Date Received 3-1-84

MECK CO DEPARTMENT OF
RECEIVED
ENVIRONMENTAL HEALTH

SIR No. 20708
PC
T C. No 231-111-04

Map Date 8/83

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Providence Woods Inc.
(LAST, FIRST, MIDDLE)

2) ADDRESS OF OWNER 1740 E. Independence Blvd. Charlotte NC 28205
(ZIP)

3) PHONE NO. Home _____ Office 704-372-2565

4) LOCATION OF PROPERTY County Court
(STREET OR COUNTY ROAD)

5) SUBDIVISION Providence Woods LOT NO 42 BLOCK NO. V

MAP BOOK NO _____ PAGE NO. _____

6) DEED REFERENCE DEED BOOK 4571 PAGE NO 693-694

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

Please see attached map

7) ACCURATELY DIAGRAM & DIMENSION LOT

J. P. Yarmon
OWNER Agent

EHD-5-76

ENVIRONMENTAL HEALTH DEPARTMENT'S COPY

COMMENTS

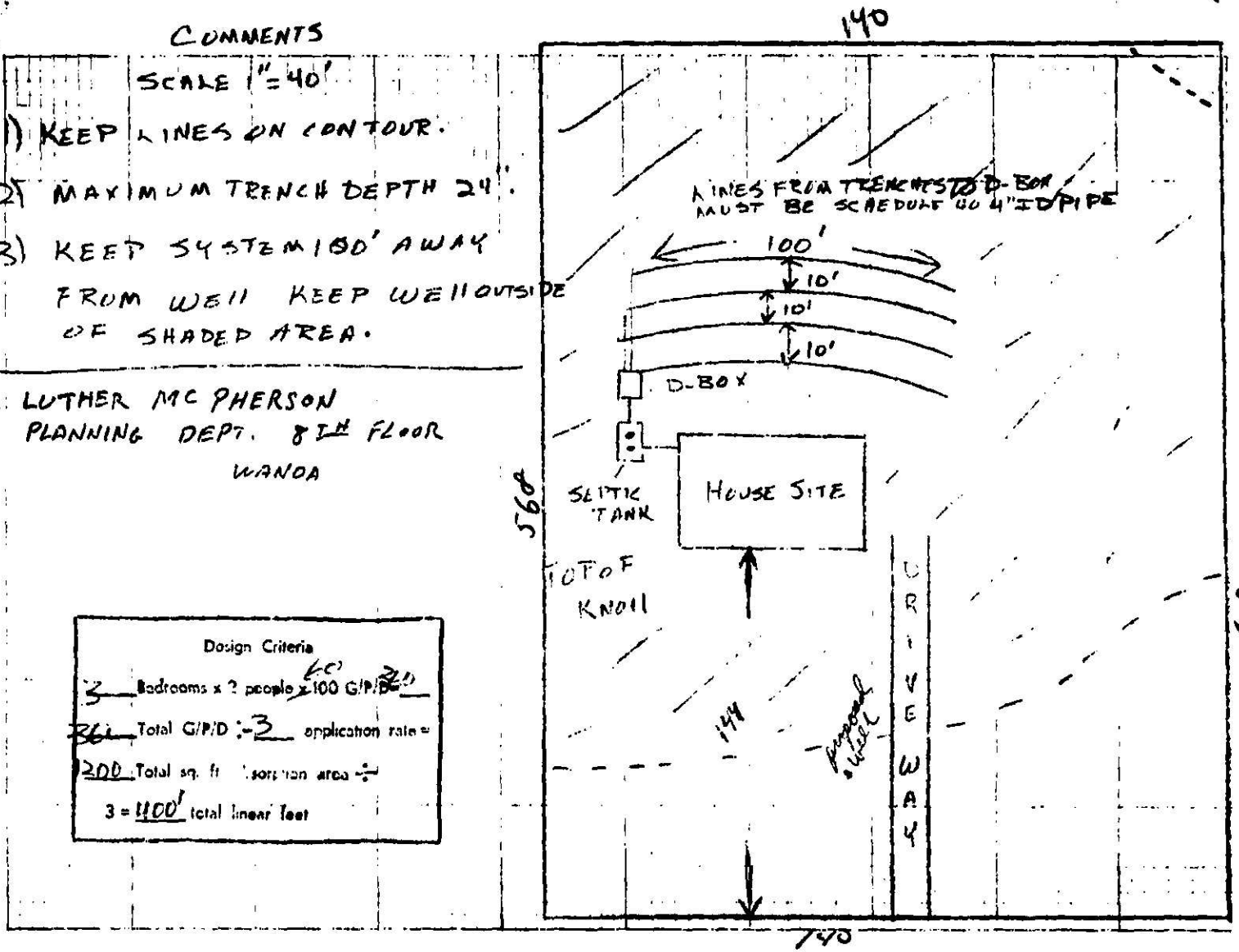
SCALE 1" = 40'

1) KEEP LINES ON CONTOUR.

2) MAXIMUM TRENCH DEPTH 24".

3) KEEP SYSTEM 100' AWAY FROM WELL KEEP WELL OUTSIDE OF SHADED AREA.

1R. LUTHER MC PHERSON
PLANNING DEPT. 8TH FLOOR
WANOA



Design Criteria

3 Bedrooms x 2 people x 100 G/P/D = 600

600 Total G/P/D ÷ 3 application rate =

200 Total sq. ft. absorption area ÷

3 = 1100' total linear feet

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 20 705

T.C. NO. AP 231-11-04

(Ground Absorption Sewage Disposal)

OWNER: Providence Woods Inc
ADDRESS: 11815 Providence Road
Charlotte NC 28205

PLAT NO: Lot 42-K
LOT SIZE: Approx 2 Acres

LOCATION OF SITE: North West

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U 2-10%	S (PS) U 2-10%	S PS (U) Complex Slopes	S (PS) U 2-10%
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S (PS) U Clay	S (PS) U 2-1 Clay	S (PS) U Clay	S (PS) U Clay
3. SOIL STRUCTURE (12-36 inches)	S (PS) U Blocky	S (PS) U Blocky	S (PS) U Blocky	S (PS) U Blocky
4. SOIL DEPTH (inches)	S (PS) U 30-40"	S PS (U) 24-30"	S PS (U) <36"	S PS (U) <36"
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S (PS) U 30"	S PS (U) <30"	S PS (U) <36"	S PS (U) <36"
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S (PS) U 30" To ground water	S PS (U) perched water <30"	S PS (U) Eroded Areas channeled	S (PS) U 30" To ground water
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	IVA	IVB	IVA	IVA
9. SITE CLASSIFICATION	Provisionally Suitable	unsuitable	unsuitable	unsuitable
10. SOIL SERIES	Cecil-Lake	Helena Lake	Rumple Steep	Parcelot Lake

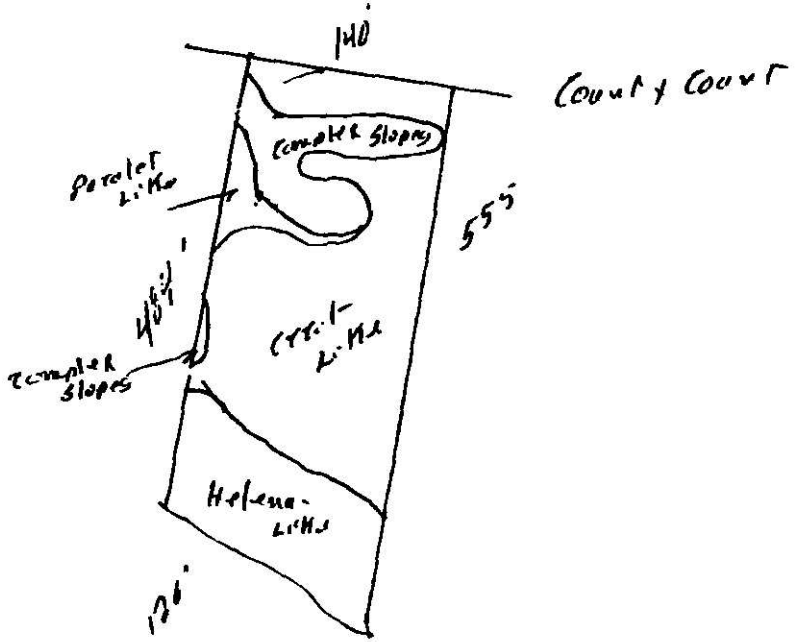
S - Suitable PS - Provisionally Suitable U - Unsuitable

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

Recommendations/Comments: _____

Described by: William A. Marlin
Title: Soil Scientist

Date: 7-5-84


140'
Count & Count
Complex Slopes
Parallel Lake
555'
480'
Crest Lake
Complex Slopes
Helena Lake
120'

Serial No. 5739

SIR No. 20708

T. C. No. P02237-111-04

Date Issued 7-6-84

Map Date L

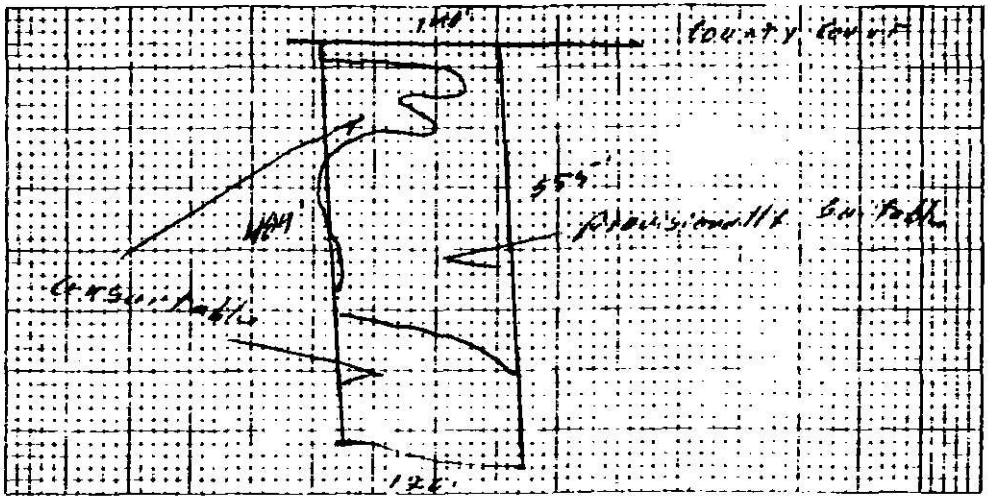
MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
SOIL INVESTIGATION REPORT

NAME OF OWNER Providence Woods, Inc.
LAST FIRST MIDDLE

ADDRESS OF OWNER 1740 E. Independence Blvd., Charlotte ZIP NC 28205

LOCATION OF PROPERTY County Court, Lot 42, Blk. 5
STREET OR COUNTY ROAD

SUBDIVISION LOT NO 42 BLOCK NO. 5



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. PROVISIONALLY 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. [illegible] Mecklenburg County Department of Environmental Health [illegible] wastewater treatment system on the said lot.
2. The [illegible] the Mecklenburg County Department of Environmental Health [illegible] and on the size and type of building [illegible]
3. The [illegible] system installation on the above plot.
4. The [illegible] on the lot which in the [illegible] indicated as acceptable for system installation [illegible]

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

Bill D. Hardister Jr.
Environmental Health Director or
Authorized Section Head

EHD-5-76

Environmental Health Department's Copy

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

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: 20708
TC: 231-112-02
SERIAL: No 11761

☐ L ☐ CRT

JOB LOCATION

① ADDRESS: 3724 (STREET NO) BOUNTY COURT (STREET) ② FILE:
③ JURISDICTION: ④ TAX PARCEL NO.:
⑤ SUBDIVISION: PROVIDENCE WOODS IV ⑥ LOT: 42 ⑦ BLOCK:

OWNER

⑧ NAME: JOHN (FIRST) JOSEPH (MIDDLE) KALNA (LAST)
⑨ MAILING ADDRESS: 126 MATTHEWS-PINEVILLE RD.
⑩ CITY: MATTHEWS ⑪ STATE: N.C. ⑫ ZIP: 28105
⑬ PHONE: (WORK) 847-3641 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? 5 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 DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: John J. Kalna
Date: 10/21/86

IMPROVEMENT PERMIT

The undersigned, an authorized agent of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH, 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

John A. Adkisson — 21 Oct 86
Director or Authorized Section Head — Date

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

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR PERMIT

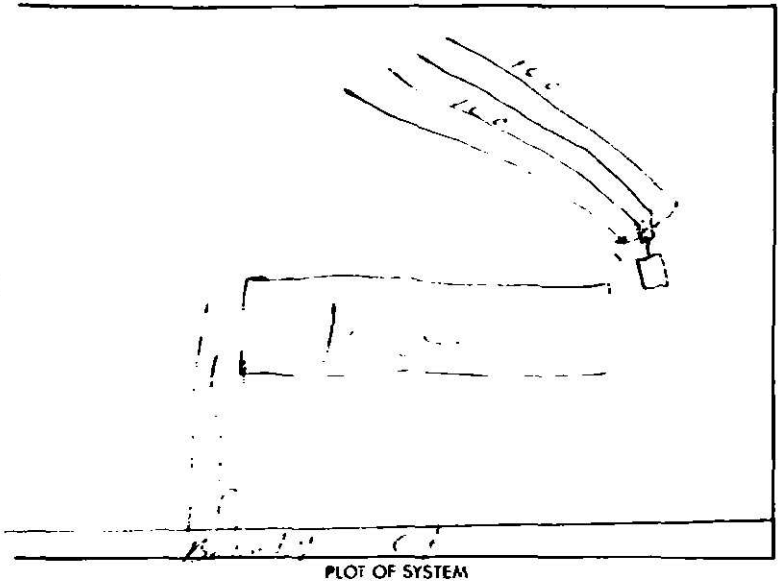
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 20708 DATE: 7-21-[illegible]

TC: [illegible] ☑ L

SERIAL № 11150

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 [illegible]. All work shall be completed on or before [illegible], 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.



PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank ____ gallons

Tank Construction [illegible]

Absorption and or Nitrification Lines:

Trench Width 7 feet

Total Line Length [illegible] feet

Number of Lines 4

Depth of Stone [illegible] inches

Distance from House [illegible] feet

Distance from Property Line [illegible] feet

Distance from Well [illegible] feet

NAME OF OWNER [illegible]

LOCATION OF PROPERTY [illegible]

Comments: [illegible]

[signature] Division or Section Head

[signature] 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

CERTIFICATE OF COMPLETION/OPERATION PERMIT

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

FILE: 20708 DATE: 7-28-87

TC: 231-112-02 ☑ L ☑ CRT

SERIAL № 10392

Name of Owner John J. Kalna Juris.:

Address of Property 3724 Bounty Ct.

Inspection Data:

Tank Material PCC

Total Length of Drainfield 400

Number of Lines 4 @ 100'

Cover Depth 12" to 24'

Water Supply Source Well

Distance to Water Source 750'

Excavation Inspected 7-28-87

Tank(s) Inspected 7-28-87

Wash Line Inspected —

High Water Alarm Inspected —

PLOT

Design: 1987, 1500ST, CCN, 1200SFT, 12G. CTR#

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:

[signature]
Environmentalist

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

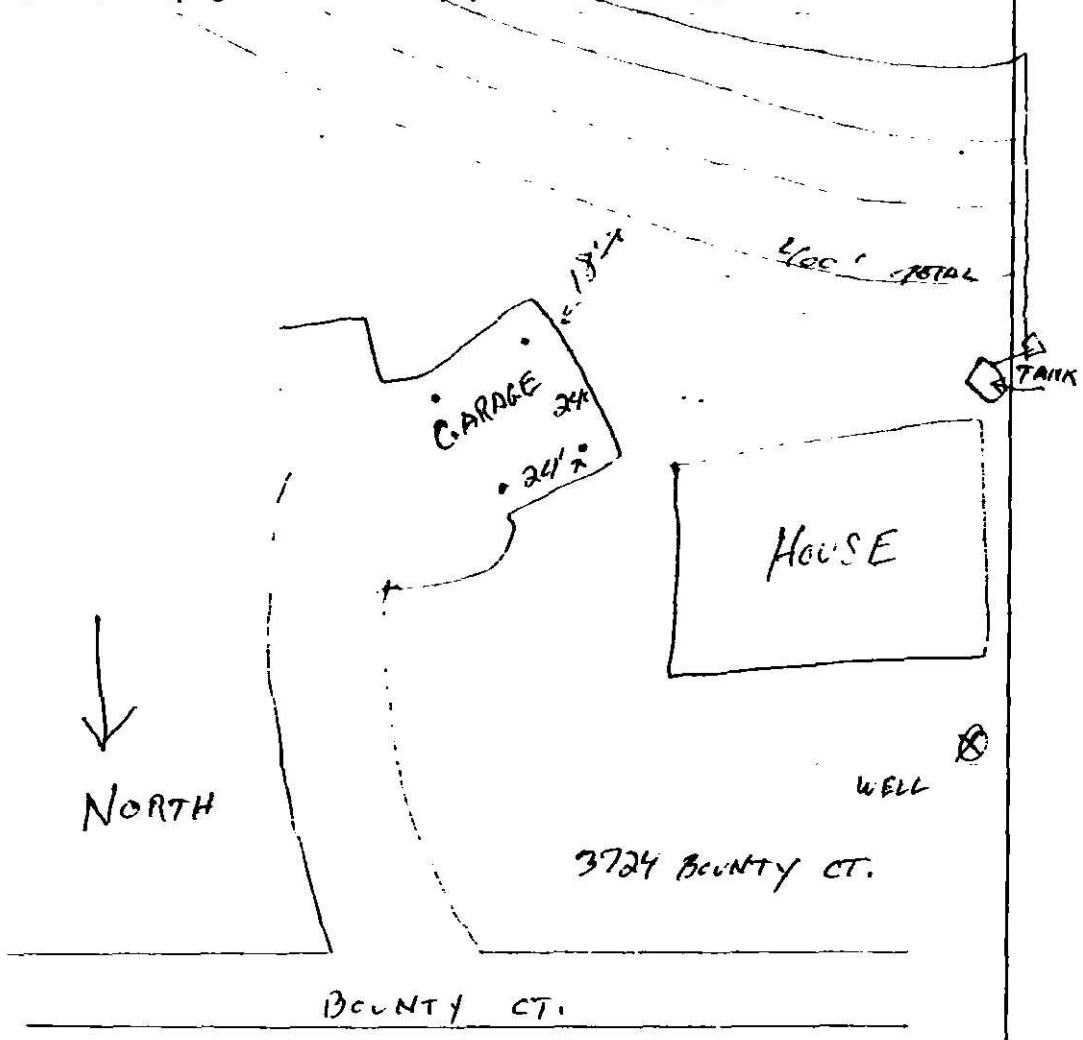
PROPOSED PLOT PLAN

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

FILE: 20708

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.



Signed: John Kalm

Date: 8/16/88

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAID
AUG 16 1988
CR#2546 Ew
$20.00 L ☑ CRT

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: 20708

TC:

SERIAL: № 16729

JOB LOCATION

① ADDRESS: 3724 (STREET NO) BOUNTY (STREET) CT. ② FILE:

③ JURISDICTION: ④ TAX PARCEL NO.: 231-112-02

⑤ SUBDIVISION: PROVIDENCE WOODS ⑥ LOT: #42 ⑦ BLOCK:

OWNER

⑧ NAME: JOHN (FIRST) J. (MIDDLE) KALNA (LAST)

⑨ MAILING ADDRESS: 3724 BOUNTY CT.

⑩ CITY: MATTHEWS ⑪ STATE: N.C. ⑫ ZIP: 28105

⑬ PHONE: (WORK) 846-8187 ⑭ (HOME) SAME

REQUEST

This request is for a(n):

⑮ ☐ New permit ⑰ ☐ Authorization for mobile home exchange

⑯ ☐ Repair or alteration permit ⑱ ☒ Other (specify) GARAGE

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? ~~3 cars~~ 4 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: John Kalna

Date: 8/16/88

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.

USE [illegible] System

Environmentalist Date

Jim Evans 8-14-88

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
Department of Environmental Health

LPI System Design File 20710

Line No	Hole Size	(Conv)	No. Holes	Head Press.	Flow/ Hole	Hole Spacing	Flow/ Line	Flow/ Foot	Line Length
1	5/32	0.16	10	2.0	0.41	5.0	4.07	0.081	50
2	5/32	0.16	9	2.2	0.43	5.7	3.84	0.077	50
3	5/32	0.16	8	2.4	0.45	6.7	3.57	0.071	50
4	5/32	0.16	7	2.6	0.46	8.0	3.25	0.065	50
5	5/32	0.16	6	2.8	0.48	10.0	2.89	0.058	50
6	1/8	0.13	9	2.1	0.27	5.7	2.40	0.048	50
7	1/8	0.13	8	3.0	0.32	6.7	2.55	0.051	50
8	1/8	0.13	7	3.2	0.33	8.0	2.31	0.046	50
9	1/8	0.13	10	2.0	0.26	5.0	2.61	0.052	50
10	5/32	0.16	9	2.2	0.43	5.7	3.84	0.077	50
11	5/32	0.16	8	2.4	0.45	6.7	3.57	0.071	50
12	5/32	0.16	7	2.6	0.46	8.0	3.25	0.065	50
13	5/32	0.16	6	2.8	0.48	10.0	2.89	0.058	50
14	1/8	0.13	9	2.1	0.27	5.7	2.40	0.048	50
15	1/8	0.13	8	3.0	0.32	6.7	2.55	0.051	50
16	1/8	0.13	7	3.2	0.33	8.0	2.31	0.046	50
			121				45.990		750

Same

entry error - Should be 5/32

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

R. C. S., Inc.

Septic Tank Installation & Service

Stafford Street
Post Office Box 708
Monroe, North Carolina 28110
Phones: 704-283-7539 or 376-9359

PROVIDENCE WOODS, INC.

LOT 43, SEC. 5, BOUNTY COURT, ADDRESS 3716 BOUNTY COURT

SIP NO. 20709

DAILY WASTE FLOW 360 GALLONS

SEPTIC TANK SIZE 1500 GALLONS

PUMP TANK SIZE 1000 GALLONS

EFFLUENT LOADING RATE .12 GAL/FT²/DAY

ABSORPTION AREA 3000 FT²

TOTAL LENGTH OF LATERALS 600 FT

LATERAL CONFIGURATION EXTENT LINES

SUPPLY LINE LENGTH 150 FT

SUPPLY LINE DIAMETER 2", SCH 40

MANIFOLD PLACEMENT SIDE

HOLE SIZE 5/32"

TOTAL FLOW 45.96 GPM

ELEVATION HEAD 14 FT

FRICTION HEAD 5.91 FT

PRESSURE HEAD 3 FT

TOTAL HEAD 22.89 FT

PUMP REQUIREMENTS 45.96 GPM, 22.89 FT OF HEAD

STORAGE VOL. IN LATERALS 1.4 GALLONS

STORAGE VOL. IN SUPPLY LINE 24.3 GALLONS

DOSING VOL. 294.3 GALLONS

DOSING DEPTH 8.64 IN.

CK. VALVE ? Yes