Date Received 2/4/80

MECK. COUNTY DEPARTMENT OF
RECEIVED
JAN 28 1980
ENVIRONMENTAL HEALTH

APT No. 16530

T. C. No. 231-101-04

Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Ash Development Company
(LAST, FIRST, MIDDLE)

2) ADDRESS OF OWNER 5511 Monroe Road, Charlotte, North Carolina ZIP 28212

3) PHONE NO. Home _____ Office 568-5517

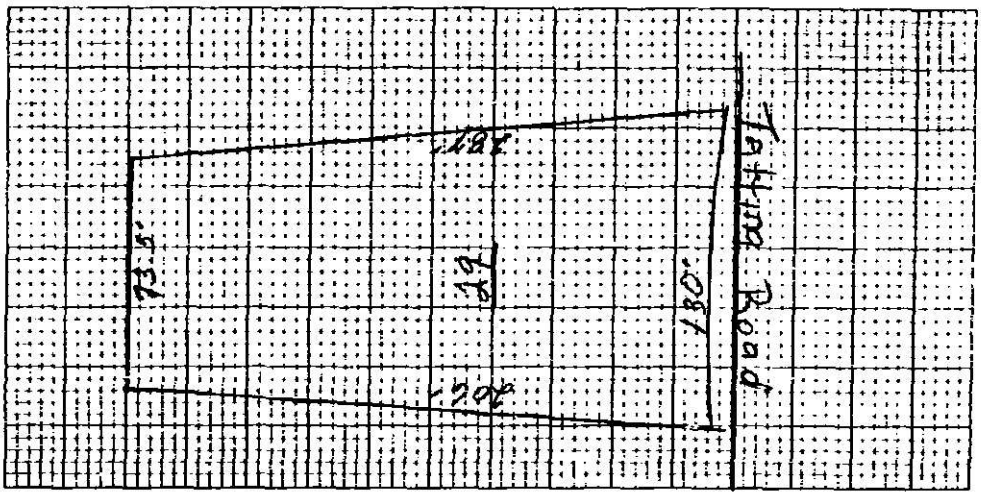
4) LOCATION OF PROPERTY Tatting Road
(STREET OR COUNTY ROAD)

5) SUBDIVISION Hearthstone #2 LOT NO 29 BLOCK NO. 1

MAP BOOK NO _____ PAGE NO _____

6) DEED REFERENCE DEED BOOK _____ PAGE NO _____

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

M B Hollis
OWNER

EHO-5-76

Environmental Health Department's Copy

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
RALEIGH, NORTH CAROLINA

APPENDIX II
SITE EVALUATION

S.I.R. No. 165-30
T.C. No. 80231-101-77

(Ground Absorption Sewage Disposal)

OWNER: A&L Development Co.
ADDRESS: 5511 Monroe Road
COUNTY: Charlotte N.C.
LOCATION OF SITE: Talley Road

DATE REQUESTED:
PLAT NO: Lot 24 Block W
LOT SIZE: 24,846

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	(S) PS U 2 15%	S PS (U) Some complex slopes	(S) PS U 2-6%	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2:1 Clay)	S (PS) U Clay	S PS (U) 2:1 Clay	S PS (U) 2:1 Clay	S PS U
3. SOIL STRUCTURE (12-36 inches)	S (PS) U Blocky	S (PS) U Weak Blocky	S (PS) U Weak Blocky	S PS U
4. SOIL DEPTH (inches)	(S) PS U 48"	S PS (U) Variable	(S) PS U 48"	S PS U
5. RESTRICTIVE HORIZONS (inches) (Impervious strata, Rock)	(S) PS U None	(S) PS U Hard	(S) PS U None	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	(S) PS U 76" to ground water	S PS (U) Drainage way Area	S PS (U) Seasonal Perched water Table	S PS U
7. SOIL PERMEABILITY (percolation rate)	S (PS) U Moderate	S PS (U) Slow to Very Slow	S PS (U) Very Slow	S PS U
8. OTHER (specify)	S PS U Lim. Fed Area	S PS U	S PS U	S PS U
9. SITE CLASSIFICATION	✓ Provisionally Suitable	Unsuitable	unsuitable	
10. SOIL SERIES	Cec. I	Drainageway	Helena	

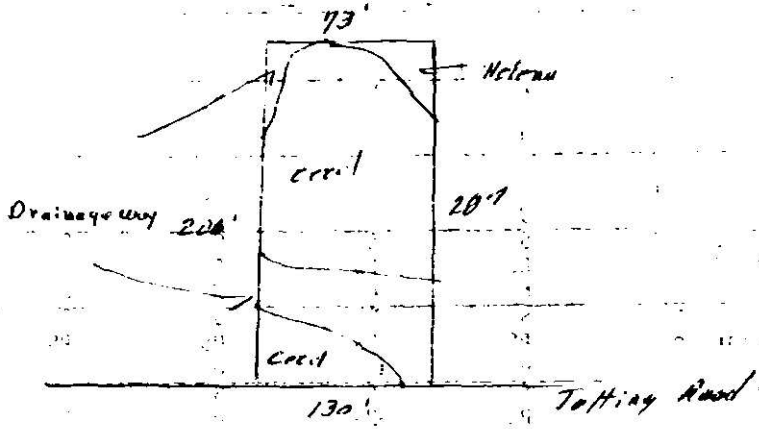
S - Suitable PS - Provisionally Suitable U - Unsuitable

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

Recommendations/Comments: Recommend that plans for house system, & well location be submitted and approved before permit is issued to Building Inspection

Described By: William R Marlin
Title: Soil Scientist
Date: 11-17-80

DHS Form 2601
Sanitation
EHD 539 (2/80)


93'
Melrose
Creek
20'
Drainageway 200'
Creek
130'
Tolliay Road

Serial No. 3853

PTR No. 16530

Date Issued Nov. 20, 1980

T C No po 231-101-04

Map Date

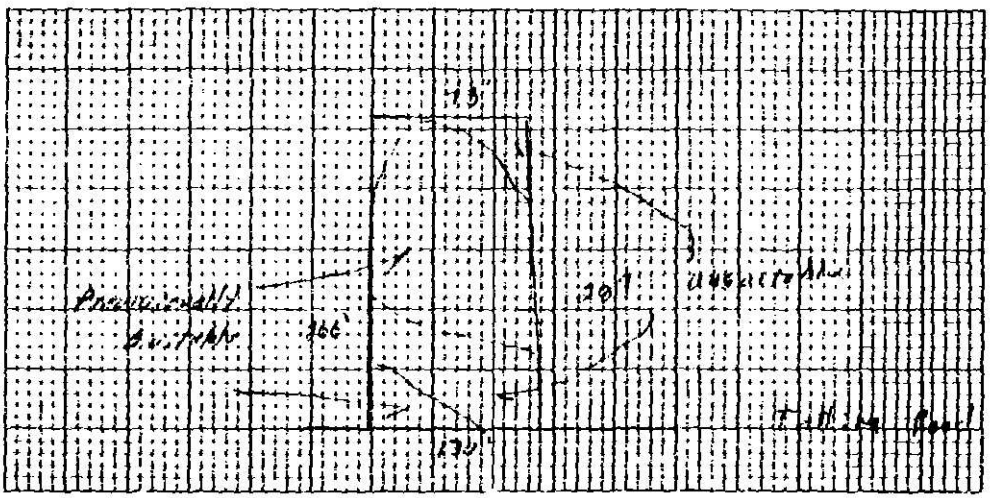
MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
SOIL INVESTIGATION REPORT

NAME OF OWNER (LAST) Ash Development Company (FIRST) (MIDDLE)

ADDRESS OF OWNER 5511 Monroe Road, Charlotte, NC ZIP 28212

LOCATION OF PROPERTY Tattin g Road (STREET OR COUNTY ROAD)

SUBDIVISION Hearthstone II LOT NO #29 BLOCK NO. (4)



PLOT PLAN

This is to certify that a soil investigation and on-site investigation was made by the Mecklenburg County Department of Environmental Health on the lot described above. The said investigation was conducted on that portion of the lot as indicated on the above plot.

