Date Received 8-13-84

MECK COUNTY DEPARTMENT OF
RECEIVED
AUG 13 1984
ENVIRONMENTAL HEALTH

SIR No. 21302

T. C. No. P0135-391-19

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

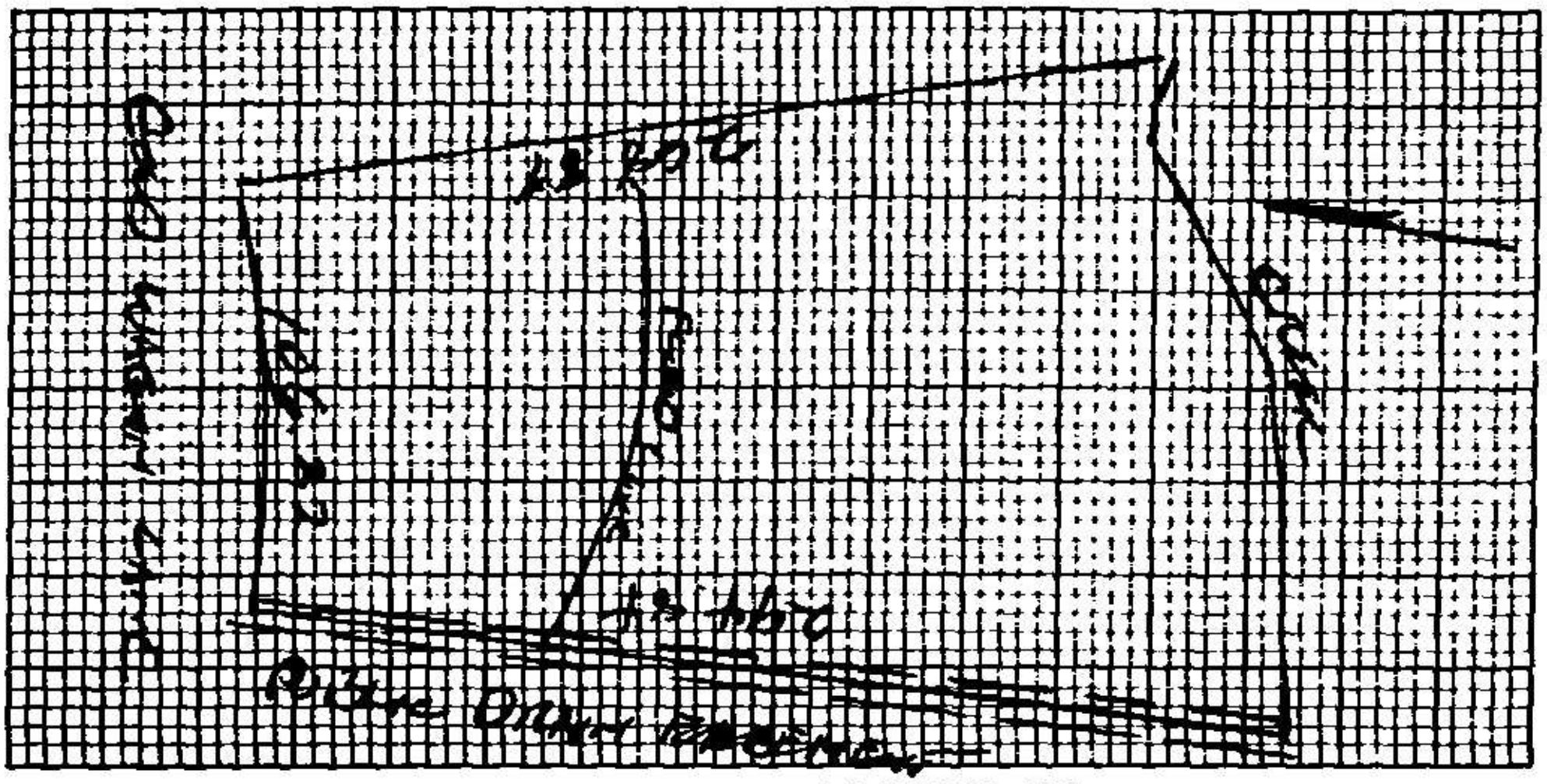
4) LOCATION OF PROPERTY 5836 Gold Wagon Lane
STREET OR COUNTY ROAD

5) SUBDIVISION Farmwood Sec 20 LOT NO. 8 BLOCK NO. W

MAP BOOK NO 20 PAGE NO. 611

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]
8-7-84

EHD-S-76

Environmental Health Department's Copy

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21302

T.C. NO. PO 135-39179

(Ground Absorption Sewage Disposal)

OWNER: Bob McLemore Co. Inc.
ADDRESS: PO Box 25746
Charlotte, N.C. 28212
PLAT NO: B-W
LOT SIZE: Approx 25 A.
LOCATION OF SITE: 5836 Hall Allegan Fare

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 2-12% 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 7-36" To PS saprolite U	S PS — U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S 7-36" To PS ground water U	S Drainageway PS Depression U	S PS U	S PS U
7. OTHER (Specify)	S Restricted PS Area U	S seasonal high PS water U 12-34"	S PS U	S PS U
8. SOIL GROUP	10 A	—		
9. SITE CLASSIFICATION	unsuitable	unsuitable		
10. SOIL SERIES	Cecil Like	Drainageway Depression		

S - Suitable PS - Provisionally Suitable U - Unsuitable

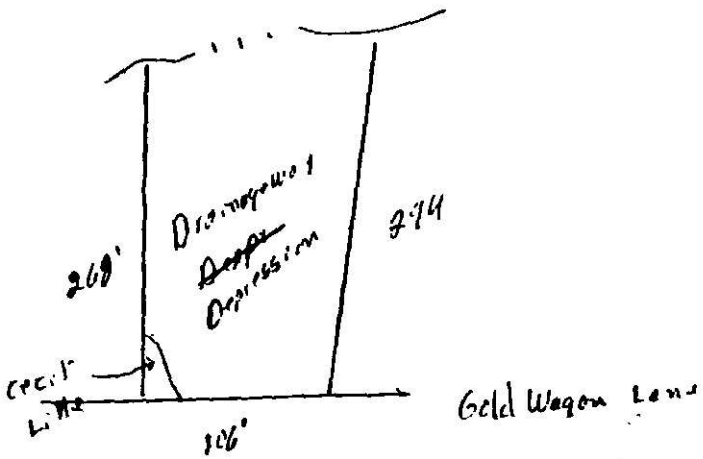
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: William R. Martin
Title: Soil Scientist

Date: 4-11-85

34



268'
Drainageway
~~Depr~~
Depression
294
Cecil
Little
106'
Gold Wagon Lane

MECKLENBURG COUNTY
Department of Environmental Health

April 12, 1985

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

Re: Property located at 5836 Gold Wagon Ln., SIR 21302, TC# PO 135-391-99

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 as unsuitable under criteria as set forth in Section .1900 of the North Carolina Administrative Code, Title 10, Department of Human Resources, Chapter 10, Division of Health Services; Sanitary Engineering Section, Subchapter 10A, Sanitation.

The soil on this property is not suitable for use with any conventional system, modified or alternative, with which I am aware.

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

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor

Enclosure

Lot # 8

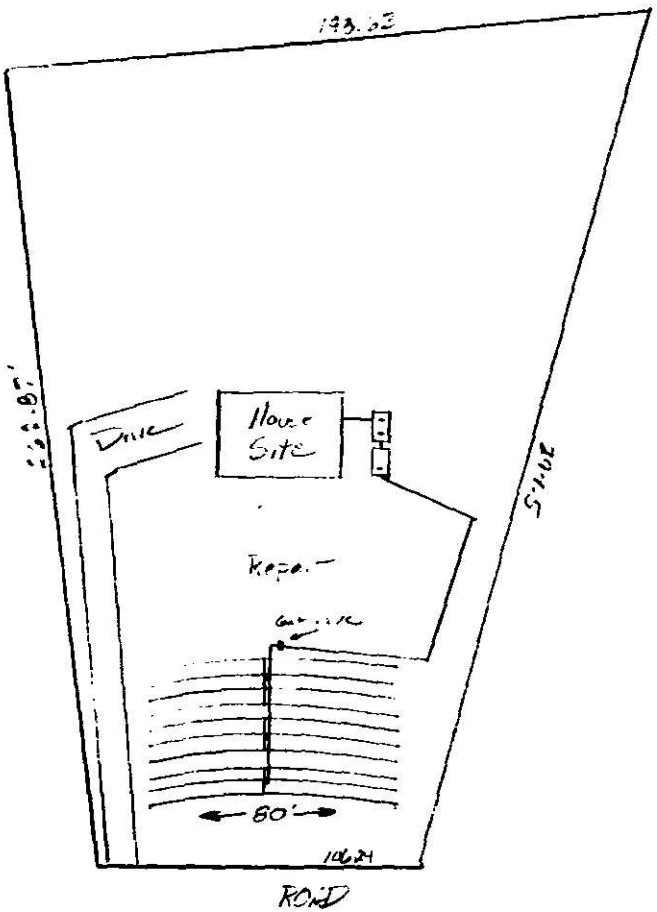
4 bdrm = 180 gal/day

.12 application rate

400 ft²

800 Linear ft.

Scale 1" = 50'



Submitted by Ken Robertson
For RCS, Inc

Lot #8W
Formwood

LPP System Design Specifications

Daily waste flow 480 GAL/DAY
Septic tank size 1500 GAL
Pumping tank size 1000 GAL
Effluent loading rate .12
Absorption area 400 FT²
Total lateral length 800 FT
Lateral diameter 1¼ in
Lateral Configuration 50 FT · 80 FT
Supply line length 180 FT
Supply line diameter 2 in
Manifold placement CENTER
Check valve required?

Total flow 43.32 gal
Elevation head 18 Ft
Friction head 8.6'
Pressure head 2'
Total head 28.6'
Pump requirements 43.32 gal at 28.6'
Lateral storage volume 72 gal
Supply line storage volume 29.16
Total storage volume 101.16
Dosing volume 360 gal/dose
Dosing depth 14"
Hole spacing is based on distance between holes and emitter/distribution manifold being no more than 30 inches

DRAINFIELD DESIGN*

LINE NO.	HOLE SIZE	NO. HOLES	HEAD PRESS.	FLOW/ HOLE	HOLE SPACING	FLOW/ LINE	FLOW/ FOOT**
1	9/32	16	2'	.41	5.5'	4.92	
2	9/32	10	2.6'	.46	7.0'	4.6	
3	9/32	9	2.8'	.48	7.7'	4.32	
4	9/32	8	3.0	.5	8.75'	4.0	
5	9/32	12	2.0'	.41	5.5'	4.92	
6	9/32	10	2.5	.45	7.0'	4.5	
7	9/32	9	2.8	.48	7.7'	4.32	
8	9/32	10	2.0	.41	7.0'	4.1	
9	9/32	7	2.4'	.47	7.7'	3.29	
10	9/32	8	2.6'	.46	8.75'	3.68	

*Drainfield design data must be listed for each line for systems where lines are different (such as sloping lots).
**Flow/Foot must be provided where lines are of varying lengths.

LPP System Design File 21302

Line No.	Hole Size	(Conv)	No. Holes	Head Press.	Flow/ Hole	Hole Spacing	Flow/ Line	Flow/ Foot	Line Length
1	5/32	0.1563	12	2.00	0.41	7.0	4.88	0.061	80
2	5/32	0.1563	10	2.60	0.46	8.8	4.64	0.058	80
3	5/32	0.1563	10	2.80	0.48	8.8	4.82	0.060	80
4	5/32	0.1563	8	3.00	0.50	11.7	3.99	0.050	80
5	5/32	0.1563	12	2.00	0.41	7.0	4.88	0.061	80
6	5/32	0.1563	10	2.50	0.46	8.8	4.55	0.057	80
7	5/32	0.1563	10	2.80	0.48	8.8	4.82	0.060	80
8	5/32	0.1563	10	2.00	0.41	8.8	4.07	0.051	80
9	5/32	0.1563	8	2.40	0.45	11.7	3.57	0.045	80
10	5/32	0.1563	8	2.60	0.46	11.7	3.71	0.046	80
			98				43.934		

Have the drainfield
staked
SDH
10/15/85

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

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

(OFFICE USE ONLY)

FILE: 21302

TC: 135-391-99

MECK C... DEPARTMENT O
RECEIVED
ENVIRONMENTAL HEALTH

JOB LOCATION

① ADDRESS: 5836 (STREET NO) Gold Wagon (STREET) Lane ② FILE:

③ CITY: Charlotte ④ TAX PARCEL NO.:

⑤ SUBDIVISION: Farmwood Section 20 ⑥ LOT: 8 ⑦ BLOCK: W

OWNER

⑧ NAME: Bob McLemore Co., Inc. (FIRST) (MIDDLE) (LAST)

⑨ MAILING ADDRESS: P.O. Box 25746

⑩ CITY: Charlotte ⑪ STATE: NC ⑫ ZIP: 28212

⑬ PHONE: (WORK) ⑭ (HOME)

REQUEST

This request is for a(n):

⑮ ☑ New installation permit ⑰ ☐ Authorization for mobile home exchange

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

DESIGN CRITERIA

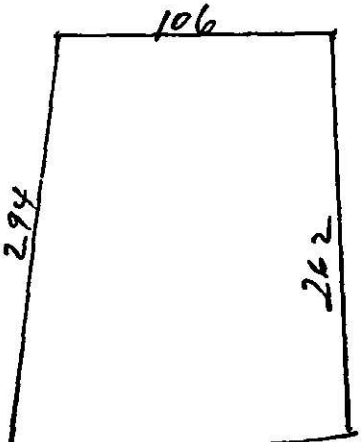
System will serve:

⑲ ☑ Residence ⑳ ☐ Mobile home ㉑ ☐ Business or place of public assembly

㉒ Number of bedrooms? 4 ㉕ Type?

㉓ Maximum occupancy? ㉖ Maximum number of employees?

㉔ Basement? ☐ yes ☑ no ㉗ Maximum number of seats?



㉘ Accurately dimensioned plot

WATER SUPPLY

㉙ Water supply from (present or proposed):

A ☐ Individual well

B ☐ Municipal system

C ☑ Community well

D ☐ Community system

㉚ 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: Bob McLemore Co Inc
By [signature]

Date: 10/7/85

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY