Send Copy to:
Wayne Griffin
5024 Begonia Dr
Charlotte, N.C. 28215

Date Received 4-11-84 SIR No. 20888

T. C. No 105-181-54

Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Baucom (LAST) Amon (FIRST) R (MIDDLE)

2) ADDRESS OF OWNER John Russell Rd ZIP 28215

3) PHONE NO Home _____ Office 596-3220

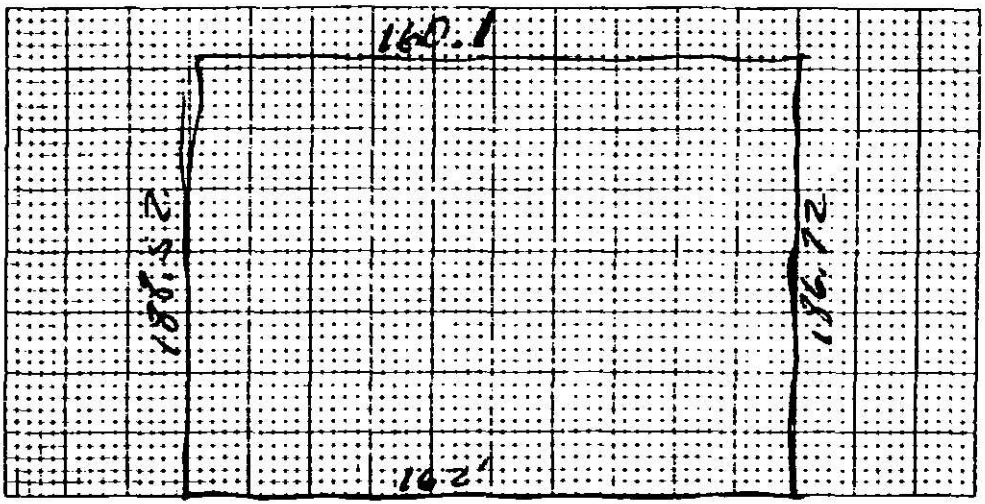
4) LOCATION OF PROPERTY Dianne Dr. (STREET OR COUNTY ROAD)

5) SUBDIVISION Carol Ann Woods LOT NO 54 BLOCK NO 181

MAP BOOK NO 105 PAGE NO 18

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

Agent A. Wayne Griffin
OWNER

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT COPY

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20690

T.C. NO. 105-181-34

(Ground Absorption Sewage Disposal)

OWNER: Arch B. Dawson
ADDRESS: 4060 Russell Rd
Charlotte, N.C. 28216
LOCATION OF SITE: Deaver Ln

PLAT NO:
LOT SIZE: 2.5ac

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U — 2-12%	S (PS) U — 2-10%	S PS (U) — complex slopes	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S (PS) U — 2-1 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 24" PS (U) — 24-30"	S (PS) U — 24" or less	S PS (U) — 24"	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S 24" PS (U)	S (PS) U — 24" or less	S PS (U) — 24"	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) U — 24" to ground water	S (PS) U — 24" to ground water	S Eroded PS Drainage (U) Runoff	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	IIB	IIB	IIB	
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
10. SOIL SERIES	Cecil Clay	Cecil Clay Loam	Complex slopes	

S - Suitable PS - Provisionally Suitable U - Unsuitable

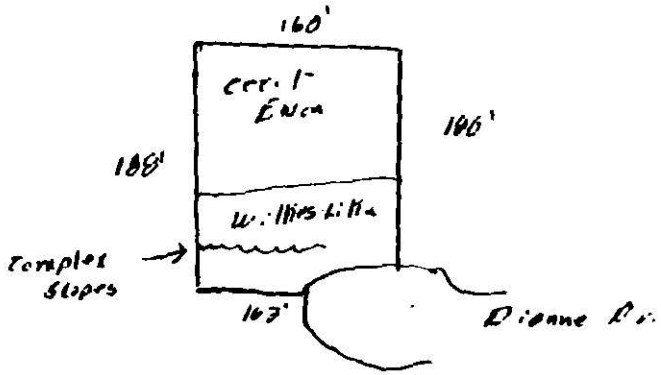
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: LPP

Described by: William R. Martin
Title: Sanitarian

Date: 5-4-84

2d


160'
Cent. Enca
196'
188'
Williston
Complex
Slopes
167'
Dionne Dr.

