

11418 ABERNATHY RD

02309120

12/31/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2741 B DATE: 6/28/99

TC: 023-091-03 ☒ L ☒ CRT

SERIAL Nº 18086

Name of Owner Robert S. Parker Juris.: Meck

Address of Property 11418 Abernathy Rd

Inspection Data:

Tank Material P.C.C.

Total Length of Drainfield 400 ft.

Number of Lines 4 @ 100 ft

Cover Depth 12" +

Water Supply Source Municipal

Distance to Water Source N/A

Excavation Inspected 8/24/99

Tank(s) Inspected 8/24/99

Wash Line Inspected N/A

High Water Alarm Inspected N/A

PLOT

Design 1500 S.T. Conv. 1200 S.F.T. 12 G, CTR# Willie Christenbury

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☒ installed or constructed ☐ altered or repaired

☒ in accordance with the permit issued ☐ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☒ Certificate of Completion ☒ Operation Permit

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 document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of I5A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document 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.

Notice: Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: Designed for a 3 bedroom residence. Type II a

Jeffrey A. Knight
Environmental Health Specialist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

ENVIRONMENTAL HEALTH
700 N TRYON ST #211
CHARLOTTE, NC 28203

BATCH: 010
S-A-L-E-S D-R-A-F-T
73822355
000500158410

REF: 0001
CD TYPE: VISA
TR TYPE: MAIL/PHONE
INV: 1114
DATE: NOV 05, 99 08:47:56

AUS: EXACT MATCH
TOTAL $100.00*

ACCT: 4661880008304914 EXP: 01/06
AP: 057467

CARDMEMBER ACKNOWLEDGES RECEIPT OF GOODS AND/OR SERVICES IN THE AMOUNT OF THE TOTAL SHOWN HEREON AND AGREES TO PERFORM THE OBLIGATIONS SET FORTH BY THE CARDMEMBER'S AGREEMENT WITH THE ISSUER

THANKS FOR USING VISA

X _____

CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

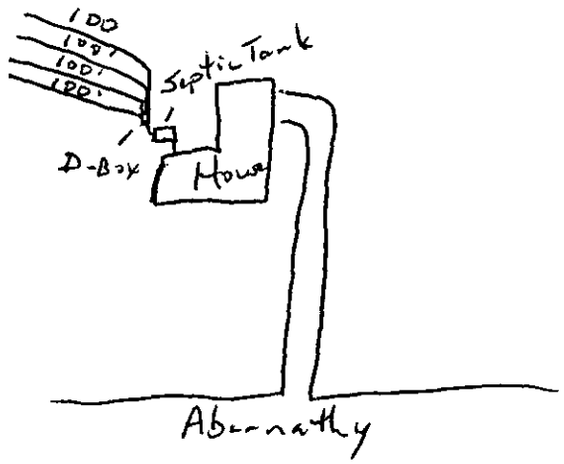
.TH DEPARTMENT
RONMENTAL HEALTH DIVISION
IORTH TRYON ST., SUITE 211
RLOTTE, NC 28202
NE (704) 336-5102

FILE: 2741B DATE: 6/28/99

TC: 023-091-03 ☒ L

SERIAL Nº 18167

In to ✓ Install or Construct, _____ Alter or Repair the individual septic tank wastewater surface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted in supplied in the application dated 11/3/98. All work shall be completed 28, 1999, after which date this permit shall be null and void. The system shall h requirements of 15A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate ration Permit must be obtained from the Mecklenburg County Health Department before any system can be service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed relieve any person now or hereafter owning, controlling or using such system from any liability resulting from to operate properly.



PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank N/A gallons

Tank Construction P.C.C.

Trench Depth 24"

Absorption and/or Nitrification Lines:

Trench Width 3 feet

Trench Walls Scored and Porous Yes

Total Line Length 400 feet

Number of Lines 4

Depth of Stone 12 inches

Distance from House >5 feet

Distance from Property Line >10 feet

Distance from Well >100 feet

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER Robert S. Parker

LOCATION OF PROPERTY 11418 Abernathy Rd

Comments: 1) Keep lines level and on contour and 9 ft on center.

Jeff A. Knight
Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

check # 5519 465

FEE: 110.00 **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION**
DATE: 12/16/98 **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 12-15-98 PERMIT NO: 2741-B
PARCEL NO: 023-091-03

JOB LOCATION ADDRESS: 1114 Abernathy Rd
PROPERTY OWNER: Robert Parker
BUILDING CONTRACTOR: Berl Webb
SUBDIVISION NAME:
AUTHORIZATION ISSUED BY: [signature] DATE: 12/15/98
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 2741-B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED **PRIOR** TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: _____

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

[signature] 12/16/98
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

Permit Number: 2741-B

Tax Number: 023-091-03

- The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement	___ Yes	✓ No	___ Partial Basement
Type Primary Wastewater System Type (circle one): I (II) III IV V VI	✓ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1
.3 Long-term acceptance rate	360 Max gallons/day wastewater flow	1200 Absorption Area (sq ft)	9 Trench spacing (min. on centers)
No Serviced by private well	1500 Gallon septic tank	400 Total trench length (ft)	24" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
3 Bedrooms in residence	✓ Gallon pump tank	12" Depth of stone	
Any surface waters present: No Type:		Minimum separation distance:	
Site modifications required:			
Additional Conditions:			
Repair Area System Type Type (circle one): I (II) III IV V VI	✓ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1
1200 Absorption Area (Sq ft) 400 Total Trench Length (Ft)	12" Depth of Stone Trench	9 Trench spacing (min. on centers)	24" Maximum Trench Depth
For existing system, enter the year originally installed:			

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.
- This Improvement permit is transferable.

12-15-98

DEHNR Authorized Agent Date

1/16/98

Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

IWWS-100125

FEE: 100.00 CK #567
DATE: 11-3-98 Wire

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

[ ] CRT

TYPE APPLICATION: ___ NEW SYSTEM ___ EXPANSION/ ALTERATION OF EXISTING SYSTEM ___ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: 27416

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 023 091 08 90

STREET ADDRESS: Lot 2 Abernathy Rd.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 2

TYPE OF BUILDING (CHECK ONE):

___ SINGLE MOBILE HOME(S)
___ DOUBLE WIDE (D)
✓ HOUSE (H)
___ MODULAR HOME (M)
___ MULTIPLE FAMILY (U)
___ OTHER (O)

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
___ 1 CHARLOTTE
___ 2 DAVIDSON
___ 3 CORNELIUS
___ 4 PINEVILLE
___ 5 MATTHEWS
___ 6 HUNTERSVILLE
___ 7 MINT HILL

HEATED SQUARE FOOTAGE: 3000

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 5

CLOSING DATE Nov 30th 1998

FOUNDATION FOR RESIDENCE:

___ WITHOUT BASEMENT
___ ON SLAB
✓ CRAWL SPACE
___ WITH BASEMENT /PLUMBING
___ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ___ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

___ COMMUNITY (C)
___ SHARED WELL (S)
✓ MUNICIPAL (M)
___ OTHER 'SPRINGS' (O)
___ PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES ___ YES ✓ NO
EXISTING WASTEWATER SYSTEMS ___ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS ✓ YES ___ NO
WELL, SPRINGS OR WATERLINES ✓ YES ___ NO
DESIGNATED WETLANDS ___ YES ✓ NO

PROPERTY OWNER:	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: (LAST) Love (FIRST) Randy (MI)	NAME: (LAST) Parker (FIRST) Robert (MI) S.
ADDRESS: 11409 Abernathy Rd.	DAYTIME PHONE: (704) 399-2420
CITY: Cha STATE: NC ZIP: 28216	
DAYTIME PHONE: (704) 399 4812	

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the 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 Health Department to enter onto the property for the purpose of processing this request.

