

15501 HUGH MCAULEY RD

00907102

5/8/07

duponbj

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

EXT 00

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

Pd $50 4/26/94 CK #5243 EXT

360SA

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
Charlotte, NC 28202

(704)336-5102

PERSON FILING APPLICATION:

NAME: WHITTLESEY (last) CLIFFORD (first) C (mi)

ADDRESS: 15401 HUGH McAULEY PHONE: (H) 875-876 (work) 521-8713

CITY: HUNTERSVILLE STATE: NC ZIPCODE: 28078

Date: 4/22/94

PROPERTY OWNER:

NAME: WHITTLESEY (last) CLIFFORD (first) C (mi)

ADDRESS: 15401 HUGH McAULEY PHONE: (H) 875-876 (work) 521-8713

CITY: HUNTERSVILLE STATE: NC ZIPCODE: 28078

PROPERTY INFORMATION (FROM ENGINEERING FORM):

TAX/PARCEL NUMBER: 009-071-02

STREET ADDRESS: 15401 HUGH McAULEY RD HUNTERSVILLE, NC 28078

ZONING:

Township (check one):
[ ] 0 Mecklenburg County [ ] 1 Charlotte [ ] 2 Davidson [ ] 3 Cornelius [ ] 4 Pineville [ ] 5 Matthews [X] 6 Huntersville [ ] 7 Mint Hill

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: LOT SIZE (in acres):

TYPE APPLICATION (check one):

[ ] SOIL TEST - INDIVIDUAL LOT (D)
[ ] NEW CONSTRUCTION ON VACANT LOT - 4 BEDROOMS OR LESS (N)
[ ] EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
[ ] ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A or M)
[ ] COMMERCIAL OR INDUSTRIAL (N)
[ ] SOIL TEST DEVELOPMENT (P)
[X] ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X) ADD ½ BATH IN ACC. BLDG
[ ] MODIFIED /ALTERNATIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
[ ] REPAIR TO SYSTEM (R)

RESIDENTIAL PROPERTY (Type Building, check one):
[ ] SINGLE MOBILE HOME (S) [X] HOUSE (H) [ ] MULTIPLE FAMILY (U)
[ ] DOUBLE WIDE (D) [ ] MODULAR HOME (M) [ ] OTHER _____ (O)

NUMBER BEDROOMS: 5 NUMBER OCCUPANTS: 4

SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business _____ # Employees ___ Per Shift ___ ___ ___
Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) ___ Type _____

WATER SUPPLY (check one):
[ ] Community (C) [ ] Shared Well (S)
[ ] Municipal (M) [ ] Other 'spring' (O)
[X] Private Well (P)

FUTURE ADDITIONS - ALL PLANNED ADDITIONS MUST BE ENTERED (check all that apply):
[ ] Swimming Pool [ ] Jacuzzi [ ] Stable/Barn [X] Workshop [ ] None
[ ] Garage [ ] Storage Building [ ] Deck/Patio [ ] Bedrooms [ ] Other

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: Clifford C. Whittlesey Date: 4/22/94

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, 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 permit is not transferable.

...Use existing System (With Plumbing) Will use sewage grinder pump to achieve gravity.

[ ] IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
[ ] MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
[ ] ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

Phillip A. Walker E.S. 4/26/94
Environmentalist Date

Director or Authorized Section Head Date

WATER : 122791

CERTIFICATE OF COMPLETION/OPERATION PERMIT

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

FILE: 3608A DATE: 12/12/88

TC: 009-071-02 ☐ L ☑ CRT

SERIAL № 11581

Name of Owner Whittlesey, Clifford C Juris.:

Address of Property 15401 Hugh McAuley Rd

Inspection Data:

Tank Material PCC

Total Length of Drainfield 700'

Number of Lines 7 @ 100'

Cover Depth 18"

Water Supply Source well (not in yet)

Distance to Water Source >50'

Excavation Inspected 12/12/88

Tank(s) Inspected 12/12/88

Wash Line Inspected —

High Water Alarm Inspected —

PLOT

Design: 1988, 1500ST, CON, 2100SFT, 126, Cecil CTR# owner

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 10 NCAC 10A .1900, "Laws And Rules For Sanitary Sewage Collection, Treatment, And Disposal" in effect on the date of issuance of the permit. The 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 10 NCAC 10A .1900 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.