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

SIR. NO. 20888
T.C. NO. 105-181-54
DATE: 5-7-84

Amon R. Baucom
John Russell Road
Charlotte, NC 28215

RE: Property located at Dianne Drive

Dear Mr. Baucom:

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 Agreemnt 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/kbg

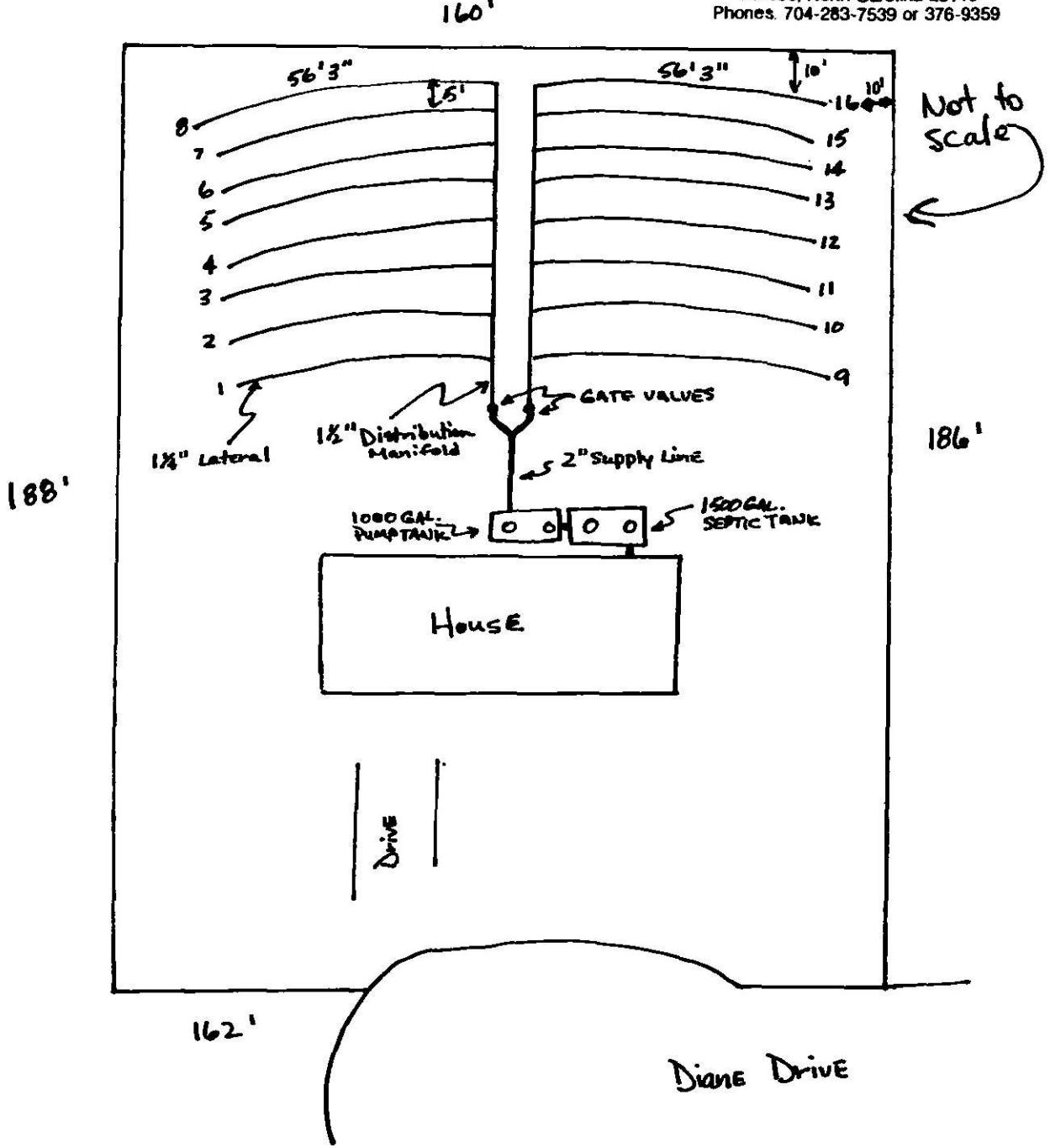
Enclosure

SIR 20888

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



SIR 20688

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

Pump Requirements 26.4 gpm, 16.62 ft. of head
Storage in Laterals 81 Gallons
Storage in Supply Line 4.86 gallons
Total Storage 85.86 Gallons
Dosing Volume 4.86 gal. + 5(81)
= 4.86 + 405
= 409.86 gallons total
Dosing Depth 6 inches
Check Valve Needed? no

