Date Received 8-13-84

RECEIVED
AUG 13 1984
ENVIRONMENTAL HEALTH

SIR No. 21304
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

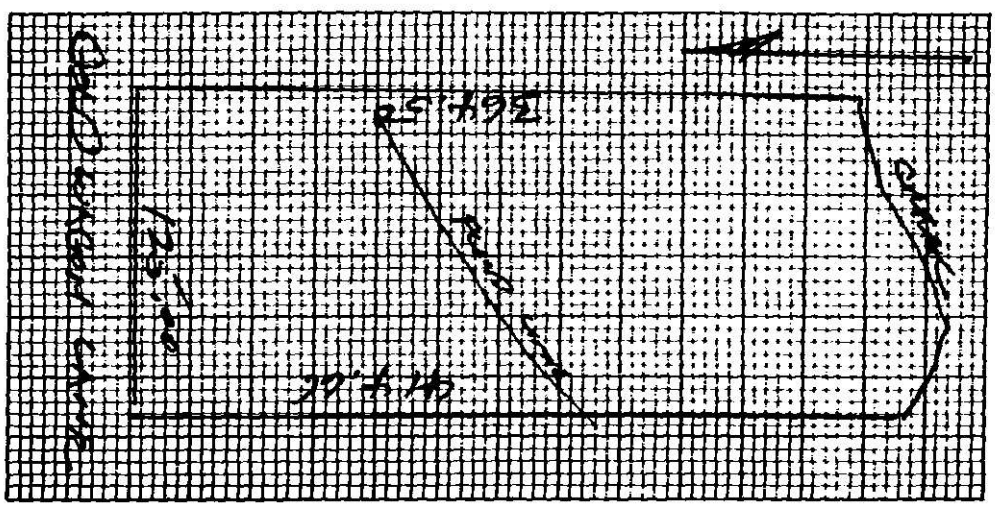
4) LOCATION OF PROPERTY 5820 GOLD WAGON LANE
STREET OR COUNTY ROAD

5) SUBDIVISION FARMWOOD SECT 20 LOT NO. 10 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

8-9-84

EHD-5-76

Environmental Health Department's Copy

DEPARTMENT OF
ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY,
NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 2130 H

T.C. NO. PO 135-391-[illegible]

(Ground Absorption Sewage Disposal)

OWNER: Bob McLennan Cayton
ADDRESS: PO Box 25741
Charlotte, N.C. 28212

PLAT NO: 10-W
LOT SIZE: 1.09 A

LOCATION OF SITE: 5820 Hood Wagon Lane

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S / PS 2-10% / U	S / PS complex slopes / 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 >36" to saprolite / U	S / PS — / U	S / PS — / U	S / PS / U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S / PS >36" to ground water / U	S / PS May collect runoff / U	S / PS Drainage-way Depression / U	S / PS / U
7. OTHER (Specify)	S / PS Restricted Area / U	S / PS / U	S / PS / U	S / PS / U
8. SOIL GROUP	16 A	—	—	
9. SITE CLASSIFICATION	unsuitable	unsuitable	unsuitable	
10. SOIL SERIES	Cecil Lake	complex slopes	Drainageway Depression	

S - Suitable PS - Provisionally Suitable U - Unsuitable

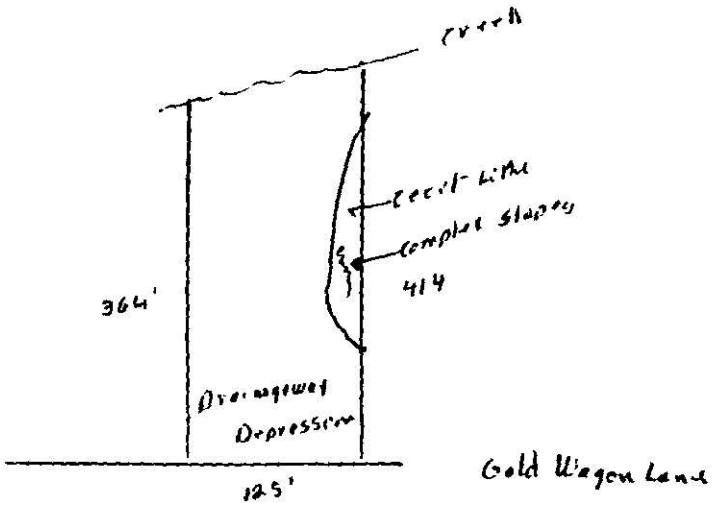
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments:

Described by: William B. Martin
Title: Soil Scientist

Date: 4-9-85

28


Creek
Creek Line
Complex slopes
414
364'
Drainageway
Depression
125'
Gold Wagon Lane

MECKLENBURG COUNTY
Department of Environmental Health

FILE NO. 21304

DATE 4-11-85

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

Re: Property located at 5820 Gold Wagon Lane, 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 unsuitable for the installation of a ground absorption sewage disposal system. A copy of the site evaluation report is enclosed for your information.

North Caroline 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.

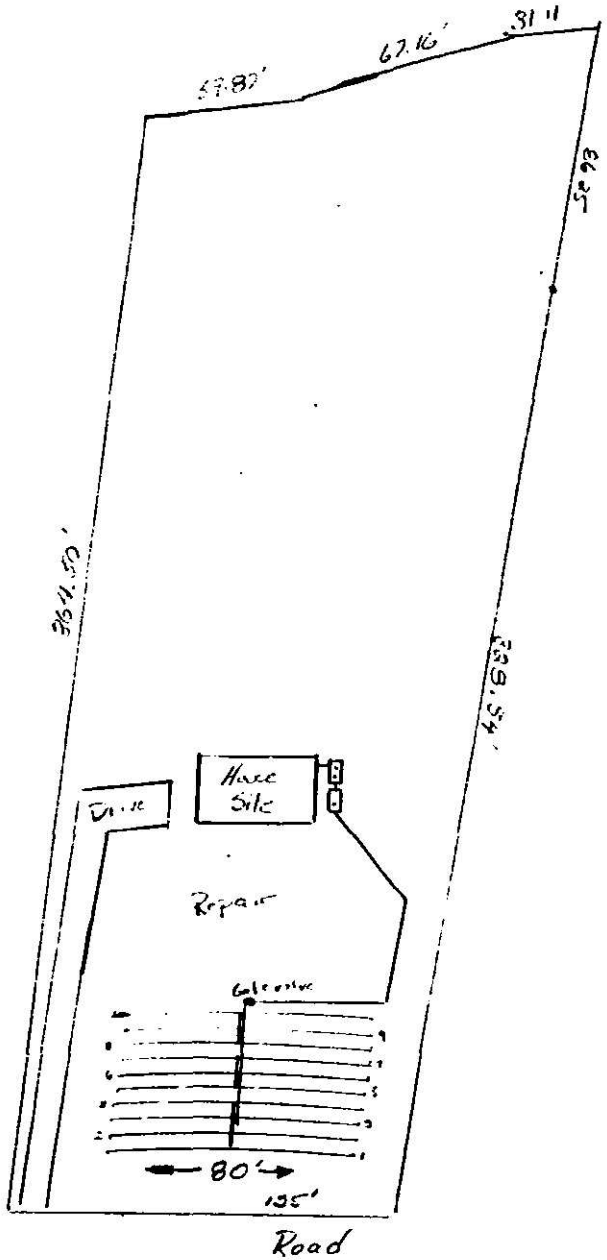
If I may be of any assistance, please feel free to call.

Sincerely,

Bill D. Hardister, Jr.
Environmental Health Supervisor

Enclosure

Lot # 10
4 bdrm = 480 gal/day
400 ft²
800 Linear ft
Scale 1" = 50'



Submitted by Ken Robertson
for RCS, Inc

lot * 10W
Farmwood

LPP System Design Specifications

Daily waste flow	480 gal/day	**Total flow**	45.12
Septic tank size	1500 gal	**Elevation head**	16'
Pumping tank size	1000 gal	**Friction head**	5.89'
Effluent loading rate	.12	**Pressure head**	2'
Absorption area	400 ft²	**Total head**	23.89'
Total lateral length	800	**Pump requirements**	45.12 gpm @ 24'
Lateral diameter	1¼" PVC (Sch. 40)	**Lateral storage volume**	72 gal
Lateral Configuration	50' x 80'	**Supply line storage volume**	24.3
Supply line length	150'	**Total storage volume**	96.3 gal
Supply line diameter	3" PVC (Sch. 40)	**Dosing volume**	360 gal
Manifold placement	center	**Dosing depth**	14"
Check valve required?	no	Hole spacing based on no less than 30 inches between holes and end of pipe/distribution manifold.	

DRAINFIELD DESIGN*

LINE NO.	HOLE SIZE	NO. HOLES	HEAD PRESS.	FLOW/ HOLE	HOLE SPACING	FLOW/ LINE	FLOW/ FOOT**
1	5/32	12	2'	.41	5.8'	4.92	
2	5/32	11	2'4"	.44	6.7'	4.8	
3	5/32	10	2'5"	.48	7'	4.8	
4	5/32	9	3'	.5	7.8'	4.5	
5	5/32	12	2'	.41	5.8'	4.92	
6	5/32	11	2'4"	.44	6.7'	4.84	
7	5/32	10	2'6"	.46	7'	4.6	
8	5/32	10	2'	.41	7'	4.1	
9	5/32	9	2'4"	.44	7.2'	3.96	
10	5/32	8	2'6"	.46	5.5'	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 21304

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	2.33	0.44	8.8	4.40	0.055	80
3	5/32	0.1563	10	2.67	0.47	8.8	4.70	0.059	80
4	5/32	0.1563	10	3.00	0.50	8.8	4.99	0.062	80
5	5/32	0.1563	12	2.00	0.41	7.0	4.88	0.061	80
6	5/32	0.1563	10	2.33	0.44	8.8	4.40	0.055	80
7	5/32	0.1563	10	2.50	0.46	8.8	4.55	0.057	80
8	5/32	0.1563	10	2.00	0.41	8.8	4.07	0.051	80
9	5/32	0.1563	10	2.33	0.44	8.8	4.40	0.055	80
10	5/32	0.1563	8	2.50	0.46	11.7	3.64	0.046	80
			102				44.909		

Hold tile drainfield
stakes

BDH
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: 21304

TC: 135-391-99

MECK C... DEPARTMENT OF
RECEIVED
... ENVIRONMENTAL HEALTH

JOB LOCATION

① ADDRESS: 5820 (STREET NO) Gold Wagon Lane (STREET) ② FILE:

③ CITY: Charlotte ④ TAX PARCEL NO.:

⑤ SUBDIVISION: Farmwood Section 20 ⑥ LOT: 10 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

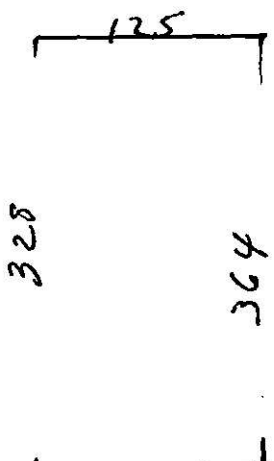
System will serve:

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