The permeability rate determined by the investigation was **Provisionally Suitable**. The said lot is approved for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption effluent discharge subject to the following terms and conditions:

1. A permit to install, construct, alter, or repair the specific system shall be obtained from the Mecklenburg County Department of Environmental Health prior to the beginning of any construction of building, or of the wastewater treatment system on the said lot.
2. The size of the septic tank wastewater treatment system which must be installed will be determined by the Mecklenburg County Department of Environmental Health prior to installation is based on the permeability rate obtained above, and on the size and type of building constructed thereon.
3. This approval is valid only if the system is installed in the immediate area indicated as acceptable for system installation on the above plot.
4. This approval is void if any grading, filling, or construction (including the drilling of a well) is performed on the lot which, in the opinion of the Mecklenburg County Department of Environmental Health, renders the area indicated as acceptable for system installation unsuitable for installation, construction, alteration and/or repair of such a system.

This approval is granted based on the laws of the State of North Carolina and the rules and regulations of the North Carolina Department of Human Resources, Division of Health Services and the Mecklenburg County Health Commission which were in effect on the date of issuance and is void if at any time in the future, prior to completion of the system, these laws, rules and regulations are changed such that this approval would not have been granted had the new or revised laws, rules, and regulations been in effect on the issue date.

William B. Marlen
Soil Scientist

John B. Atkinson
Environmental Health Director or Authorized Section Head

EHD-5-76

Environmental Health Department's Copy

Date Received 2-5-85

RECEIVED

ICAR(S) Application No. 16530

T C. No. Co 231-16/2 4

Map Date L

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.



3) PLOT PLAN (ACCURATELY DIMENSIONED)

Mobile Home ___Yes ___No
Residence ✓Yes ___No
4) No of Bedrooms 3
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 200' No
House located within 200 feet of community sewer ___Yes ___No
11) FHA Case No. ___
12) VA Case No. ___

13) NAME OF OWNER Brookshire (LAST) Douglas (FIRST) Leon (MIDDLE)

14) ADDRESS OF OWNER 5610 Landmark Dr Charlotte NC.

15) PHONE NO. Home 365-2441 Office 365-2644

16) LOCATION OF SYSTEM 3136 Tatum Road (STREET OR COUNTY ROAD)