Line #	Hole Size	# Holes	Head Pressure	Flow/ Hole (gpm)	Flow/ Line (gpm)	Hole Spacing	First Hole on Lateral
1, 9	3/32	10	3ft.	.18	1.80	60 inches	37½ inches
2, 10	3/32	10	3ft.	.18	1.80	60 inches	37½ inches
3, 11	3/32	9	3ft.	.18	1.62	64 inches	49½ inches
4, 12	3/32	9	3ft.	.18	1.62	64 inches	49½ inches
5, 13	3/32	9	3ft.	.18	1.62	68 inches	31½ inches
6, 14	3/32	9	3ft.	.18	1.62	68 inches	31½ inches
7, 15	3/32	8	3ft.	.18	1.44	70 inches	49½ inches
8, 16	3/32	8	3ft.	.18	1.44	70 inches	49½ inches

SIR 20888

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

Daily Waste Flow	450 Gallons
Septic Tank Size	1500 Gallons
Pump Tank Size	1000 Gallons
Effluent Loading Rate	.1 gpd/ft²
Absorption Area	4500 sq.ft.
Total Length of Laterals	900 ft.
Lateral Diameter	1¼" (sch. 160)
Lateral Configuration	16 x 56'3" lines
Supply Line Length	30 ft.
Supply Line Diameter	2 inches (sch. 40)
Manifold Placement	split
Hole Size	3/32"
Hole Spacing	see chart
Number of Holes	see chart
Pressure Head	3 ft.
Flow per Hole	see chart
Total Flow	26.4 gpm
Elevation Head	13 ft.
Friction Head	.624 ft.
Total Head	16.62 ft.

DISAPPROVED
MECKLENBURG COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
FILE NO. 20888
ICAR PERMIT NO.
DATE 6-20-84
BY

Date Received 6 22 84

RECEIVED

ICAR (S) Application No. 20889

T. C. No. 104-181-54

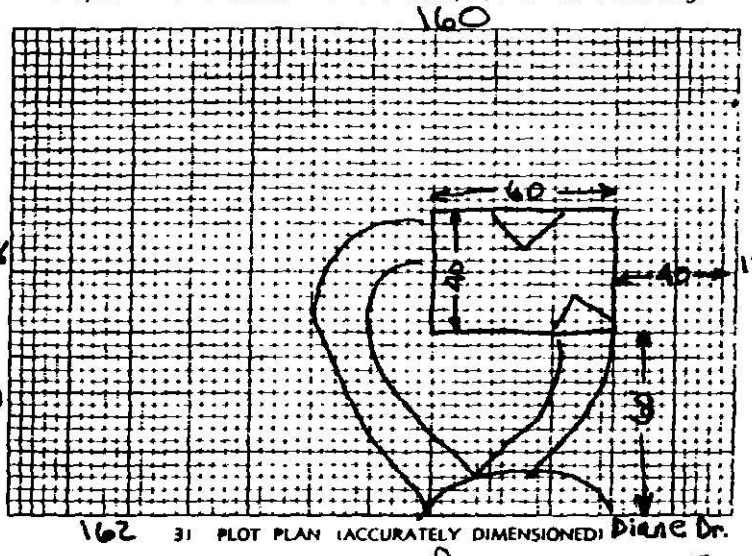
Map Date L

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) X Install or Construct 2) Alter or Repair an individual septic tank wastewater treatment system with a subsurface soil absorption effluent discharge



3) Mobile Home ___ Yes X No
Residence X Yes ___ No
4) No of Bedrooms 3
5) Business Use — Max No Employees ___
6) Washing Machine X Yes ___ No
7) Garbage Disposal ___ Yes X No
8) Dishwasher X Yes ___ No
9) Water Supply
A. Individual Well X
B. Governmental System ___
C. Community System
1 Well source ___
2 Governmental source ___
10) Sewage System
House located within 200 feet of public sewer ___ Yes X No
House located within 200 feet of community sewer ___ Yes X No
11) FHA Case No NA
12) VA Case No NA

13) NAME OF OWNER O'Rourke (LAST) Timothy (FIRST) Robert (MIDDLE)

14) ADDRESS OF OWNER 118 Scalybark Tr.

15) PHONE NO. Home 782-6047 Office 788-5340

16) LOCATION OF SYSTEM 4316 Diane Dr. (STREET OR COUNTY ROAD)

17) SUBDIVISION Cubol Ann Lot No. 54 Block No. ___

Map Book No ___ Page No. ___

18) DEED REFERENCE — DEED BOOK ___ AT PAGE ___

19) HAS A SOIL INVESTIGATION BEEN RUN? X YES ___ NO DATE RUN ___

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.

6/22/84
DATE OF APPLICATION

Timothy R O'Rourke
OWNER

EHD-5-76

Environmental Health Department's Copy

Serial No. 7651

SIR No. 20888

Date Issued 7-3-84

T. C. No. 105-181-54

Map Date L CRT

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 O'Rourke, (LAST) Timothy (FIRST) Robert (MIDDLE)

ADDRESS OF OWNER 113 Scalybark Rd., Charlotte, NC ZIP 28209

LOCATION OF LOT 4316 Diane Drive (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 20388. 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-5-76

Environmental Health Department's Copy

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

REAL ESTATE BOOK PAGE

SEPTIC TANK AGREEMENT 223

The unders[illegible] L. [illegible] 4866 0024, owner of property located at 4316 Dunrob [illegible], ("the site") and described in instrument recorded in Book 4115 at Page 526, Mecklenburg Public Registry, hereby acknowledges that he applied to the Department of Environmental Health for a permit to install a septic tank sewage disposal system on the site; the Department evaluated the site for suitability for such a system in accord with the regulations promulgated by the North Carolina Commission for Health Services as 10 NCAC 10A .1900 et seq; that the Department classified the site as unsuitable and an appropriate permit was issued by the Department.

The undersigned further acknowledges that the proper design, construction, 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 damages, consequential or direct, which are caused, or which may be caused by a malfunction of such system.

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.

And the undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department and its successors, as well as Mecklenburg County, 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.

And 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 or performs inadequately, in any respect, he will take whatever measures are required to correct the; if it 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 24 day of July, 1984

G. L. Bauman (Seal)
(Seal)

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, DEBRA L. WHITE, a Notary Public for said County and State, do hereby certify that G. L. BAUMAN personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 24 day of July, 1984

Debra L. White
Notary Public
My Commission Expires: September 14, 1988

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, _____, a Notary Public for said County and State, do hereby certify that _____ personally came before me this day and acknowledged that he is _____ of _____, and that by authority duly given and as the act and deed of said corporation, the foregoing instrument was signed in its name by its _____, sealed with its corporate seal and attested by _____.

WITNESS my hand and notarial seal, this _____ day of _____, 19__.

Notary Public
My Commission Expires: _____

Examine title and Mail to Buyer or Owner

REAL ESTATE
BOOK PAGE
4866 0025

State of North Carolina, County of Mecklenburg
The foregoing certificate of Debra L. White,

a Notary Public of said County
is certified to be correct. This 2 day July, 1984
Charles E. Crowder, Register of Deeds By Mary E. Rue DEPUTY

FEE	5.00
<>	5.00
CASH	5.00

10:50 #6410 000
07/02/84

MECK COUNTY DEPARTMENT OF
RECEIVED
JUL 13 1984
ENVIRONMENTAL HEALTH

Date Issued 9-12-94

Serial No. 07537

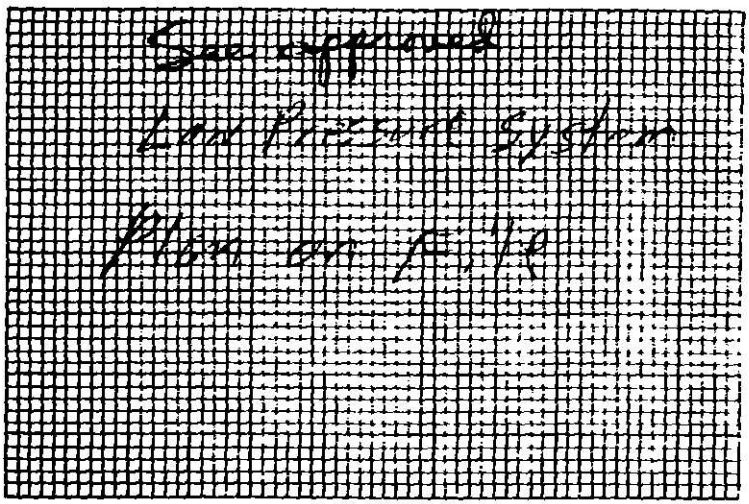
ICAR(S) Permit No. 20888

T. C. No. 105-191-54

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 20888 dated 6-22-94 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 10-12-94, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permeability Rate III

