Date Received 8-13-84

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AUG 13 1984
ENVIRONMENTAL HEALTH

SIR No. 21298
T. C. No. 135-391-0 C
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

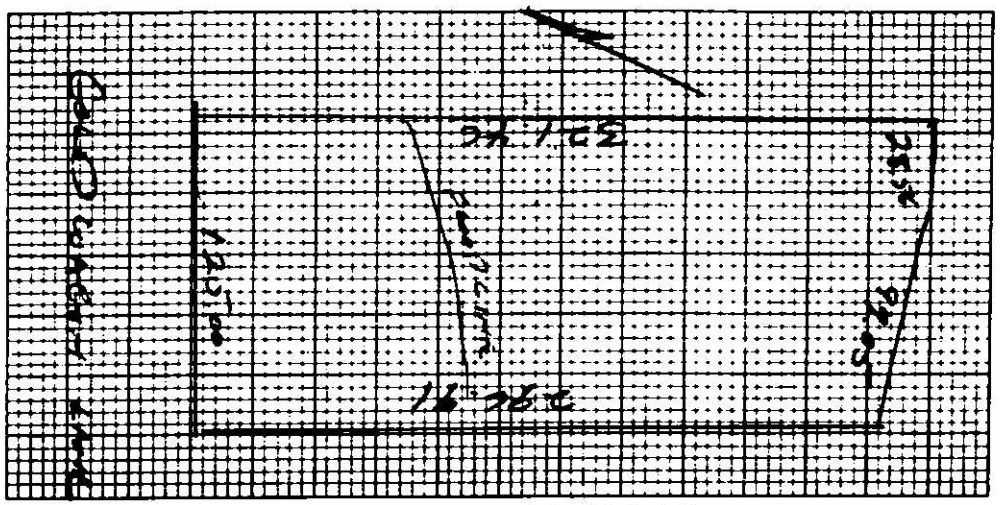
4) LOCATION OF PROPERTY 5910 Gold Wagon Lane
(STREET OR COUNTY ROAD)

5) SUBDIVISION Fairwood Sect 2a LOT NO. 6 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

EHD-5-76

Environmental Health Department's Copy

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21398

T.C. NO. 20135-39146

(Ground Absorption Sewage Disposal)

OWNER: Bob McLemore Co, Inc.
ADDRESS: PO Box 25746
Charlotte, NC 28212
LOCATION OF SITE: 5910 Rocky Milligan Lane

PLAT NO: C-W
LOT SIZE: .88

| FACTORS | AREA 1 | AREA 2 | AREA 3 | AREA 4 |
|---|---|---|---|---|
| 1. SLOPE (%) | S<br>PS —<br>U | S<br>PS Complex slopes<br>U | S<br>PS 2-12%<br>U | S<br>PS —<br>U |
| 2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay) | S<br>PS —<br>U | S<br>PS —<br>U | S<br>PS Clay<br>U | S<br>PS —<br>U |
| 3. SOIL STRUCTURE (12-36 inches) | S<br>PS —<br>U | S<br>PS —<br>U | S<br>PS Blocky<br>U | S<br>PS —<br>U |
| 4. SOIL DEPTH (inches) | S<br>PS —<br>U | S<br>PS —<br>U | S 36"+<br>PS<br>U | S<br>PS —<br>U |
| 5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock) | S<br>PS —<br>U | S<br>PS —<br>U | S 36"+ to Saprolite<br>PS<br>U | S<br>PS —<br>U |
| 6. SOIL DRAINAGE/GROUNDWATER (external and internal) | S Drainage<br>PS Way<br>U Depression | S Areas May Channel Runoff<br>PS<br>U | S 36"+ to ground water<br>PS<br>U | S<br>PS —<br>U |
| 7. OTHER (Specify) | S Seasonal<br>PS High water<br>U 12-24" | S<br>PS<br>U | S Restrictive Area<br>PS<br>U | S Fill<br>PS<br>U |
| 8. SOIL GROUP | — | — | IIA | — |
| 9. SITE CLASSIFICATION | unsuitable | unsuitable | unsuitable | unsuitable |
| 10. SOIL SERIES | Drainageway Depression | Complex Slopes | Cecil Like | Fill |

S - Suitable PS - Provisionally Suitable U - Unsuitable

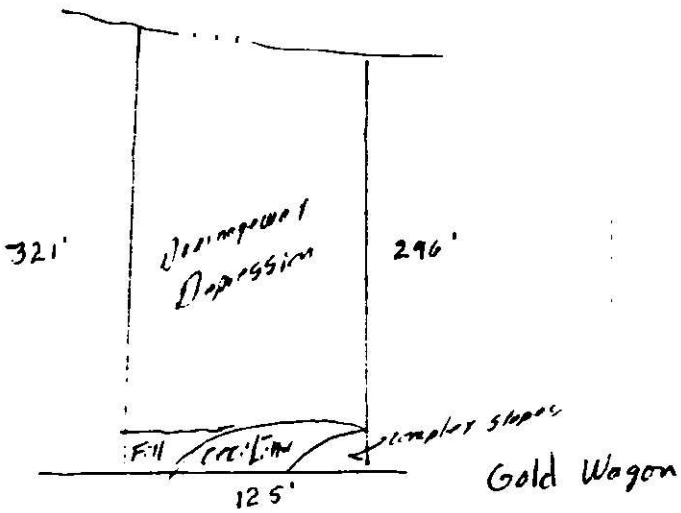
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: _____

Described by: William G. Marlow
Title: Soil Scientist

Date: 4-1-85

34


321'
Unimproved Depression
296'
Fill
complex slopes
Gold Wagon
125'

# MECKLENBURG COUNTY
## Department of Environmental Health

April 12, 1985

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

Re: Property located at 5910 Gold Wagon Ln., SIR 21298, TC# PO 135-391-06

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

# APPLICATION FOR AN IMPROVEMENT PERMIT

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

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

(OFFICE USE ONLY)

FILE: 21278

TC: 135-391-06
L

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ENVIRONMENTAL HEALTH

**JOB LOCATION**

① ADDRESS: 5710 (STREET NO) Goldwagen Lane (STREET) ② FILE:

③ CITY: Charlotte ④ TAX PARCEL NO.:

⑤ SUBDIVISION: Farmwood Sec 20 ⑥ LOT: 6 ⑦ BLOCK: W

**OWNER**

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

⑨ MAILING ADDRESS: P. O. Box 25746

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

⑬ PHONE: (WORK) 545-6111 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**

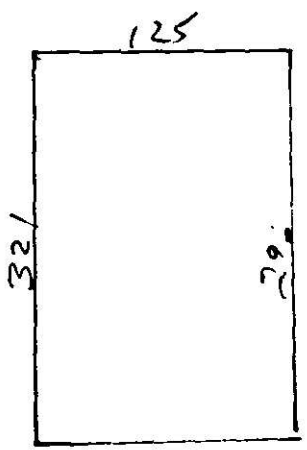
System will serve:

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?




**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

Date: 10/7/05

㉘ Accurately dimensioned plot

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

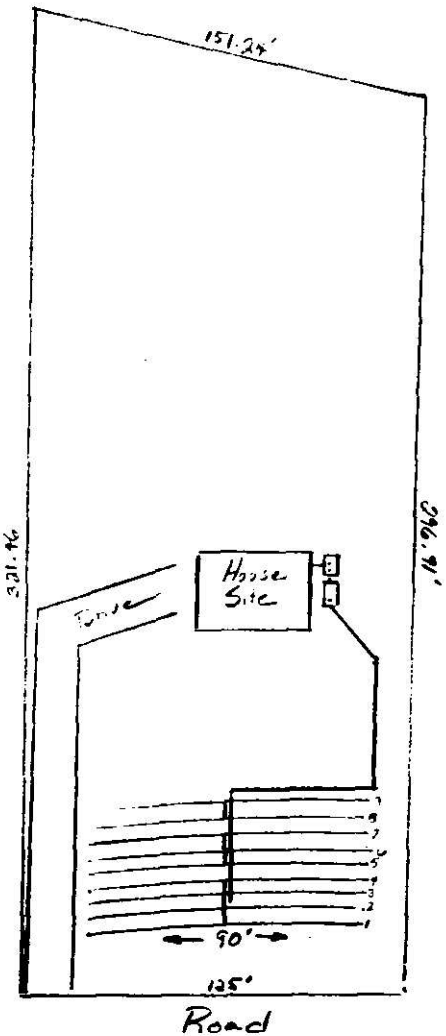
Lot *6

4 bdrm = 480 gal/day

.1 a application rate

400 ft²

800 linear ft



Submitted by Ken Robertson
for RCS, Inc.

Lot #6W
Farmwood

## LPP Systems Design Specifications

Daily waste flow 480gal
Septic tank size 1500gal
Pumping tank size 1000gal
Effluent loading rate .12
Absorption area 1100ft²
Total lateral length 800
Lateral diameter 1¼" PVC (sch 160)
Lateral Configuration 75'x 90'
Supply line length 130
Supply line diameter 3" PVC (sch 40)
Manifold placement center
Check valve required? no

Total flow 51.43 gal
Elevation head 16 ft
Friction head 4.09 ft
Pressure head 2 ft
Total head 22.09 ft
Pump requirements 51.43 gal @ 22.09 ft.
Lateral storage volume 72 gal
Supply line storage volume 21.06 gal
Total storage volume 93.36 gal
Dosing volume 350 gal
Dosing depth 14
Hole spacing location no less than 30 inches between holes and end of pipe/ last hole* max 10'

### DRAINFIELD DESIGN*

| LINE NO. | HOLE SIZE | NO. HOLES | HEAD PRESS. | FLOW/ HOLE | HOLE SPACING | FLOW/ LINE | FLOW/ FOOT** |
|---|---|---|---|---|---|---|---|
| 1 | 5/32 | 16 | 2' | .41 | 5.0' | 6.56 | |
| 2 | 5/32 | 14 | 2.4' | .44 | 5.7' | 6.16 | |
| 3 | 5/32 | 13 | 2.8' | .48 | 6.1' | 6.24 | |
| 4 | 5/32 | 12 | 3.0' | .5 | 6.7' | 6.0 | |
| 5 | 5/32 | 15 | 2.0' | .41 | 5.3' | 6.15 | |
| 6 | 5/32 | 13 | 2.4' | .44 | 6.1' | 5.72 | |
| 7 | 5/32 | 11 | 2.8' | .48 | 7.3' | 5.28 | |
| 8 | 5/32 | 12 | 2.0' | .41 | 6.7' | 4.92 | |
| 9 | 5/32 | 10 | 2.4' | .44 | 8.0' | 4.40 | |

*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 21298

| Line No. | Hole Size | (Conv) | No. Holes | Head Press. | Flow/ Hole | Hole Spacing | Flow/ Line | Flow/ Foot | Line Length |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 5/32 | 0.1563 | 16 | 2.00 | 0.41 | 5.7 | 6.51 | 0.072 | 90 |
| 2 | 5/32 | 0.1563 | 14 | 2.40 | 0.45 | 6.7 | 6.24 | 0.069 | 90 |
| 3 | 5/32 | 0.1563 | 12 | 2.80 | 0.48 | 8.0 | 5.78 | 0.064 | 90 |
| 4 | 5/32 | 0.1563 | 12 | 3.00 | 0.50 | 8.0 | 5.98 | 0.066 | 90 |
| 5 | 5/32 | 0.1563 | 14 | 2.00 | 0.41 | 6.7 | 5.70 | 0.063 | 90 |
| 6 | 5/32 | 0.1563 | 14 | 2.40 | 0.45 | 6.7 | 6.24 | 0.069 | 90 |
| 7 | 5/32 | 0.1563 | 12 | 2.80 | 0.48 | 8.0 | 5.78 | 0.064 | 90 |
| 8 | 5/32 | 0.1563 | 12 | 2.00 | 0.41 | 8.0 | 4.88 | 0.054 | 90 |
| 9 | 5/32 | 0.1563 | 10 | 2.40 | 0.45 | 10.0 | 4.46 | 0.050 | 90 |
| | | | 116 | | | | 51.584 | | |

Hold
RCS to Stike
drainfield + call
BDH
10/24/85