Date Received 8-15-84

RECEIVED
AUG 15 1984
ENVIRONMENTAL HEALTH

SIR No. 2135
T. C. No. 044-261-15
Map Date L

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER TAYLOR (LAST) Fred (FIRST) F (MIDDLE)

2) ADDRESS OF OWNER 8315 Kerrybrook Cir. ZIP

3) PHONE NO. Home 392-3421 Office 374-8177

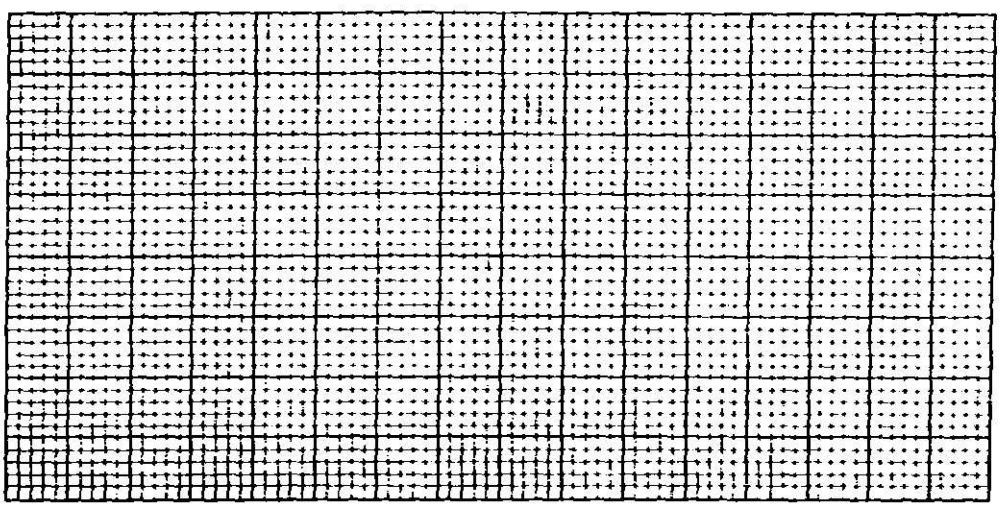
4) LOCATION OF PROPERTY Knollwood Circle (STREET OR COUNTY ROAD)

5) SUBDIVISION Knollwood Acres LOT NO. 2 BLOCK NO. 1

MAP BOOK NO. 7 PAGE NO. 803

6) DEED REFERENCE: DEED BOOK 1284 PAGE NO. 253

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



7) ACCURATELY DIAGRAM & DIMENSION LOT

Fred F Taylor
OWNER

EHD-5-76

Environmental Health Department's Copy

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21351

T.C. NO. 049-261-15

(Ground Absorption Sewage Disposal)

OWNER: FRED TAYLOR
ADDRESS: 8315 Kerrybrook Circle
PLAT NO:
LOT SIZE: 24,000 .6c

LOCATION OF SITE: Knoll Wood Circle

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) U — 2-4	S PS (U) — 11-30% To Complex	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS (U) — Mixed Clay	S PS (U) — Mixed Clay	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS (U) — Weak Blocky	S PS (U) — Weak Blocky	S PS U	S PS U
4. SOIL DEPTH (inches)	S PS (U) — 18-20"	S PS (U) — 10-30	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S (PS) U — None	S (PS) U — None	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS (U) — Slow	S PS (U) — Slow	S PS U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	IVB	IVB		
9. SITE CLASSIFICATION	Unsuitable	Unsuitable		
10. SOIL SERIES	Wilkes	Complex slope IN Wilkes		

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)

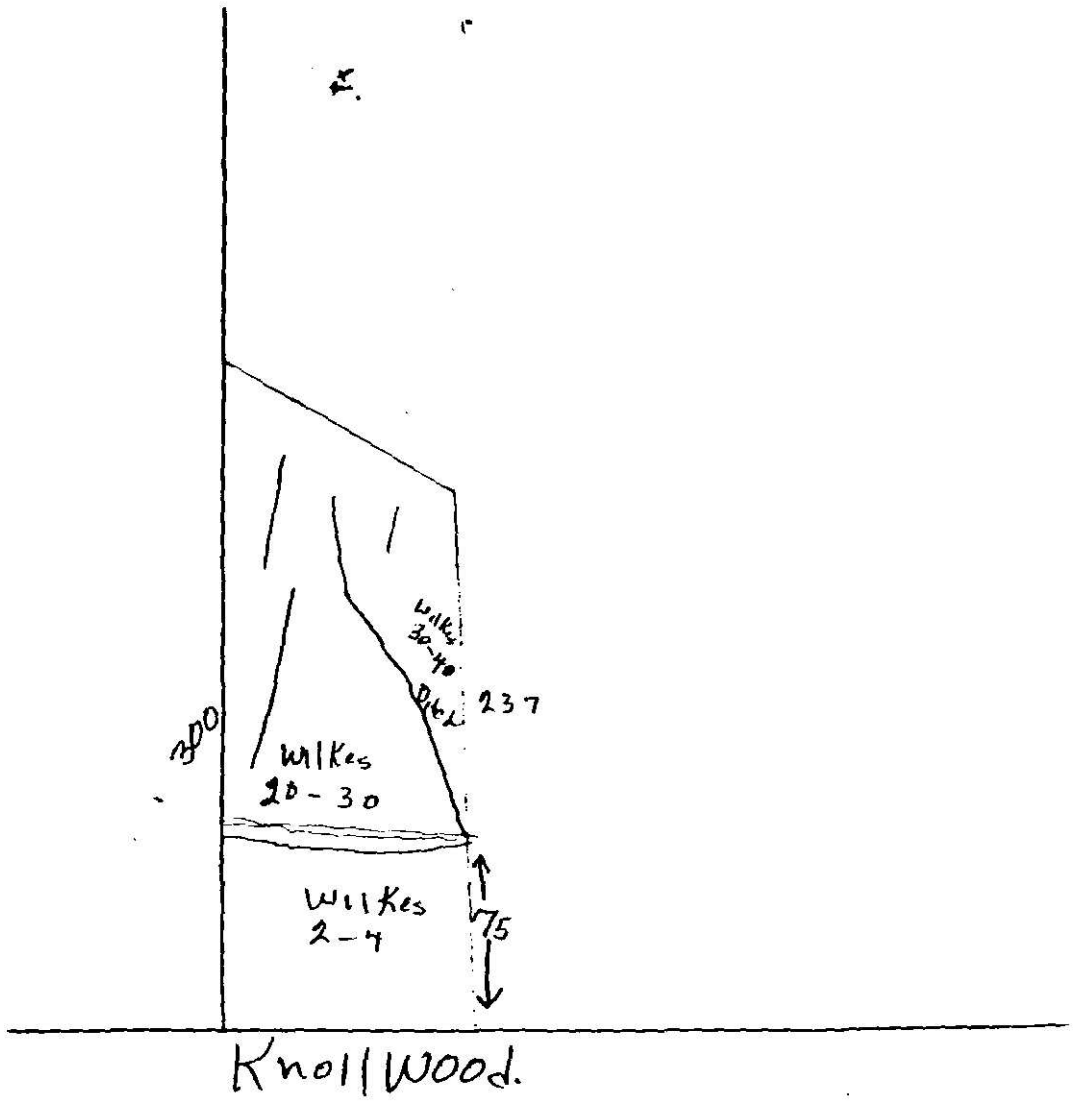
Recommendations/Comments:

Described by: W. B. Kannaday
Title: Sanitarian

Date: 8-17-84

X

24


E.
Wilkes
30-40
237
300
Wilkes
20-30
Wilkes
2-4
75
Knollwood.

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1200 BLYTHE BOULEVARD
CHARLOTTE NORTH CAROLINA 28203

August 20, 1984

Mr. Fred F. Taylor
8315 Kerrybrook Circle
Charlotte, NC 28214

Re: Property located at

Dear Sir:

At your request a soils investigation was conducted on the property designated above. Results of this investigation, showed the site to be classified **unsuitable** for the installation of a ground absorption sewage disposal system. A copy of the site evaluation report is enclosed for your information.

North Carolina General Statute 130A-335 and 10 NCAC 10A .1948 (c) provides that:

> Sites originally classified as **UNSUITABLE** may be used for soil absorption disposal systems, provided engineering, hydrogeologic, and soil studies indicate to the local health department that a suitable septic tank system or a suitable alternate system can reasonably be expected to function satisfactorily. Such sites may be reclassified as **PROVISIONALLY SUITABLE** upon submission to the local health department and when requested by the local health department to the state agency of the following:
>
> (1) Adequate substantiating data to indicate that a ground absorption system can be installed so that the effluent will receive adequate treatment;
> (2) Adequate substantiating data to indicate that the effluent will not contaminate any drinking water supply, ground water used for drinking water, or any surface water;
> (3) Adequate substantiating data to indicate that the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

Upon receipt of a request for reclassification as provided for above, the submission of plans and specifications for an applicable sewerage treatment system, and the approval of such system as submitted, the department will issue the appropriate permits.

If I may be of any assistance, please feel free to call.

Sincerely,

Willard B. Ramsey
Willard B. Ramsey
Soil Scientist

Enclosure

MECKLENBURG COUNTY

Department of Environmental Health

September 9, 1987

Fred F. Taylor
8315 Kerrybrook Circle
Charlotte, NC 28214

Dear Mr. Taylor:

Subject: Property located at 7908 Knollwood Circle
File: 21351

Receipt of the plans and specifications for a modified system of sewage disposal proposed for installation at the above referenced property is hereby acknowledged. Upon receipt of the plan, a review was made of the material on file and the plan was then reviewed in conjunction with provisions of 10 NCAC 10A .1900, "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal". Our comments are listed below:

> The proposed system layout would be located in Area II as indicated by the site evaluation report. This area is unsuitable with respect to slope, texture, structure, and drainage. A low pressure pipe system cannot be reasonably expected to function properly in this area.

For these reasons, the plan as submitted has been disapproved.

If you have any questions regarding these matters, please do not hesitate to contact me.

Very truly yours,

Jim Ericsson
Registered Sanitarian
On Premises Waste Disposal Section

JE/ir

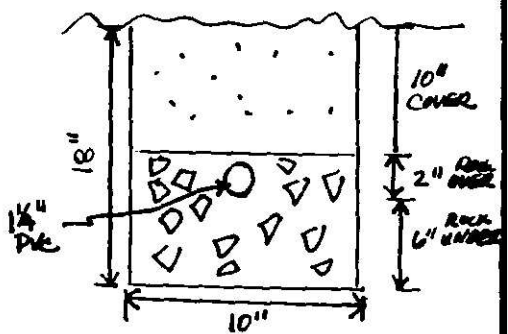
Enclosure

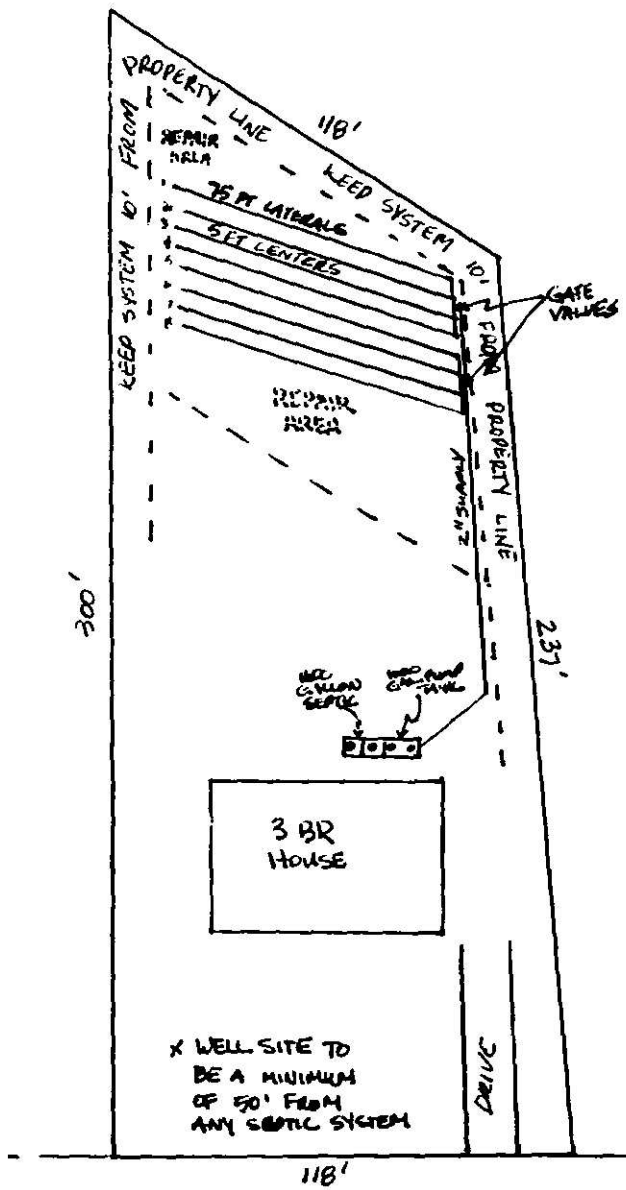
R. C. S., Inc.

Septic Tank Installation & Service

FRED F. TAYLOR
FILE 21351

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





* THE AREA HAS BEEN STAKED W/ PVC PIPE

1" = 40'

X WELL SITE TO BE A MINIMUM OF 50' FROM ANY SEPTIC SYSTEM

7908 KNOLLWOOD CIRCLE

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

FRED F. TAYLOR.
FILE 21861

LINE	PRESSURE HEAD	FLOW/ HOLE	NO. HOLES/ LINE	FLOW/ LINE	HOLE SPACING	FIRST HOLE
1	2'	.41	15	6.15	5'	30"
2	2'6"	.46	13	5.98	5.83'	"
3	3'1"	.50	11	5.5	7'	"
4	3'6"	.54	10	5.4	7.78'	"
5	2'	.41	15	6.15	5'	"
6	2'7"	.46	13	5.98	5.83'	"
7	3'1"	.60	11	5.5	7'	"
8	3'7"	.54	10	5.4	7.78'	"

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

FRED F. TAYLOR / MARY SILVER ERA REALTOR
FILE 21351
PROPERTY LOCATED ON 7908 KNOLLWOOD CIRCLE

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 DIAMETER	1¼", SCH 160
LATERAL CONFIGURATION	8 X 75 FT LINES
SUPPLY LINE LENGTH	150 FT
SUPPLY LINE DIAMETER	2", SCH 40
MANIFOLD PLACEMENT	SIDE
HOLE SIZE	6/32"
HOLE SPACING	SEE CHART
NO. OF HOLES	98
PRESSURE HEAD	SEE CHART
FLOW PER HOLE	SEE CHART
TOTAL FLOW	46.06 GPM
ELEVATION HEAD	25 FT
FRICTION HEAD	5.88 FT
PRESSURE HEAD	3 FT
TOTAL HEAD	33.88 FT
PUMP REQUIREMENTS	46.06 GPM, 33.88 FT OF HEAD
STORAGE VOL. IN LATERALS	54 GALLONS
STORAGE VOL IN SUPPLY	24.3 GALLONS
TOTAL STORAGE VOL.	78.3 GALLONS
DOSING VOL.	293.3 GALLONS
DOSING DEPTH	8.64"
CHECK VALVE?	YES

APPLICATION FOR AN IMPROVEMENT PERMIT

RECEIVED
MECKLENBURG COUNTY
HEALTH DEPT.
SEP 8 1987
ENVIRONMENTAL HEALTH
DIVISION

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: _____
TC: _____
SERIAL: Nº 13815
☐ L ☐ CRT

JOB LOCATION

① ADDRESS: 7908 (STREET NO) KNOLLWOOD CIRCLE (STREET) ② FILE: 21351
③ JURISDICTION: _____ ④ TAX PARCEL NO.: 049-261-15
⑤ SUBDIVISION: _____ ⑥ LOT: _____ ⑦ BLOCK: _____

OWNER

⑧ NAME: FRED (FIRST) F. (MIDDLE) TAYLOR (LAST)
⑨ MAILING ADDRESS: 8315 KERRYBROOK CIRCLE
⑩ CITY: CHARLOTTE ⑪ STATE: NC ⑫ ZIP: 28214
MARY SILVER (ERA)
⑬ PHONE: (WORK) 567-2321 ⑭ (HOME) _____

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

Signed: Fred F. Taylor (ERA)
Date: SEPT. 3, 1987

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

_____ / _____
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.

MECKLENBURG COUNTY
Department of Environmental Health

October 13, 1987

Fred F. Taylor
8315 Kerrybrook Circle
Charlotte, NC 28214

Dear Mr. Taylor:

Subject. Property located at 7908 Knollwood Circle
File: 21351

Receipt of the plans and specifications for a modified system of sewage disposal proposed for installation at the above referenced property is hereby acknowledged. Upon receipt of the plan, a review was made of the material on file and a site evaluation was conducted. The plan was then reviewed in conjunction with provisions of 10 NCAC 10A .1900, "Laws and Rules for Sanitary Sewage Collection, Treatment and Disposal". Our comments are listed below:

1. The site is classified as unsuitable according to the site evaluation report dated 8,17,84. The unsuitable factors include slope, soil texture, soil structure, soil depth, and soil drainage.

2. The topography on the site is unsuitable for the installation of a subsurface sewage disposal system.

3. It is felt that a subsurface sewage disposal system cannot be reasonably expected to function properly on this site.

For these reasons, the plans as submitted are disapproved.

If you have any questions regarding these matters, please do not hesitate to contact me.

Very truly yours,

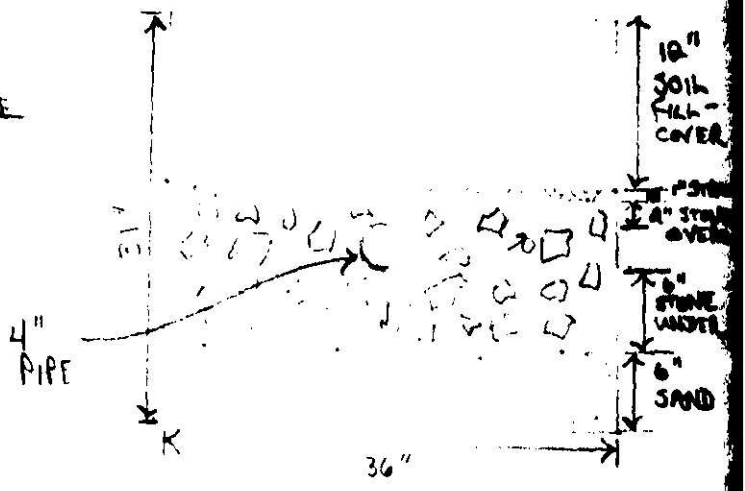
Sylvia D. Daniel, R.S.
Environmental Health Supervisor

SDD/ir

Enclosures

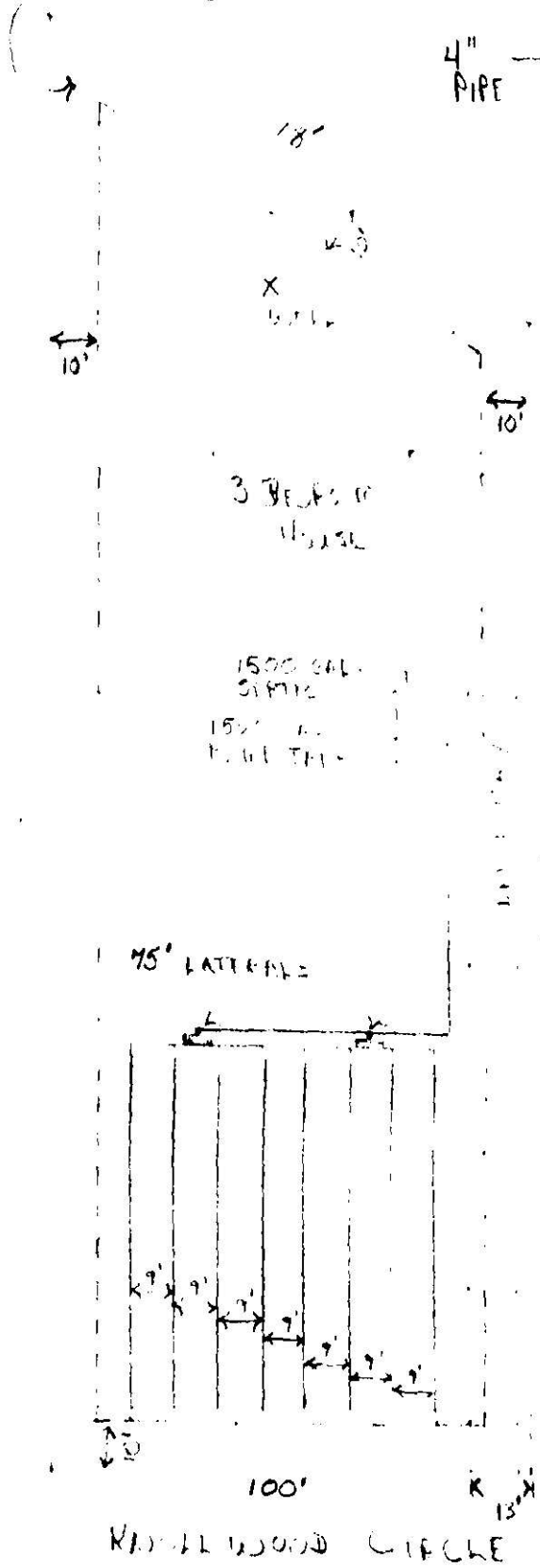
FILE: 21351
TXC: 04926115

FRED F. TAYLOR, OWNER
PROPERTY LOCATED AT
790X KNOLLWOOD CIRCLE



DETAIL OF TRENCH

10' SETBACK FROM PROPERTY LINES



RATE OF APPLICATION = 0.2

SCALE 1" = 30'

DISAPPROVED
MECKLENBURG COUNTY ENVIRONMENTAL HEALTH DEPARTMENT
FILE NO. 21351
ICAR PERMIT NO.
DATE 10-13-87
BY S Ronin

VIEWS

M. W. Silver