C of A (s) No. 21872

Date Issued 11/27/85 **Serial** 8013 T C No. 029-091-20

L C1

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
OPERATION PERMIT

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

Name of Owner Overby (LAST) Karl (FIRST) Joseph (MIDDLE)

Location of Property 10161 Quay Road

Application Number 21872 Permit Number 21872

Inspection Date:

Liquid Capacity of Tank 1500+1000 Tank Material ACC

Total Length of Drain Tile 800' Number of Lines 10

Depth of Filter Material 10" Cover Depth 6"-10"

Water Supply Source well Distance from Water Source >100'

Excavation Inspected 11/27/85 (11/19/85) Tank Inspected 11/19/85 11/27/85 (DATE)

Nitrification Field Inspected 11/27/85 (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 [illegible] MECKLENBURG

Cynthia G. Bass
Environmentalist

EHD-5-76

Environmental Health Department's Copy

LPF System Design File 218/2

Line No.	Hole Size	(Conv)	No. Holes	Head Press.	Flow/ Hole	Hole Spacing	Flow/ Line	Flow/ Foot	Line Length
1	1/8	0.1250	16	2.00	0.26	5.0	4.17	0.052	80
2	1/8	0.1250	14	2.50	0.29	5.8	4.08	0.051	80
3	5/32	0.1563	8	3.00	0.50	11.7	3.99	0.050	80
4	1/8	0.1250	12	3.50	0.34	7.0	4.14	0.052	80
5	1/8	0.1250	12	4.00	0.37	7.0	4.42	0.055	80
6	1/8	0.1250	16	2.00	0.26	5.0	4.17	0.052	80
7	1/8	0.1250	14	2.50	0.29	5.8	4.08	0.051	80
8	5/32	0.1563	8	3.00	0.50	11.7	3.99	0.050	80
9	1/8	0.1250	12	3.50	0.34	7.0	4.14	0.052	80
10	1/8	0.1250	12	4.00	0.37	7.0	4.42	0.055	80
			124				41.583		

OK

R. C. S., Inc.

Septic Tank Installation & Service

Stafford Street
Post Office Box 708
Monroe, North Carolina 28110
Phones: 704-283-7539 or 376-9359

CARL OVERBY

FILE NO. 21872

QUAY RD.

DAILY WASTE FLOW	480 GAL.
SEPTIC TANK SIZE	1500 GAL.
PUMP TANK SIZE	1000 GAL.
EFFLUENT LOADING RATE	.12 GAL/FT^2/DAY
ABSORPTION AREA	4000 FT^2
TOTAL LENGTH OF LATERALS	800 FT.
LATERAL CONFIGURATION	10 X 80 FT. LINES
SUPPLY LINE LENGTH	40 FT.
SUPPLY LINE DIAMETER	2 IN., SCH 40
MANIFOLD PLACEMENT	CENTER
HOLE SIZE	SEE CHART
NUMBER OF HOLES	124
PRESSURE HEAD	SEE CHART
FLOW PER HOLE	SEE CHART
TOTAL FLOW	41.60 GPM
ELEVATION HEAD	19 FT.
FRICTION HEAD	1.26 FT.
PRESSURE HEAD	3 FT.
TOTAL HEAD	23.26 FT.
PUMP REQUIREMENTS	41.60 GPM, 23.26 FT. OF HEAD

R. C. S., Inc.

Septic Tank Installation & Service

Stafford Street
Post Office Box 708
Monroe, North Carolina 28110
Phones: 704-283-7539 or 376-9359

