Date Received 8-13-84

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AUG 15 1984
ENVIRONMENTAL HEALTH

SIR No. 21350

T. C. No. 135-391-04

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 P.O. 25746 CHAR ZIP 28212

3) PHONE NO. Home —— Office 545-6111

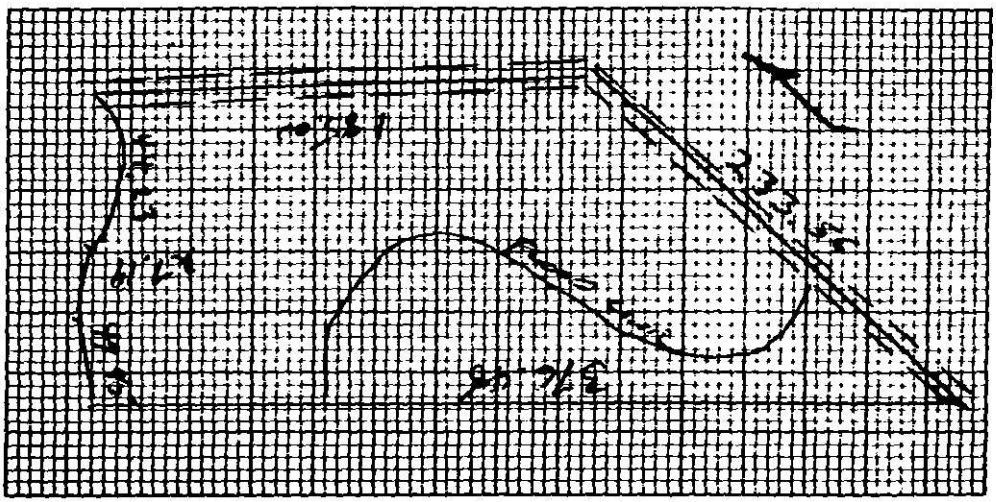
4) LOCATION OF PROPERTY 5930 COLD WAGON LANE
STREET OR COUNTY ROAD

5) SUBDIVISION FAIRWOOD SEC # 20 LOT NO. 4 BLOCK NO. W

MAP BOOK NO 20 PAGE NO. 417

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

8-7-84

EHB-S-76

Environmental Health Department's Copy

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 2136

T.C. NO. 135-39124

(Ground Absorption Sewage Disposal)

OWNER: Bob McLemore Builder
ADDRESS: Box 25744
Charlotte, NC 28212
PLAT NO: 4-W
LOT SIZE: .57A
LOCATION OF SITE: 5936 Neil Wynn Lane

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 2-10% 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 24-30" PS U	S PS — U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S 24" PS To saprolite U	S PS — U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S Tight PS ground U water	S Drainage PS way U Depression	S PS U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U
8. SOIL GROUP	IIA	—		
9. SITE CLASSIFICATION	Unsuitable	Unsuitable		
10. SOIL SERIES	Pocket- ville	Drainageway Depression		

S - Suitable PS - Provisionally Suitable U - Unsuitable

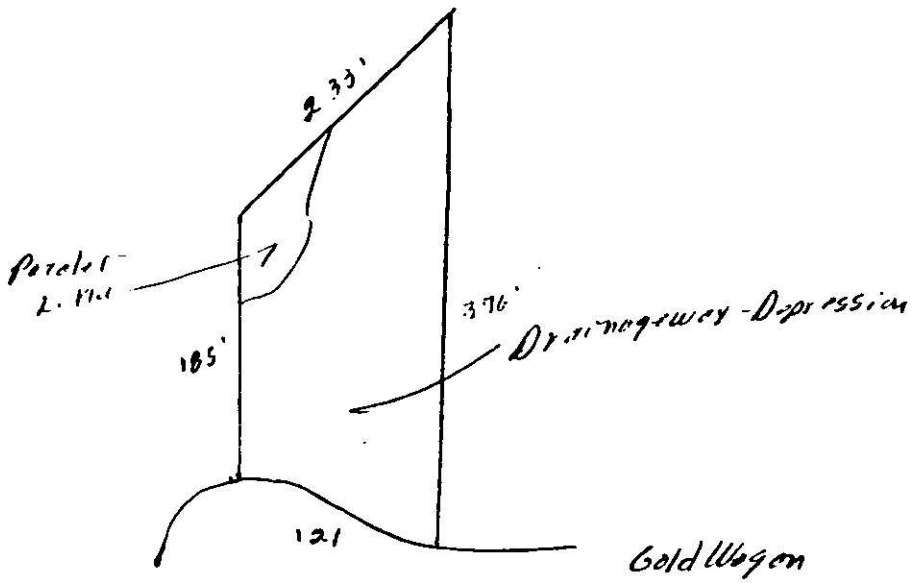
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: _____

Described by: William R. Martin
Title: Soil Scientist

Date: 4-23-85

24



Front 100-125' feet of lot checked w/ respect to low pressure system suitability on 11-16-95. Seasonal water table 2+' generally or less. RW Ray

MECKLENBURG COUNTY
Department of Environmental Health

FILE NO. 21300

DATE April 23, 1985

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

Re: Property located at 5930 Gold Wagon Lane (TC# 135 391 04)

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

Bill D. Hardister
Environmental Health Supervisor

BDH/kvj

Enclosure

APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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

(OFFICE USE ONLY)

RECEIVED
... 5
ENVIRONMENTAL HEALTH

FILE: 21300

TC: 135-391-04
L

JOB LOCATION

① ADDRESS: 5930 (STREET NO) Gold Wagon (STREET) Lane ② FILE:

③ CITY: Charlotte ④ TAX PARCEL NO.:

⑤ SUBDIVISION: Farmwood Section 20 ⑥ LOT: 4 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

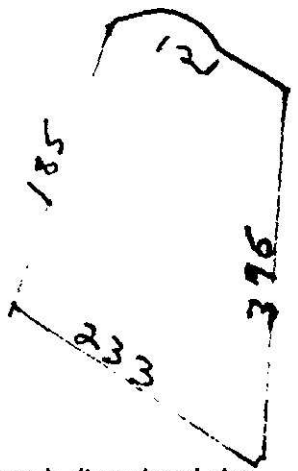
System will serve:

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.

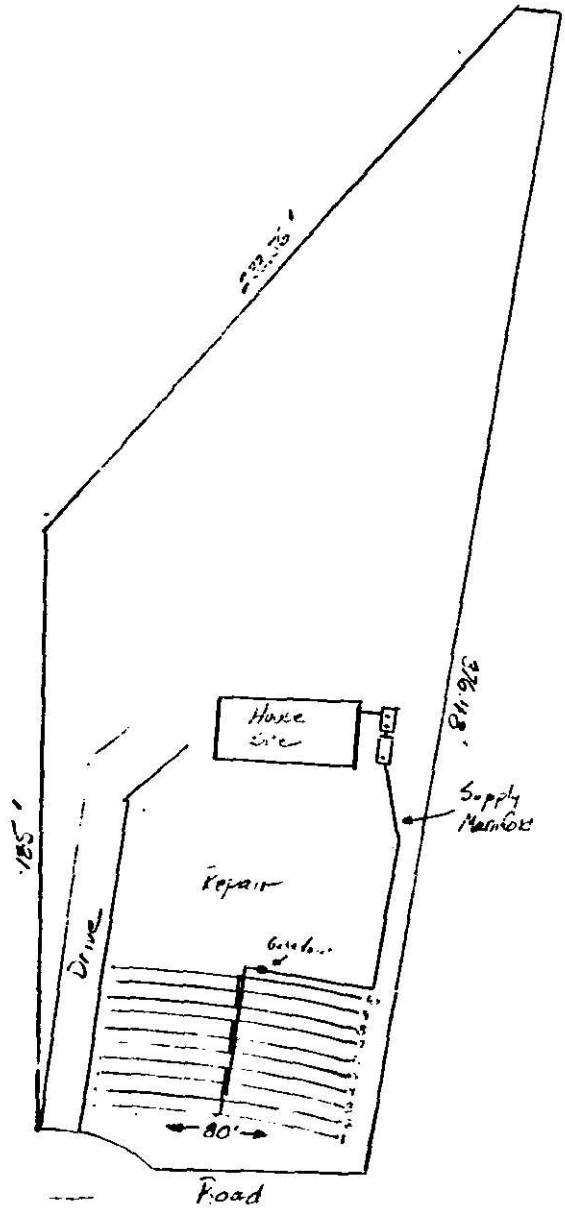
Signed: Bob McLemore Co. Inc.
By EDA mgr

Date: 10/7/85

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

Lot # 4

4 Bdrm = 480 gal/day
- 12 application rate
- 1000 ft²
800 linear feet



Scale 1" = 50'

Submitted by Ken Robertson
for RCS, Inc

Lot # 4W
Fairwood

LPP System Design Specifications

Daily waste flow 480 gal
Septic tank size 1500 gal
Pumping tank size 1000 gal
Effluent loading rate .12
Absorption area 400 ft²
Total lateral length 300 ft
Lateral diameter 1¼" PVC (SCH 160)
Lateral Configuration 50' x 80'
Supply line length 150'
Supply line diameter 2" PVC (SCH 40)
Manifold placement center
Check valve required? N/o

Total flow 43.58 gal
Elevation head 13 ft
Friction head 5.89 ft
Pressure head 2 ft
Total head 20.89 ft
Pump requirements 43.58 gal at 20.89 ft
Lateral storage volume 72 gal
Supply line storage volume 24.3
Total storage volume 96.3 gal
Dosing volume 360 gal
Dosing depth 11"
Orifice spacing based on no less than 30 inches between orifice pipes/distribution troughs

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	6.3'	4.84	
3	5/32	10	2.8	.48	7.5'	4.80	
4	5/32	9	3.	.5	7.8'	4.50	
5	5/32	11	2	.41	5.8'	4.51	
6	5/32	10	2.4	.44	4.4'	4.40	
7	5/32	9	2.6	.46	7.8'	4.14	
8	5/32	10	2.0	.41	4.4'	4.10	
9	5/32	9	2.4	.41	7.8'	3.69	
10	5/32	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 21300

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	2.40	0.45	8.8	4.46	0.056	80
3	5/32	0.1563	10	2.80	0.48	8.8	4.82	0.060	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	2.40	0.45	8.8	4.46	0.056	80
7	5/32	0.1563	10	2.60	0.46	8.8	4.64	0.058	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
			100				44.482		

Lost till drainfield marked.

EDH
10/15/85