C of A (s) No. 18228

Date Issued 5-2-86 **Serial** 8558 T C No 001-297-39

L CRT

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
CERTIFICATE OF COMPLETION

CERTIFICATE OF APPROVAL

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

Name of Owner SMITH (LAST), PHILLIP (FIRST) (MIDDLE)

Location of Property 21220 RIO ORO DR

Application Number 18228 Permit Number 18228

Inspection Data:

Liquid Capacity of Tank 1500 gal Tank Material PCC

Total Length of Drain Tile 405' Number of Lines 10'

Depth of Filter Material 12" Cover Depth 2-1'

Water Supply Source Comm well Distance from Water Source 100'+

Excavation Inspected 5-2-86 (DATE) Tank Inspected 5-2-86 (DATE)

Nitrification Field Inspected 5-2-86 (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 1986, 1500 ST, CON, 1215 SFB, 12G, CECIL

Kelly Randall
Environmentalist

EHD-5-76

Environmental Health Department's Copy

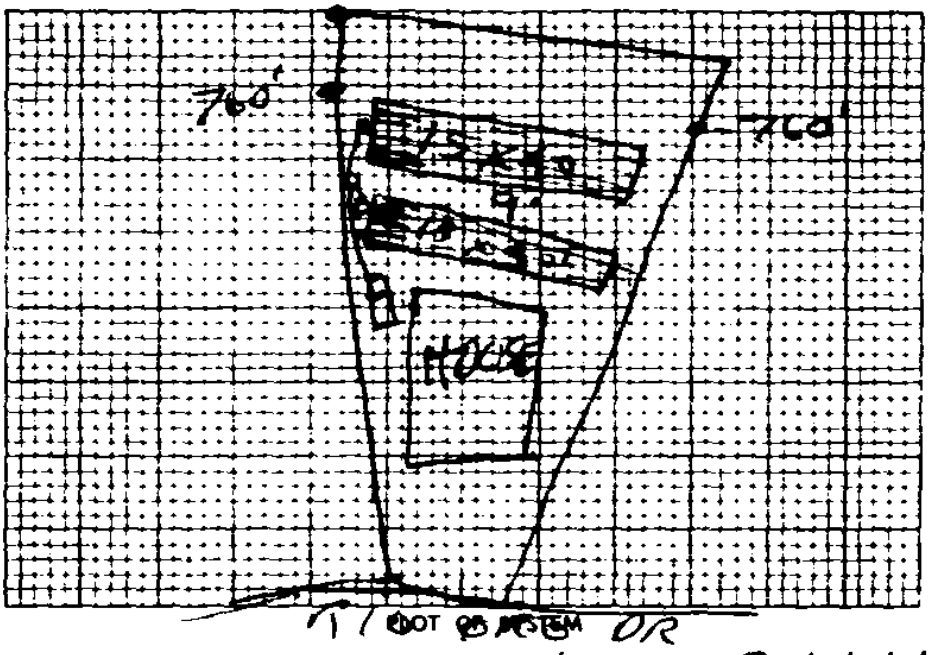
Date Issued 4-29-86 Serial No. 09206 ICAR(S) Permit No. 18228

T. C. No. 001-297-39

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 18229 dated 2-10-86 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 5-29-86, after which date this permit shall be null and void.



Permeability Rate PS IV A

Liquid Capacity of Tank 1500 gal

Tank Construction PCC

Absorption and or Nitrification Lines

Total Line Length 405'

Number of Lines 2 Bed 15' x 40' x 12"

Distance from House 5' +

Distance from Property Line 10' +

Distance from Well common well

NAME OF OWNER SMITH, PHILLIP

LOCATION OF PROPERTY 21220 RIO ORO 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.

2 Bed 15 x 40' x 12"

Comments:

B Hardister
Division or Section Head

Kelly Isbell
Environmentalist

* If this permit is for the installation or construction of a new system, it must be signed by the division or 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

Serial No. 19368

SIR No. 18228

Date Issued 5-28-86

T. C. No. 001-297-39

Map Date 6 C4 1

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 Smith, Philip M.
(LAST / FIRST / MIDDLE)

ADDRESS OF OWNER 19501 Schooner Dr., Davidson ZIP 28036

LOCATION OF LOT 21220 Rio Oro Dr.
(STREET OR COUNTY ROAD)

SUBDIVISION Bahia Bay LOT NO. 17 BLOCK NO. 2

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 18228. This approval is subject to the following terms and conditions:

* * * USE EXISTING SYSTEM * * *

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.