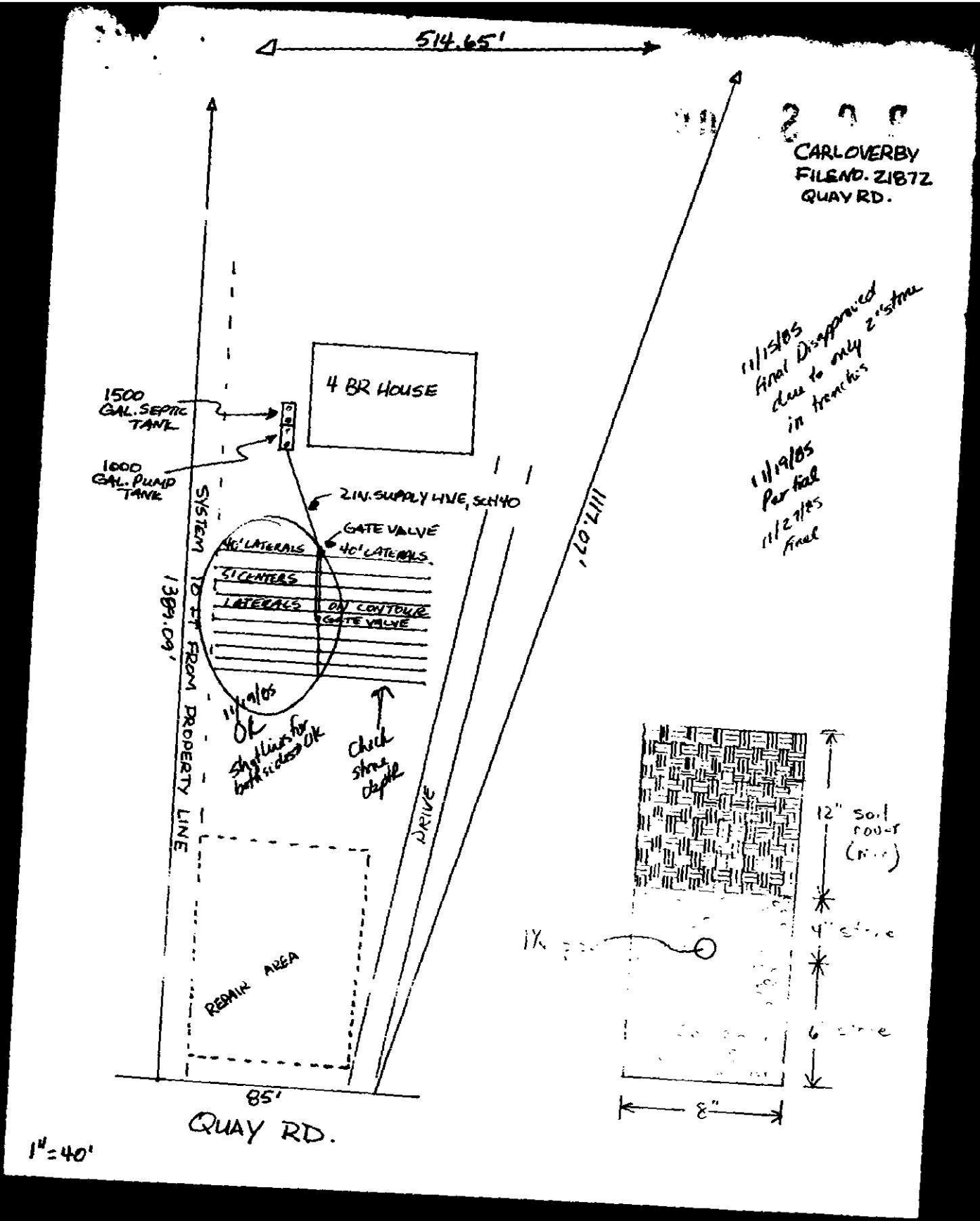
CARL OVERBY

FILE NO. 21872

QUAY RD.

STORAGE VOL. IN LATERALS	72 GAL.
STORAGE VOL. IN SUPPLY LINE	6.48 GAL.
TOTAL STORAGE	78.48 GAL.
DOSING VOL.	9.24 IN.
CHECK VALVE	YES

HOLE SIZE	LINE	PRESSURE HEAD	FLOW/HOLE	# HOLES/LINE	FLOW/LINE	HOLE SPACING	FIRST HOLE
1/8"	1	2'	.26	8|16	4.16	5'	30"
1/8"	2	2'6"	.29	7|14	4.06	5.8'	30"
5/32"	3	3'	.50	4|8	4.00	11.6'	30"
1/8"	4	3'6"	.345	6|12	4.14	7'	30"
1/8"	5	4'	.37	6|12	4.44	7'	30"
1/8"	6	2'	.26	8|16	4.16	5'	30"
1/8"	7	2'6"	.29	7|14	4.06	5.8'	30"
5/32"	8	3'	.50	4|8	4.00	11.6'	30"
1/8"	9	3'6"	.345	6|12	4.14	7'	30"
1/8"	10	4'	.37	6|12	4.44	7'	30"


514.65'
CARLOVERBY
FILE NO. Z1872
QUAY RD.
11/15/05
Final Disapproved
due to only 2' sytem
in trenches
11/19/05
Partial
11/27/05
Final
4 BR HOUSE
1500 GAL. SEPTIC TANK
1000 GAL. PUMP TANK
2 IN. SUPPLY LINE, SCH 40
GATE VALVE
40' LATERALS
40' LATERALS
3' CENTERS
LATERALS
ON CONTOUR
GATE VALVE
SYSTEM 10 FT FROM PROPERTY LINE
1389.09'
1117.07'
DRIVE
11/29/05
OK
Sightline for both directions OK
Check stone depth
REPAIR AREA
85'
QUAY RD.
1"=40'
12" soil cover (min.)
4" stone
6" stone
8"
1%

Serial No. 08630

Date Issued 10/29/85

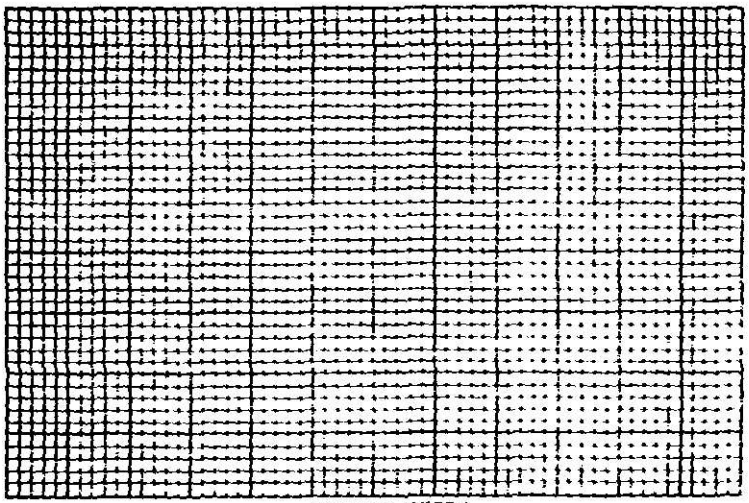
ICAR(S) Permit No. 21872

T. C. No. 029-091-20

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 21872 dated 10/4/85 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 11/29/85, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permeability Rate PS

Liquid Capacity of Tank 1500+1000

Tank Construction RCC

Absorption and/or Nitrification Lines:

Total Line Length 600'

Number of Lines 10

Distance from House 5'

Distance from Property Line 10'

Distance from Well >100'

NAME OF OWNER Overby Karl Joseph

LOCATION OF PROPERTY 10161 Quay 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:

[signature] 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

Date Issued 10-24-85 Serial No. 9020

SIR No. 21872

T. C. No. 029-091-20

Map Date L QT

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 Overbey, Karl Joseph
(LAST, FIRST, MIDDLE)

ADDRESS OF OWNER 7 Willetta Dr., Concord ZIP 28025

LOCATION OF LOT ~~10101~~ 10161 Quay 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 21872. 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"

Cynthia G Rass
Environmentalist

Environmental Health Director, or Authorized Section Head

EHD-S-76

Environmental Health Department's Copy

BOARD ... PRESENTED FOR REGISTRATION

OCT 24 1 27 PM '85

REAL ESTATE BOOK 5111 PAGE 0583

77

FILE NO. 21872

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

ACKNOWLEDGEMENT OF REQUEST BY OWNER FOR RECLASSIFICATION OF SITE FROM "UNSUITABLE" TO "PROVISIONALLY SUITABLE" UNDER 10 NCAC 10A .1948(c)

The undersigned, Karl J. Overbey

owner of property located at 1061 Providence Rd.

("the site") and described in an instrument recorded in Book 4763 at Page 458, Mecklenburg Public Registry,

hereby acknowledges that he applied to the Mecklenburg County Department of Environmental Health ("the Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services at 10 NCAC 10A .1934 et seq; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested pursuant to 10 NCAC 10A .1948(c) that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data and other information which indicate to the Department that the septic tank system proposed by the undersigned can reasonably be expected to function satisfactorily and thus that the findings specified in 10 NCAC 10A .1948(c)(1), (2), and (3) can be made; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is his responsibility and that neither the Department nor its officials, employees or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees and officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatsoever arising out of the installation, operation, or failure of said septic tank system.

The undersigned further agrees for his heirs and assigns that, in the event any septic tank system installed under authority of the aforesaid permit fails to perform adequately in any respect, he will take whatever measures are required to correct same; or if such is impossible he will discontinue use of said system immediately.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in the name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons claiming any right, title, or interest in the site.

