Date Received 8-13-84

RECEIVED
AUG 13 1984
ENVIRONMENTAL HEALTH

SIR No. 21299

T. C. No. 13-391-05

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

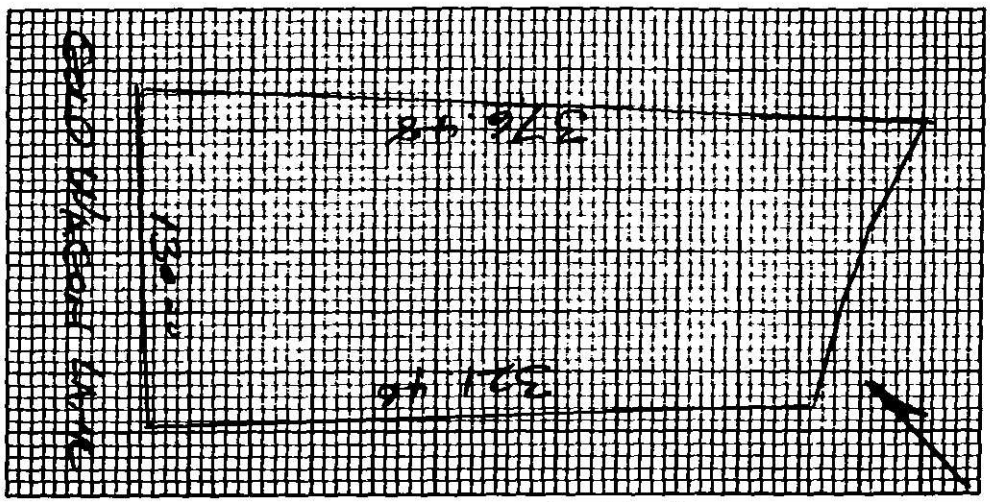
4) LOCATION OF PROPERTY 5920 OLD WAGON LANE
(STREET OR COUNTY ROAD)

5) SUBDIVISION FARMWOOD SEC 20 LOT NO. 5 BLOCK NO. W

MAP BOOK NO 20 PAGE NO. 417

6) DEED REFERENCE: DEED BOOK [redacted] PAGE NO. [redacted]

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

BHD-5-76

Environmental Health Department's Copy

DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21299

T.C. NO. 10135-31145

(Ground Absorption Sewage Disposal)

OWNER: Bob McLemore Co. Inc.
ADDRESS: P.O. Box 35746 Charlotte, N.C. 28212

PLAT NO: 5-W
LOT SIZE: 1.0 A

LOCATION OF SITE: 5420 Tuckaseegee Road

| FACTORS | AREA 1 | AREA 2 | AREA 3 | AREA 4 |
|---|---|---|---|---|
| 1. SLOPE (%) | S<br>PS<br>U | S<br>PS<br>U | S<br>PS<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<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<br>U | S<br>PS<br>U |
| 4. SOIL DEPTH (inches) | S<br>PS<br>U | S<br>PS<br>U | S<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<br>PS<br>U | S<br>PS<br>U |
| 6. SOIL DRAINAGE/GROUNDWATER (external and internal) | S<br>PS<br>U | S Drainageway<br>PS Depression<br>U seasonal | S<br>PS<br>U | S<br>PS<br>U |
| 7. OTHER (Specify) | S Fill<br>PS<br>U | S Highwater<br>PS 12-24"<br>U | S<br>PS<br>U | S<br>PS<br>U |
| 8. SOIL GROUP | | | | |
| 9. SITE CLASSIFICATION | unsuitable | unsuitable | | |
| 10. SOIL SERIES | Fill | Drainageway Depression | | |

S - Suitable PS - Provisionally Suitable U - Unsuitable

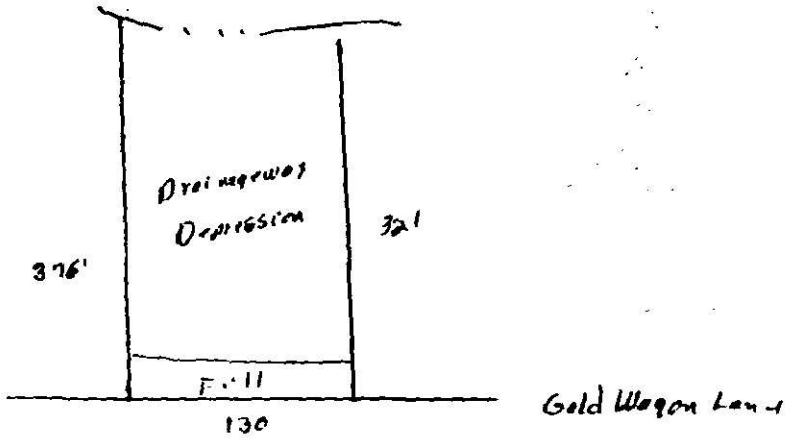
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: _____

Described by: William B. Marlin
Title: Soil Scientist

Date: 4-11-85

3d




Front 100-125' of lot checked w/ respect to suitability for low pressure pipe system on 11-10-05. Seasonal water table generally 24" or less. One boring of acceptable soils on right front corner, does not appear to have system installation and repair room.

# MECKLENBURG COUNTY
## Department of Environmental Health

April 12, 1985

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

Re: Property located at 5920 Gold Wagon Ln., SIR 21299, TC# PO 135-391-05

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.

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: 21299

TC: 135-391-05 L

MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH RECEIVED

**JOB LOCATION**

① ADDRESS: 5920 (STREET NO.) Goldwagon (STREET) Lane ② FILE:

③ CITY: Charlotte ④ TAX PARCEL NO.:

⑤ SUBDIVISION: Farmwood Sec 20 ⑥ LOT: 5 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: N.C. 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**

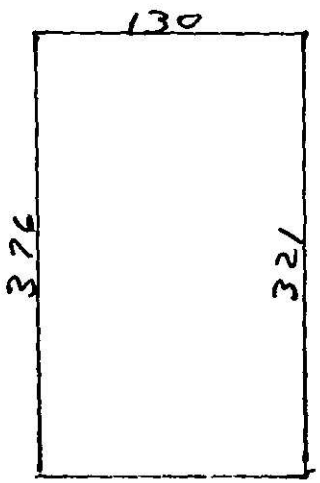
System will serve:

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?




㉘ Accurately dimensioned plot

**WATER SUPPLY**

㉙ Water supply from (present or proposed):

A ☐ Individual well

B ☐ Municipal system

C ☒ Community well

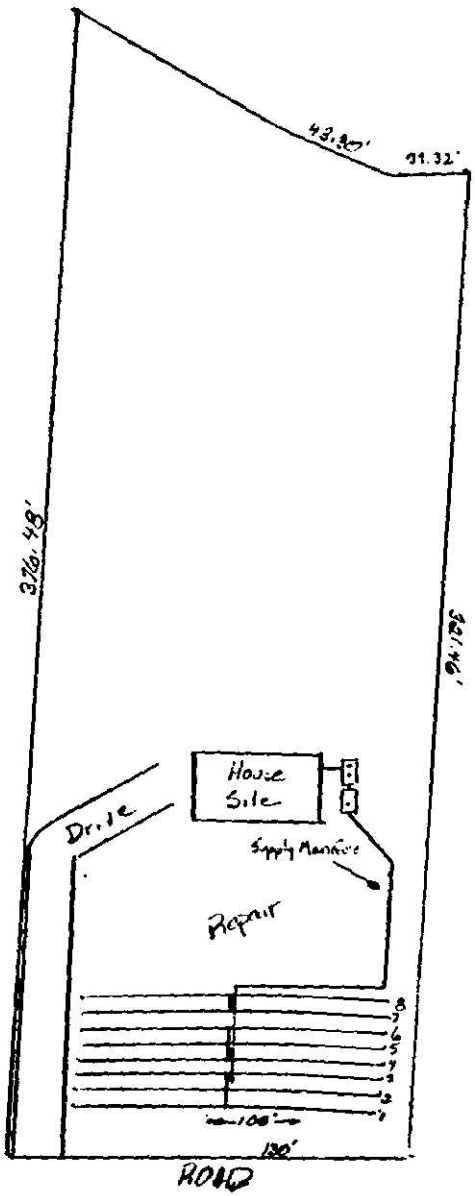
D ☐ Community system

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 [illegible]

Date: 10/1/85

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




Lot # 5

4 Bdrm = 480 gal/day
- 12 application rate
400 ft²
800 l/linear ft

Submitted by Ken Robertson
for RCS, Inc

Lot #5-W
Farmwood

## 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** 800 ft
**Lateral diameter** 1¼" PVC (sch 160)
**Lateral Configuration** 40' x 100'
**Supply line length** 140 ft
**Supply line diameter** 2" PVC (sch 40)
**Manifold placement** center
**Check valve required?** N/o

**Total flow** 46.38 gal
**Elevation head** 14 ft
**Friction head** 4.58 ft
**Pressure head** 2 ft
**Total head** 20.58 ft
**Pump requirements** 46.38 gal at 20.58 ft
**Lateral storage volume** 72 gal
**Supply line storage volume** 22.68 gal
**Total storage volume** 94.68 gal
**Dosing volume** 30
**Dosing depth** 14"
Hole spacing based on no less than 30 ... [illegible] ... holes are end of line / [illegible]

## DRAINFIELD DESIGN*

| LINE NO. | HOLE SIZE | NO. HOLES | HEAD PRESS. | FLOW/ HOLE | HOLE SPACING | FLOW/ LINE | FLOW/ FOOT** |
|---|---|---|---|---|---|---|---|
| 1 | 5/32 | 16 | 2 | .41 | 5.6' | 6.56 | |
| 2 | 5/32 | 14 | 2.5 | .45 | 6.4' | 6.30 | |
| 3 | 5/32 | 12 | 3.0 | .50 | 7.5 | 6.0 | |
| 4 | 5/32 | 15 | 2.0 | .41 | 6.0' | 6.15 | |
| 5 | 5/32 | 13 | 2.5 | .45 | 6.9' | 5.85 | |
| 6 | 5/32 | 12 | 2.8 | .48 | 7.5' | 5.76 | |
| 7 | 5/32 | 12 | 2.0 | .41 | 7.5 | 4.92 | |
| 8 | 5/32 | 11 | 2.4 | .44 | 8.2' | 4.84 | |

*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 21299

| 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 | 6.4 | 6.51 | 0.065 | 100 |
| 2 | 5/32 | 0.1563 | 14 | 2.50 | 0.46 | 7.5 | 6.37 | 0.064 | 100 |
| 3 | 5/32 | 0.1563 | 12 | 3.00 | 0.50 | 9.0 | 5.98 | 0.060 | 100 |
| 4 | 5/32 | 0.1563 | 14 | 2.00 | 0.41 | 7.5 | 5.70 | 0.057 | 100 |
| 5 | 5/32 | 0.1563 | 12 | 2.50 | 0.46 | 9.0 | 5.46 | 0.055 | 100 |
| 6 | 5/32 | 0.1563 | 12 | 2.80 | 0.48 | 9.0 | 5.78 | 0.058 | 100 |
| 7 | 5/32 | 0.1563 | 14 | 2.00 | 0.41 | 7.5 | 5.70 | 0.057 | 100 |
| 8 | 5/32 | 0.1563 | 12 | 2.40 | 0.45 | 9.0 | 5.35 | 0.054 | 100 |
| | | | 106 | | | | 46.857 | | |

Hall-Tull drawing dated.

BPH
10/24/85