Date Received 10/18/83

MECK[illegible]Y DEPARTMENT OF
RE[illegible]
OCT 18 1983
ENVIRONMENTAL HEALTH

SIR No. 20148
TRO No. 108-012-05
Map Date

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Watts (LAST) Mary (FIRST) Ann (MIDDLE)

2) ADDRESS OF OWNER 7401 Robinson Church Rd ZIP 28215

3) PHONE NO. Home 537-5490 Office 374-3485

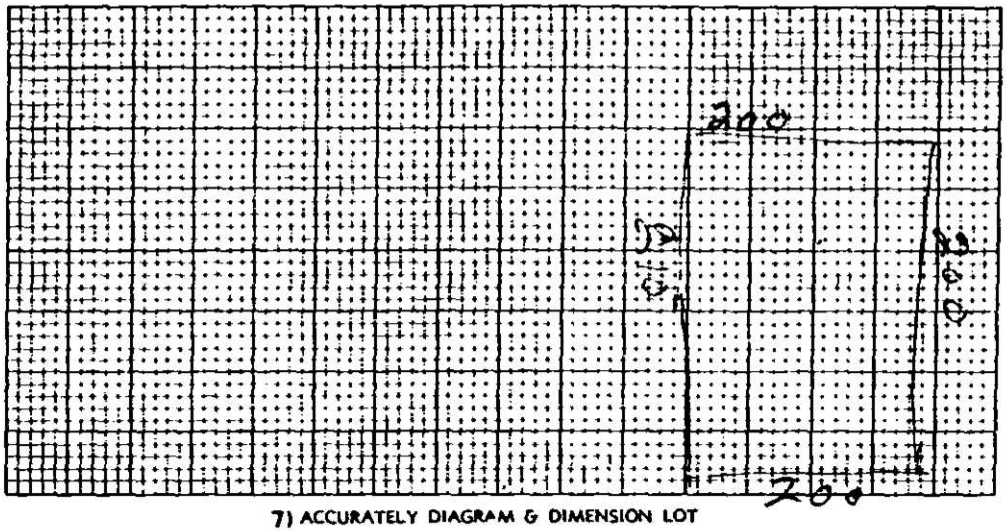
4) LOCATION OF PROPERTY Corner of Robinson Church Rd & Ludell (STREET ON COUNTY ROAD) 7411

5) SUBDIVISION Crab Orchard LOT NO. 5 BLOCK NO. 28221

MAP BOOK NO 108-[redacted] PAGE NO. 1 Deed - 4072 - 515

6) DEED REFERENCE: DEED BOOK 2951 & 2936 PAGE NO. 107-301

Application is hereby made to the Mecklenburg County Department of Environmental Health for the conduct of a soil investigation and on 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

Mary Ann Watts
OWNER
10/17/83

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20148

T.C. NO. P.O 108-012-05

(Ground Absorption Sewage Disposal)

OWNER: Troy Watts
ADDRESS: 7401 Robinson Church Rd

PLAT NO:
LOT SIZE: 40,000

LOCATION OF SITE: Corner of Robinson Church Rd & Sudell

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) 2-10 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 (U) mixed Fill	S PS U	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS (U) Weak Blocky	S PS U	S PS U	S PS U
4. SOIL DEPTH (inches)	S PS (U) 0-40	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) Adequate 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	IVaaL			
9. SITE CLASSIFICATION	Unsuitable			
10. SOIL SERIES	Filled & Eroded To Saprolite - MN40001 Helena Area			

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)

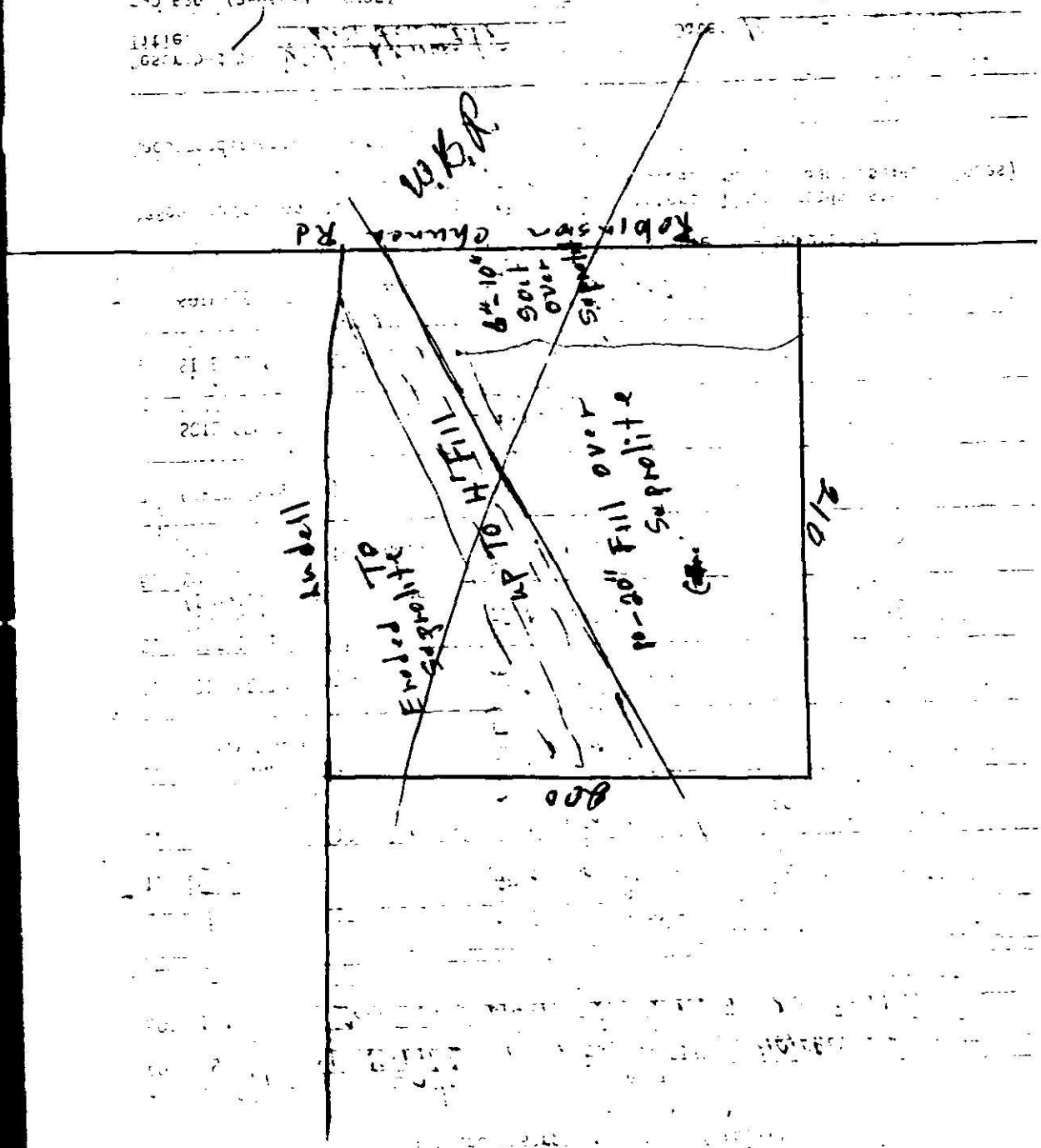
Recommendations/Comments:

Described by: W. B. Lemaster
Title: Soil Scientist

Date: 10-27-83

EHD 539 (Revised: 6/82)

2H


Robinson Channel Rd
6"-10" Soil over Shale
10-20' Fill over Saprolite
Existing Top of Hill
Top of Hill
200'
210'

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

SIR. NO. 20148
T.C. NO. PO 108-012-05
DATE: 10-28-83

Troy Ann Watts
7401 Robinson Church Road
Charlotte, Nc 28215

RE: Property located at Robinson Church Rd. & Ludell Rd.

Dear Ms. Watts:

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.