This 24th day of October, 1985.

Karl J. Overbey (SEAL)

(SEAL)

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, Marlene Wise, a Notary Public for said County and State, do hereby certify that Karl J. Overbey personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 24th day of October, 1985.

Marlene Wise
Notary Public

My Commission Expires: 3-15-88

Drawn by and Return to Dept. of Environmental Health

APPLICATION FOR AN IMPROVEMENT PERMIT

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 21672

TC: 029-091-20 L

MECK C[illegible]Y DEPARTMENT OF ENVIRONMENTAL HEALTH
RECEIVED

JOB LOCATION

① ADDRESS: 10161 (STREET NO) Gray Rd. (STREET) ② FILE: 21672

③ CITY: Charlotte ④ TAX PARCEL NO.: 029-091-20

⑤ SUBDIVISION: ⑥ LOT: ⑦ BLOCK:

OWNER

⑧ NAME: Karl (FIRST) Joseph (MIDDLE) Overby (LAST)

⑨ MAILING ADDRESS: 7 Willetta Dr.

⑩ CITY: Concord ⑪ STATE: NC ⑫ ZIP: 28025

⑬ PHONE: (WORK) 545-7266 ⑭ (HOME) 786-0551

REQUEST

This request is for a(n):

⑮ ☑ New installation permit

⑯ ☐ Repair or alteration permit

⑰ ☐ Authorization for mobile home exchange

⑱ ☐ Other (specify)

DESIGN CRITERIA

System will serve:

⑲ ☑ Residence ⑳ ☐ Mobile home

㉑ ☐ Business or place of public assembly

㉒ Number of bedrooms? 3

㉕ Type?

㉓ Maximum occupancy? 6

㉖ Maximum number of employees?

㉔ Basement? ☑ yes ☐ no

㉗ Maximum number of seats?

WATER SUPPLY

㉙ Water supply from (present or proposed):

A ☑ Individual well

B ☐ Municipal system

C ☐ Community well

D ☐ Community system

㉚ The undersigned, owner of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: Karl S. Overby

Date: 10/4/85

㉘ Accurately dimensioned plot

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY

MECKLENBURG COUNTY
Department of Environmental Health

FILE NO. 21872

DATE 2-11-85

James F. Lomax
183 Union Street North
Concord, NC 28025

Re: Property located at Off Quay Road, TC# 029-091-20

Dear Sir:

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

North Carolina General Statute 130A-335 and 10 NCAC 10A .1948 (c) provides that:

> Sites originally classified as UNSUITABLE may be used for soil absorption disposal systems, provided engineering, hydrogeologic, and soil studies indicate to the local health department that a suitable septic tank system or a suitable alternate system can reasonably be expected to function satisfactorily. Such sites may be reclassified as PROVISIONALLY SUITABLE upon submission to the local health department and when requested by the local health department to the state agency of the following:
>
> (1) Adequate substantiating data to indicate that a ground absorption system can be installed so that the effluent will receive adequate treatment;
>
> (2) Adequate substantiating data to indicate that the effluent will not contaminate any drinking water supply, ground water used for drinking water, or any surface water;
>
> (3) Adequate substantiating data to indicate that the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

Upon receipt of a request for reclassification as provided for above, the submission of plans and specifications for an applicable sewerage treatment system, and the approval of such system as submitted, the department will issue the appropriate permits.

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

Sincerely,

Bill D. Hardister, Jr.

Bill D. Hardister, Jr.
Environmental Health Supervisor

Enclosure

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21972

T.C. NO. Co 029-091-20

(Ground Absorption Sewage Disposal)

OWNER: James E Lomax
ADDRESS: 163 Glenn Dr. Concord, N.C. 28025

PLAT NO: Split Site 2
LOT SIZE: Approx 5 Acres

LOCATION OF SITE: off Mallard Head

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U — complex slopes	(S) PS U — 8-15%	S PS (U) — 10-20%	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S (PS) U — some 2-1 clay	S (PS) U — some 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 — Blocky	S (PS) U — weak Blocky	S PS U
4. SOIL DEPTH (inches)	S (PS) U — 36"	S (PS) U — 24-36"	S (PS) U — 6-10"	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS (U) — 36"	S PS (U) — 24-36"	S PS (U) — 6-10"	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) U — Eroded Areas Channel Areas	S (PS) U — seep to ground water	S (PS) U — seep to ground water	S PS U
7. OTHER (Specify)	S PS U	S (PS) U — Possible restricted Use see Note	S PS U	S PS U
8. SOIL GROUP	IIA	IIA	IIA	
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
10. SOIL SERIES	complex slopes	Cecil Monacan	Wilkes Urban	