SIGNED: Robert S. Parker DATE: 11/3/98

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

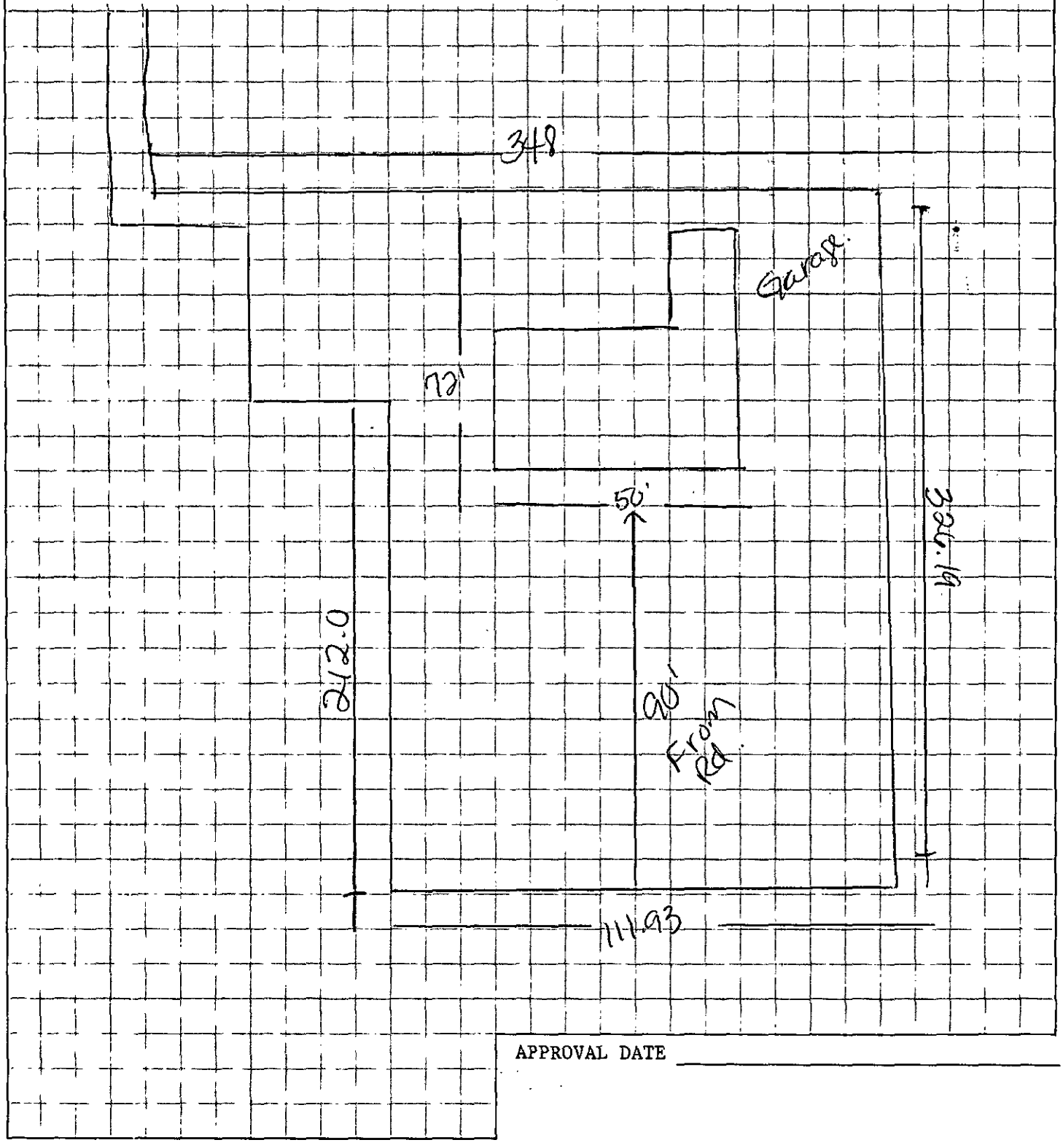
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2741B

TC: 023-091-03PD

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



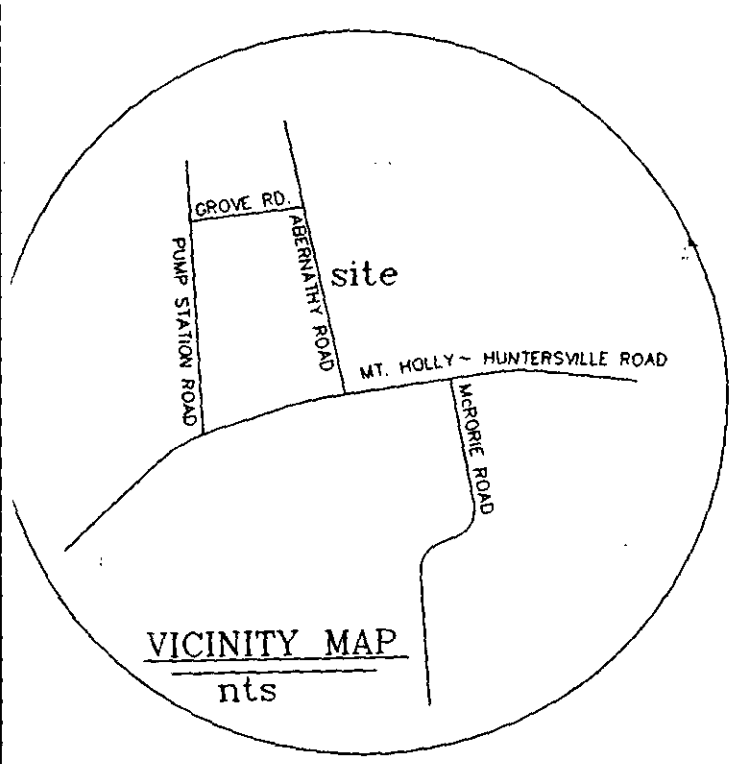
APPROVAL DATE _____

White - Health Department's Copy Canary - Environmentalist's Copy Pink - Owner's Copy

SEAL
L-2942
LAND SURVEYOR
DAVID H. SNIDER

survey by ZOUTEWELLE dated 2/26/86

AT 15:10
JUDITH A. GIBSON
MECKLENBURG COUNTY, N. C.
REGISTER OF DEEDS



VICINITY MAP
nts

W.G. HELDERMAN
DB 6206 PG 164

W.G. HELDERMAN
DB 8173 PG 617

L.C. COOPER
DB 4000 PG 485

W.J. COOPER
DB 2167 PG 117

W.J. COOPER
DB 8662 PG 387

EXISTING R/W

SR 2002

30' FROM ℄ DEDICATED TO NCDOT as PUBLIC R/W

CITY OF CHARLOTTE R/W WATER LINE EASEMENT

LONG CREEK TWSP.
PAW CREEK TWSP.

LOT 4
AREA= 2.27ac.
11448 ABERNATHY ROAD

LOT 3
AREA= 2.00ac.
11432 ABERNATHY ROAD

LOT 2
AREA= 0.39ac.
TAX CODE 023-091-18
11420 ABERNATHY ROAD

LOT 1
AREA= 2.00ac.
11416 ABERNATHY ROAD

N77°29'57"E 636.28'
N77°29'57"E 303.41'
N76°56'31"E 165.00'
S19°15'59"E 240.30'
S12°27'53"E 221.95'
S13°03'43"E 184.00'
N12°49'07"W 185.09'
341.66'
575.98' total
S76°56'31"W
88.50'
145.82'
N11°34'49"W 258.70'
N11°34'49"W 259.07'
N16°11'10"W 107.42'
S16°11'10"E 348.00'
S13°03'43"E 414.16'
N78°34'22"E 280.68 total
254.49'
N78°34'22"E 239.67'
N68°52'00"E 124.93'
50.00'
S23°29'10"E 80.00'
N68°52'00"E 185.09'
212.00' total
N68°52'00"E 212.00' total
S68°52'00"W 186.16
N68°52'00"E 304.77'
326.19' total
139.85'
S66°38'42"W
134.52'
S66°40'21"W
164.27' total
S65°26'18"W 140.14'
S24°21'09"E 99.92'
S23°20'17"E 129.39'
S23°20'17"E 77.84'
S23°20'17"E 110.62'
S23°20'17"E 101.46'
S23°44'58"E 70.11'
S78°34'22"W 30.66'
N22°25'52"W 88.28'
N23°39'10"W 80.00'
30' Building Setback
5.48
20.71
87.32
23.57
105.00
78.91
25.84
11.93
21.42
104.06
24.13