Bill D. Hardister, Jr.
Environmental Health Supervisor

BDH/kbg

Enclosure

UP 2W

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20148

T.C. NO. P.O 103-012-06

(Ground Absorption Sewage Disposal)

OWNER: Troy Watts
ADDRESS: 7481 Robinson Church Rd

PLAT NO:
LOT SIZE: 40,000

LOCATION OF SITE: Corner of Robinson Church & Lindell

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-15	S (PS) U 2-15	S (PS) U 2-15	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S (PS) U Silty Clay Loam	S PS U Stump Burial	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S (PS) U Blocky	S PS U	S PS U	S PS U
4. SOIL DEPTH (inches)	S PS (U) 24-30"	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S (PS) U None	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) U Adequate	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	IIIa	Not Identifiable	NO SOIL	
9. SITE CLASSIFICATION	Unsuitable	Unsuitable	Unsuitable	
10. SOIL SERIES	Identity Has Been Lost Due To Fill & moving soil. Unusual Rock Material	(Will Be Identical In Properties To Cecil)	Not Identifiable	Saprolite

S - Suitable PS - Provisionally Suitable U - Unsuitable

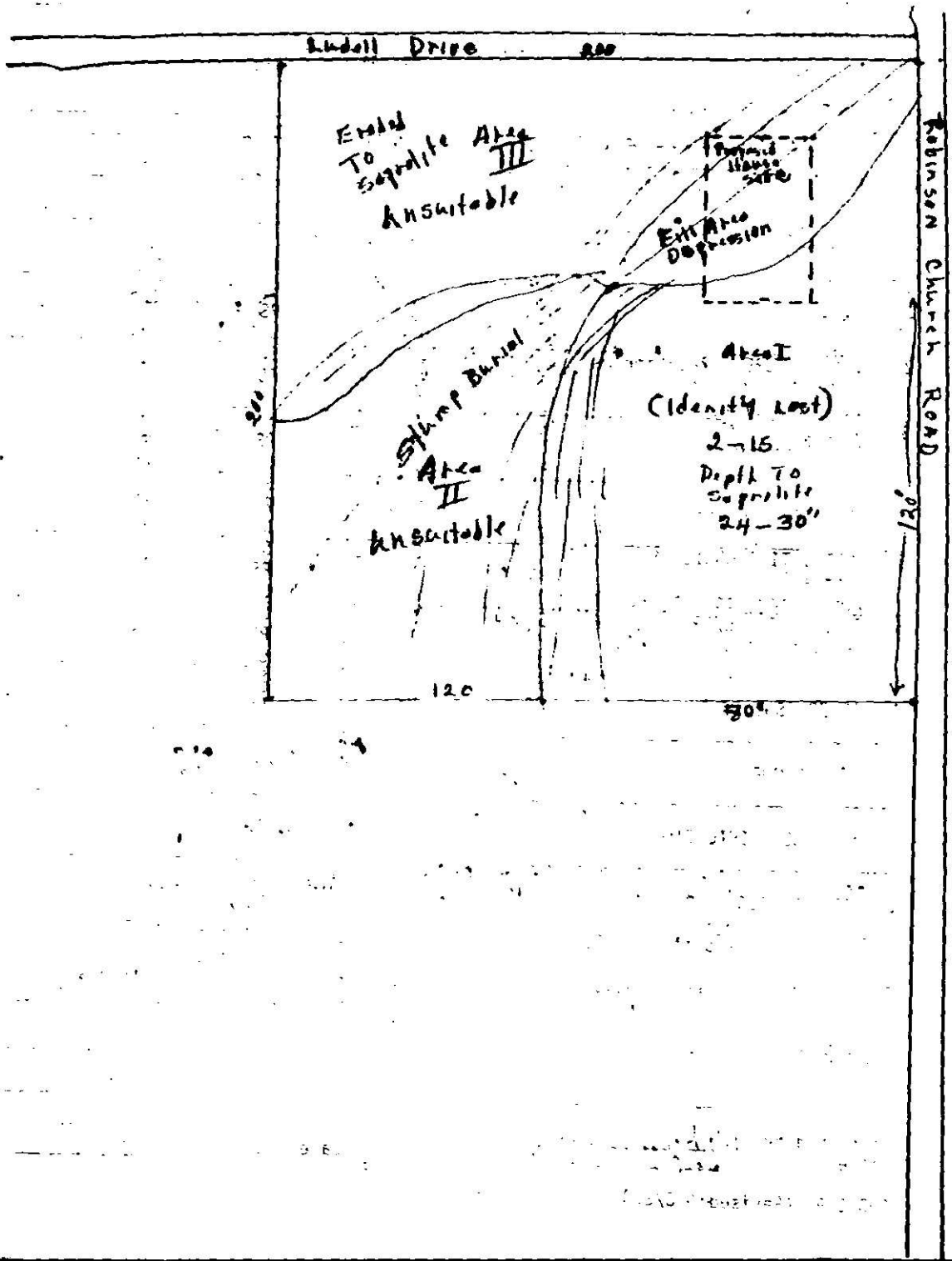
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: W. B. Ramsey
Title: Soil Scientist

Date: 12-16-83

EHD 539 (Revised: 6/82)


Rudell Drive
800
Robinson Church Road
Extend To Saprolite Area III
Unsuitable
Proposed Waste Site
Exit Area Depression
Area I
(Identity Lost)
2-15
Depth To Saprolite 24-30"
Shingle Burial
Area II
Unsuitable
210
120
120'
300'

		Start	Finish
1	-	4.8	4.9
2	-	5.3	5.5
3	-	5.9	6.3
4	-	6.7	6.8
5	-	7.3	7.2
6	-	7.8	7.7
7	-	8.5	7.8
8	-	9.4	7.9
9	-	9.9	8.2

LEONARD RAY & BEVERLY ANN WATTS
7417 ROBINSON CH. RD.
CHARLOTTE, N.C. 28215

SIR # 20148
TCPD 108-012-05

DAILY WASTE FLOW	450 GPD
SEPTIC TANK SIZE	1500 GALLON
PUMPING TANK SIZE	1000 GALLON
EFFLUENT LOADING RATE	.15 GPD/FT²
ABSORPTION AREA	3000 FT²
TOTAL LENGTH OF LATERALS	600 FT
LATERAL DIAMETER	1¼" 160 PR PVC PIPE
LATERAL CONFIGURATION	9- 66'8" LINES
SUPPLY LINE LENGTH	20' 2" SCH 40 PVC PIPE
MANIFOLD PLACEMENT	SIDE
ELEVATION HEAD	3'
FRICTION HEAD	1'
PRESSURE HEAD	~~3'~~ 4'
TOTAL HEAD	~~7'~~ 8'
PUMP REQUIREMENTS	43½ GPM AT 8' TOTAL DYNAMIC HEAD
STORAGE VOL IN LATERALS	54 GALLONS
STORAGE VOL. IN SUPPLY LINE	3 GALLONS
TOTAL STORAGE VOL	57 GALLONS
DOSING DEPTH	8 INCHES
DOSING VOLUME	273 GALLONS

NO CHECK VALVE NECESSARY

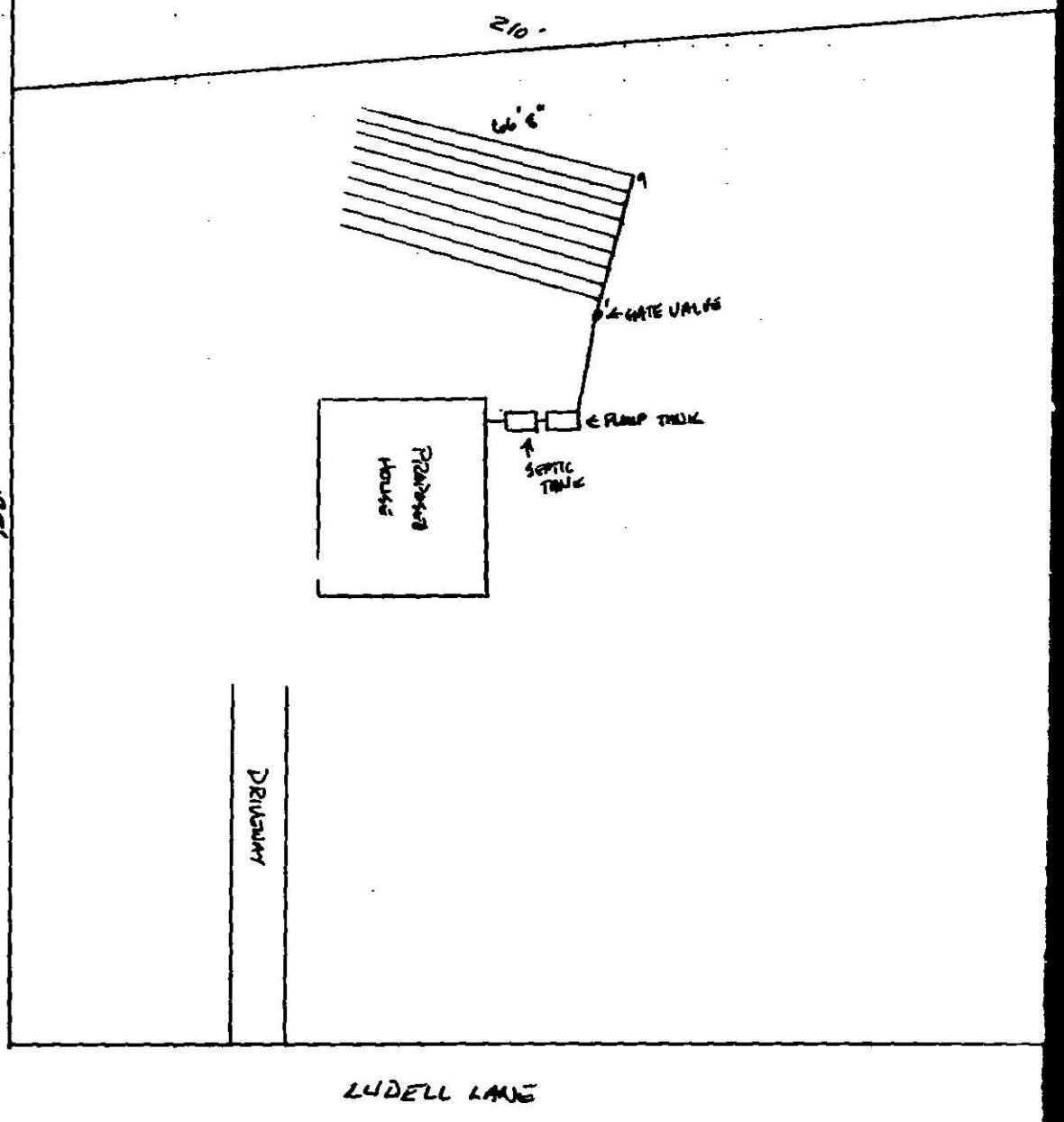
LINE #	HOLE SIZE	# HOLES	HEAD PRESSURE	FLOW/HOLE	HOLE SPACING*	FLOW/LINE
1	5/32"	10	3'	.5 GPM	~~78°~~ 80"	5 GPM
2	↓	10	3'	.5 GPM	~~78°~~ 80"	5 GPM
3	↓	10	3'	.5 GPM	~~78°~~ 80"	5 GPM
4	↓	9	3½'	.54 GPM	~~84°~~ 90"	4.9 GPM
5	↓	9	3½'	.54 GPM	~~84°~~ 90"	4.9 GPM
6	↓	9	3½'	.54 GPM	~~84°~~ 90"	4.9 GPM
7	↓	8	4'	.58 GPM	~~96°~~ 104"	4.6 GPM
8	↓	8	4'	.58 GPM	~~96°~~ 104"	4.6 GPM
9	↓	8	4'	.58 GPM	~~96°~~ 104"	4.6 GPM

TOTAL FLOW 43½ GPM

* Note: Holes on each lateral to begin 30" from manifold and will terminate approximately 30" from end of lateral.