Liquid Capacity of Tank 1500 gal ST 1000 gal Lift

Tank Construction PCC

Absorption and/or Nitrification Lines

Total Line Length 900'

Number of Lines 14

Distance from House 5'

Distance from Property Line 10'

Distance from Well 50'

NAME OF OWNER O'Rourke, Timothy Robert

LOCATION OF PROPERTY 4316 Diane Dr

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.

Low Press. - 5 Sets on Spec Sheet on File

Comments:

B. Hartsfield
Division or Section Head

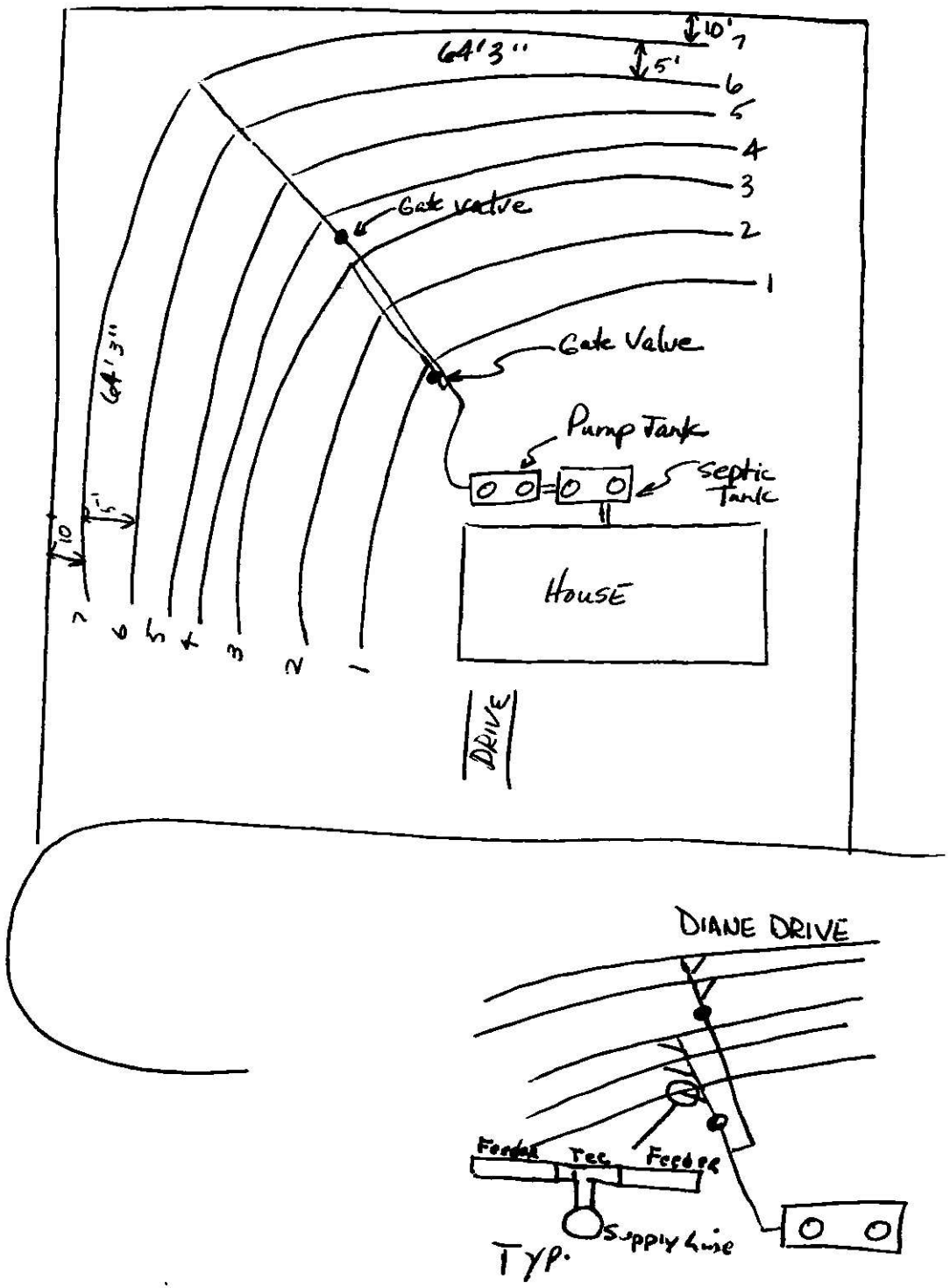
Jim Freeman
Environmentalist

* 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.