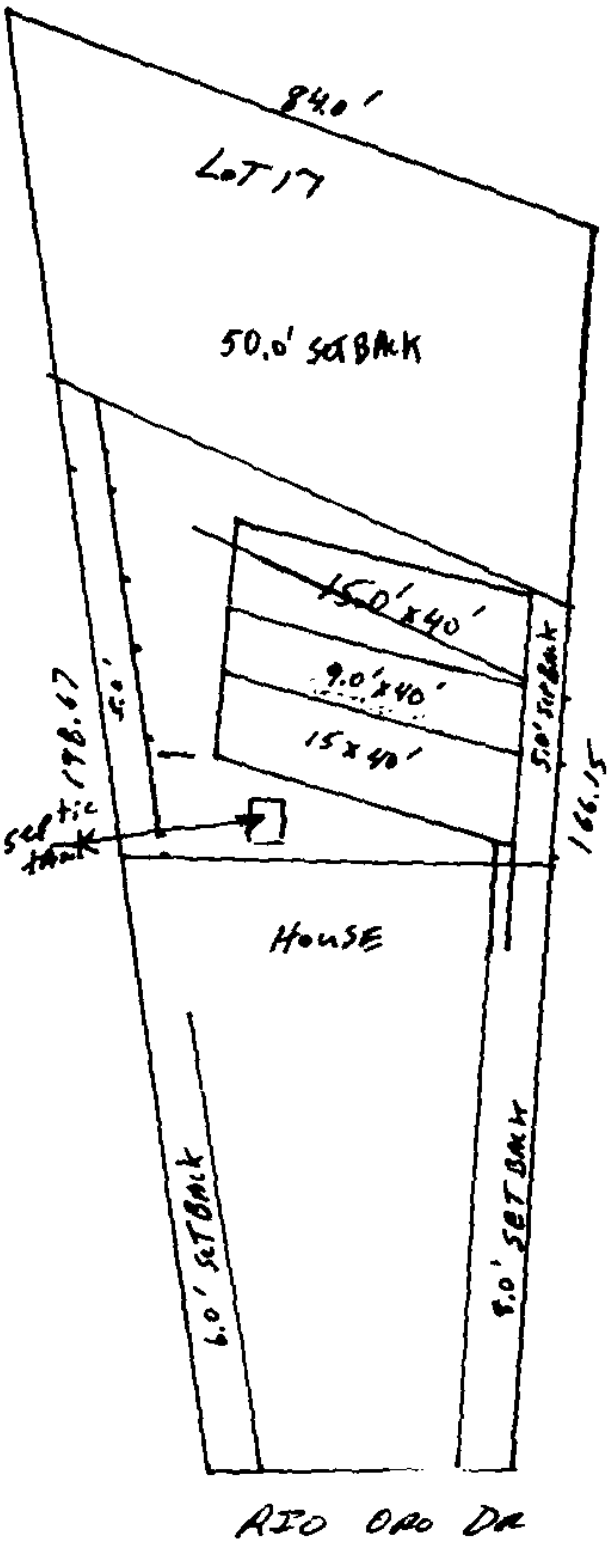
Kelly Randolph
Environmentalist

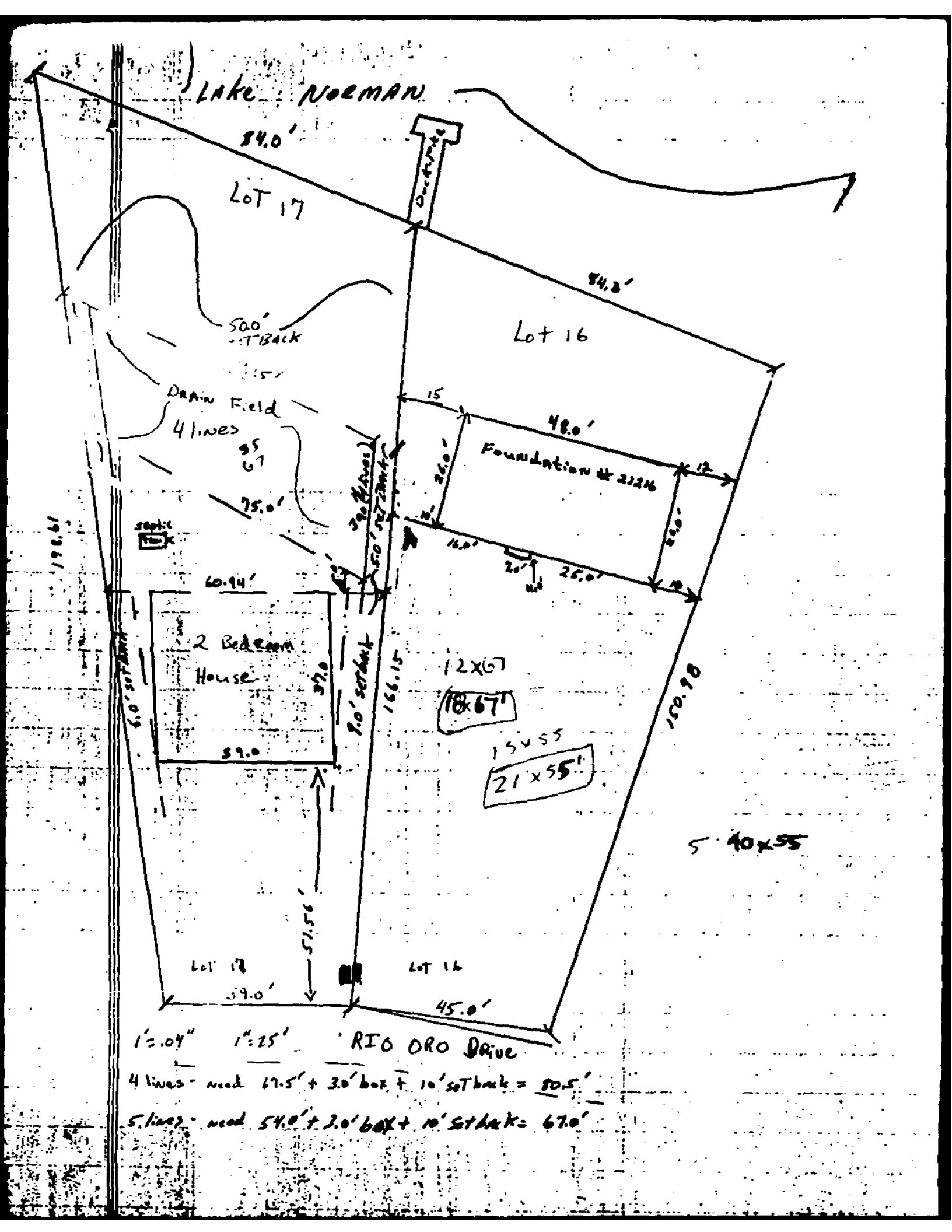
Bill D. Anderson
Environmental Health Director, or Authorized Section Head

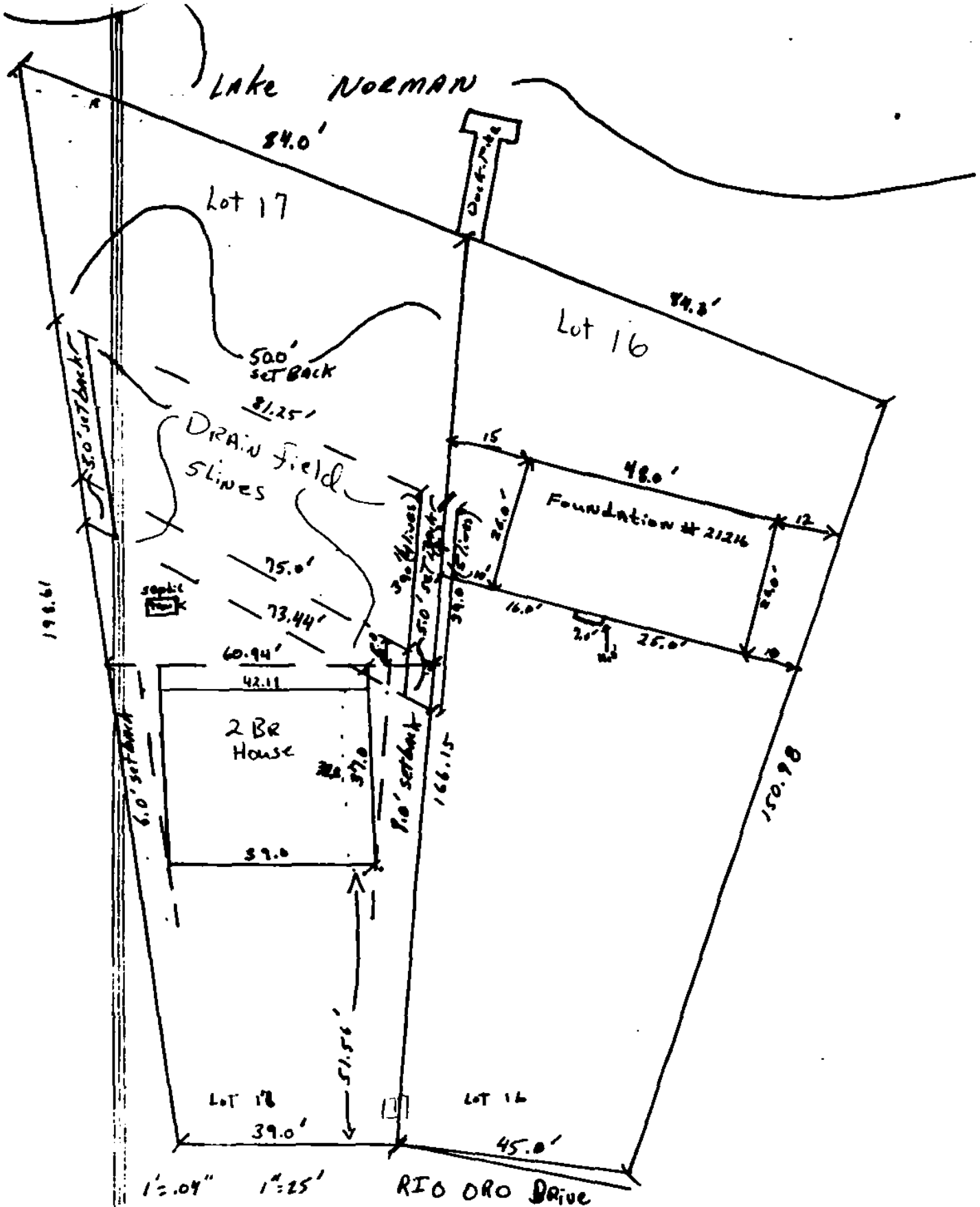
EHD-S-76

Environmental Health Department's Copy

Plot Showing 2- 15x40 Beds




LAKE NORMAN
84.0'
LOT 17
Dock
84.8'
LOT 16
50.0' SETBACK
DRAIN FIELD
4 LINES
95
67
75.0'
SEPTIC
196.61
60.94'
2 BEDROOM HOUSE
37.0
39.0
6.0' SETBACK
10.0' SETBACK
166.15
15
48.0'
FOUNDATION # 2124
26.0'
12
16.0'
2.0'
25.0'
12x67'
18x67'
15x55
21x55'
150.98
5 40x55
51.56'
LOT 17
59.0'
LOT 16
45.0'
1"=.04" 1"=25'
RIO ORO DRIVE
4 lines - need 67.5' + 3.0' box + 10' setback = 80.5'
5 lines - need 54.0' + 3.0' box + 10' setback = 67.0'


Lake Norman
84.0'
Lot 17
Lot 16
84.3'
50.0' set back
81.25'
Drain field
5 lines
5.0' set back
196.61
75.0'
73.44'
septic
60.94'
42.11
2 BR House
37.0
39.0
6.0' setback
8.0' setback
166.15
150.98
51.56'
39.0'
45.0'
Lot 18
Lot 16
15
48.0'
Foundation # 2124
12
25.0'
16.0'
2.0'
10'
39.0 (4 lines)
5.0' set back
Rio Oro Drive
1'=.04"
1"=25'
4 lines - need 69.5' + 3.0' box + 10' setback = 80.5'
5 lines - need 54.0' + 3.0' box + 10' setback = 67.0'

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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

SIR#: 18228

(OFFICE USE ONLY)

FILE: 18228

TC: L

RECEIVED
FEB 19 1986
ENVIRONMENTAL HEALTH

JOB LOCATION

① ADDRESS: ~~[illegible] [illegible]~~ 21220 RIO ORO DR (STREET NO / STREET) ② FILE: 18226

③ CITY: Davidson (Cornelius) ④ TAX PARCEL NO.: 001297-39

⑤ SUBDIVISION: BAHIA BAY ⑥ LOT: 17 ⑦ BLOCK: See 2

OWNER

⑧ NAME: Philip M. "Scott" Smith (FIRST / MIDDLE / LAST)

⑨ MAILING ADDRESS: 19501 Schooner Drive

⑩ CITY: Davidson ⑪ STATE: NC ⑫ ZIP: 28036

⑬ PHONE: (WORK) 394361 ⑭ (HOME) 8928181

REQUEST

This request is for a(n):

⑮ [X] New installation permit

⑯ [ ] Repair or alteration permit

⑰ [ ] Authorization for mobile home exchange

⑱ [ ] Other (specify) _____

DESIGN CRITERIA

System will serve:

⑲ [X] Residence ⑳ [ ] Mobile home

㉑ [ ] Business or place of public assembly

㉒ Number of bedrooms? 2

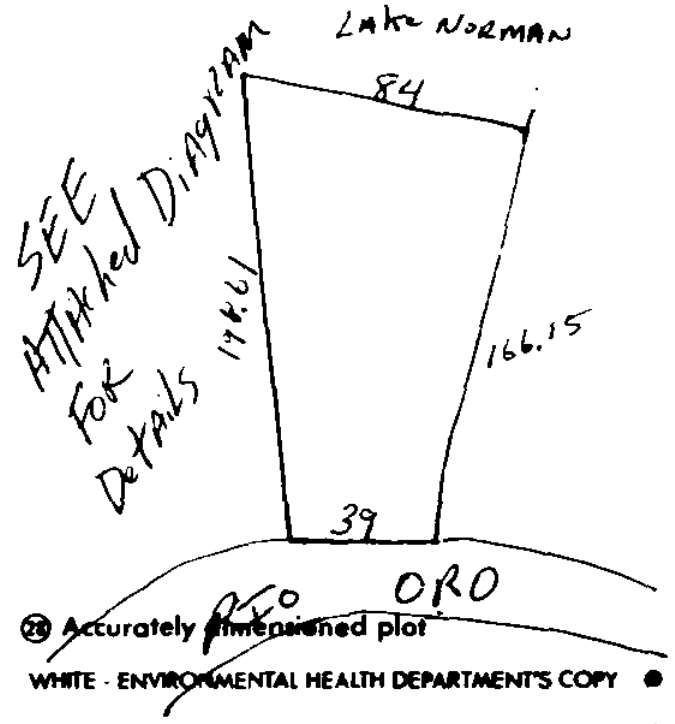
㉕ Type? _____

㉓ Maximum occupancy? 4

㉖ Maximum number of employees? _____

㉔ Basement? [ ] yes [X] no

㉗ Maximum number of seats? _____



㉘ Accurately dimensioned plot

WATER SUPPLY

㉙ Water supply from (present) or proposed):

A [ ] Individual well

B [ ] Municipal system

C [ ] Community well

D [X] 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: Philip M Scott Smith

Date: 2-10-86

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

Serial No. 5380

LA No 18228

Date Issued 11-18-81

T C No 001-297-39

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 Knight, (LAST) William (FIRST) Shaw (MIDDLE)

ADDRESS OF OWNER 3001 Kanimbla Dr., Charlotte, NC ZIP 28214

LOCATION OF LOT Rio Oro, Lake Norman (STREET OR COUNTY ROAD)

SUBDIVISION Bahia Bay LOT NO 17 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 18228 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, altred, 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

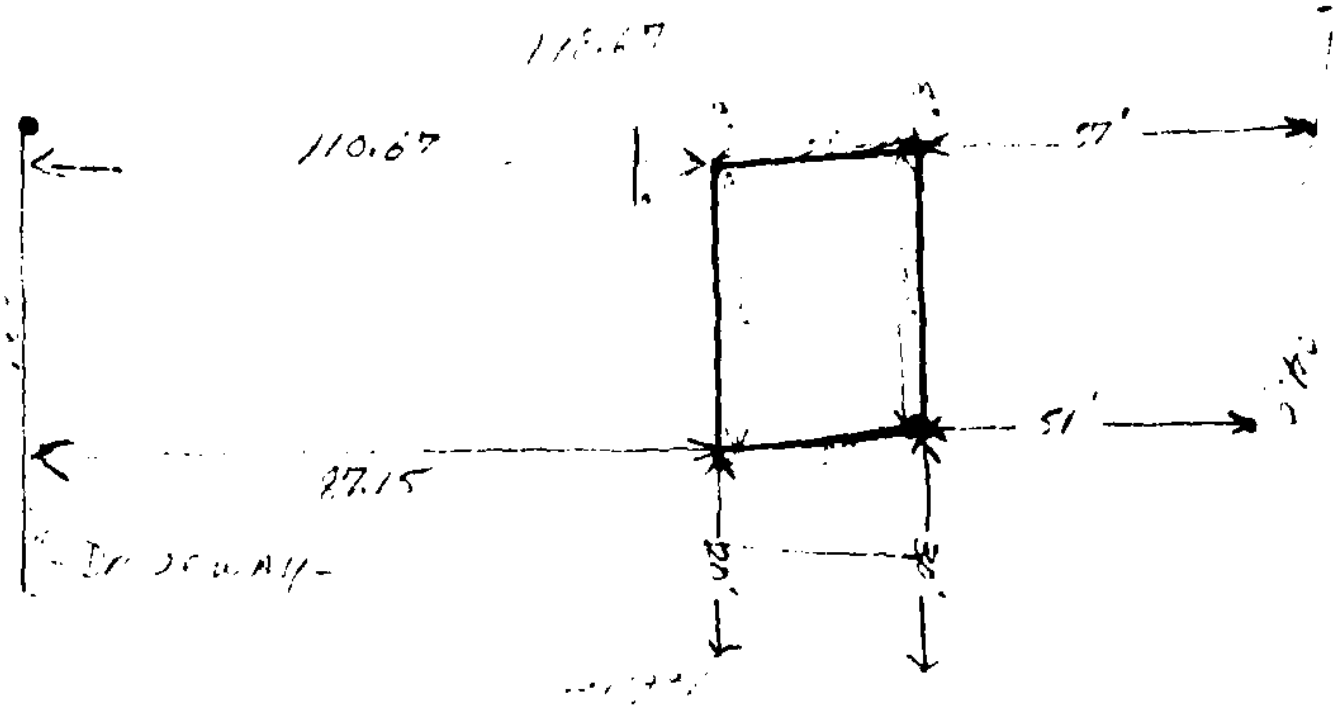
LIFT STATION WILL BE REQUIRED

Adam Wijfuld
Environmentalist

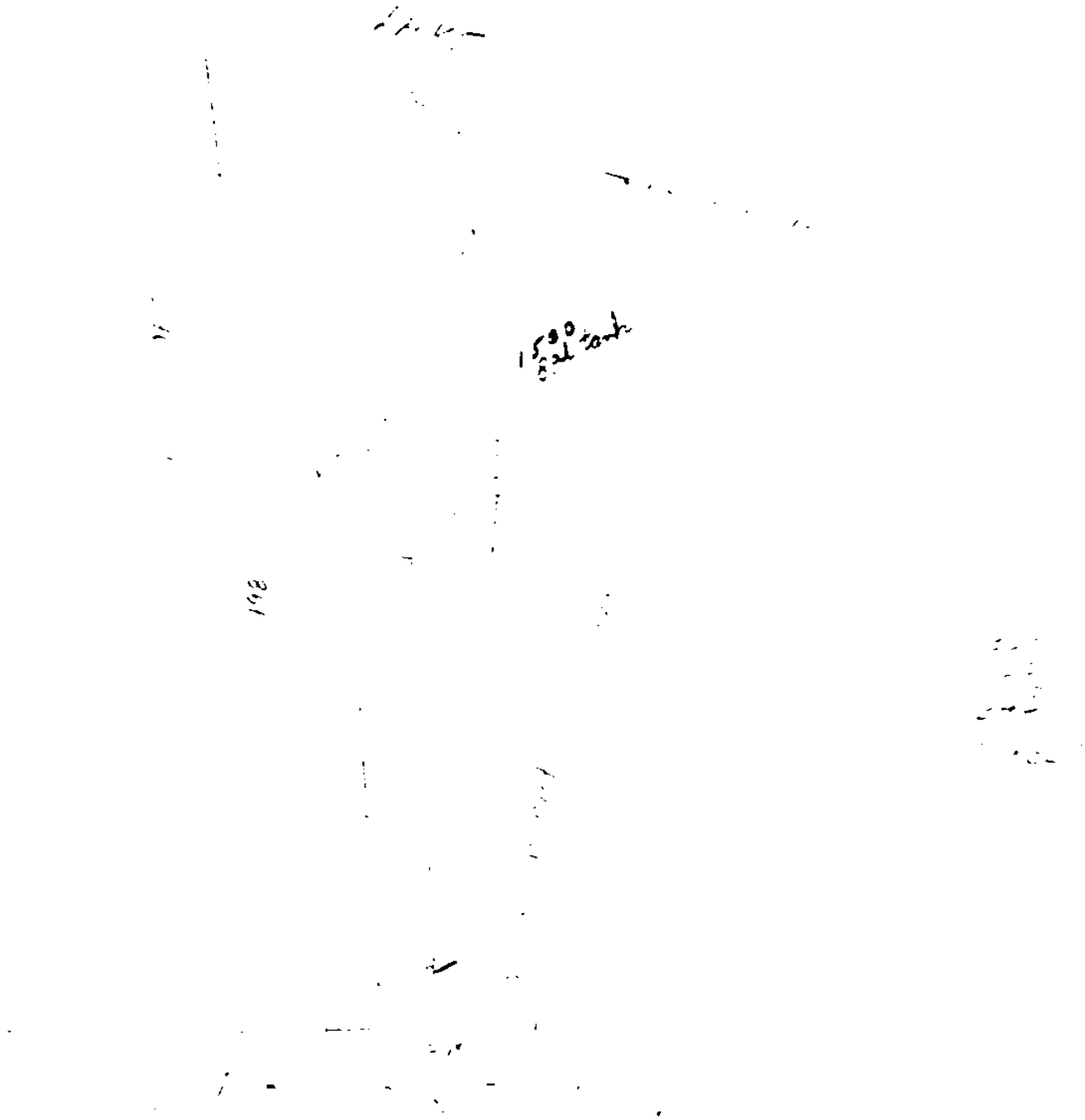
John R Adkisson
Environmental Health Director or Authorized Section Head

EHD-5-76

Environmental Health Department's Copy


110.67
110.67
27'
51'
27.15

18228



SEE INSTRUCTIONS ON BACK

11-17-81

ICAR(S) Application No. 18228

T. C. No. 00492-39

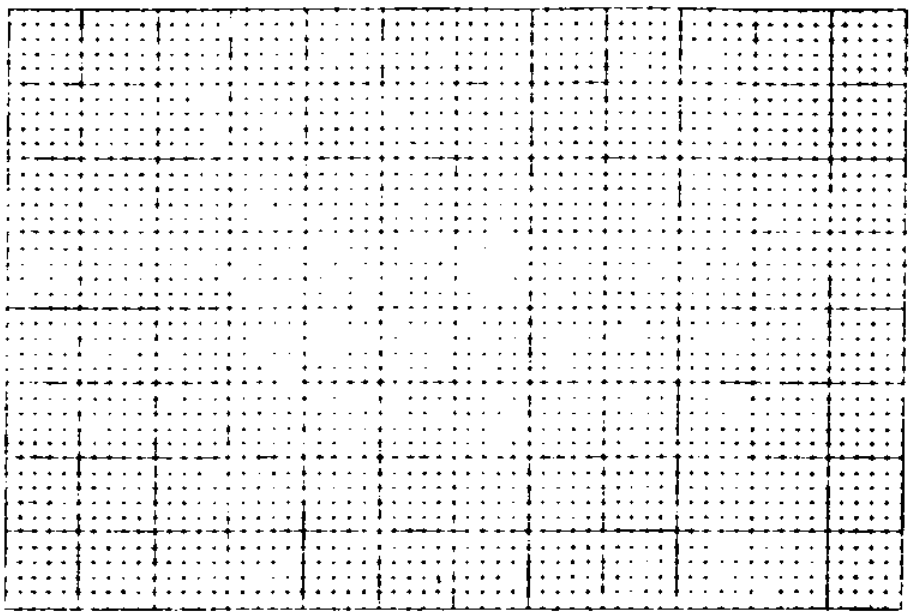
Map Date 2

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 2
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 Knight (LAST) William (FIRST) Shaw (MIDDLE)

14) ADDRESS OF OWNER 3001 Kanimbla Dr. Charlotte, NC 28214

15) PHONE NO Home 392-3771 Office 875-6473

16) LOCATION OF SYSTEM Rio Oro Lake Norman (STREET OR COUNTY ROAD)

17) SUBDIVISION [redacted] Bahia Bay Lot No 17 Block No. ___

Map Book No ___ Page No. ___

18) DEED REFERENCE — DEED BOOK ___ AT PAGE ___

19) HAS A SOIL INVESTIGATION BEEN RUN? ✓ YES NO DATE RUN 9-25-81

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.

11-17-81
DATE OF APPLICATION

Wm. W. Knight
OWNER

EHD-5-76 ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

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

SITE INVESTIGATION REPORT
INDIVIDUAL SEPTIC TANK SYSTEM
WITH SUBSURFACE,
SOIL ABSORPTION,
EFFLUENT DISCHARGE

S.I.R. # 18228

T. C. # 001-097-39

DATE: 9-25-81

NAME OF OWNER Fogleman, Rugh

ADDRESS OF OWNER 3627 Almeria St., San Pedro, CA 90731

LOCATION OF LOT Rio Oro, Lake Norman, Lot 17

As determined under the Rules and Regulations promulgated by the Commission for Health Services, Division of Health Services, North Carolina Department of Human Resources, Raleigh, North Carolina, the soils on the lot described above were found to be unsuitable for the installation of an individual septic tank - soil absorption system, due to the following reason:

Limited area of provisionally suitable soils. Please submit plot plans of proposed residence, septic tank system, and well location.

John R. Adkisson
Environmentalist
On Premises Waste Disposal Section

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

APPENDIX H
SITE EVALUATION

S.I.R. No. 11228
T.C. No. 111-291-39

(Ground Absorption Sewage Disposal)

OWNER: Ruth Fogleman
ADDRESS: 3627 Glenaire St.
COUNTY: San Pedro, Calif.
LOCATION OF SITE: Rio Vista

DATE REQUESTED:
PLAT NO: Lot #17
LOT SIZE: 11,112

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	(S) PS U 2-8%	S PS U	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2:1 Clay)	S (PS) 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) PS 48" U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (inches) (Impervious strata, Rock)	(S) PS None U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	(S) PS 6-16 to ground water U	S PS U	S PS U	S PS U
7. SOIL PERMEABILITY (percolation rate)	S (PS) Moderate U	S PS U	S PS U	S PS U
8. OTHER (specify)	S/L 15,000 PS (U)	S PS U	S PS U	S PS U

9. SITE CLASSIFICATION: unsuitable

10. SOIL SERIES: Ceril

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)

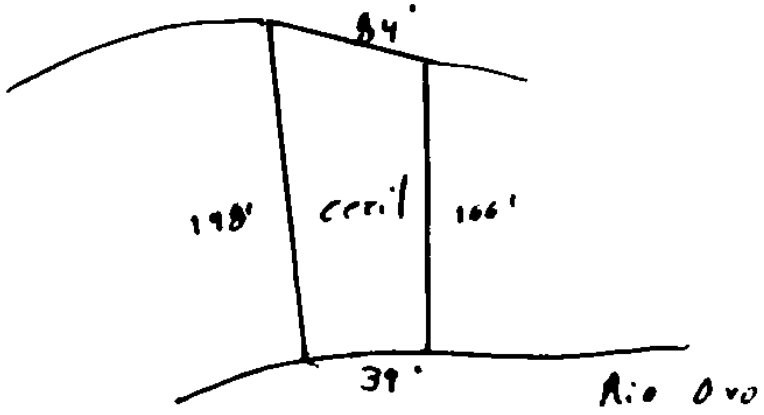
Recommendations/Comments:

Described By: William B. Martin
Title: Soil Scientist
Date: 9-24-81

DHS Form 2601
Sanitation
EHD 539 (2/80)

2

LAKE NORMAN



Date Received 31 Aug 1981

MECKLENBURG COUNTY RECEIVED AUG 31 1981 ENVIRONMENTAL HEALTH

APT No. 1328

T. C No. 001-297-31

Map Date _____

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Fogleman Ruth (LAST, FIRST, MIDDLE)

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

3) PHONE NO Home _____ Office _____

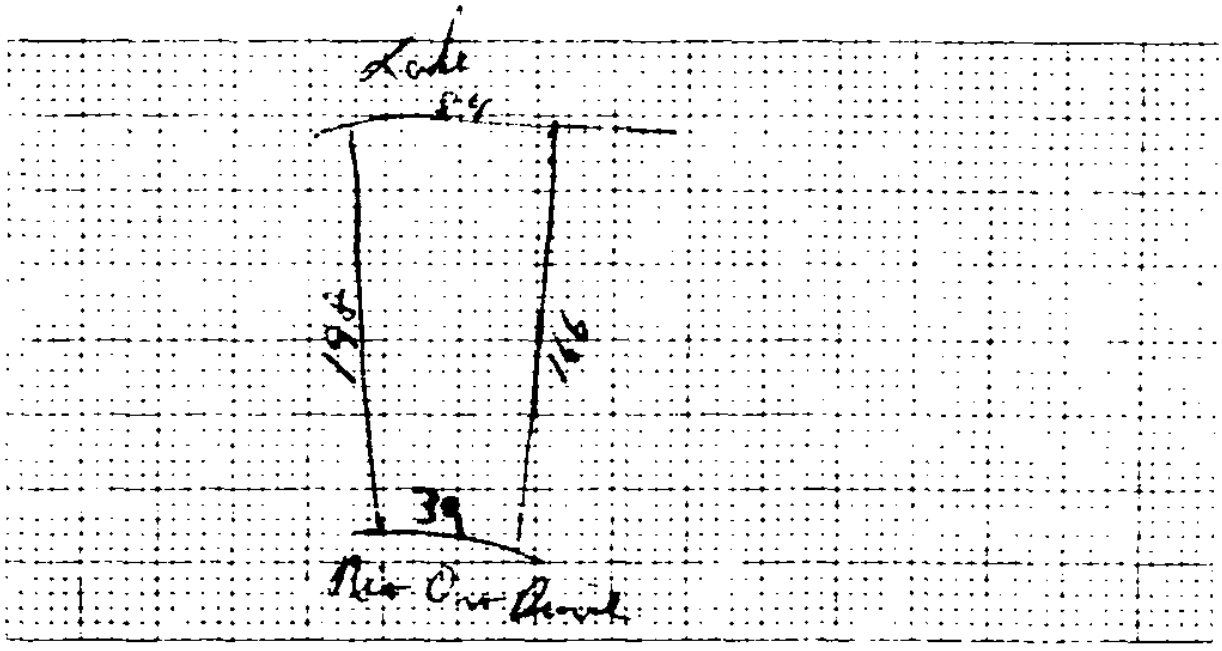
4) LOCATION OF PROPERTY Lake Forest Dr (STREET OR COUNTY ROAD)

5) SUBDIVISION Lake Forest LOT NO 17 BLOCK NO _____

MAP BOOK NO _____ PAGE NO _____

6) DEED REFERENCE DEED BOOK _____ PAGE NO _____

Applicat[illegible] hereby made to the Mecklenburg County Department of Environmental Health for the co[illegible]duct of soil investigations on the lot hereinabove described for the purpose of determining the [illegible] for the installation of an individual septic tank wastewater treatment system with subsurface soil absorption effluent discharge.



7) ACCURATELY DIAGRAM & DIMENSION LOT

Ruth Fogleman
OWNER By Agent Veronica Dingus

EHD-5-76

Environmental Health Department's Copy