Date Received 9-8-83

MECK COUNTY DEPARTMENT OF
RECEIVED
SEP 8 1983
ENVIRONMENTAL HEALTH

SIR No. 20025

T. C. No. 229-131-01

Map Date _____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Given (LAST) James V. (FIRST) & Dawkins Kay (MIDDLE) Matthews

2) ADDRESS OF OWNER 2402 Beaucatcher Cove ZIP 28105

3) PHONE NO. Home 842-7279 Office 523-8111

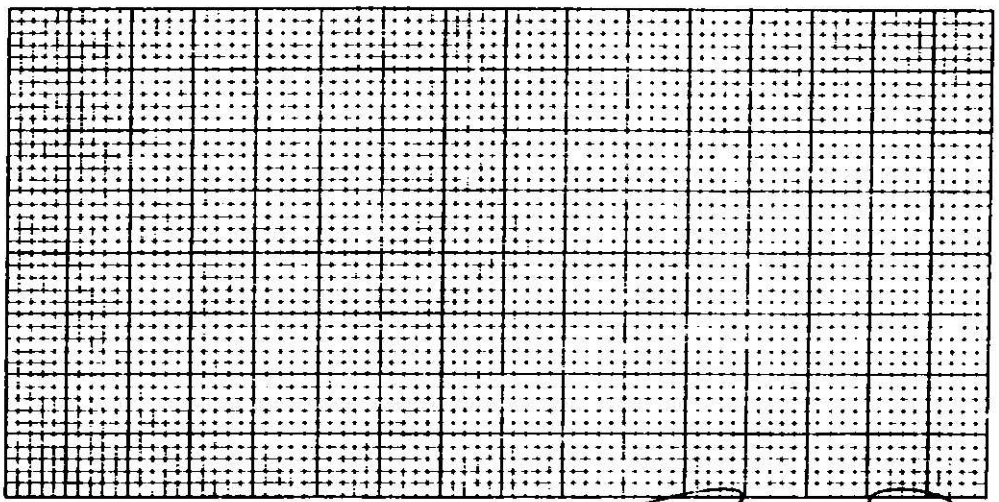
4) LOCATION OF PROPERTY End of Tom Short Rd
STREET OR COUNTY ROAD

5) SUBDIVISION _____ LOT NO. _____ BLOCK NO. _____

MAP BOOK NO. 229 PAGE NO. 13

6) DEED REFERENCE: DEED BOOK 3829 PAGE NO. 0617

Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation and an on site inspection of the lot hereinabove described for the purpose of determining if the lot is suitable for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge



7) ACCURATELY DIAGRAM & DIMENSION LOT

OWNER

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1200 BLYTHE BOULEVARD
CHARLOTTE, NORTH CAROLINA 28203

SIR. NO. 20025
T.C. NO. 229-131-01
DATE: 9-16-83

Mr. James V. Loven
2402 Beaucatcher Lane
Matthews, NC 28105

RE: Property located at Tom Short Road

Dear Mr. Loven:

At your request, a field investigation was conducted on the property designated above and was classified unsuitable for the installation of a ground absorption sewage disposal system. A copy of the site evaluation report is enclosed for your information.

Sites classified as unsuitable may be utilized for soil absorption disposal systems provided engineering, hydrogeologic, soil and environmental studies indicate that a suitable septic tank system or a suitable alternate system can be reasonably expected to function satisfactorily.

Should you desire to file for permission to install an alternate system, plans and specifications prepared by a person with a demonstrated knowledge of ground absorption sewage treatment disposal systems, soil and rock characteristics, groundwater hydrology and drainage systems should be submitted to this office. They will be reviewed and if it is found that the system may be reasonably expected to function satisfactorily, approval will be given upon the execution by you of "Septic Tank Agreement Form" provided by this office.

If I may be of assistance, please feel free to call.

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor

BDH/tbg

Enclosure

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20025

T.C. NO. PO 229-13101

(Ground Absorption Sewage Disposal)

OWNER: James V. Loven, Jr. Kay Dawkins
ADDRESS: 2402 Beaucatcher Lane
Matthews, N.C. 28105
LOCATION OF SITE: End of Tom Short Road

PLAT NO:
LOT SIZE: Approx 89000 Inc.

