

19919 STOUGH FARM RD

00141222

6/6/2007

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

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CERTIFICATE OF COMPLETION/OPERATION PERMIT

PANEL Block

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

FILE: 5849-A DATE: 1/9/92

TC: 001-421-22 ☒ L ☐ CRT

SERIAL Nº 13986

Name of Owner Ricmar Homes, Inc. (Bldr.) Juris.:

Address of Property 19919 Stough Farm Rd. (Lot 57)

Inspection Data:

Tank Material PCC

Total Length of Drainfield 246' panels

Number of Lines 3 @ 82'

Cover Depth 4"-6"

Water Supply Source P/well

Distance to Water Source >50'

Excavation Inspected Y

Tank(s) Inspected Y, Y

Wash Line Inspected —

High Water Alarm Inspected installed

PLOT

Design: 1,500 ST, 1000 PT, PI, mod. 492'SFP, 24" sand CTR# 84
CECIL like

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 PANEL

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: 3 bedrm. panel block sys. (3) 2'x82'x24" sand. 1 hrs. liberty pump. Owners cautioned about driving over septic system or installation of sprinkler systems.

STV

Tim Whittaker, R.S.
Environmentalist

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

PANEL block

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR PERMIT

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

FILE: 5849-A DATE: 1/6/92

TC: 001 421 22 ϕ/L

SERIAL Nº 13870

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 7/16/90. All work shall be completed on or before 2/6/92, 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 Health Department 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.

* INSTALL PANEL Block
According to APPROVED PLANS.

PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1,500 gallons

Liquid Capacity of Dosing Tank 1,000 gallons

Tank Construction PCC

Absorption and/or Nitrification Lines:

Trench Width 2' feet

Total Line Length 246' PANEL feet

Number of Lines 3 (82')

Depth of ~~Stone~~ Sand 24" inches

Distance from House 15' feet

Distance from Property Line 10' feet

Distance from Well >50' feet
installed

NAME OF OWNER Ricmar Homes

LOCATION OF PROPERTY 19919 Stough Farm Rd. (Lot 57)

Comments: 3 bedrm. Tanks to be minimum of 15' from lowest floor, 10' from property line, greatest distance attainable from proposed pool. Sleeve 3' PVC on 2" service line.

Division or Section Head

Tim Whittaker, 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 Mecklenburg County Health Department in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

Mecklenburg County
Health Department

February 12, 1991

Mr. Karl G. Schnelliger
127 Hideaway Graham Road
Denver, NC 28037

RE: Property located at 19919 Stough Farm Road
FILE: 5849A
PARCEL: 001-412-22

Gentlemen:

Receipt of your plans for a modified waste disposal system for the property referenced above is acknowledged.

Your plans for the modified system for the above property as submitted are approved with the following comments:

- The well should be located 100 feet or no less than 50 feet away from any part of the sewage disposal system and repair area.
- Water saving plumbing devices and low flush toilets should be installed when constructing the residence.
- Occupants to utilize maximum water conservation measures wherever possible.
- Effectively rake and lime all trench sidewalls
- Landscaping of repair area to be undisturbed. No grading, shaping, or altering in anyway.

Upon execution and recording with the Register of Deeds Office, Mecklenburg County, of the enclosed "Septic Tank Agreement Form", an Improvements Permit may be issued by this office.

Sincerely,

Gene Vaughan, R.S., Supervisor
Individual Water and Wastewater Systems

GV/kjb

Enclosures - 3 Septic Tank Agreement Forms

Environmental Health Division
1200 Blythe Boulevard • Charlotte, North Carolina 28203 • (704) 376-4603

Septic Proposal Lot 57 Patrick's Purchase

The system is designed for a 3 bedroom house. The initial system will be three 82' lines, and the repair system will be two 82' lines. The initial system will include 41' of the repair area as this area is attached to the end of an original line. This is shown in black on the layout.

The T & J Panels will be pressurized through 1½" pvc with 2' of head each line. There will be one 5/32" diameter hole in each panel. There will be one ball valve at the head of each line. The panels will be installed as per manufactures standards otherwise.

200' Liner needed
246' Liner installed
164' Repair Set Aside - Additional
46' Primary Authorized

File # 3849A

Layout & Approved 1-15-91
Calculations Approved 1-23-91
note: Format Does Not Typically Include Layout Prior to Calculations

Final Approval 1-23-91

Calculations
Initial System

Line	Length	#Panels	#Holes	Flow per hole	Flow per line
A	82'	19	19	0.41	7.79 gpm
B	82	19	19	0.41	7.79 gpm
C	82	19	19	0.41	7.79 gpm
Totals:	246'	57			23.37 gpm

Repair System

Line	Length	#Panels	#Holes	Flow per hole	Flow per line
D	82'	19	19	0.41	7.79 gpm
E	82	19	19	0.41	7.79 gpm
Totals:	164'	38			15.58 gpm

Initial System Claculations

Data: Supply line length --- 185'
Elevation Head (includes 2' head) --- 22'
Total Flow --- 23.37 gpm
#panels 57

Calculations: Friction Head = $\frac{1.10}{100}$ x 172 = 1.89 ft
Add 20% for fittings = 1.89 + .38
Total Friction Head = 2.27 ft.

Total Head = Elevation + Friction

Total Head = approximate 22 + 2.27

Total Head = 24.27 ft

4 gallons/cycle

Dose = 3.6 gals x 57 panels

Dose = 205.2 gals

Note: Since there will be a check valve installed the supply line Volume is not a factor in dosing.

Float Stroke = 205.2 gals ÷ 22 gal/inch

Float Stroke = 9.32 inches

Calculations

Repair system

Data:
Supply line length -- 142'
Elevation Head (includes 2' Head) -- 19'
Total Flow -- 15.58 gpm
#Panels -- 38

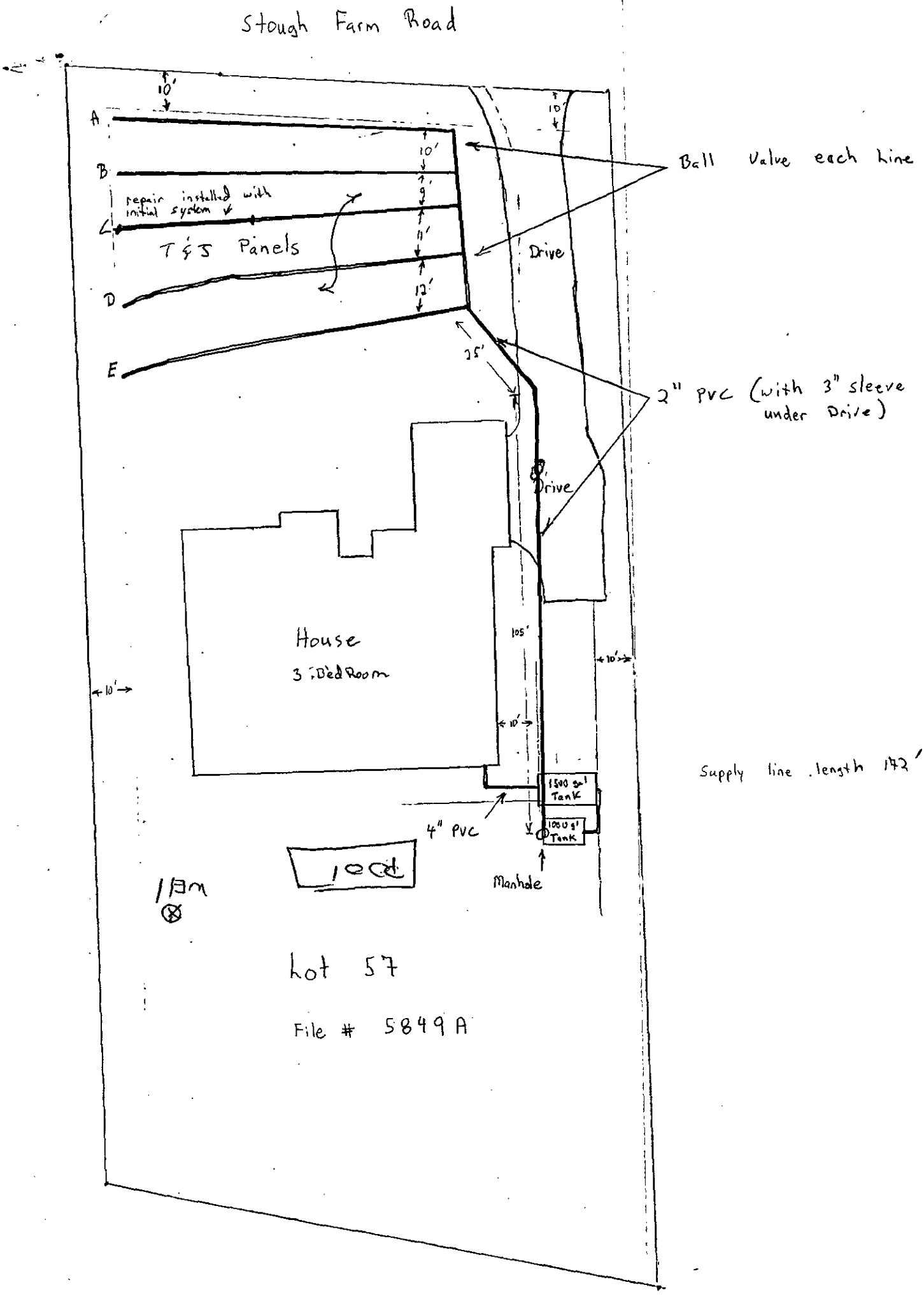
Calculations: Friction Head = $\frac{0.50}{100}$ x 142

Friction Head = 0.71 ft.
Add 20% for fittings = 0.71 + 0.14
Total Friction Head = 0.85 ft

Total Head = Elevation + Friction
Total Head = 19 + 0.85
Total Head = 19.85 ft

Dose = 3,6 gals x 38 panels
Dose = 136.80 gals

Float Stroke = 136.80 gals ÷ 22 gals/inch
Float stroke = 6.22 inches


Stough Farm Road
10'
A
B
C
D
E
10'
9'
11'
12'
repair installed with initial system
T & S Panels
Drive
Ball Valve each line
25'
2" PVC (with 3" sleeve under Drive)
Drive
House
3 Bed Room
105'
10'
10'
10'
1500 gal Tank
1000 gal Tank
4" PVC
Manhole
Supply line length 142'
well
Lot 57
File # 5849A
Scale 1:30

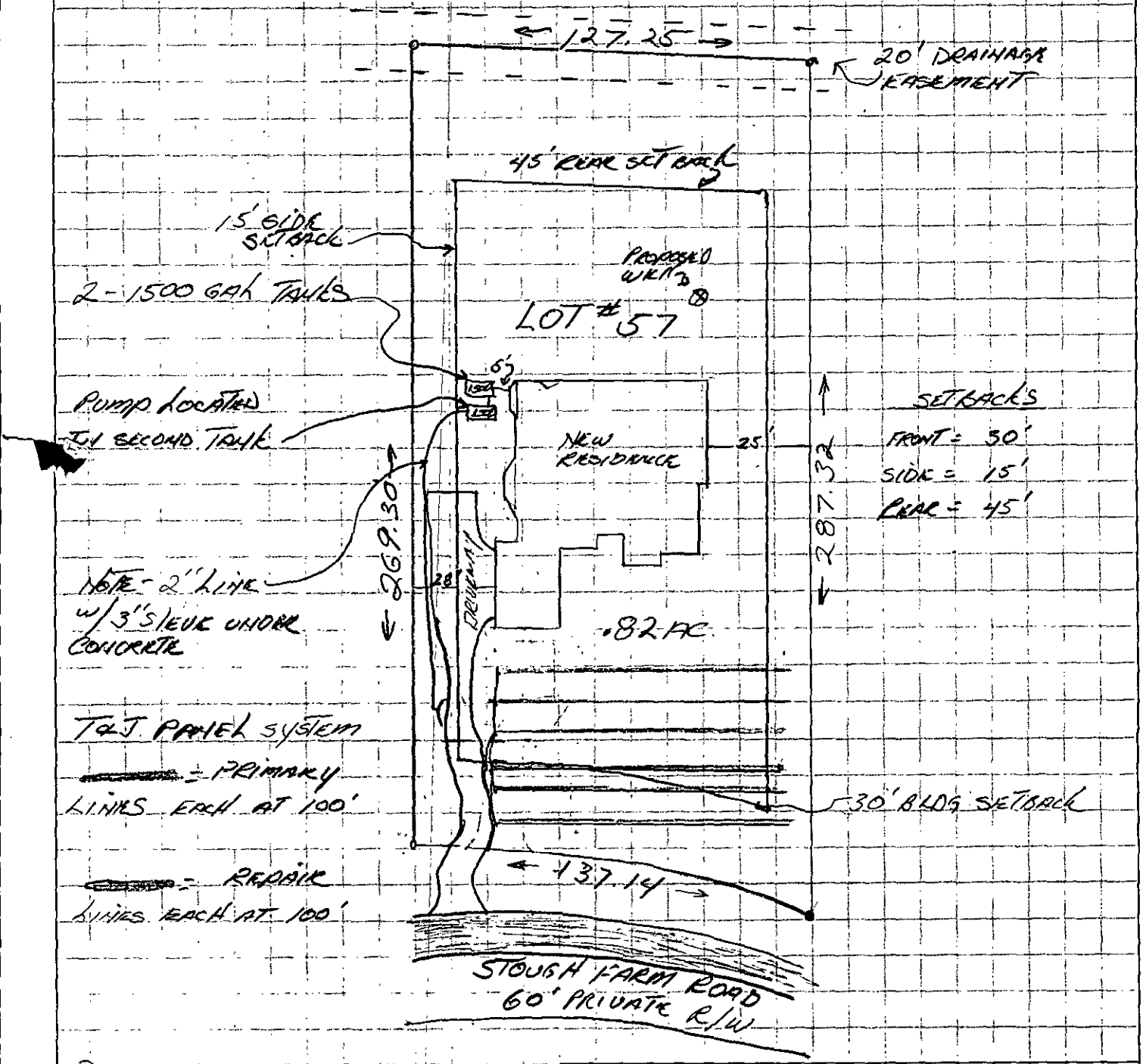
PROPOSED PLOT PLAN

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

FILE: 58494

TC: 001-421-22

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.



RICMAR CUSTOM HOMES INC

Signed: By Fred Beck

Date: July 8, 1990

BK: 06445 PG: 0468/0468 #:0269 6.00

REGISTERED JAN/31/1991 03:26PM ANNE A. POWERS REGISTER OF DEEDS MECK. CO. N.C.

FILE NO. 3849A

COPY

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)

The undersigned, Karl G. Schnellinger and wife, Deborah M. Schnellinger

owner of property located at 19919 Stough Farms Road, Huntersville, NC 28078

(the site") and described in an instrument recorded in Book 6312 at Page 495, 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 as 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 finding 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, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction such system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employed officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatever 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 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 intend.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the proper index in the name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons having any right, title, or interest in the site.

This 31st day of January, 1991.

Karl G. Schnellinger (SEAL)

Deborah M. Schnellinger (SEAL)

Drawn By and Mail To: [illegible] HASTY, MONTEITH, [illegible] Center (Box 55) Charlotte, North Carolina 28282

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, Pat Toler, a Notary Public for said County and State, do hereby certify that Karl G. Schnellinger and Deborah M. Schnellinger personally appeared before me this date and acknowledged the execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 31st day of January, 1991.

PAT TOLER NOTARY PUBLIC CATAWBA COUNTY, N.C.

Pat Toler
Notary Public

Commission Expires: 2/25/93

STATE OF NORTH CAROLINA
[illegible] 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

Commission Expires: _____

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: 5849A
TC: 00141222
SERIAL: № 17425 ☐ L ☑ CRT

JOB LOCATION

① ADDRESS: 19919 STOUGH FARM ROAD (STREET NO. / STREET) ② FILE: 5849A
③ JURISDICTION: MECKLENBURG ④ TAX PARCEL NO.: 00141222
⑤ SUBDIVISION: PATRICKS PURCHASE ⑥ LOT: 57 ⑦ BLOCK:

OWNER

⑧ NAME: KARL (FIRST) G. (MIDDLE) SCHWELLBER (LAST)
⑨ MAILING ADDRESS: 127 HIDEAWAY GRAHAM RD.
⑩ CITY: DENVER ⑪ STATE: N.C. ⑫ ZIP: 28037
⑬ PHONE: (WORK) 392-1152 ⑭ (HOME) 483-5505

REQUEST

This request is for a(n):

⑮ ☒ New permit
⑯ ☐ Repair or alteration permit
⑰ ☐ Authorization for mobile home exchange
⑱ ☐ Other (specify) _____

DESIGN CRITERIA

System will serve:

⑲ ☒ Residence ⑳ ☐ Mobile home
㉑ ☐ Business or place of public assembly
㉒ Number of bedrooms? 3
㉕ Type? _____
㉓ Maximum occupancy? _____
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: _____
Date: 7-16-90

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.

Environmentalist _____ Date 2-12-91
Director or Authorized Section Head _____ Date

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

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

CHARGE SLIP

Date: 7-17-90

Name/Company: Karl G. Schnellinger

Sanitation _____

Vector Control _____

O.P.W.D. ✓

Service: Application for Tank

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAID
JUL 17 1990

FA 5849 [illegible]

CR# 602
$200.00

Fee: $ 200.00

NOTICE:

A processing fee of $15.00 will be charged for all returned checks in accordance with N.C. General Statute 25-3-512.

Completed by

Collected by

3009

APPLICATION FOR SOIL INVESTIGATION

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

(OFFICE USE ONLY)

FILE: 5849A

TC: _____

☐ PC ☐ REPT

See 5839A for chase slip

JOB LOCATION

① ADDRESS: 19919 STOUGH FARM RD, HUNTERSVILLE, N.C. 28078

② SUBDIVISION: PATRICKS PURCHASE PHASE II ③ LOT: 57 ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: _____ PAGE NO.: _____ PARCEL NO.: 001-412-22

⑥ DEED REFERENCE: BOOK NO.: 5123 PAGE NO.: 663

OWNER

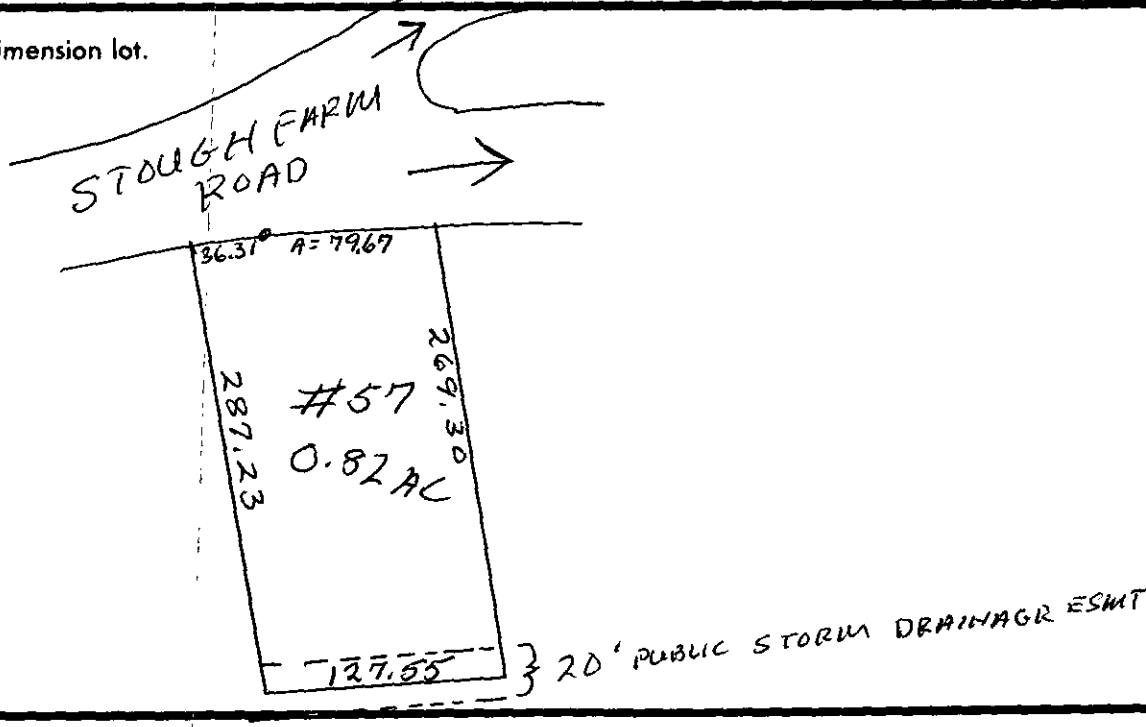
⑦ NAME: STOUGH FARM DEVELOPMENT CO
WILLIAM AUBREY KIMBROUGH
(FIRST) (MIDDLE) (LAST)

⑧ MAILING ADDRESS: 19529 WEAVERS CIRCLE

⑨ CITY: HUNTERSVILLE ⑩ STATE: N.C. ⑪ ZIP: 28078

⑫ PHONE: (WORK) 892 3683 (HOME) 892 3683

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

Signed: William A. Kimbrough

Date: 6-22-89

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

WHITE - HEALTH DEPARTMENT'S COPY • CANARY - ENVIRONMENTALIST'S COPY • PINK - OWNER'S COPY

Mecklenburg County
Health Department

Basil G. Deltu, M.D., M.P.H.
Health Director

July 19th, 1989

William Kimbrough
19529 Weavers Circle
Huntersville, NC 28078

RE: Property located at 19919 Stough Farm Rd.
FILE: 5849A
PARCEL: 00141222

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 16231) 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.

Very truly yours,

Jim Ericson, R.S., Supervisor
On Premises Waste Disposal & Water Supply

Enclosure

Environmental Health Division
1200 Blythe Boulevard • Charlotte, North Carolina 28203 • (704) 376-4603

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER 16231

File: 5849A Action 1

Parcel: 00141222 ☐ PC

Location: 19919 Stough Farm Rd.

Subdivision:

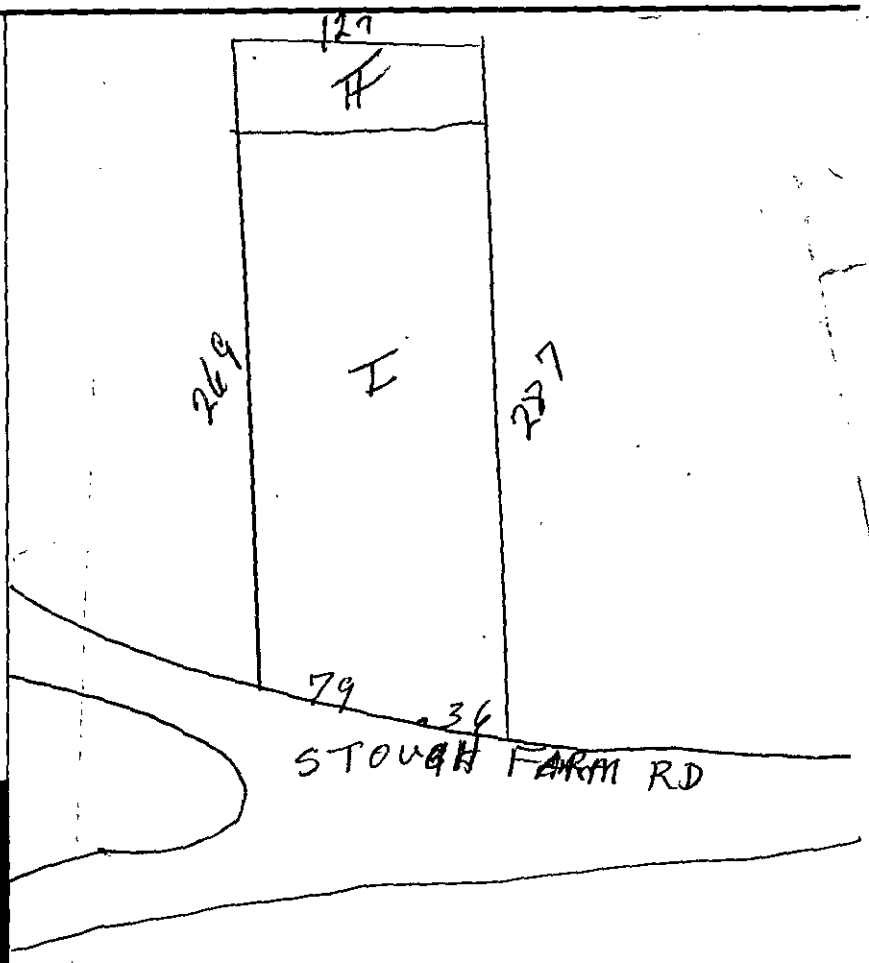
Lot: Block: Acres: .82

Owner: William Kimbrough
Address: 19529 Weavers Circle
Huntersville, NC 28078

Comments: _____

Described by: _____

Date: _____



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

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

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	S (PS) U 4-7	S (PS) U 2-4	S PS U	S PS U	S PS U	S PS U
Texture	S (PS) U	S PS (U)	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U	S PS (U)	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U	S PS (U) Drainageway	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U 40-47	S PS (U) Various	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U	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	IVe Cecil	IVe Helena				
Area Classification	S (PS) U	S PS (U)	S PS U	S PS U	S PS U	S PS U