LEONARD RAY & BEVERLY ANN WATTS
7417 ROBINSON CH. RD.
CHARLOTTE, N.C. 28215

SIR # 20148
TCPO 108-012-05



Date Received 10-18-83

ASCS SEE INSTRUCTIONS ON BACK

ICAR(S) Application No. 20148

T. C. No. Pa. 108-012-05

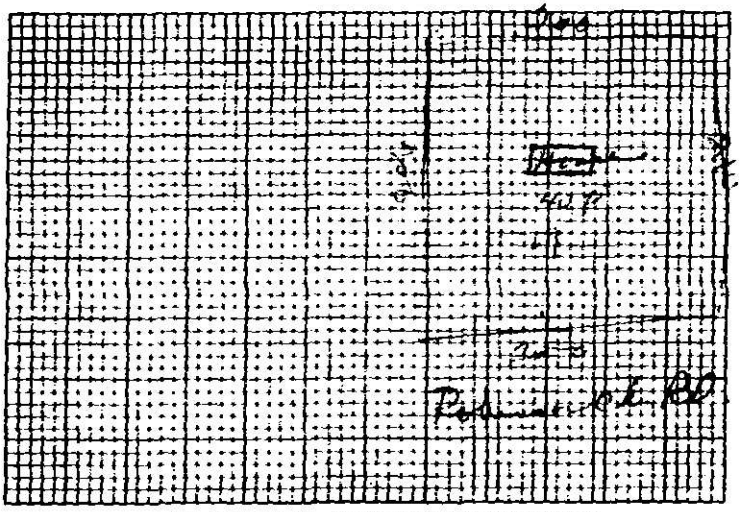
Map Date _____

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.



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 ✓ No
House located within 200 feet of community sewer ___ Yes ✓ No

11) FHA Case No. _____

12) VA Case No. _____

13) NAME OF OWNER Watts (LAST) Tracy (FIRST) A. (MIDDLE)

14) ADDRESS OF OWNER 7401 Robinson Church Rd

15) PHONE NO. Home 537-5496 Office 374-3485

16) LOCATION OF SYSTEM 7401 Robinson Church Rd (STREET OR COUNTY ROAD)

17) SUBDIVISION Not Entered Lot No. _____ 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 _____

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.

Oct 13th 1983
DATE OF APPLICATION

Tracy Ann Watts
OWNER

END-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

Return By & Mail To:
Environmental Health

BOOK PAGE
5095 0307

FILE NO. 20148

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)

2.19

The undersigned, LEONARD R. WATTS

owner of property located at 7417 ROBINSON CHURCH RD.; CHARLOTTE (MECKLENBURG)

("the site") and described in an instrument recorded in Book 5039 at Page 0175, 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 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 Grantee 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 26th day of SEPTEMBER, 1985.

Leonard R. Watts (SEAL)

(SEAL)

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, MARY H. WATTS, a Notary Public for said County and State, do hereby certify that: LEONARD R. WATTS personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 26th day of September, 1985.

Notary Public

My Commission Expires: 1-11-87

SEP 26 1 10 PM 85

5095 0308

State of North Carolina, County of Mecklenburg
The foregoing certificate(s) of Gary H. Watts,

a Notary Public of said County and State
is certified to be correct. This 26 day of September, 19 85
Charles E. Crowder, Register of Deeds, By: DEPUTY

FEE 5.00
5.00
CASH 5.00

#8350 000
09/26/85

ENVIRONMENTAL HEALTH
RECEIVED
OCT 9 1985
MECK COUNTY DEPARTMENT OF

Date Issued 10-3-85

Serial No. 8952

SIR No. 20148

T. C. No. PO 108-012-05

Map Date L CLT

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 Watts, (LAST) Troy (FIRST) A. (MIDDLE)

ADDRESS OF OWNER 7401 Robinson Church Road, Charlotte, NC ZIP 28213

LOCATION OF LOT 7416 Robinson Church 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 20148. 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 Sass
Environmentalist