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: Soil suitable for use of conventional system if adequate area is available

Described by: William R Martin
Title: Soil Scientist

Date: 2-11-85

28

MECKLENBURG COUNTY
Department of Environmental Health

March 26, 1985

James F. Lomax
183 Union Street North
Concord, NC 28025

Re: Property located at Off Quay Road, SIR 21872, TC# PO 029-091-20

Dear Sir:

At your request a soils investigation was conducted on the property designated above. Results of this investigation showed the site to be classified as unsuitable under criteria as set forth in Section .1900 of the North Carolina Administrative Code, Title 10, Department of Human Resources, Chapter 10, Division of Health Services; Sanitary Engineering Section, Subchapter 10A, Sanitation.

The soil on this property is not suitable for use with any conventional system, modified or alternative, with which I am aware.

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

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor

Enclosure

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21942

T.C. NO. No C21-091-20

(Ground Absorption Sewage Disposal)

OWNER: James F. Lomax
ADDRESS: 183 Jenkins Dr. Mint Hill
LOCATION OF SITE: Corner of Idlewild & Pence Chipley Loop Road

PLAT NO:
LOT SIZE: .51

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 15 - 25% U	S PS Complex Slopes U	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS 2-1 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 PS U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS Saprolite U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S Some perched water PS U	S Reflects & Kennedy PS U Buncombe	S PS U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	1 B			
9. SITE CLASSIFICATION	Suitable	Unsuitable		
10. SOIL SERIES	Cecil	Tarrus		

S - Suitable PS - Provisionally Suitable U - Unsuitable

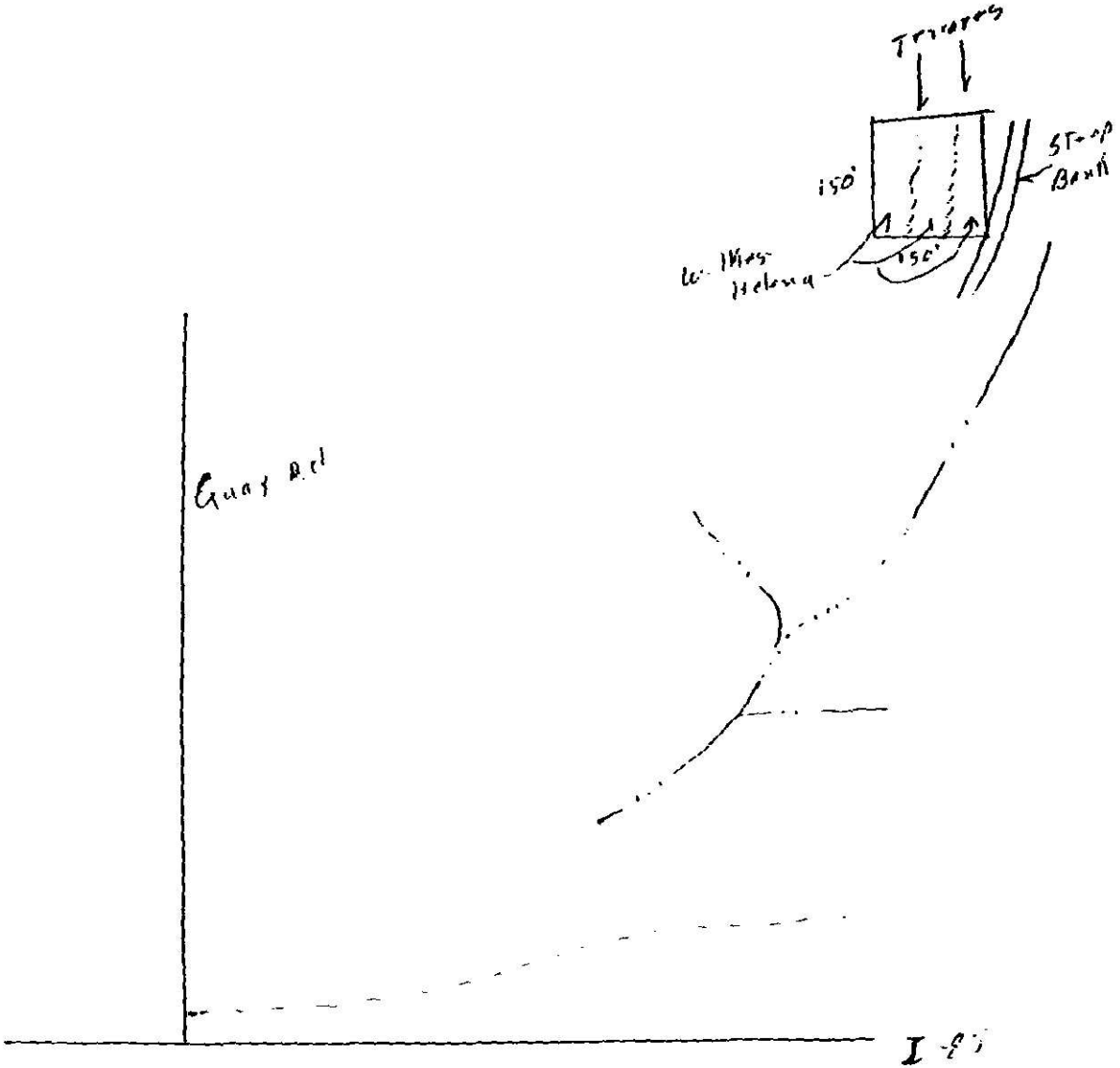
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: [illegible]
Title: Soil Scientist

Date: 3-16-95

3H


Transfers
150'
150'
Steep Bank
Guay Rd

Date Received 2-5-85 wants to close
Hal Overby early week
7 Willetta Dr. 2-9-85
Concord, N.C. 28025
594-1206 W
786-0551 H (Concord)

SIR No. 21872
T. C. No. 031C126
Map Date L

MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

RECEIVED
MECKLENBURG COUNTY DEPARTMENT OF
ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER [illegible] (LAST) [illegible] (FIRST) T. (MIDDLE)

2) ADDRESS OF OWNER [illegible] ZIP [illegible]

3) PHONE NO. Home [illegible] Office [illegible]

4) LOCATION OF PROPERTY [illegible] (STREET OR COUNTY ROAD) [illegible]

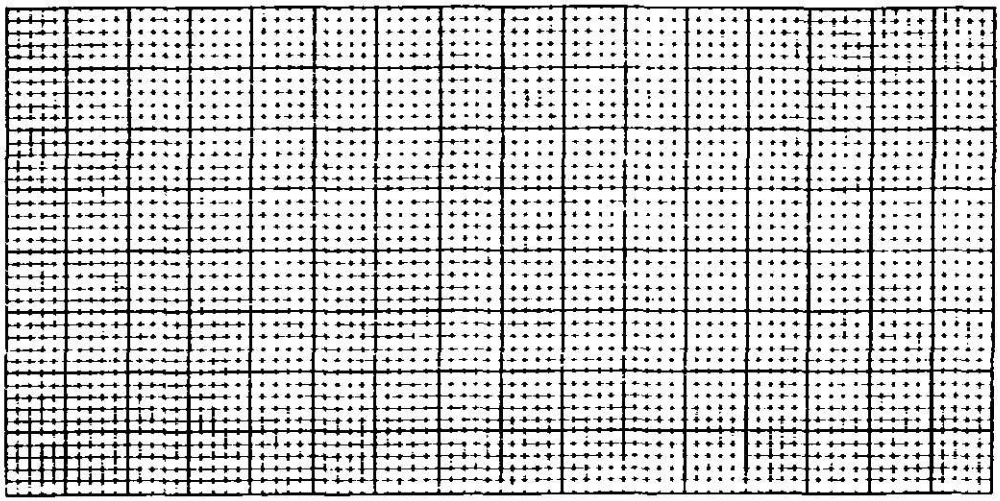
5) SUBDIVISION [illegible] LOT NO. [illegible] BLOCK NO. [illegible]

MAP BOOK NO [illegible] PAGE NO. [illegible]

6) DEED REFERENCE DEED BOOK [illegible] PAGE NO. [illegible]

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

2 house sites marked on accompanying map



7) ACCURATELY DIAGRAM & DIMENSION LOT

[signature] OWNER

EHD-5-76

Environmental Health Department's Copy