COMMENTS: System designed for a 5-bedroom house

Karla W Johnson
Environmentalist

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

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR PERMIT

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH

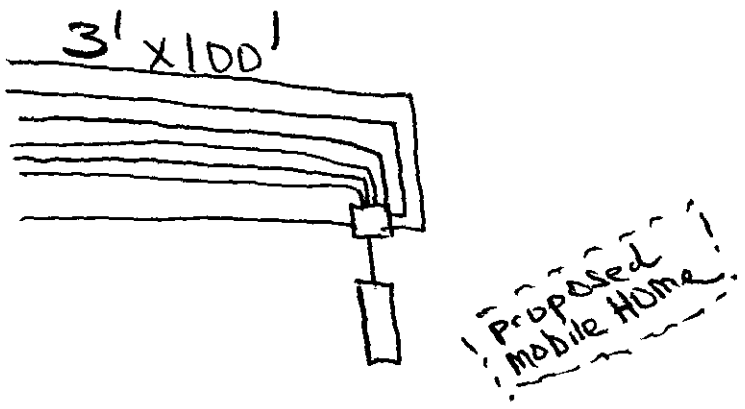
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 3608 A DATE: 8/3/88

TC: 009-071-02 ☐ L

SERIAL № 12068

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 the application dated 7/13/88. All work shall be completed on or before 9/3/88, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 10 NCAC 10A .1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Department of Environmental Health before any system can be covered up or placed into service. 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.



Hugh McAuley Rd.
PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank _____ gallons

Tank Construction Pre Cast

Absorption and/or Nitrification Lines:

Trench Width 3 feet

Total Line Length 700' feet

Number of Lines 7

Depth of Stone 12" inches

Distance from House 5' feet

Distance from Property Line 10' feet

Distance from Well 100' feet

NAME OF OWNER Whitlesey, Clifford C

LOCATION OF PROPERTY 15401 Hugh McAuley Rd.

Comments: INSTALL 7 Trenches 3' x 100' 12" Stone Straw Cover, Depth of Trenches 36"; 700' At request of Property Owner - Future 5 bedroom home planned.

Division or Section Head

Judy A Kerr R.S.
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.

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

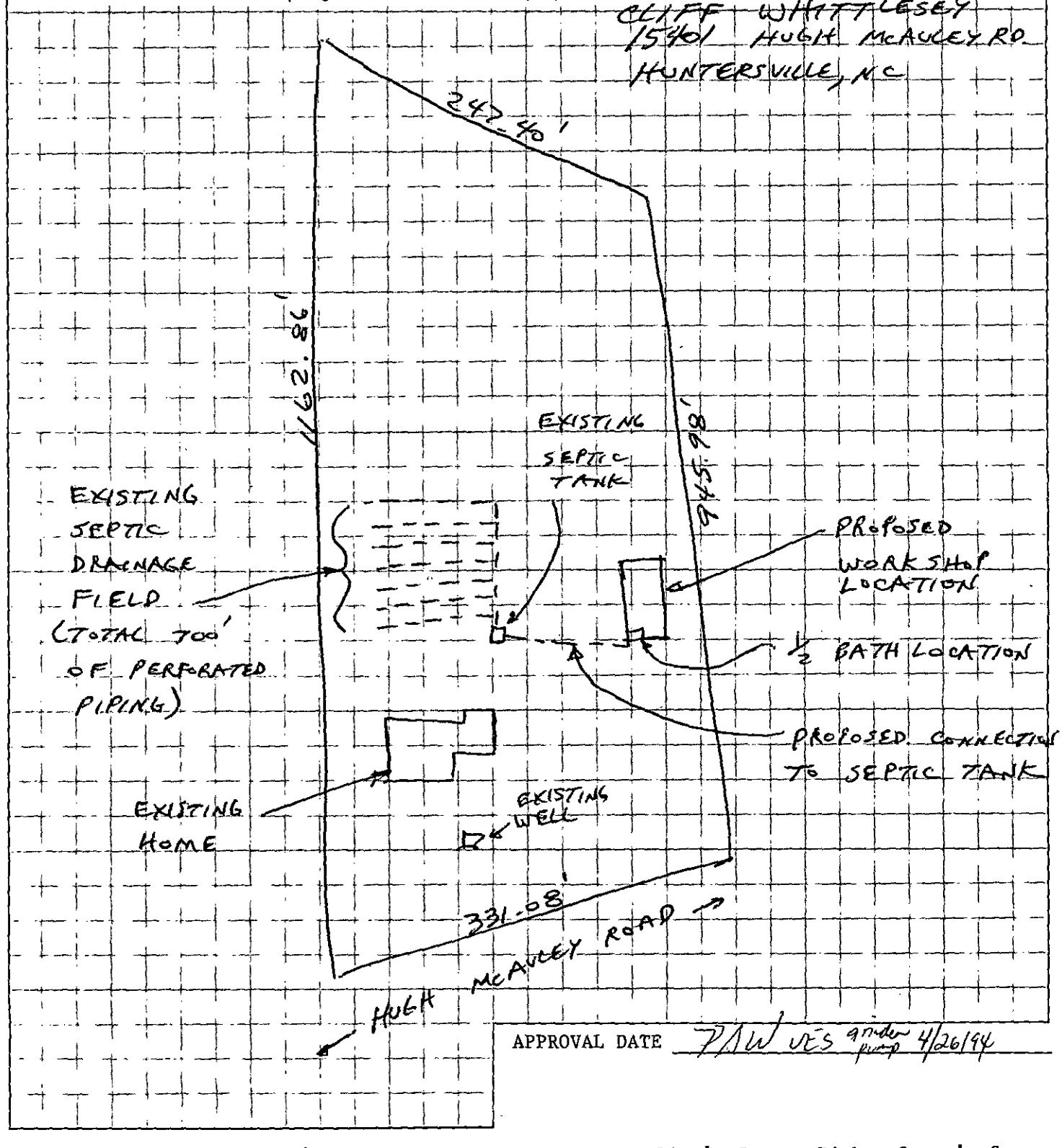
PROPOSED PLOT PLAN

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

FILE: 3608A

TC: 009-071-02

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 PAW YES grinder pump 4/26/94

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

DATE 4-21-94

TO: CHARLOTTE-MECKLENBURG BUILDING STANDARDS
PERMIT ISSUING SECTION

FROM: MECKLENBURG COUNTY ENGINEERING

JURISDICTION Meck

009-071-02
PARCEL NUMBER

15401 Hugh McKinley RD
ASSIGNED STREET ADDRESS (ADDRESS OF RECORD)

EXISTING STREET ADDRESS (IF DIFFERENT FROM ASSIGNED)

N/A
PROJECT NAME (IF APPLICABLE)

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

1. SUBDIVISION REGULATIONS	APPROVED	NOT APPROVED
2. FLOODWAY REGULATIONS	APPROVED	NOT APPROVED
3. WATERSHED PROTECTION	APPROVED	NOT APPROVED
4. COMMERCIAL DRAINAGE PLAN	APPROVED	NOT APPROVED
5. PUBLIC UTILITY EASEMENT	PRESENT	NOT PRESENT
6. PROPERTY FRONTS ON THOROUGHFARE	YES	NO
7. DRIVEWAY PERMIT REQUIRED	YES	NO
8. DOES PROJECT CONFLICT WITH ROAD PROJECT?	YES	NO

REMARKS: Accessory Bldg.

NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIERS OFFICE WHEN PAYING PERMIT FEE. CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAY(S).

ALL OTHER FORMS OBSOLETE

☐ NEW ADDRESS

SIGNED: B. McCowin

REVISED 1/91

7/14/88 PD 150 – CK# 2815 OK

APPLICATION FOR AN IMPROVEMENT PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

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

(OFFICE USE ONLY)

FILE: 3608A

TC: _____

SERIAL: No: 16038 ☒ L ☐ CRT

JOB LOCATION

① ADDRESS: 15401 HUGH MCAULEY RD., HUNTERSVILLE N.C. ② FILE: _____
STREET NO. STREET

③ JURISDICTION: _____ ④ TAX PARCEL NO.: 00907102

⑤ SUBDIVISION: _____ ⑥ LOT: _____ ⑦ BLOCK: _____

OWNER

⑧ NAME: CLIFFORD (FIRST) CORNELIUS (MIDDLE) WHITTLESEY (LAST)

⑨ MAILING ADDRESS: 6630 PALOVERDE LANE

⑩ CITY: CHARLOTTE ⑪ STATE: NC ⑫ ZIP: 28212

⑬ PHONE: (WORK) 373-6222 ⑭ (HOME) 536-2840

REQUEST

This request is for a(n):

⑮ ☒ New permit ⑰ ☐ Authorization for mobile home exchange

⑯ ☐ Repair or alteration permit ⑱ ☐ Other (specify) _____

DESIGN CRITERIA

System will serve:

⑲ ☒ Residence ⑳ ☐ Mobile home ㉑ ☐ Business or place of public assembly

㉒ Number of bedrooms? 5 ㉕ Type? _____

㉓ Maximum occupancy? 8 ㉖ Maximum number of employees? _____

㉔ Basement? ☐ yes ☒ no ㉗ Maximum number of seats? _____

WATER SUPPLY

㉘ Water supply from (present or proposed):

A ☒ Individual well

B ☐ Municipal system

C ☐ Community well

D ☐ Community system

㉙ 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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: Clifford C. Whittlesey

Date: JULY 13, 1988

IMPROVEMENT PERMIT

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 Sanitary Sewage Collection, 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 permit is issued by this Department.

... This permit is not transferable, and shall become null and void 36 months from the date of issuance.

Judy S. Davis RS 7/22/88
Environmentalist Date

Director or Authorized Section Head 7/25/88 Date

*This permit must be signed by the Director of Mecklenburg County Health Department or an authorized section head in order to be valid.

PROPOSED PLOT PLAN

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

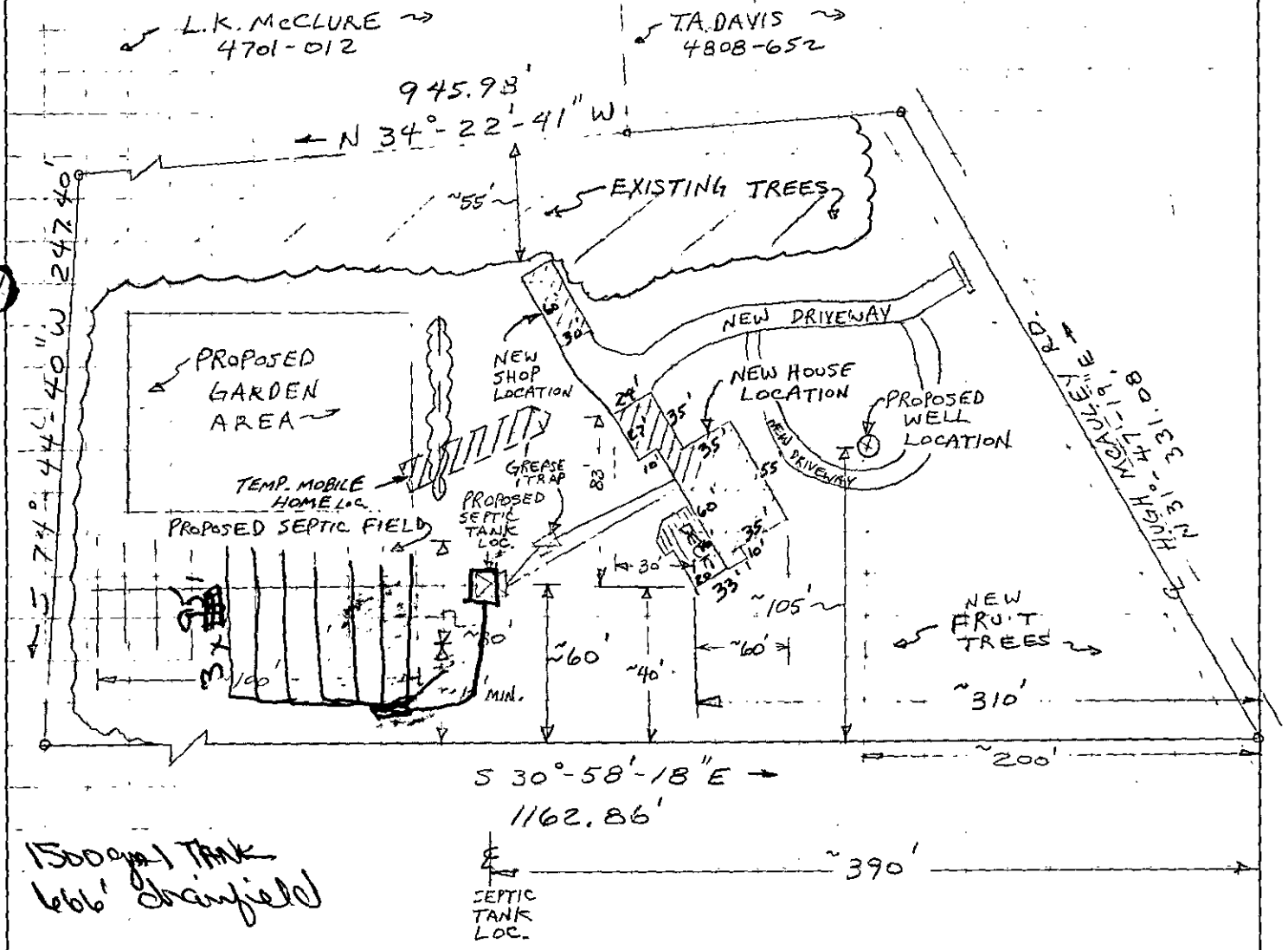
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 3608A

TC: _____

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.

NOTE: ONLY FRONT HALF OF PROPERTY IS DRAWN IN. BACK HALF OF PROPERTY IS ALL TREES, AND WOULD BE ON LEFT SIDE OF SKETCH. (NOTE LENGTH OF HORIZONTAL PROPERTY LINES ⇒ 945' & 1162'). HUGH MCAULEY RD. IS OFF STUMPTOWN RD. NEAR HUNTERSVILLE.



Signed: Clifford Cornelius Whitley

Date: JULY 13, 1988

3608A

MECKLENBURG COUNTY
Department of Environmental Health

June 8th, 1988

Clifford Cornelius Whittlesey
6630 Paloverde Lane
Charlotte, NC 28212

RE: Property located at Hugh McAuley Road
FILE: 3608A
PARCEL: 00907102

Dear Sir:

At your request, a field investigation was conducted on the property designated above for the purpose of determining site suitability for the installation of a ground absorption sewage disposal system. The property was found to contain a limited area of soils which were classified as provisionally suitable for such an installation. A copy of the Site Evaluation Report (Serial Number 11752) is enclosed for your information.

Should you desire to file for permission to install a ground absorption sewage disposal system, please submit an Application For An Improvement Permit with an ACCURATELY dimensioned plot plan detailing the location of current and/or proposed buildings, wells and sewage disposal systems to this office. The plan will be reviewed and if it is found that the area of provisionally suitable soils is adequate for the proposed construction, an Improvement Permit will be issued by this Department.

If I may be of assistance, please do not hesitate to contact me.

Sincerely,

Sylvia D. Daniel, R.S.
Environmental Health Supervisor
Environmental Resources Division

Enclosure

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER 11752

File: 3609A Action 1

Parcel: PO 009-071-02 ☐ PC

Location: 15401 Hugh McAuley Road

Subdivision:

Lot: Block: Acres: Approx .47

Owner: Clifford Cornelius Whittlesey
Address: 6630 Paloverde Lane
Charlotte, N. C. 28212

Comments: _____

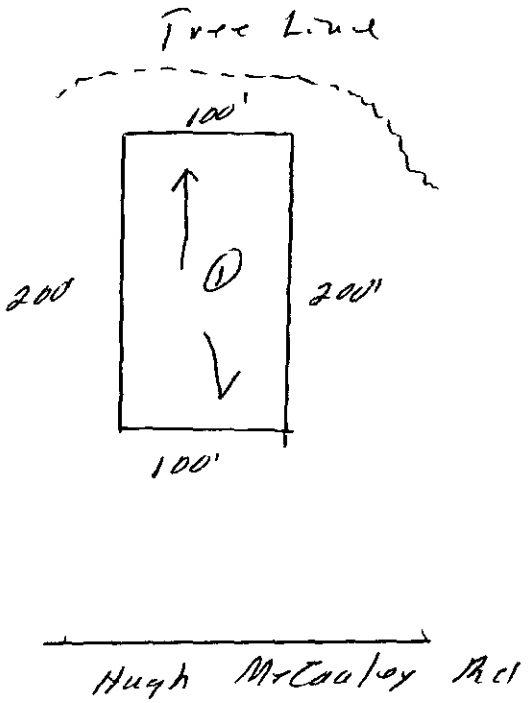
Described by: William A. Marlin

Date: 6-8-88

***** EVALUATION KEY *****

S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

Distances Approximate



FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	(S) PS U 2-8%	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S (PS) U Clay	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U Blocky	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U 736" to water	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U >36"	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U 736"	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S (PS) U	S PS U	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	IVA Cecil-like					
Area Classification	S (PS) U	S PS U	S PS U	S PS U	S PS U	S PS U

5/25/88 Pd 30 - Ck# 2752 JR

APPLICATION FOR SOIL INVESTIGATION

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

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

RECEIVED
MECKLENBURG COUNTY
HEALTH DEPT.
MAY 26 '88
ENVIRONMENTAL HEALTH
DIVISION

(OFFICE USE ONLY)

FILE: 3608A

TC: _____

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: 15401 HUGH MCAULEY ROAD, HUNTERSVILLE N.C.

② SUBDIVISION: _____ ③ LOT: _____ ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: _____ PAGE NO.: _____ TAX PARCEL NO.: 00907102

⑥ DEED REFERENCE: BOOK NO.: 4371 - 841 PAGE NO.: _____

OWNER

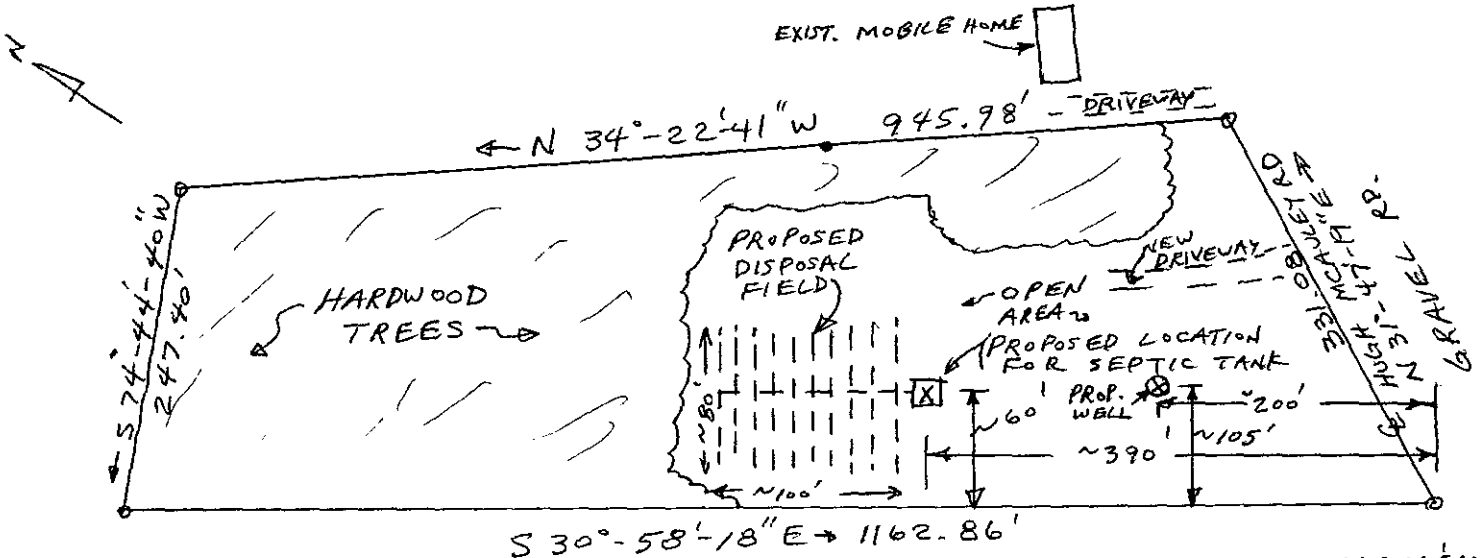
⑦ NAME: CLIFFORD (FIRST) CORNELIUS (MIDDLE) WHITTLESEY (LAST)

⑧ MAILING ADDRESS: 6630 PALOVERDE LANE

⑨ CITY: CHARLOTTE ⑩ STATE: NC ⑪ ZIP: 28212

⑫ PHONE: (WORK) 373-6222 (HOME) 536-2840

⑬ Accurately diagram and dimension lot. APPROX. 6.5 ACRES TOTAL



PROPOSED WELL LOC. HAS 4' STEEL POST DRIVEN IN @ LOC., FLAGGED & MARKED.

NOTE: SEPTIC TANK LOCATION HAS 4' STEEL POST DRIVEN IN @ LOC. & FLAGGED.

⑭ 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: Clifford C. Whittlesey

Date: 5-22-88

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

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

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

MECK COUNTY DEPARTMENT OF
RECEIVED
JUN 23 1987
1200 BLYTHE BOULEVARD
ENVIRONMENTAL HEALTH
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)
FILE: 3608A

MECK COUNTY DEPARTMENT OF
RECEIVED
JUN 18 1987
ENVIRONMENTAL HEALTH

TC: _____

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: Hugh McAuley Rd

② SUBDIVISION: ——— ③ LOT: — ④ BLOCK: 071

⑤ PARCEL REFERENCE: BOOK NO.: 009 PAGE NO.: 07 PARCEL NO.: 002

⑥ DEED REFERENCE: BOOK NO.: _____ PAGE NO.: _____

OWNER

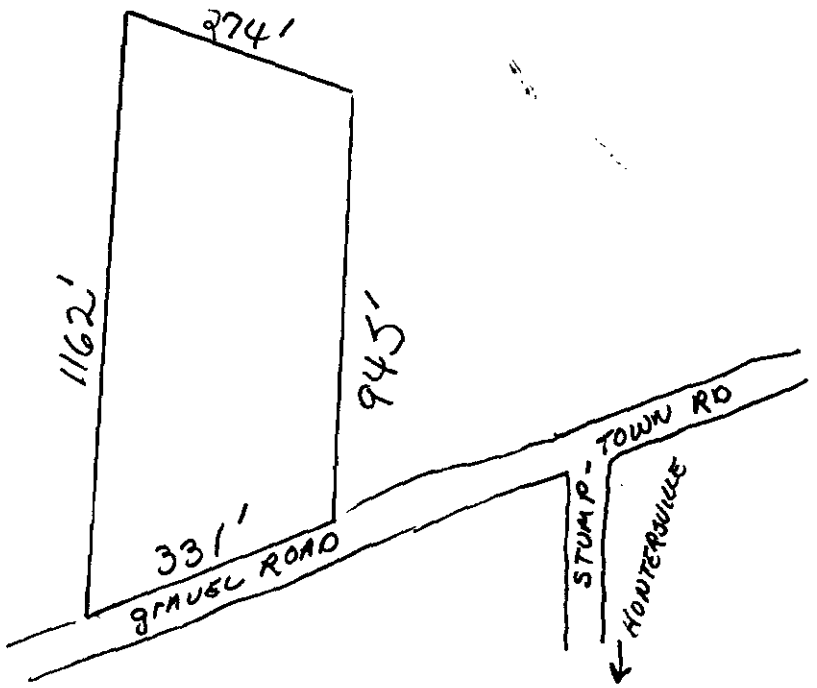
⑦ NAME: Thomas (FIRST) G. (MIDDLE) Douglas (LAST)

⑧ MAILING ADDRESS: c/o Marshall Case Co. P.O. Box 519

⑨ CITY: Davidson ⑩ STATE: N.C. ⑪ ZIP: 28036

⑫ PHONE: (WORK) 892-1886 (HOME) 875-2194

⑬ Accurately diagram and dimension lot.



⑭ 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: Thomas G. Douglas AGENT owner

Date: 6/17/87

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

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

MECKLENBURG COUNTY

Department of Environmental Health

July 16, 1987

Mr. Thomas G. Douglas
c/o Marshall Case Company
P.O. Box 519
Davidson, NC 28036

Dear Mr. Douglas:

At your request a pre-preliminary investigation was made of soils and topography on property located on Hugh McAuley Road. The purpose of the investigation was to determine site suitability for septic tank systems. A soil map was prepared and a copy is enclosed.

The unshaded part of the map indicates soils that have the required drainage, aeration, depth, percolation and suitable topography and are therefore predominantly acceptable for septic tank systems. The part of the map shaded in yellow indicates soils that do not meet one or more of the above listed requirements and are classed as predominantly unacceptable for septic tank systems.

Permits are not issued on any property until a definite lot is marked off on the property and the soils on that lot have been checked and found suitable.

Sincerely,

Willard Ramsey

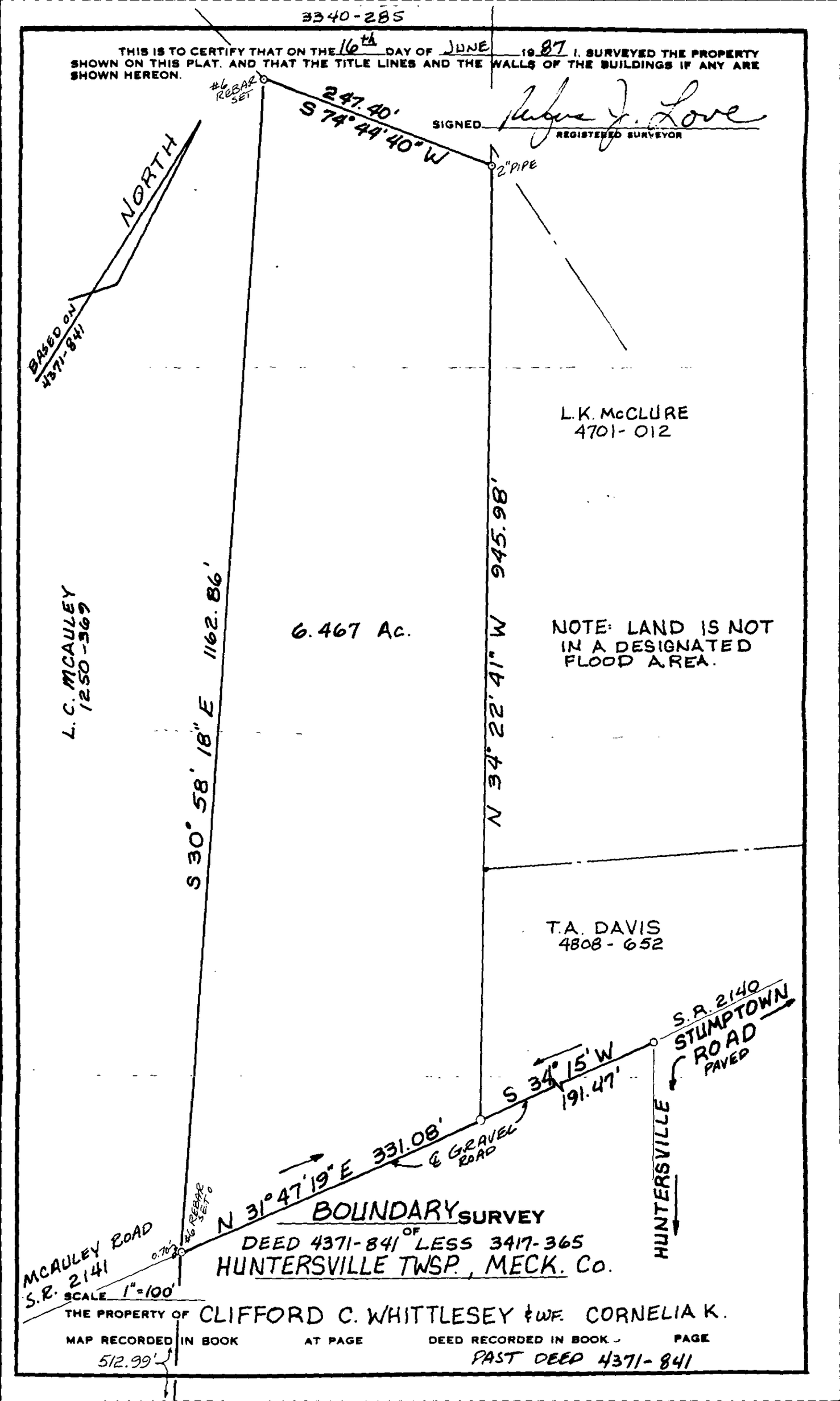
Willard Ramsey
Soil Scientist

WR:cg

3340-285

THIS IS TO CERTIFY THAT ON THE 16th DAY OF JUNE 1987 I, SURVEYED THE PROPERTY SHOWN ON THIS PLAT. AND THAT THE TITLE LINES AND THE WALLS OF THE BUILDINGS IF ANY ARE SHOWN HEREON.

SIGNED Regina J. Love
REGISTERED SURVEYOR



BOUNDARY SURVEY

DEED 4371-841 OF LESS 3417-365

HUNTERSVILLE TWSP., MECK. Co.

SCALE 1" = 100'

THE PROPERTY OF CLIFFORD C. WHITTLESEY & WF. CORNELIA K.

MAP RECORDED IN BOOK AT PAGE DEED RECORDED IN BOOK PAGE

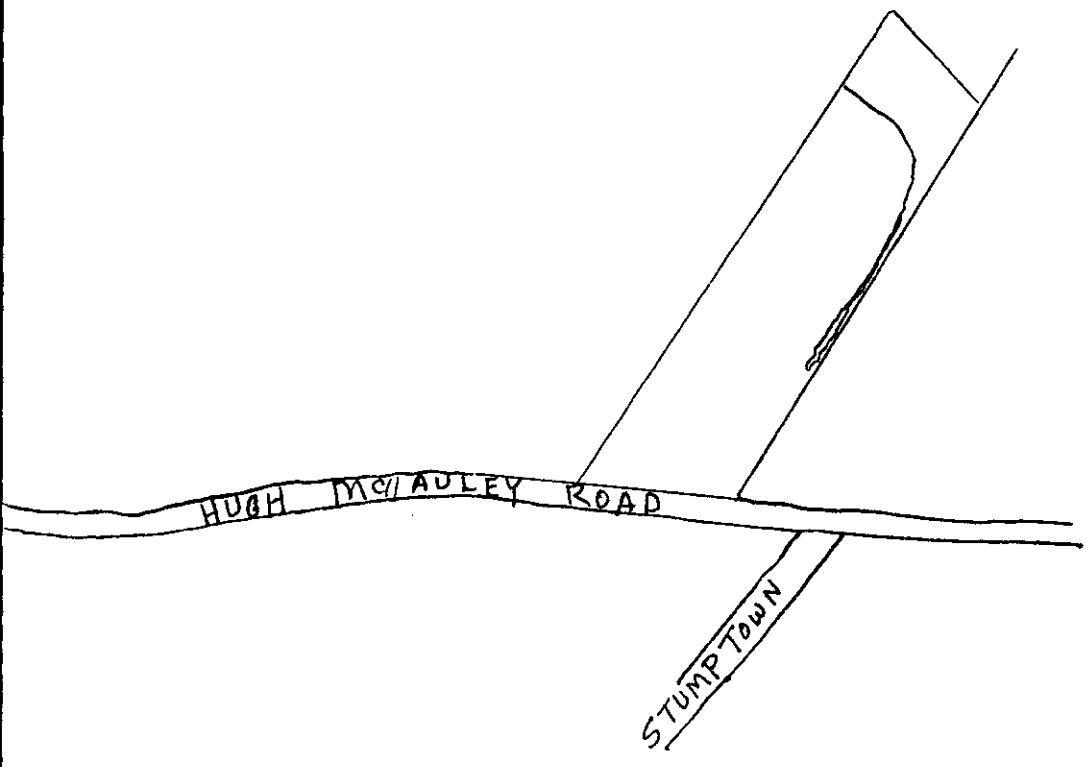
512.99'

PAST DEED 4371-841

☐ SOILS PREDOMINANTLY ACCEPTABLE FOR SEPTIC TANK SYSTEMS.

☐ SOILS PREDOMINANTLY UNACCEPTABLE FOR SEPTIC TANK SYSTEMS.

TAX CODE 09-071-02



Willard B. Ramsey, Soil Scientist