Environmental Health Director, or Authorized Section Head

EHB-S-74

Environmental Health Department's Copy

Leonard Ray & Beverly Ann Watts
7417 Robison Church Road
Charlotte, N. C. 28215

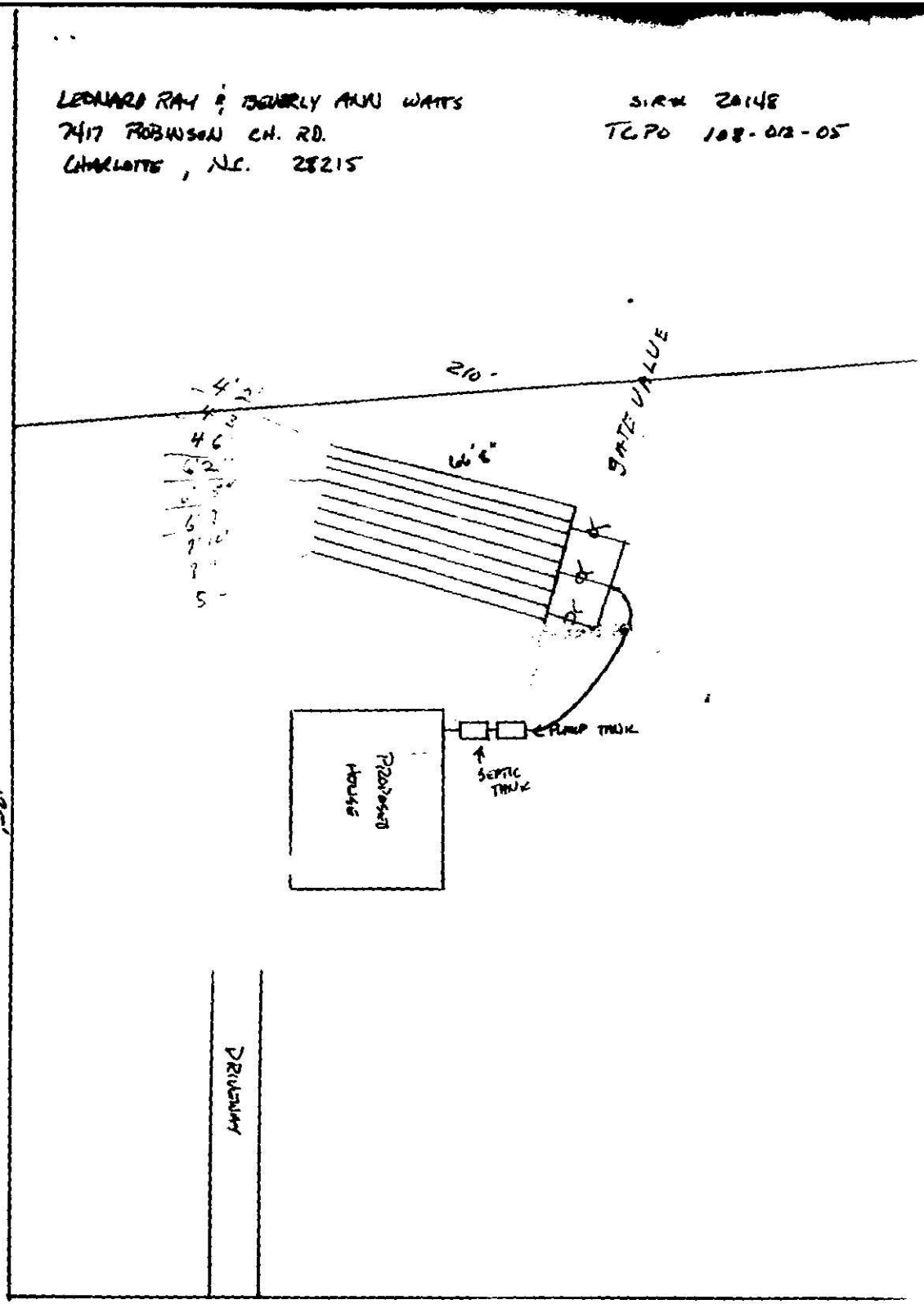
SIR # 20148
TC.P O 108-012-05

Daily Waste Flow	450 GPD
Septic tank size	1500 Gallon
Pumping tank size	1000 gallon
Effluent loading rate	.15 GPD/FT 2
Absorption Area	3000 Ft 2
Total Length of laterals	600 ft.
Lateral diameter	1 1/4" 160 pr PVC pipe
Lateral configuration	9-66' 8" lines
supply line length	20' 2" sch 40 pvc pipe
Manifold placement	Side
Elevation head	3'
Friction head	1'
Pressure head	~~3'~~ 4
Total head	~~7'~~ 8
Pump requirements	43 1/2 gpm at 7' total dynamic head
Storage vol. in laterals	54 gallons
Storage vol. in supply line	3 gallons
Total storage vol.	57 gallons
Dosing depth	8 inches
Dosing volume	273 gallons
No check valve necessary	
Gate valve	3

Line #	Hole size	# Holes	Head pressure	Flow/hole	Hole spacing	Flow / line
1	5/32"	10	3'	.5 gpm	72"	5 gpm
2	5/32"	10	3'	.5 gpm	72"	5 gpm
3	5/32"	10	3'	.5 gpm	72"	5 gpm
4	5/32"	10	3'	.5 gpm	72"	5 gpm
5	5/32"	10	3'	.5 gpm	72"	5 gpm
6	5/32"	10	3'	.5 gpm	72"	5 gpm
7	5/32"	10	3'	.5 gpm	72"	5 gpm
8	5/32"	10	3'	.5 gpm	72"	5 gpm
9	5/32"	10	3'	.5 gpm	72"	5 gpm
				Total	flow	45 gpm

LEONARD RAY & BEVERLY ANN WATTS
2417 ROBINSON CH. RD.
CHARLOTTE, N.C. 28215

SIRN 20148
TCPO 108-012-05



Serial No. 08884

Date Issued 1/30/86

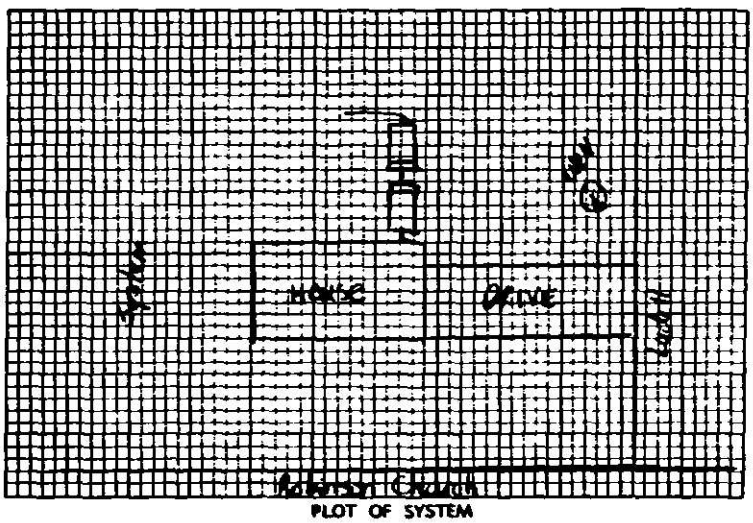
ICAR (S) Permit No. 20148

T. C. No. 108-012-05

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 20148, dated 10/18/83 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 2/30/86, after which date this permit shall be null and void.



PLOT OF SYSTEM

Permeability Rate US

Liquid Capacity of Tank 1500+1000

Tank Construction PCC

Absorption and/or Nitrification Lines:

Total Line Length 600'

Number of Lines 9 X 66'8"

Distance from House 5'

Distance from Property Line 10'

Distance from Well 85'

NAME OF OWNER Watts, Troy A.

LOCATION OF PROPERTY 7417 Robinson Church 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: _____

_____ Cynthia G. Bass

Division or Section Head — 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.

EHB-5-74

Environmental Health Department's Copy

C of A (s) No. 20148

Date Issued 1/31/86 Serial 8245 T. C. No. PO 108-012-03

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 Watts (LAST) Troy (FIRST) A (MIDDLE)

Location of Property 7417 Robinson Church Road

Application Number 20148 Permit Number 20148

Inspection Data:

Liquid Capacity of Tank 1500+1000 Tank Material PVC

Total Length of Drain Tile 600' Number of Lines 9

Depth of Filter Material 10' Cover Depth 6"

Water Supply Source well Distance from Water Source >100'

Excavation Inspected 1/31/86 (DATE) Tank Inspected 1/31/86 (DATE)

Nitrification Field Inspected 1/31/86 (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 1966, 1500 ST, 1000 DT, PI, LPP, 3000 SF, 10G, CECIL HELENA

Cynthia G. Goss
Environmentalist

EHD-S-76

Environmental Health Department's Copy