LEGEND

IRON FOUND ○
IRON PIN SET ◉
USGS MONUMENT △
NAIL FOUND ⊡

NOTES:

1-CURRENT ZONING R3
FRONT SETBACK 30'
SIDEYARD 6'
REAR YARD 45'

MOUNTAIN ISLAND LAKE WATERSHED -- CRITICAL AREA 1

2-LOCATED ON COUNTY MAP GRID G17
3-TAX CODE 023-091-03

L.C. COOPER
DB 4000 PG 485

JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG

IT BOOK 29 PAGE 159
DATE: 10-15-98
JUDITH A. GIBSON, REGISTER OF DEEDS
BY

PREPARED IN ACCORDANCE WITH CHAPTER 50 OF THE CODE OF ORDINANCES OF MECKLENBURG COUNTY, NORTH CAROLINA

PLANNING COMMISSION STAFF

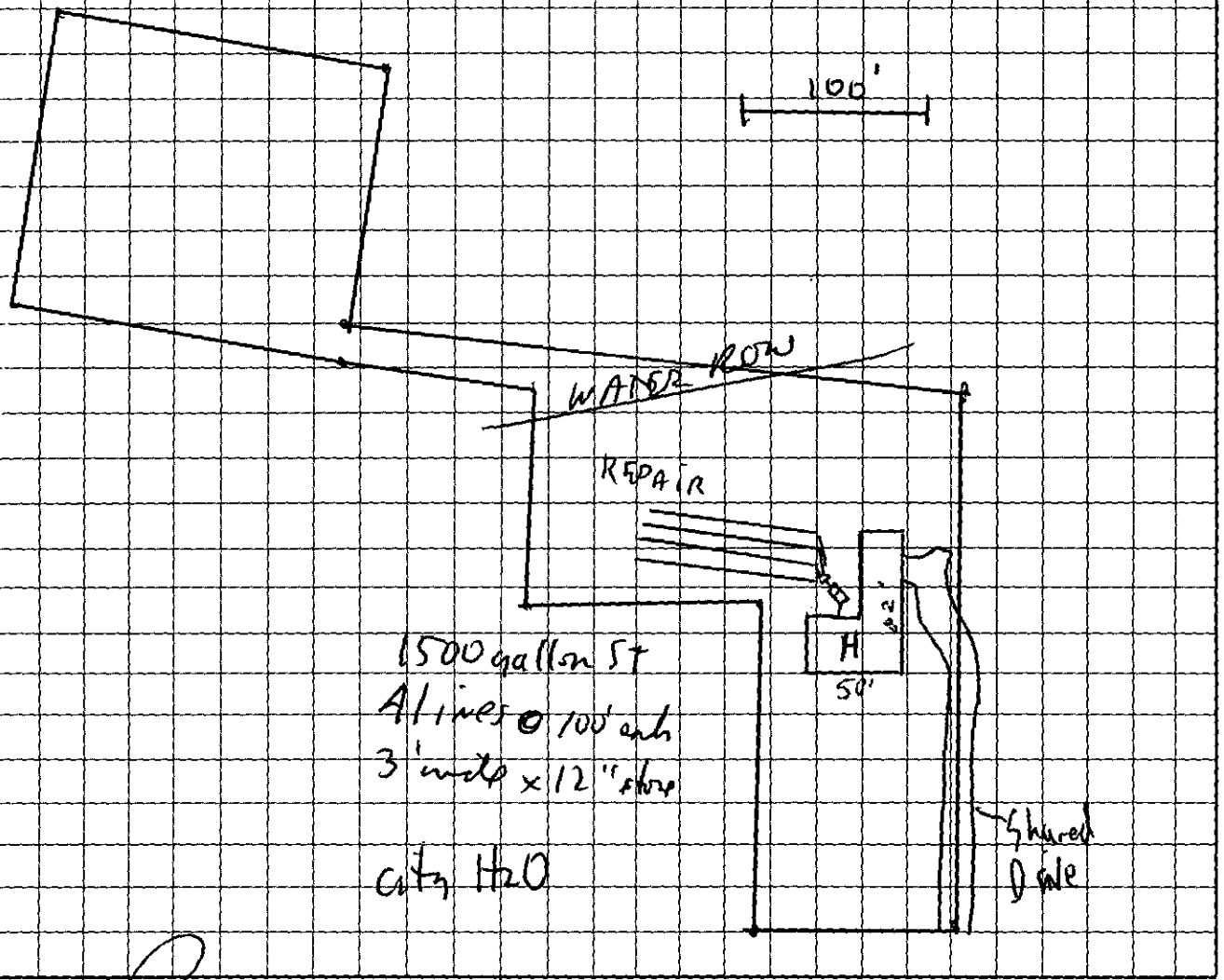
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2741-B