17) SUBDIVISION Hawthorne # 2 Lot No. 29 Block No. 4

Map Book No. 69 Page No. 463

18) DEED REFERENCE — DEED BOOK 4331 AT PAGE 355

19) HAS A SOIL INVESTIGATION BEEN RUN? (YES) ___ NO DATE RUN 4-3-84 11-20-84

20) PTR NUMBER (See Instructions) ___

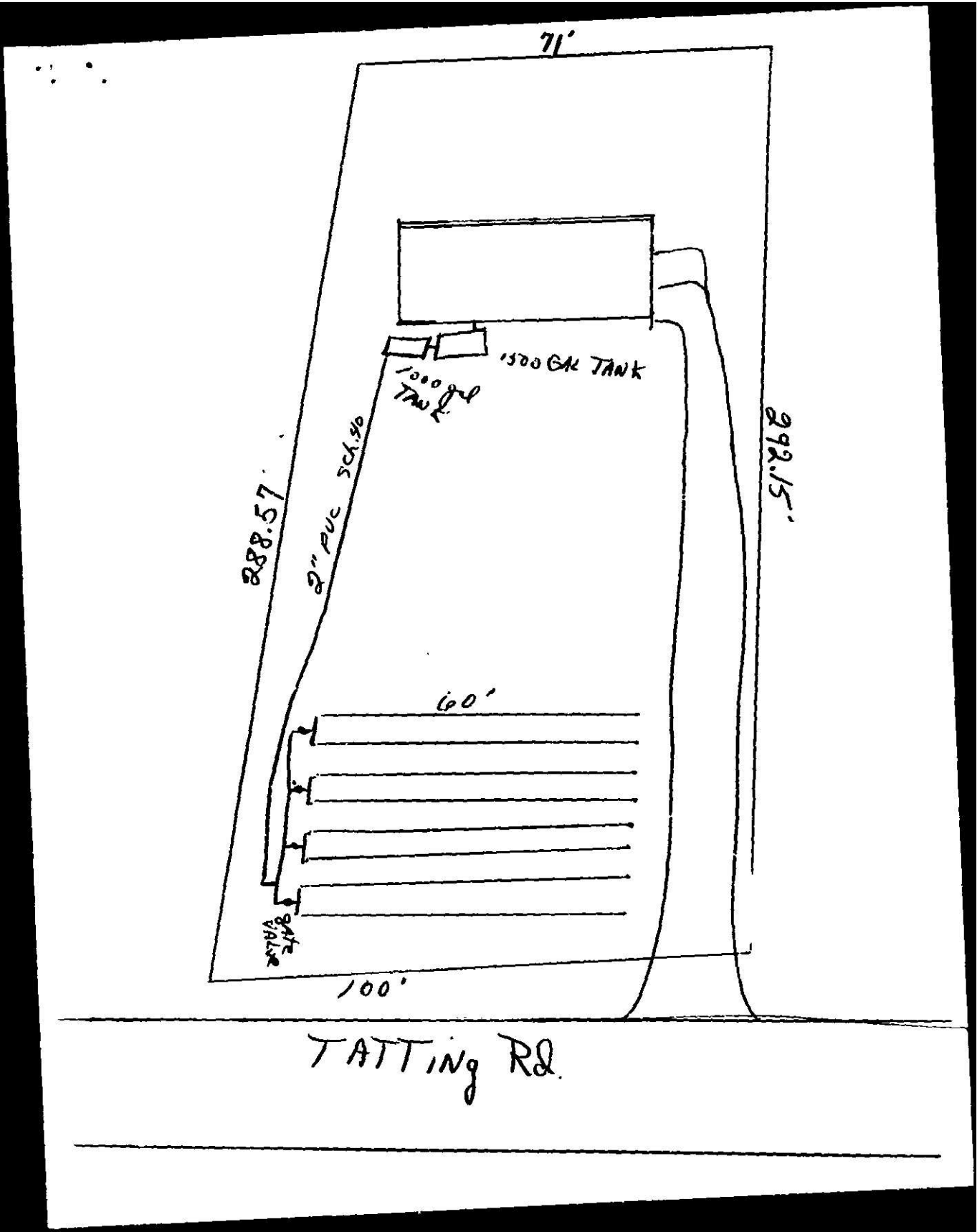
The undersigned person hereby agrees that he has read the foregoing application and that the contents of same are true. It is understood that any permit applied for herein shall be void and of no effect if any of the above facts are not true.

1-21-85
DATE OF APPLICATION

Douglas L Brookshire
OWNER

EHD-5-76

Environmental Health Department's Copy

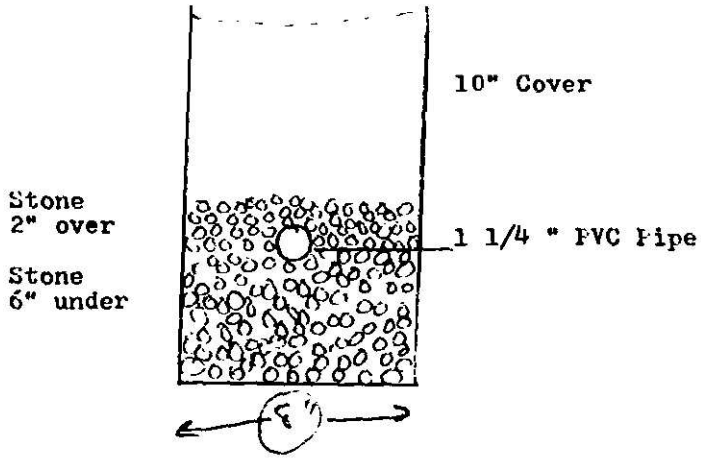

71'
1500 GAL TANK
1000 GAL TANK
2" PVC SCH. 80
288.57'
292.15'
60'
100'
TATTING RD.

Doug Brookshire Tatting Road

Daily waste fow 360 GPD
Septic Tank Size 1500 gallon
Pumping tank size 1000 gallon
Effluent loading rate .20 GPD/ ft^2 .5
Absorption area 2400 sq. ft.
Total length of laterals 480 ft.
Lateral diameter 1 1/4"
Lateral configuration 8 lines 60 ft long
Supply line length 100'
Supply line diameter 2" Sch 40 pipe
Manifold placement Perpendicular to laterals
Hole size 5/32"
Distance between holes see attached sheet
Number of holes "
No. of holes per line "
Pressure head 2'
Flow per hole
Total flow 49.87
Elevation Head 20'
Friction head 4.65'
Pressure head 2'
Total head 26.65 or 27'
Pump requirements 50 GPM at 27' total head
Storage volume in laterals 44 gallon
Storage volume in supply line 18.8 gallon
Total storage volume 63 gallon
Dosing volume 239 gallon
Dosing depth 8.1 inches
Check valve needed No

Doug Brookshire
Tatting Road 376-4603

This system uses 8 lines, 60 feet long to give 480' of drain line. The extra footage was added at owners request. Hole spacings were figured for each line separately, but it is still advisable to have 1 gate valve for every 2 lines in order to have better control of the water on this type of slope. This would mean 4 gate valves, with a 6 inch wide trench, 18 inches maximum depth, 6 inches stone under pipe and 2 inches over pipe.



Doug Brookshire Tatting Road

Line #	Hole Size	# Holes	Pressure Head	Flow per Hole G.P.M.	Hole Spacing	Flow per Line GPM	1st Hole Spacing
1	5/32"	15	2'	0.41	4'	6.15	24"
2	5/32"	15	2'	0.41	4'	6.15	24"
3	5/32"	~~13~~ (12)	3'	0.50	~~4'6"~~ (5'	~~6.75~~ 6.00	~~27"~~ (30"
4	5/32"	12	3 1/2'	0.54	5'	6.48	30"
5	5/32"	11	4'	0.58	5'6"	6.38	33"
6	5/32"	10	4 1/2'	0.61	6'	6.1	36"
7	5/32"	10	4 1/2'	0.61	6'	6.1	36"
8	5/32"	9	5'	0.64	6' 6"	5.76	39"
						49.12	

Date Issued 2-5-85

Serial No. 8159

SIR No. 16530

T. C. No. PO 231-101-04

Map Date L CPT

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 Brookshire, (LAST) Douglas (FIRST) Leon (MIDDLE)

ADDRESS OF OWNER 5610 Landmark Dr., Charlotte, NC ZIP 28211

LOCATION OF LOT 3130 Tatting 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 16530. 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.

Cynthia G. Bass
Environmentalist

Eric D. Henderson
Environmental Health Director, or Authorized Section Head

EHD-S-76

Environmental Health Department's Copy

Serial No. 08246

ICAR(S) Permit No. 16530

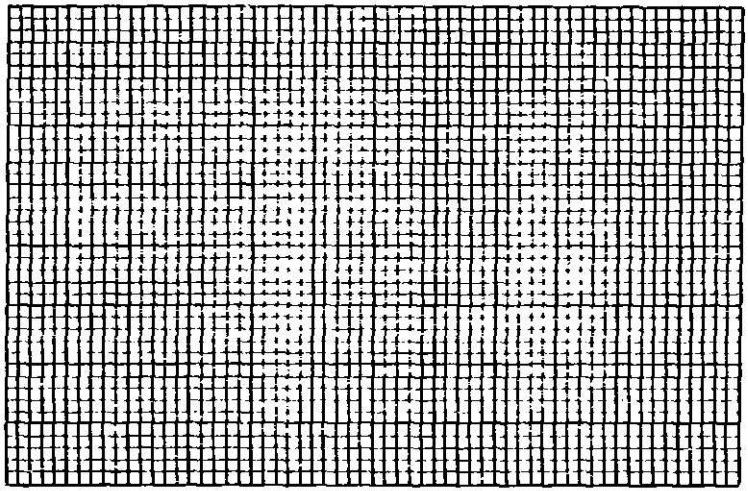
Date Issued 6/10/85

T C No 231-101-01

Map Date L

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
INSTALLATION, CONSTUCTION, ALTERATION, AND/OR REPAIR PERMIT
(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Permission is hereby given to ✓ Install or Construct, ___ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in application 16530, dated 2/5/85 and this permit shall be void and of no effect if the information provided in the application is not true or is erroneous. All work shall be completed on or before 7/10/85, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permeability Rate PS

Liquid Capacity of Tank #1500+1000

Tank Construction PCC

Absorption and/or Nitrification Lines:

Total Line Length 480'

Number of Lines 8X60'

Distance from House 5'

Distance from Property Line 10'

Distance from Well community

NAME OF OWNER Brookshire Douglas Loan

LOCATION OF PROPERTY 3130 Tatting Road

The system shall meet all of the construction requirements as set forth in the Regulations of the Mecklenburg County Health Commission which are in effect on the date of the granting of this permit. A certificate of approval must be issued by the Environmental Health Director before any system can be covered up or otherwise rendered uninspectable or can be used. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

Install in accordance with plans on file

Comments:

Division or Section Head

Cynthia G. Bass
Environmentalist

* If this permit is for the installation or construction of a new system, it must be signed by the division or a section head of the Department of Environmental Health in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

EHD-S-76

Environmental Health Department's Copy

C of A (s) No. 16530

Date Issued 6/12/85 **Serial** 7621 PO T C No 631-101-04

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

L CRT

OPERATION PERMIT

CERTIFICATE OF APPROVAL

(Individual Septic Tank System with Subsurface, Soil Absorption, Effluent Discharge)

Name of Owner Brookshire (LAST) Douglas (FIRST) (MIDDLE)

Location of Property 3130 Tatting Road

Application Number 16530 Permit Number 16530

Inspection Date:

Liquid Capacity of Tank 1500 + 1000 Tank Material PCC

Total Length of Drain Tile 480' Number of Lines 8 X 60'

Depth of Filter Material 6" Cover Depth 8"

Water Supply Source community Distance from Water Source >100'

Excavation Inspected 6/12/85 (DATE) Tank Inspected 6/12/85 (DATE)

Nitrification Field Inspected 6/12/85 (DATE)

Washing Machine Line Inspected, If Applicable ____ (DATE)

The undersigned has inspected the Individual Septic Tank System with subsurface, soil absorption, effluent discharge as described above and it has been ✓ installed or constructed, ____ altered or repaired in accordance with the permit issued and the regulations of the Mecklenburg County Health Commission in effect on the date of issuance of the permit. The issuance of this Certificate of Approval does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This Certificate of Approval is issued subject to those restrictions and conditions shown on the permit(s) in addition to those listed below under comments. This Certificate of Approval shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Comments: Installed in accordance with plans on file

~~1500ST, 1000DT, PI, LPP, 6G, Cecil~~

1500ST, 1000DT, PI, LPP, 2400 SFT, 8G, Cecil

Cynthia G. Bass
Environmentalist

EHD-5-76

Environmental Health Department's Copy