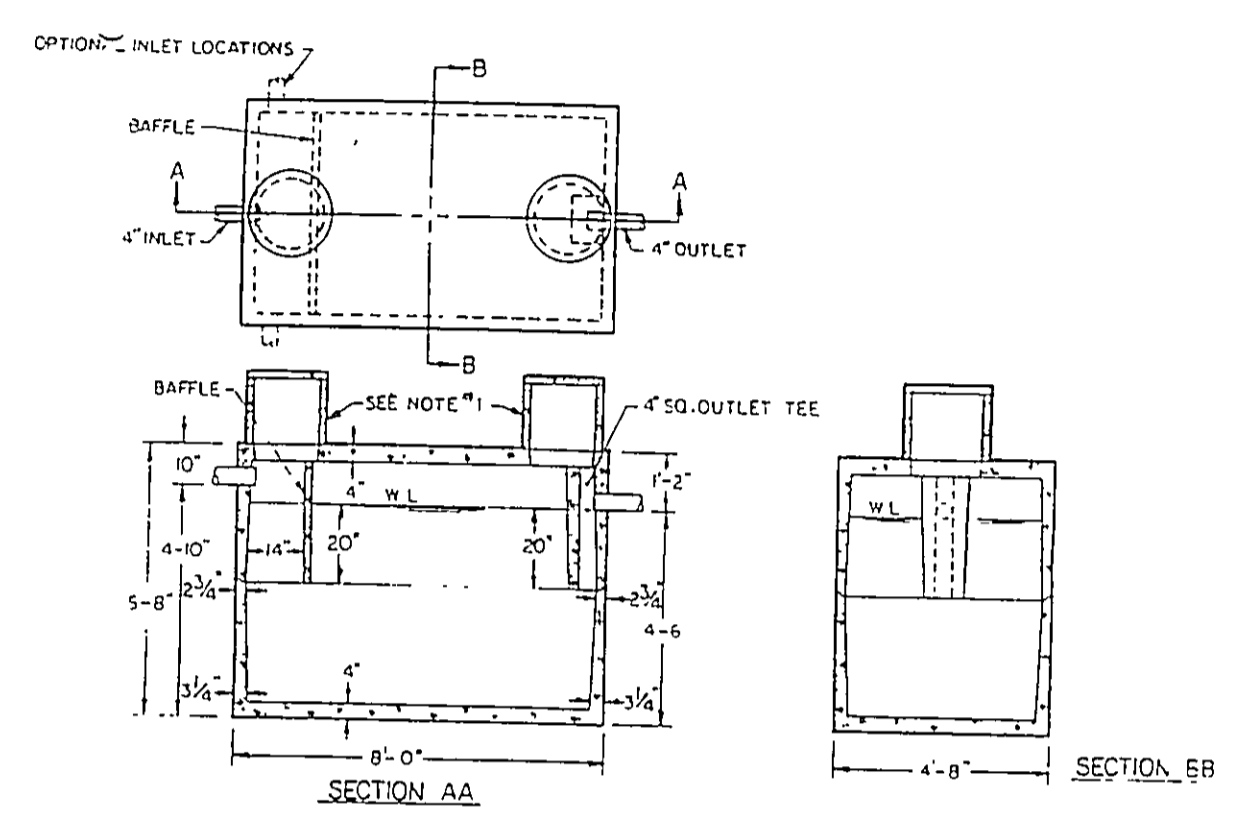
- ALL CONSTRUCTION SHALL CONFORM TO THE LAKE COUNTY BOARD OF HEALTH AND THE LAKE COUNTY BUILDING DEPARTMENT REGULATIONS.
- DRAINAGE IMPROVEMENTS OR CHANGES FROM EXISTING GRADE NOTED ON THE APPROVED PLAN SHALL BE INSTALLED PRIOR TO SEWAGE DISPOSAL SYSTEM CONSTRUCTION.
- RESIDENCE MUST UTILIZE WATER SAVING 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 SHALES. 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.

Curtain Drain

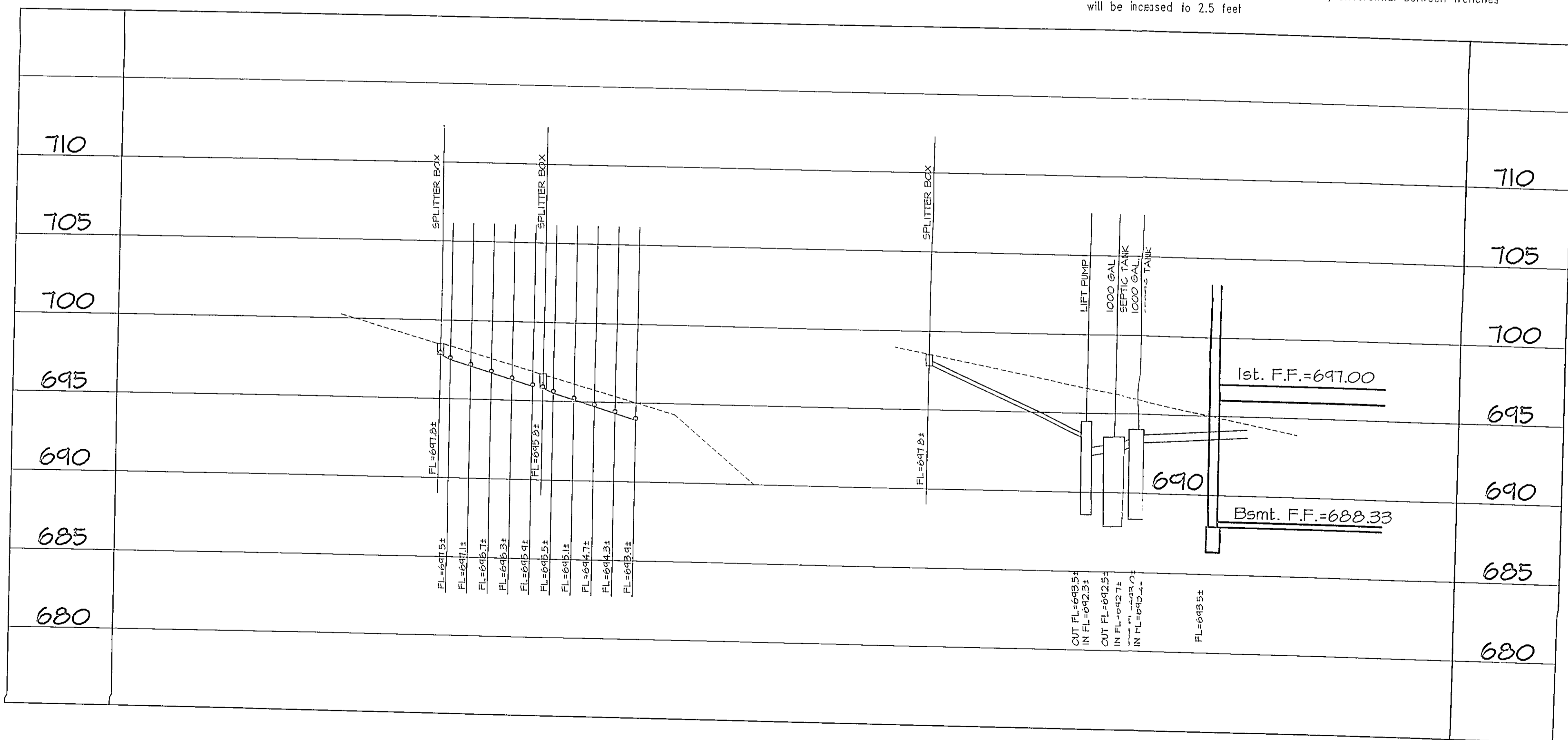


ADDITIONAL NOTES:

- Minimum width of trench for curtain drain to be 12 inches
- Minimum slope of curtain drain will be 6 inches in 10 foot
- The curtain drain will have an inspection port at the collection point of all fur 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



TYPICAL SEPTIC TANK NTS



SURVEYOR'S CERTIFICATION

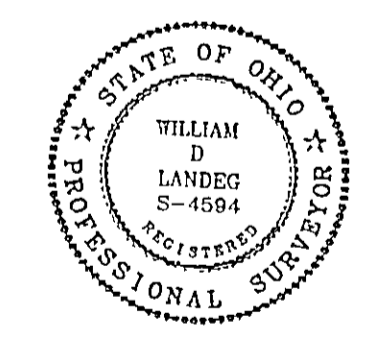
" THIS IS TO CERTIFY THAT AT THE REQUEST OF THE OWNER, I HAVE SURVEYED SUBLLOT # 5 IN THE BAIN FARM SUBDIVISION IN ACCORDANCE WITH THE PLAN WHICH IS RECORDED IN VOLUME 24 PAGE 15-1 OF LAKE COUNTY PLAT RECORDS. AT ALL POINTS SO INDICATED, IRON PIN MONUMENTS WERE EITHER FOUND OR SET. DISTANCES SHOWN ARE IN FEET AND DECIMAL PARTS THEREOF. BEARINGS SHOWN ARE BASED UPON ASSUMED MERIDIAN AND ARE FOR THE SOLE PURPOSE OF DESCRIBING THE RELATIVE ANGULAR VALUE BETWEEN LINES. ALL OF WHICH I CERTIFY TO BE CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF."

William D. Landes
 WILLIAM D. LANDES P.S. # 45914
 DATE: 12/24/96

CERTIFICATION

" I, THE UNDERSIGNED HEREBY CERTIFY THAT THIS TOPOGRAPHY SHOWN HEREON INDICATED BY 1'-0" CONTOURS AND ELEVATIONS REPRESENTS AN ACTUAL FIELD TOPOGRAPHICAL SURVEY MADE BY ME ON THE 28th DAY OF FEBRUARY, 1996 AND THAT THE ELEVATIONS WERE TAKEN AT APPROPRIATE INTERVALS AND THAT AS OF THAT DATE THEY EXISTED AS INDICATED HEREON."

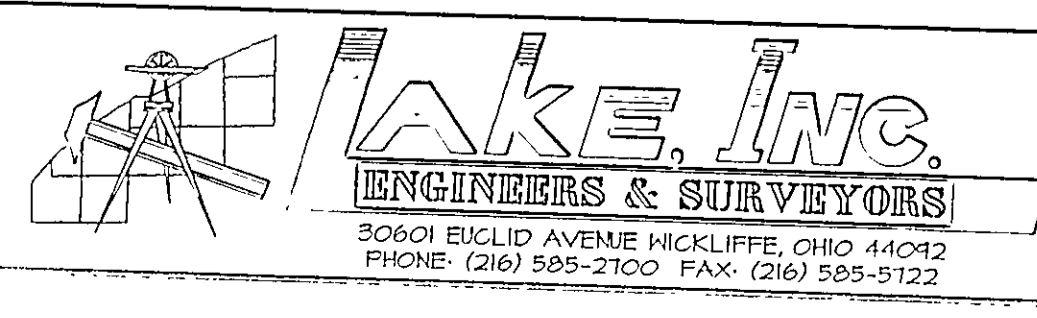
William D. Landes
 WILLIAM D. LANDES P.S. # 45914
 DATE: 12/24/96



ZONING PERMIT 0497-8681
 ISSUED 4-8-97

SUBJECT TO APPROVAL BY:
 Lake County County Eng.
 Lake County Ins. Dept.
 Lake County Planning Comm.
 Lake County Bldg. Dept.

PRINTED
 DEC 24 1996
 LAK. INC.



Rev. No.	Description	Date	By	CHK'D
1	REVISED PER LAKE COUNTY HEALTH DEPT. ADDED 2-1000 GAL. SEPTIC TANKS	12/24/96	D.Abbott	

SITE PLAN for
 SIGNATURE HOMES Inc.
 BAIN FARM SUBDIVISION, CONCORD

Drawn By: D.Abbott
 Filename: 96-32/96-32
 Checked By:
 Approved By:
 Date: NOV. 25, 1996

SUBLLOT # 5

Scale:	
Horiz. 1" = 30'	Vert. 1" = 30'
Sheet No. 2	Of 2