TC: 023-091-03

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



OWNER/AGENT SIGNATURE

DATE 12/16/98

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: P0023-9440-7
Lot # : 2
File # : 2741 B

#2 (40°)

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Randy Lowe
APPLICANT: Robert S. Parker
ADDRESS: 11407 Abernathy Rd, Charlotte
DATE EVALUATED: 12-8-94
PROPOSED FACILITY: residence
PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: approx. 1 A
PROPERTY RECORDED:
LOCATION OF SITE: Abernathy Rd
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	2-94C .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS	0-3"	gr/scl	Fr/SEXP/SS/SP	29" TO SOIL WETNESS	29"	N/A	None	US IV .15gl Fz LPP
		3-24"	SBK/C	Fi/SEXP/SIP					
		24-29"	SBK/scl	Fr/SEXP/SS/SP					
2	LS	0-3"	gr/cl	Fr/SEXP/SS/SP	24" TO SOIL WETNESS	24"	N/A	None	US IV .15gl Fz LPP
		3-20"	SBK/C	Fi/SEXP/SIP					
		20-24"	SBK/scl	Fr/SEXP/SS/SP					
3	LS	0-4"	gr/scl	Fr/SEXP/SS/SP	29" TO SOIL WETNESS	29"	N/A	None	US IV .15gl Fz LPP
		4-24"	SBK/C	Fi/SEXP/SIP					
		24-29"	SBK/scl	Fr/SEXP/SS/SP					
4	LS	0-3"	gr/scl	Fr/SEXP/SS/SP	39" TO SOIL WETNESS	39"	N/A	None	PS, IV .39gl Fz
		3-39"	SBK/C	Fi/SEXP/SIP					
5	LS	0-4"	gr/scl	Fr/SEXP/SS/SP	38" TO SOIL WETNESS	38"	N/A	None	PS, IV .39gl Fz
		4-38"	SBK/C	Fi/SEXP/SIP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W. A. Marlin 12-9-94
OTHER(S) PRESENT: LSS

27410

COMMENTS 100% Repair sidewalk Square All not clearly marked may need sidewalk replacement

LANDSCAPE POSITION	GROUP	TEXTURE	1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

CONSISTENCE	
MOIST	WET
VFR-VERY FRIABLE	NS-NON-STICKY
FR-FRIABLE	SS-SLIGHTLYSTICKY
FI-FIRM	S-STICKY
VFI-VERY FIRM	VS-VERY STICKY
EFI-EXTREMELY FIRM	NP-NON-PLASTIC
	SP-SLIGHTLYSTICKY
	P-PLASTIC
	VP-VERY PLASTIC

STRUCTURE

SG-SINGLE GRAIN
M-MASSIVE
CR-CRUMB
GR-GRANULAR
SBK-SUBANGULAR BLOCKY
ABK-ANGULAR BLOCKY
PL-PLATY
PR-PRISMATIC

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE

