Serial No. 6611

SIR No. 20145

T. C. No. [illegible] 111-231-25

Date Issued 12-9-[illegible]

Map Date [illegible]

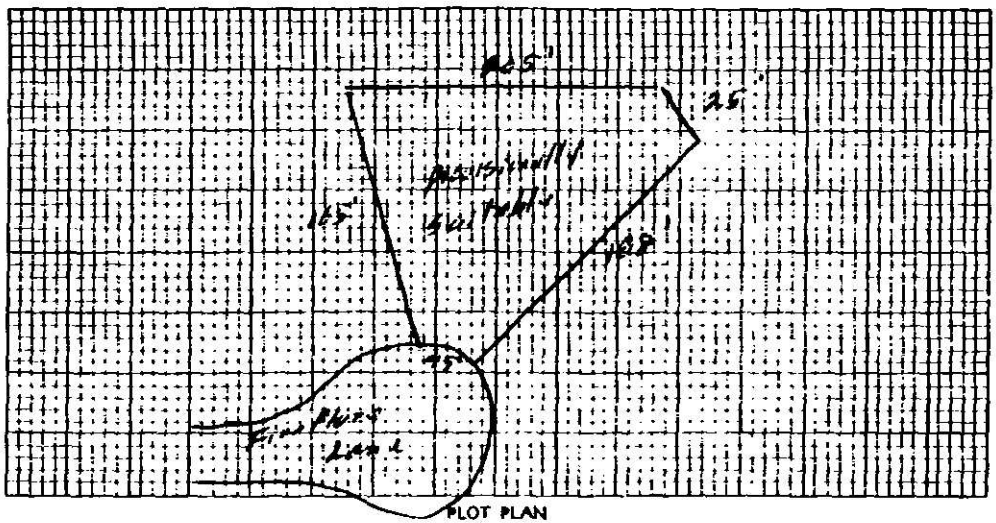
MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
SOIL INVESTIGATION REPORT

NAME OF OWNER [illegible] Homes, Inc.
LAST FIRST MIDDLE

ADDRESS OF OWNER 11007 Harrisburg Rd., Charlotte, NC ZIP [illegible]

LOCATION OF PROPERTY [illegible] Fireplace Lane
STREET OR COUNTY ROAD

SUBDIVISION [illegible] LOT NO. 21 BLOCK NO. [illegible]



PLOT PLAN

This is to certify that a soil investigation and on-site investigation was made by the Mecklenburg County Department of Environmental Health on the lot described above. The said investigation was conducted on that portion of the lot as indicated on the above plot [illegible] SUITABLE.
The permeability rate determined by the investigation was [illegible]. The said lot is approved for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption effluent discharge subject to the following terms and conditions.

1. A permit to install, construct, alter or repair the specific system shall be obtained from the Mecklenburg County Department of Environmental Health prior to the beginning of any construction of building, or of the wastewater treatment system on the said lot.
2. The size of the septic tank wastewater treatment system which must be installed will be determined by the Mecklenburg County Department of Environmental Health prior to installation based on the permeability rate obtained above, and on the size and type of building constructed thereon.
3. This approval is valid only if the system is installed in the immediate area indicated as acceptable for system installation on the above plot.
4. This approval is void if any grading, filling or construction including the drilling of a well is performed on the lot which, in the opinion of the Mecklenburg County Department of Environmental Health, renders the area indicated as acceptable for system installation unsuitable for installation, construction, alteration, and/or repair of such a system.

This approval is granted based on the laws of the State of North Carolina and the rules and regulations of the North Carolina Department of Human Resources, Division of Health Services and the Mecklenburg County Health Commission which were in effect on the date of issuance and is void if at any time in the future, prior to completion of the system, these laws, rules and regulations are changed such that this approval would not have been granted had the new or revised laws, rules, and regulations been in effect on the issue date.

William B. Marlin
Soil Scientist

Environmental Health Director or
Authorized Section Head

EHD-876

Environmental Health Department's Copy

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20145

T.C. NO. 80111-031-25

(Ground Absorption Sewage Disposal)

OWNER: D.C. Roberson Co. Inc.
ADDRESS: 1007 Harrisburg Road Charlotte, N.C. 28215
LOCATION OF SITE: Fireplace Road

PLAT NO: Lot 31
LOT SIZE: Approx. 3 A

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) 6-15% 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) 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) 36"+ U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S 36"+ to (PS) ~~Sandrock~~ U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S >36" to (PS) ground water U	S PS U	S PS U	S PS U
7. OTHER (Specify)	S PS Limited Area U 2-c Note	S PS U	S PS U	S PS U
8. SOIL GROUP	1 V A			
9. SITE CLASSIFICATION	Provisionally Suitable			
10. SOIL SERIES	Cecil-like			

S - Suitable PS - Provisionally Suitable U - Unsuitable

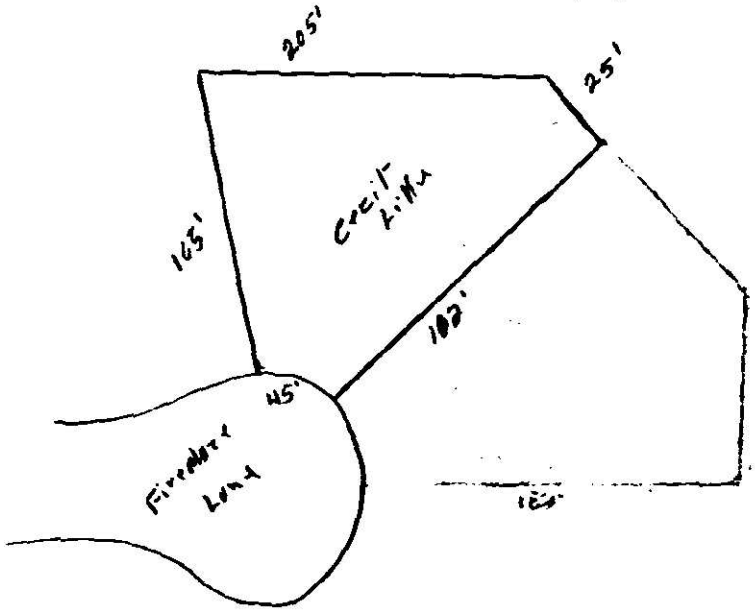
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: Limited area, recommend plans be submitted for house, system etc locations

Described by: William A. Maulin
Title: Soil Scientist

Date: 10-7-85

4


205'
25'
165'
Cecil Little
102'
45'
Firedore Land

BK: 06347 PG: 0677/0677 #:0181 6.00

REGISTERED SEP/11/1990 02:14PM ANNE A. POWERS REGISTER OF DEEDS MECK. CO. N.C.

COPY

FILE NO. 20145

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 .1940(c)

The undersigned, JOHN DAVID SWINEA

owner of property located at 10006 FUCSIDE LANE · CHARLOTTE, NC 28215

("the site") and described in an instrument recorded in Book 6240 at Page 650, 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 .1940(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 .1940(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 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 master 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 11 day of September, 1990.

John David Swinea (SEAL)

(SEAL)

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, Marlene Wise, a Notary Public for said County and State, do hereby certify that John David Swinea personally appeared before me this date and acknowledged the execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 11th day of September, 1990.

Marlene Wise
Notary Public

Commission Expires 3-15-93

200 82

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: 20145

TC: 111-031-25

SERIAL: № 20020 ☐ L ☒ CRT

JOB LOCATION

① ADDRESS: 10006 (STREET NO) FIRESIDE (STREET) ② FILE:

③ JURISDICTION: ④ TAX PARCEL NO.:

⑤ SUBDIVISION: ⑥ LOT: 31 ⑦ BLOCK:

OWNER

⑧ NAME: MUTUAL SAVINGS + LOAN (FIRST) (MIDDLE) / David Swinea (LAST) 536-5235

⑨ MAILING ADDRESS: 330 S. TRYON ST

⑩ CITY: CHARLOTTE ⑪ STATE: NC ⑫ ZIP: 28202

⑬ PHONE: (WORK) 379-1782 ⑭ (HOME)

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? 3 ㉕ Type?

㉓ Maximum occupancy? 2 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: X Catherine P. Martin, AVP

Date: X 3/5/90

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

Director or Authorized Section Head / Date 9-2-90

*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: 3/7/90

Name/Company: David Swinea

Sanitation _____

Vector Control _____

O.P.W.D. ✓

Service: imp new
20145

ENVIRONMENTAL HEALTH DIVISION
PAID
MAR 7 1990

Fee: $ 200.00

Ck# 987
$ 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

Date: [illegible] 1990

From: [illegible] Systems
Rt [illegible] Box [illegible]
Stony Point, N.C. [illegible]

To: David [illegible]
[illegible] Pasecroft Drive
[illegible], N.C. [illegible]

536-5235

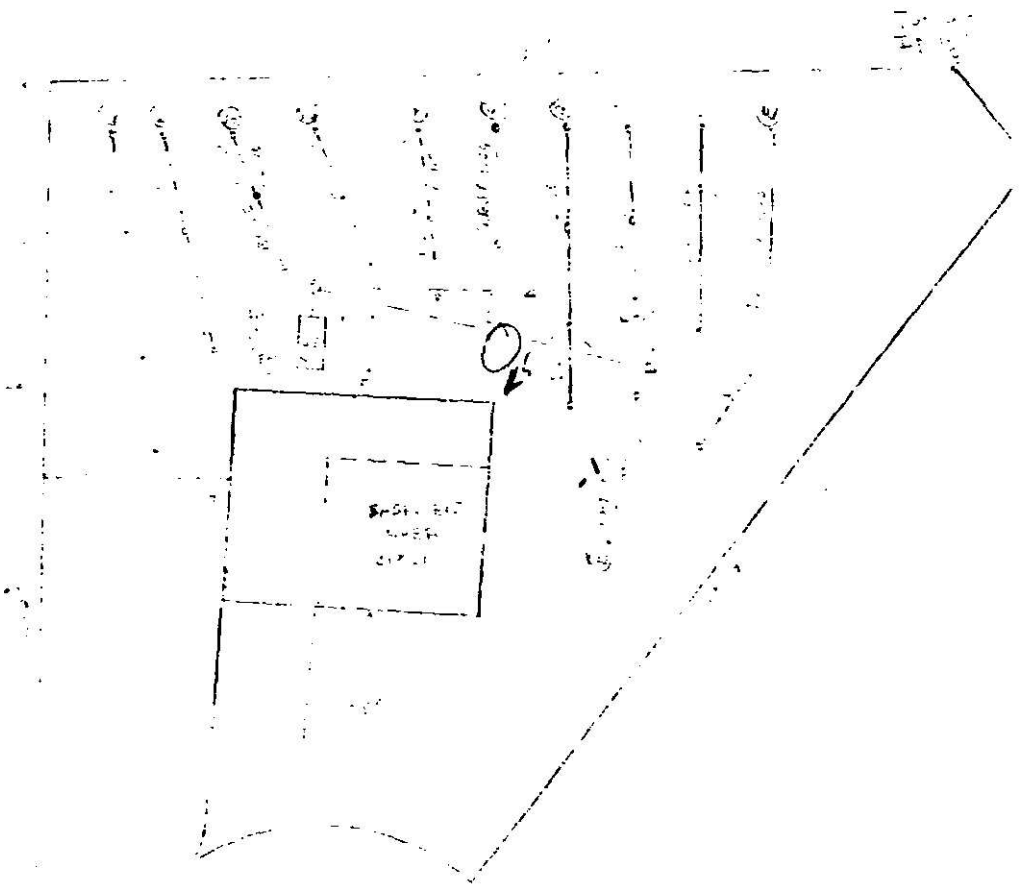
Subject: [illegible] Winterwood Estates
File # [illegible] 20145
Parcel [illegible]

System [illegible] Panel System with gravity
[illegible]

[illegible] is [illegible] for [illegible] three bedroom house at an [illegible] of conventional [illegible] multiplied by [illegible] of 16 inch [illegible] system [illegible] installed in accordance with [illegible] and [illegible] and regulations and in compliance manufacturer's installation guidelines. Still evaluation was supplied to the count

Line	# Panel	# Hole Per Panel	Size Hole	Line Head	Line Length	Hole Flow	Per min Line Flow
A	13				55 '		
B	7				30 '		
C	8				35 '		
D	9				40 '		
E	15				65 '		
G	repair				45 '		
H	repair				35 '		
I	repair				30 '		
J	repair				30 '		
K	repair				45 '		
L	repair				65 '		
Totals							
	52				225'		

MECK[illegible] Cour[illegible]
WI[illegible]
LOT 3[illegible] 20145
[illegible]



Serial No. 6611

Date Issued 10-9-[illegible]

T. C. No. PO 111-031-25

Map Date

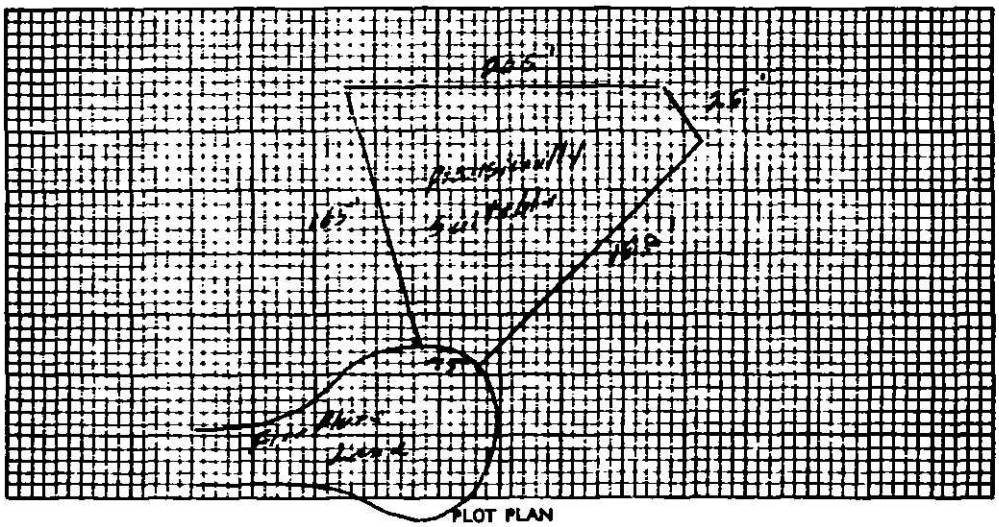
MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
SOIL INVESTIGATION REPORT

NAME OF OWNER [illegible] Co., Inc.
LAST FIRST MIDDLE

ADDRESS OF OWNER 13067 Harrisburg Rd., Charlotte, NC ZIP 28215

LOCATION OF PROPERTY Fireplace Lane
STREET OR COUNTY ROAD

SUBDIVISION _____ LOT NO. 31 BLOCK NO. _____



PLOT PLAN

This is to certify that a soil investigation and on-site investigation was made by the Mecklenburg County Department of Environmental Health on the lot described above. The said investigation was conducted on that portion of the lot as indicated on the above plot.

The permeability rate determined by the investigation was PROVISIONALLY SUITABLE. The said lot is approved for the installation of an individual septic tank wastewater treatment system with subsurface, soil absorption effluent discharge subject to the following terms and conditions:

1. A permit to install, construct, alter, or repair the specific system shall be obtained from the Mecklenburg County Department of Environmental Health prior to the beginning of any construction of buildings, or of the wastewater treatment system on the said lot.
2. The size of the septic tank wastewater treatment system which must be installed will be determined by the Mecklenburg County Department of Environmental Health prior to installation based on the permeability rate obtained above, and on the size and type of building constructed thereon.
3. This approval is valid only if the system is installed in the immediate area indicated as acceptable for system installation on the above plot.
4. This approval is void if any grading, filling, or construction (including the drilling of a well) is performed on the lot which, in the opinion of the Mecklenburg County Department of Environmental Health, renders the area indicated as acceptable for system installation unsuitable for installation, construction, alteration, and/or repair of such a system.

This approval is granted based on the laws of the State of North Carolina and the rules and regulations of the North Carolina Department of Human Resources, Division of Health Services and the Mecklenburg County Health Commission which were in effect on the date of issuance and is void if at any time in the future, prior to completion of the system, these laws, rules and regulations are changed such that this approval would not have been granted had the new or revised laws, rules, and regulations been in effect on the issue date.

William A. Martin
Soil Scientist

Environmental Health Director or Authorized Section Head

EHD-576

Environmental Health Department's Copy

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20145

T.C. NO. PO111-031-25

(Ground Absorption Sewage Disposal)

OWNER: D.C. Roberson Co. Inc.
ADDRESS: 1007 Harrisburg Road Charlotte, N.C. 28215
LOCATION OF SITE: Fireplace Insert

PLAT NO: Lot 31
LOT SIZE: Approx .50

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) 6-15% 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) 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) 36"+ U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S (PS) 7-36" to saprolite U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) 7-36" to ground water U	S PS U	S PS U	S PS U
7. OTHER (Specify)	S PS limited Area U see Note	S PS U	S PS U	S PS U
8. SOIL GROUP	IVA			
9. SITE CLASSIFICATION	Provisionally Suitable			
10. SOIL SERIES	Cecil-like			

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: Limited area, recommend plans be submitted for house, system site locations

Described by: William A. Madin
Title: Soil Scientist

Date: 10-7-85

4

UNITED CONCRETE PRODUCTS INC.

173 CHURCH STREET TEL. WALLINGFORD [illegible] TALESVILLE, CONNECTICUT [illegible]

FIG. 1 "DIPPER" has discharged & returned to fill position by flow from tank

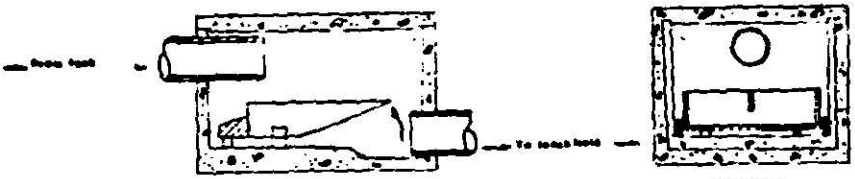


FIG. 2 Flow from tank resumes

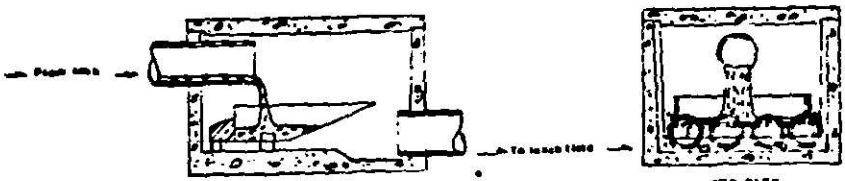


FIG. 3 "DIPPER" operates at full level of 3 gallons

#1

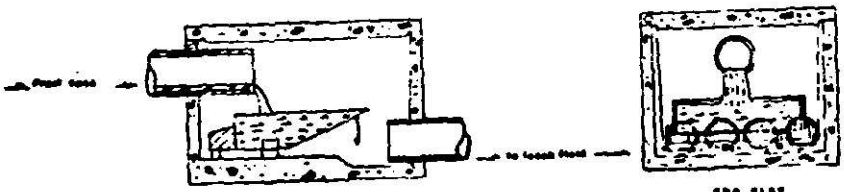
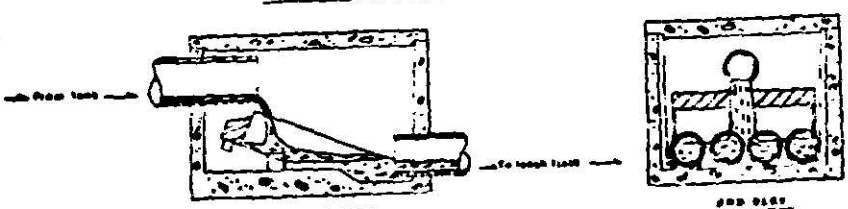


FIG. 4 "DIPPER" drops forward, discharging 3 gallons in 1 [illegible] into the gallon hose

#2





One Flow Divider Tee will divide effluent equally for two lines. This is used where two equal lines are needed.



Two Flow Divider Tees will divide effluent when all lines cannot be made equal. This will provide for 50% effluent to go into one line and each of the two other lines will get 25% of the effluent.

Put Septic Tank Effluent Into All the Lines



Three Flow Divider Tees will divide effluent for four equal lines. After the effluent is divided in halves at the first effluent tee, then it passes through the next effluent tee and divides the halves into quarters.

The septic tank fields are designed and constructed to precision expecting to receive the effluent properly divided. But with the old distribution box the outlets to release the effluent are about six or eight inches apart. This means that the distribution box must be perfectly level to function properly. Some of the failures of the distribution box are: one side may settle more than the other, and debris floating and blocking the entrance of effluent into the line. In either case the majority, if not all of the effluent will flow into one line resulting in premature failure of the septic tank system.

The Flow Divider Tee will split the effluent exactly into halves. If one side settles a little more than the other the effluent divider continues to hold to a position near the center of the fall and the difference will be minimized. If debris floats into the pipe and into the Flow Divider Tee it will be pushed out of the way by the flow of the effluent. The Flow Divider Tee will make a reasonably accurate division of the effluent under all these conditions.

If the designers, installers and inspectors are going to the trouble to see that all the septic tank fields are properly balanced with rock and pipe, shouldn't the effluent for all these fields be properly balanced?

The Flow Divider Tee is a quality product of molded PVC designed to meet Schedule 40 specifications. It will accept 4-inch Schedule 40 PVC Pipe at each end.

Manufactured By

FLOW DIVIDER COMPANY

10621 Six Forks Rd. Raleigh, N.C. 27614-8636

Phone (919) 847-5481

Mecklenburg County
Health Department

August 30, 1990

Mutual Savings & Loan
330 S. Tryon St.
Charlotte, NC 28202

RE: Property located at 10006 Fireside
FILE: 20145
PARCEL: 111-031-25

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
On Premises Waste Disposal & Water Supply

GV/kat

Enclosures - 3 Septic Tank Agreement Forms

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

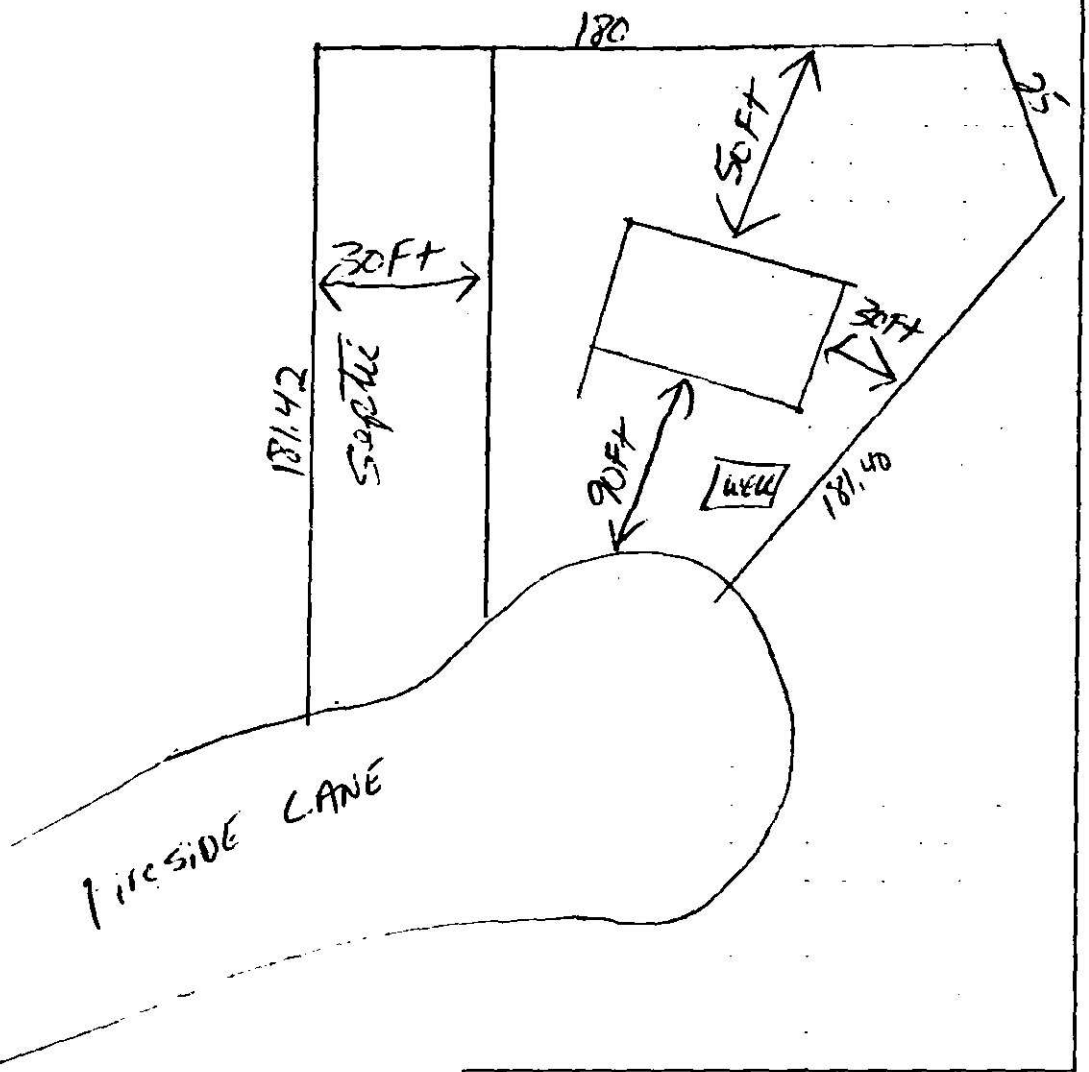
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4803

FILE: 20145

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.



APPROVAL DATE _____

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

DATE: 3/1/90

TO: HEALTH DEPARTMENT - ENVIRONMENTAL HEALTH

FROM: COUNTY ENGINEERING

EHD FILE _____ JURISDICTION CODE Meck

PARCEL NUMBER 111-311-06

ASSIGNED ADDRESS 10006 Fireside Dr

EXISTING ADDRESS _____

PROJECT NAME Winterwood Estates

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

	APPROVED	NOT APPROVED
1. SUBDIVISION REGULATIONS	☐	☐ *
2. FLOODWAY REGULATIONS	☐	☐ *
3. EROSION CONTROL REGULATIONS	☐	☐ *
4. COMMERCIAL DRAINAGE PLAN	☐	☐ *

	PRESENT	NOT PRESENT
5. PUBLIC UTILITY EASEMENT	☐ *	☐
	YES	NO
6. PROPERTY FRONTS ON THOROUGHFARE	☐ *	☐
	YES	NO
7. DRIVEWAY PERMIT REQUIRED	☐ *	☐

* If checked, further investigation will be required to determine whether a building permit may be issued by Building Standards for the site.

REMARKS: Septic tank

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

SIGNED: Rob

OPWEAR 02/86

Street Address Assignment

600 N Tryon

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR PERMIT

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

FILE: 20145 DATE: 2-5-91

TC: 111-031-25 ☐ L

SERIAL № 14775

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 3-5-90. All work shall be completed on or before 3-5-91, 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.

see details for T + J panel

Fireside Ln.

PLOT OF SYSTEM

Liquid Capacity of Septic Tank _____ gallons

Liquid Capacity of Dosing Tank _____ gallons

Tank Construction _____

Absorption and/or Nitrification Lines:

Trench Width _____ feet

Total Line Length _____ feet

Number of Lines _____

Depth of Stone _____ inches

Distance from House _____ feet

Distance from Property Line _____ feet

Distance from Well _____ feet

NAME OF OWNER David Swinea

LOCATION OF PROPERTY 10006 Fireside Ln.

Comments: _____

_____ Division or Section Head

B.K. Ferguson 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.

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