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 2-8% U	S PS U	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS 2-1 Clay U	S PS U	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS Blocky U	S PS U	S PS U	S PS U
4. SOIL DEPTH (inches)	S 30-36" PS U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S <30" PS U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S >36" PS U	S PS U	S PS U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U

8. SOIL GROUP IVB

9. SITE CLASSIFICATION unsuitable

10. SOIL SERIES Mecklenburg Lake

S - Suitable PS - Provisionally Suitable U - Unsuitable

**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

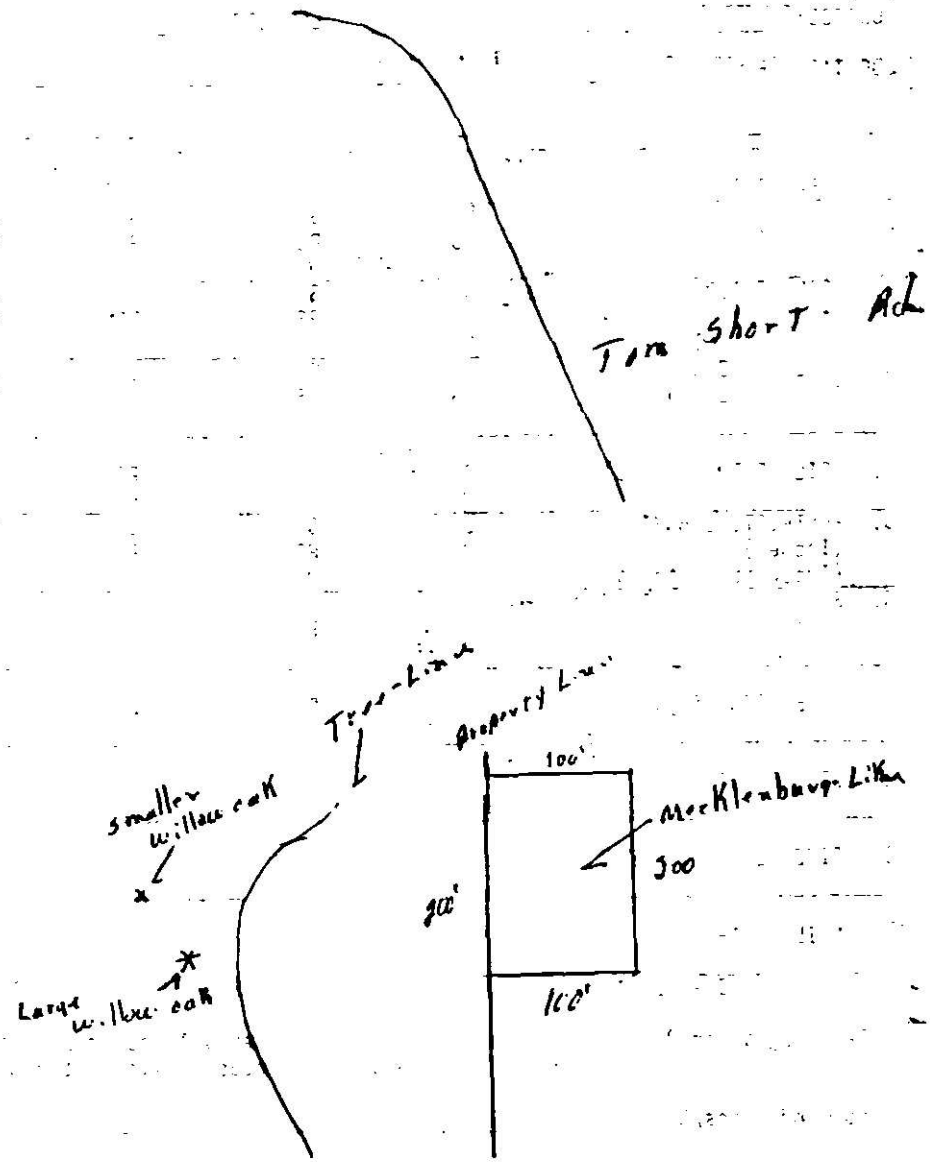
Recommendations/Comments:

Described by: William R. Martin
Title: Soil Scientist

Date: 9-13-83

EHD 539 (Revised: 6/82)

24


Tom Short Ach
Tree-Line
Property Line
100'
Mecklenburg Lake
300
200'
100'
smaller willow oak
Large willow oak

Date Received 9-16-83

RECEIVED
SEP 16 1983
ENVIRONMENTAL HEALTH

ICAR (S) Application No. 20025

T. C. No. 229-131-01

Map Date _____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

Application for an
Installation, Construction, Alteration, and/or Repair Permit
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

The owner of that property described hereinafter hereby applies to the Mecklenburg County Department of Environmental Health for a permit to:

1) ___ ✓ Install or Construct 2) _____ Alter or Repair an individual septic tank wastewater treatment system with a subsurface, soil absorption, effluent discharge.

SEE ATTACHED

3) PLOT PLAN (ACCURATELY DIMENSIONED)

Mobile Home ___ Yes ✓ No
Residence ✓ Yes ___ No

4) No of Bedrooms 4
5) Business Use — Max No Employees ___
6) Washing Machine ✓ Yes ___ No
7) Garbage Disposal ✓ Yes ___ No
8) Dishwasher ✓ Yes ___ No
9) Water Supply
   A) Individual Well ✓
   B) Governmental System ___
   C) Community System
      1 Well source ___
      2 Governmental source ___
10) Sewage System
House located within 200 feet of public sewer ___ Yes ✓ No
House located within 200 feet of community sewer ___ Yes ___ No
11) FHA Case No ___
12) VA Case No. ___

13) NAME OF OWNER LOVEN, (LAST) James (FIRST) V. (MIDDLE)

14) ADDRESS OF OWNER 2402 Beaucatcher Lane Matthews N.C. 28105

15) PHONE NO. Home 847-7279 Office 523-8111

16) LOCATION OF SYSTEM 12700 Tom Short Road (STREET OR COUNTY ROAD) Matthews NC 28105

17) SUBDIVISION _____ Lot No. _____ Block No. _____

Map Book No. 229 Page No. 13

18) DEED REFERENCE — DEED BOOK 3829 AT PAGE 0617

19) HAS A SOIL INVESTIGATION BEEN RUN? Yes YES _____ NO DATE RUN 9-16-83

20) PTR NUMBER (See Instructions) _____

The undersigned person hereby agrees that he has read the foregoing application and that the contents of same are true. It is understood that any permit applied for herein shall be void and of no effect if any of the above facts are not true.

9-16-83
DATE OF APPLICATION

OWNER

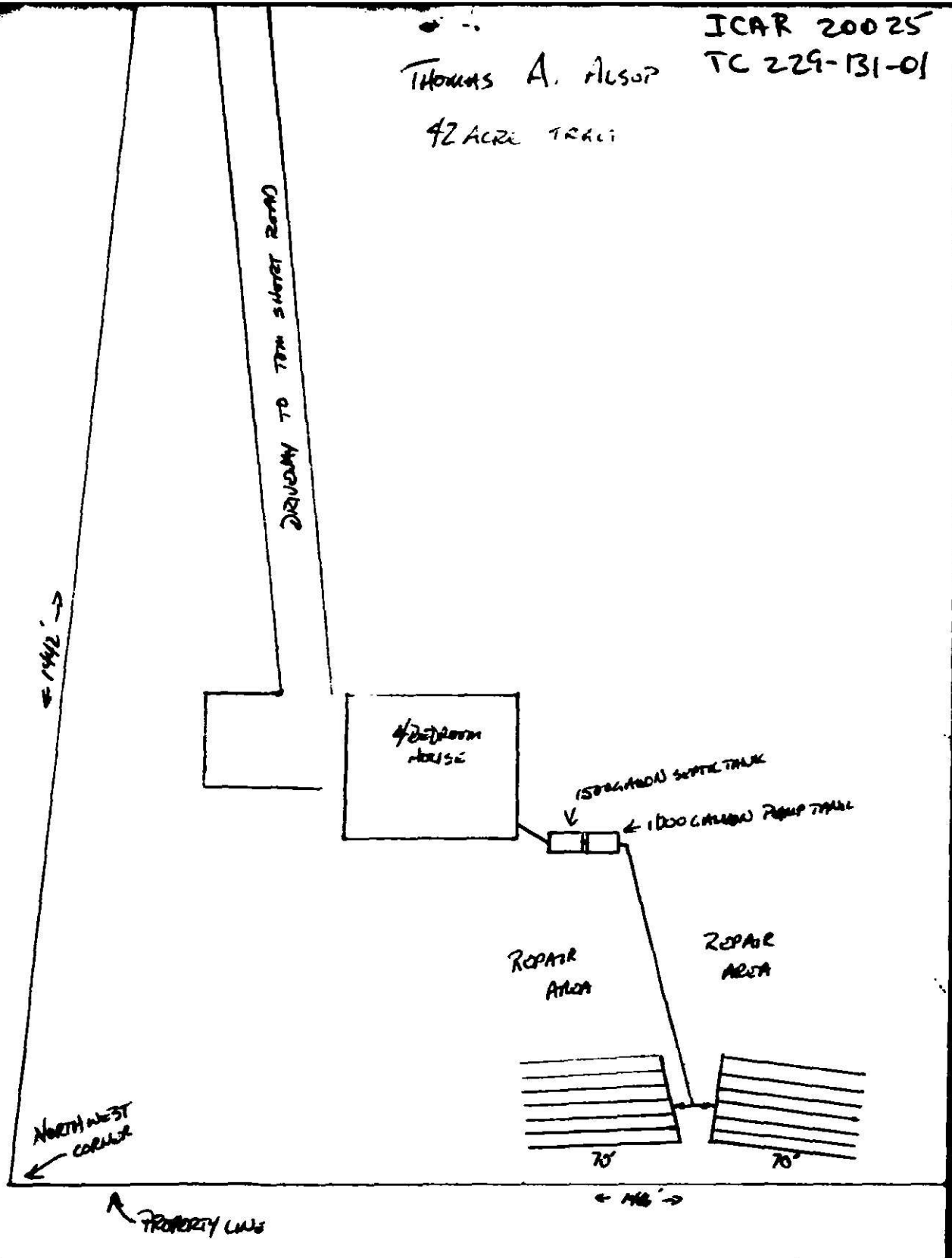
EHB-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

ICAR 20025
TC 229-131-01

THOMAS A. ALSOP

42 ACRE TRACT



DAILY WASTE FLOW	480 GPD
SEPTIC TANK SIZE	1500 GALLON
PUMP TANK SIZE	100 GALLON
EFFLUENT LOADING RATE	.1 GPD/FT² (MECKLENBURG SOIL)
ABSORPTION AREA	4800 SQ FT
TOTAL LENGTH OF LATERALS	980 LINEAR FT
LATERAL DIA.	1¼"
LATERAL CONFIGURATION	14 - 70' LINES 2 GROUPS 7 IN EACH GROUP
SUPPLY LINE LENGTH	75'
SUPPLY LINE DIA.	2"
MANIFOLD PLACEMENT	SIDE
HOLE SIZE	5/32" EVERY 7'
# OF HOLES	10 PER LINE 140 OVERALL
PRESSURE HEAD	2'
FLOW PER HOLE	.41 GPM
TOTAL FLOW	57.4 GPM
ELEVATION HEAD	5'
FRICTION HEAD	5' (6.2 TDH)
PRESSURE HEAD	2'
TOTAL HEAD	10' (13.2 TDH)
PUMP REQUIREMENTS	58 GPM AT $\left(\frac{13.2}{10}\right)$ TOTAL DYNAMIC HEAD
STORAGE VOL. IN LATERALS	88 GALLONS
IN SUPPLY	12 GALLONS
TOTAL	100 GALLONS
DOSING VOLUME	452 GALLONS
DOSING DEPTH	23"

NO CHECK VALVE NECESSARY

Serial No. 6781

SIR No. 20025

Date Issued 9-20-83

T. C. No. 229-131-01

Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

TO THE BUILDING INSPECTION DEPARTMENT

APPROVAL OF LOT FOR INSTALLATION OF AN INDIVIDUAL SEPTIC TANK WITH SUBSURFACE, SOIL ABSORPTION, EFFLUENT DISCHARGE

NAME OF OWNER Loven, (LAST) James (FIRST) V. (MIDDLE)

ADDRESS OF OWNER 2402 Beaucatcher Lane, Matthews, NC ZIP 28105

LOCATION OF LOT 12700 Tom Short Road (STREET OR COUNTY ROAD)

SUBDIVISION _____ LOT NO. _____ BLOCK NO. _____

MAP BOOK NO. _____ PAGE NO. _____

The above specified lot is approved by the Mecklenburg County Department of Environmental Health for the installation of an individual septic tank system with subsurface, soil absorption, effluent discharge based on the soil investigation, on an on-site inspection of the said lot; and upon the information supplied in the "Application for an Installation, Construction, Alteration, and/or Repair Permit", number 20025 This approval is subject to the following terms and conditions:

1. That the nitrification field be installed, constructed, altered and/or repaired in the same area where the soil investigation was run.
2. That an "Installation, Construction, Alteration, and/or Repair Permit" be issued and in full force and effect when the system is installed, constructed, altered, and/or repaired and that the system be installed in accordance with same.

This approval may be revoked and the building inspection department requested to revoke any building permit(s) which have been issued to authorize construction on the said lot if at any time it is determined that any information contained in the "Application for an Installation, Construction, Alteration, and/or Repair Permit" is not correct or is untrue or that the septic-tank system is not being installed, constructed, altered and/or repaired in accordance with a valid Installation, Construction, Alteration, and/or Repair Permit.

*** AGREEMENT FORM ON FILE ***

Environmentalist

Environmental Health Director, or Authorized Section Head

EHD-S-76

Environmental Health Department's Copy