Date Received 8-13-84

RECEIVED
AUG 13 1984
ENVIRONMENTAL HEALTH

SIR No. 21341

T. C. No. PO 135-391-99

Map Date L

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER BOB McLEMORE CO. INC.
LAST FIRST MIDDLE

2) ADDRESS OF OWNER PO BOX 25746 CHAR ZIP 28212

3) PHONE NO. Home — Office 545-6111

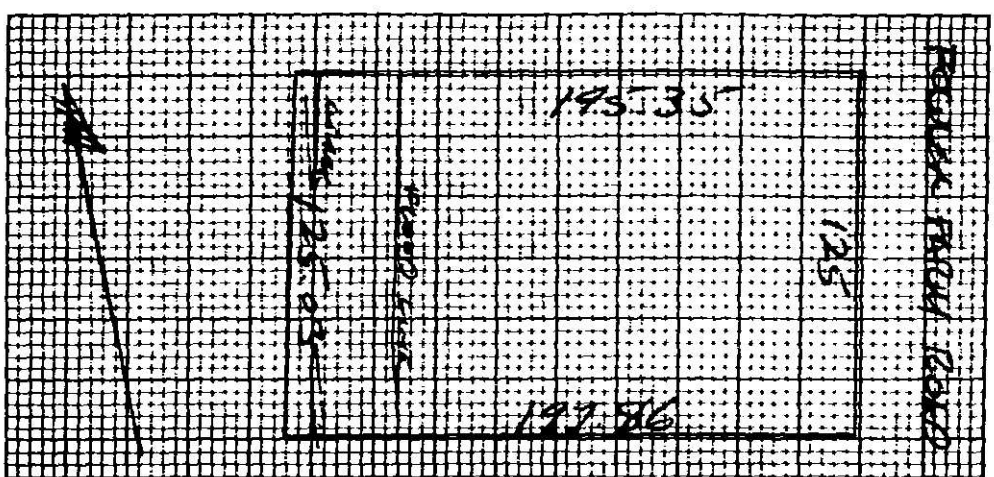
4) LOCATION OF PROPERTY 5301 FOWLER FARM ROAD
STREET OR COUNTY ROAD

5) SUBDIVISION FARMWOOD SEC 20 LOT NO. 24 [redacted] BLOCK NO. W

MAP BOOK NO 20 PAGE NO. 612

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

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

BOB McLEMORE CO, INC.
OWNER [signature] 7-25-84

EHD-5-76

Environmental Health Department's Copy

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21341

T.C. NO. PC 135-391-99

(Ground Absorption Sewage Disposal)

OWNER: Bob McLemore Ltd.
ADDRESS: PO Box 2574
Charlotte, N.C. 28212

PLAT NO: 24-11
LOT SIZE: 24,500 .56

LOCATION OF SITE: 5301 Fowler Farm Road

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS U —	S PS U —	S PS 3-15% U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS — U	S PS — U	S PS Some 2-1 Clay U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS Compacted Fill U	S PS — U	S PS Weak Blocky U	S PS U
4. SOIL DEPTH (inches)	S PS — U	S PS — U	S PS 20-24" U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S PS — U	S PS — U	S PS <30" U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS — U	S Drainageway PS U Depression	S PS >30" to ground water U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	—		WA	
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
10. SOIL SERIES	Fill	Drainageway Depression	Parcelt-Wilkes	

S - Suitable PS - Provisionally Suitable U - Unsuitable

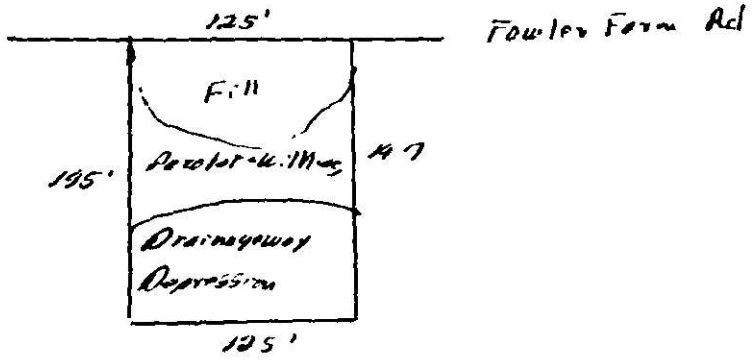
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: William A. Martin
Title: Soil Scientist

Date: 9-24-79

3d


125'
Fowler Farm Rd
Fill
195'
Drainageway
Depression
125'

MECKLENBURG COUNTY
Department of Environmental Health

FILE NO. 21341

DATE 9-25-84

Bob McLemore Company
P. O. Box 25746
Charlotte, NC 28212

Re: Property located at 5301 Fowler Farm Road

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,

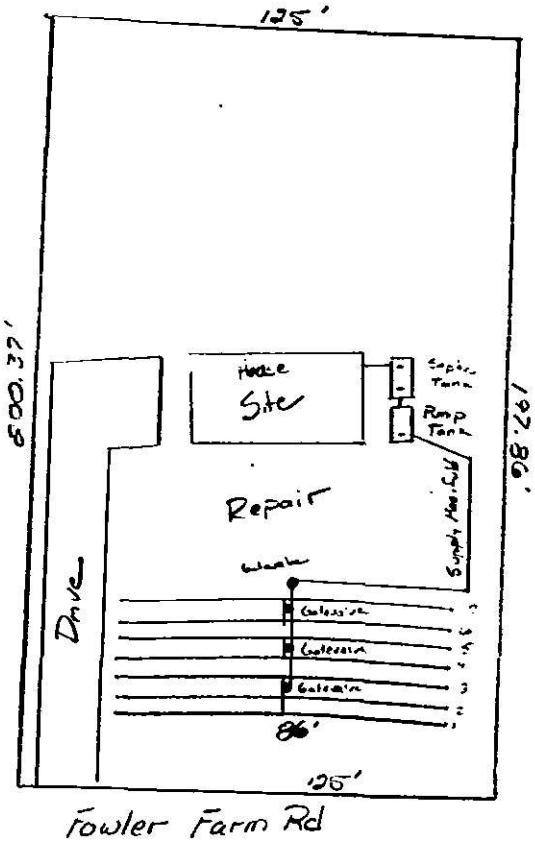
Bill D. Hardister, Jr.

Bill D. Hardister, Jr.
Environmental Health Supervisor

Enclosure

R. C. S., Inc.
Stafford Street
Post Office Box 708
Monroe, North Carolina 28110
Phones: 704-283-7538 or 376-9358

JOB Lot # 24 Farmwood Sec 20
SHEET NO Clock W OF
CALCULATED BY Ken Robertson DATE
CHECKED BY DATE
SCALE



R.C.S., Inc.

Lot #24, Farmwood, Sec. 20

FILE NUMBER _____ Block W

NAME Bob McLemore & Co, Inc

LPP System Design Specifications

Daily waste flow 360

Septic tank size 1500 gal

Pumping tank size 1000 gal

Effluent loading rate. 12

Absorption area 3000 ft²

Total lateral length 600 ft

Lateral diameter 1 1/4 in PVC sch 160

Lateral Configuration 86 ft x 35 ft

Supply line length 120 ft

Supply line diameter 2 in PVC sch 40

Manifold placement center

Check valve required? No

Total flow 39.32 gal

Elevation head 13 ft

Friction head 3.8 ft

Pressure head 2 ft

Total head 18.8 ft

Pump requirements 39.32 gal at 18.8 ft

Lateral storage volume 54 gal

Supply line storage volume 19.44 gal

Total storage volume 73.44 gal

Dosing volume 220 gal

Dosing depth 15 inches

==========DRAINFIELD DESIGN ==========

LINE NO.	HOLE SIZE	NO. HOLES	HEAD PRESS.	FLOW/ HOLE gpm	HOLE SPACING	FLOW/ LINE gpm	FLOW/ FOOT **
1	5/32	16	2.0'	[illegible]	4.75'	6.56	
2	5/32	14	2.5	.45	5.4	6.3	
3	5/32	12	3.0	[illegible]	6.3'	6.0	
4	5/32	14	2.0	.41	5.4'	5.74	
5	5/32	12	2.[illegible]	.45	6.3'	5.4	
6	5/32	12	2.0	.41	6.3'	4.92	
7	5/32	10	2.4	.44	7.6'	4.4	