BHD-5-76

Environmental Health Department's Copy

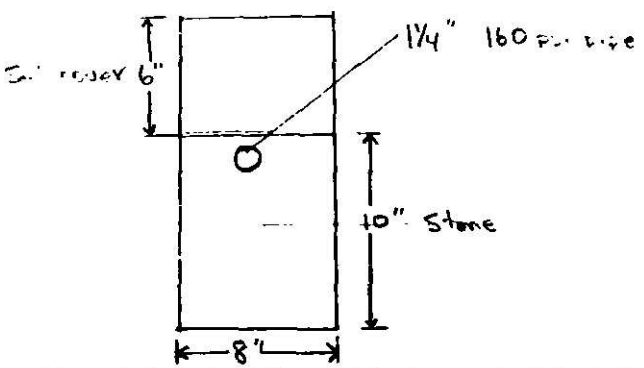
Drawn Not To Scale



Lines	Elevation	Difference	Pressure Head	# Holes	Hole Spacing
Highest 1	4'1"	0	2'	17	7.4'
2	4'8"	7"	2'7"	15	8.4'
Lowest 3	5'2"	6"	3'1"	22	5.6'
Highest 4	5'10"	8"	2'	17	7.4'
5	6'2"	8"	2'8"	14	9.1'
6	6'8"	6"	3'2"	21	5.9'
Lowest 7	7'1"	5"	3'7"	19	6.6'

Lines	Flow Rate/Hole (gpm)	Flow/Line (gpm)	Hole Size
Highest 1	.41	7.0	5/32
2	.46	6.9	5/32
Lowest 3	.32	7.0	1/8
Highest 4	.41	7.0	5/32
5	.49	6.9	5/32
6	.33	6.9	1/8
Lowest 7	.36	6.8	1/8

Typical Trench Construction



Wayne Griffine
Diane Drive

SIR 20888

Daily Waste Flow	450 gallons
Septic Tank Size	1500 gallons
Pumping Tank Size	1000 gallons
Effluent Loading Rate	.10
Absorption Area	4500 ft²
Total Length of Laterals	900 ft.
Lateral Diameter	1¼" (160 psi)
Lateral Configuration	14 lines x 64'3" (5 ft. centers)
Supply Line Length	40 ft.
Supply Line Diameter	2" ~~(160 psi)~~ Sch 40
Manifold Placement	split
Hole Size	see chart
Hole Spacing	see chart
Number of Holes	see chart
Pressure Head	see chart
Flow Per Hole	see chart
Total Flow	see chart
Elevation Head	17 ft.
Friction Head	~~1.08 ft.~~
Pressure Head	~~see chart~~
Total Head	~~22.08 ft.~~ 48.5
Pump Requirements	~~23.03~~ ~~34.8~~ gpm, ~~22.08~~ ft. of head
Storage Volume in Laterals	81 gallons
Storage Volume in Supply Line	6.48 gallons
Total Storage Volume	87.48 gallons
Dosing Depth	350 gal. ~~2.05 ft~~ 14"
Check Valve Needed?	no

C of A Is) No. 20888

Date Issued 7-27-84 **Serial** 6993 T. C. No. 105-181-54 L CRT

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
OPERATION PERMIT

CERTIFICATE OF APPROVAL

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

Name of Owner O'Rourke (LAST) Timothy (FIRST) Robert (MIDDLE)

Location of Property 4514 Diane Dr.

Application Number 20888 Permit Number 20888

Inspection Data:

Liquid Capacity of Tank 1500 gal 1000 gal Tank Material PCC

Total Length of Drain Tile 900' Number of Lines 16

Depth of Filter Material 6" Cover Depth 8'

Water Supply Source well Distance from Water Source 50'

Excavation Inspected 9-7-84 (DATE) Tank Inspected 9-7-84 (DATE)

Nitrification Field Inspected 9-27-84 (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 Low Pressure System

Jim Ervin
Environmentalist

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY