Date Received 3/22/78

APT No. 13755

T. C. No. D33086-04

Map Date 8-9-77

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH

APPLICATION FOR SOIL INVESTIGATION

1) NAME OF OWNER Moore Charles D. + Rose M.
LAST FIRST MIDDLE

2) ADDRESS OF OWNER 5201 Pine Brook Dr Charlotte, N.C. ZIP 28208

3) PHONE NO Home 524-1772 Office 572-7134

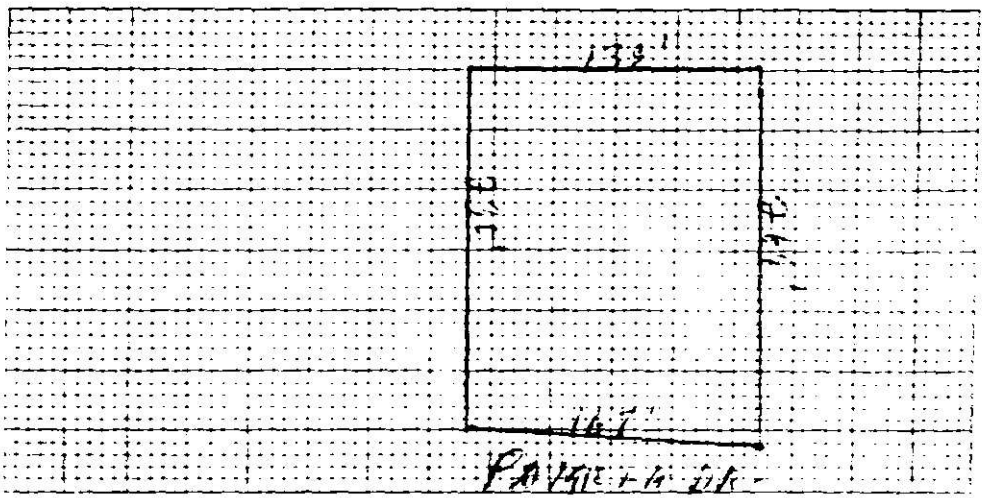
4) LOCATION OF PROPERTY Pamela Dr.
STREET OR COUNTY ROAD

5) SUBDIVISION Cardale Acres LOT NO 4 BLOCK NO B

MAP BOOK NO 8 PAGE NO 275

6) DEED REFERENCE DEED BOOK 1973 PAGE NO 213

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

Charles D. Moore
OWNER

EHD-5-76

Environmental Health Department's Copy

NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
RALEIGH, NORTH CAROLINA

APPENDIX H
SITE EVALUATION

apt 13755

(Ground Absorption Sewage Disposal)

OWNER: [illegible]
ADDRESS: [illegible]
COUNTY: [illegible]
LOCATION OF SITE: PAMELA DR #4

DATE REQUESTED: —
PLAT NO.: 033-086-04
LOT SIZE: 38.173 sq ft

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S PS 1% U	S PS U	S PS U	S PS U +
2. SOIL TEXTURE (12-36 in.) (Sandy, loamy, clayey, Note 2:1, Clay)	S [illegible] PS [illegible] U	S PS U	S PS U	S PS U
3. SOIL STRUCTURE (12.36 in.) (Clayey Soils)	S PS [illegible] U	S PS U	S PS U	S PS U
4. SOIL DEPTH (In.)	S 48" PS U	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (In.) (Imprevious Strata, Rock)	S [illegible] PS [illegible] U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (External & Internal)	S [illegible] PS water U	S PS U	S PS U	S PS U
7. SOIL PERMEABILITY (Percolation Rate)	S PS [illegible] U	S PS U	S PS U	S PS U
8. OTHER (Specify)	S [illegible] PS [illegible] U	S PS U	S PS U	S PS U
9. SITE CLASSIFICATION	unsuitable ~~[illegible]~~			
SOIL SERIES	MECKLENBURG			

S - Suitable PS - Provisionally Suitable U - Unsuitable

* See Diagram on Back (Include: Soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slope patterns, etc)

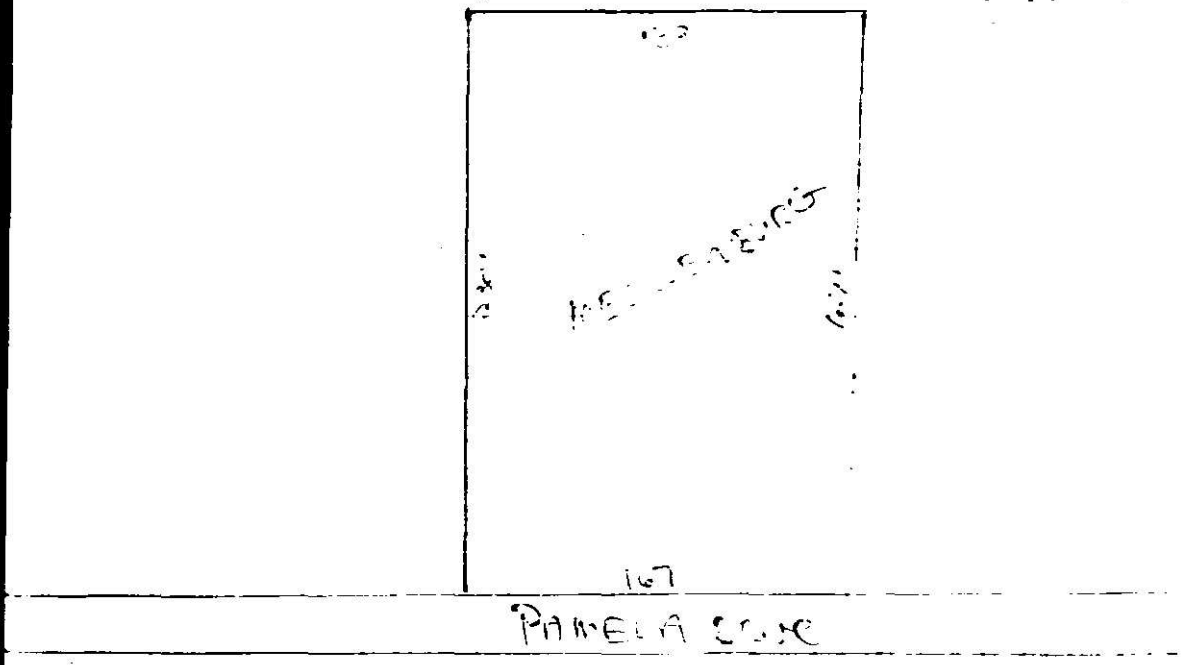
Recommendations/Comments:

Described By: [illegible]

Title: Environmental

Date:

DHS Form 2601 (2/77)
Sanitation


167
PAMELA CLOSE

MECKLENBURG COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH
1200 BLYTHE BOULEVARD
CHARLOTTE, NORTH CAROLINA 28203

SITE INVESTIGATION REPORT
INDIVIDUAL SEPTIC TANK SYSTEM
WITH SUBSURFACE,
SOIL ABSORPTION,
EFFLUENT DISCHARGE

SER.NO. 13755
T.C. NO. 033-006-04
MAP DATE 4-3-78
DATE 4-3-78

NAME OF OWNER Moore, Charles D. & Rose M.

ADDRESS OF OWNER 5201 Pinebrook Drive, Charlotte, N. C. 28208

LOCATION OF LOT Pamela Drive, Lot 4, Block B

At your request and pursuant to Section.1900 of the North Carolina Administrative Code, Title 10, Department of Human Resources, Chapter 10, Health Services, Subchapter 10A, a site evaluation has been made for an on premises ground absorption sewage disposal system on the property designated above and the following conditions were found:

Soil structure Massive
Soil permeability unsuitable

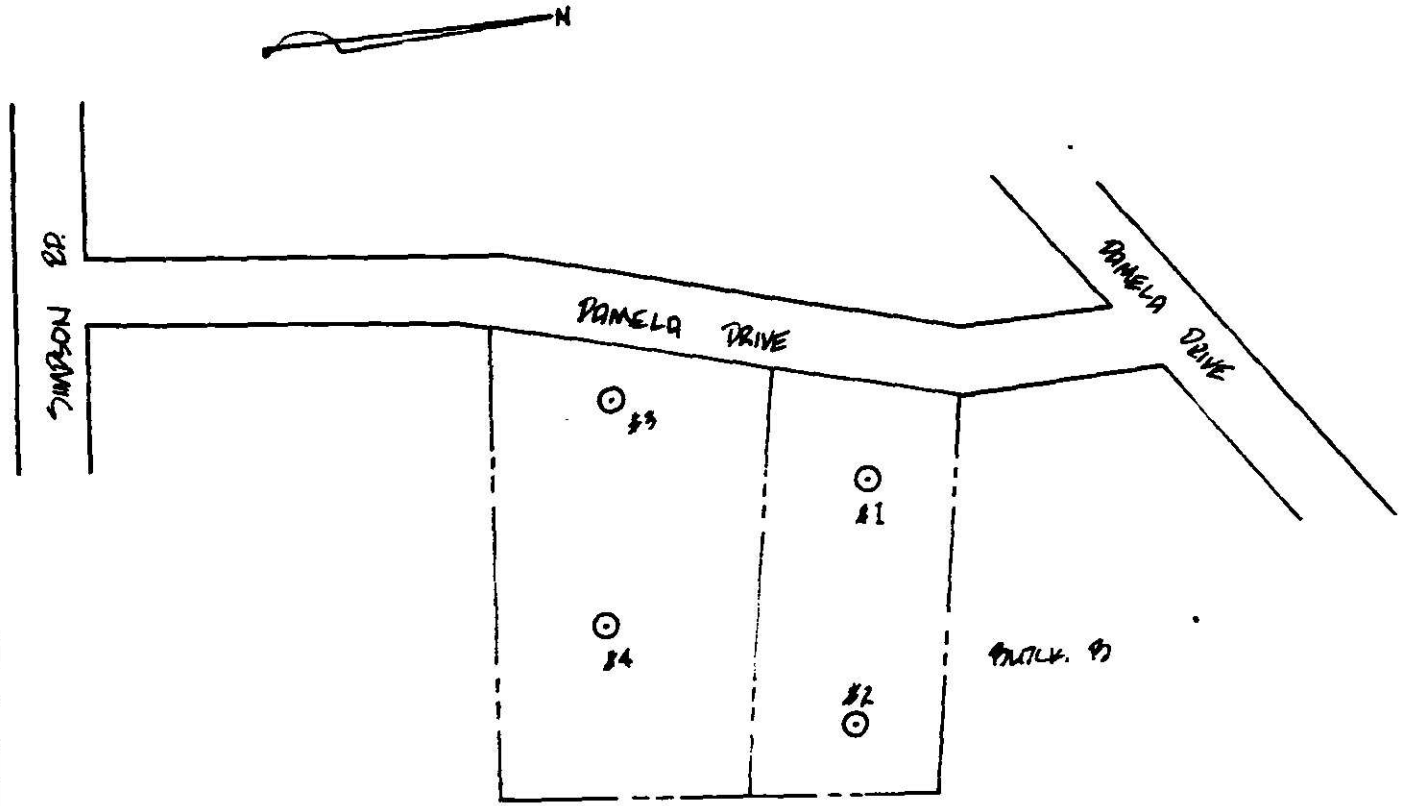
Section 10 of the North Carolina Administrative Code 10A, .1910 of these regulations states "Sites originally classified as unsuitable may be used for soil absorption disposal systems, provided engineering, hydrogeologic, and soils studies indicate to the local agency that a suitable septic tank system or a suitable alternate system can reasonably be expected to function satisfactorily.

Section 10, North Carolina Administrative Code 10A, .1916 states that "The design, construction, and maintenance of ground absorption sewage systems, whether septic tank systems or alternate systems shall be the responsibility of the owner, developer, installer, and user of the system as applicable in the circumstances."

We would also advise you that according to Regulation 10, North Carolina Administrative Code 10A, .1916 (b), "Actions of representatives of state or local agencies engaged in the evaluation and determination of measures required to effect compliance with the provisions of this section shall in no way be taken as a guarantee that sewage disposal systems approved and permitted will function in a satisfactory manner for any given period of time or that such employees assume any liability for damages, consequential or direct, which has caused or which may be caused, by a malfunction of such system.

These regulations became effective July 1, 1977. Since that time the second sentence of Section .1910 (c) has been found to be nugatory. For this reason, if you desire to file for permission to install an "alternate" system you should present this office with your proposals in the form of plans and specifications. These would be reviewed and if it is found that the system may reasonably be expected to function satisfactorily approval may be given on the execution by you of a "Septic Tank Agreement Form" available in this office.

John R. Robertson, Environmentalist



Legend

⊙ PERCOLATION TEST LOCATIONS.

SSI

Soil Systems, Inc.

Project

DAVID MOORE

OAKDALE TOWNSHIP

OUR PROJECT NO. SYC-372.

Restrictive Strata: No rock or other restrictive horizons were encountered within 5 feet below the ground surface.

Soil Permeability: Four percolation tests were performed in the lots at the approximate locations shown on the attached plan. These tests were in the silt soils. The results of the tests taken 30 inches below grade follow:

Test Location	Soil Percolation Rate
Lot 4 - Test 3	10 minutes/inch
Lot 4 - Test 4	30 minutes/inch
Lot 5 - Test 1	45 minutes/inch
Lot 5 - Test 2	20 minutes/inch

The design soil percolation rate is 45 minutes/inch.

These percolation tests were completed in accordance with the Manual of Septic Tank Practice, Public Health Service publication 526.

EVALUATIONS

Both lots are suitable for septic tank absorption fields provided that the bottom of the trench is no more than 2 feet below existing grade. This will provide a trench bottom one foot above the water table. This may require regrading the site to provide necessary ground cover.

The allowable application rate of 0.7 gallons per square foot per day may be used to design the septic field based on a percolation rate of 45 minutes per inch.

Should you have any questions or require additional data, please contact us.

Sincerely,

SOIL SYSTEMS, INC.

Richard T. Hunt, P. E.
Geotechnical Engineer

William G. Smith, P. E.
Vice President
Chief Engineer

RTH/WGS:mbw

Soil and Foundation Consulting
Materials Testing
Site and Environmental Analysis

Soil Systems, Inc.
8040 Old Pineville Road
Charlotte, North Carolina 28210
Phone 704 527 0291

May 15, 1978

Mrs. David Moore
5201 Pinebrook Drive
Charlotte, North Carolina 28208

Subject: Evaluation of Soil Percolation Test Data
Pamela Drive
Block B, Lots #4 & 5
Oakdale Township
Charlotte, North Carolina
Our Project Number SSC-372

Dear Mrs. Moore:

Soil Systems, Inc. has completed the field testing and evaluation of four soil percolation tests at the subject site.

This report summarizes our findings at the site, presents the percolation rates measured in the field, and evaluates these data.

SITE CONDITIONS

General: The site is located in Mecklenburg County, North Carolina, Oakdale Township, at Block B as shown on the attached map.

Slope: The site slopes less than 10% away from Pamela Drive.

Soil Texture: The soils encountered at the four 30-inch deep percolation test locations is texturally a brown fine to medium sandy clay in the top 18 inches, underlain by a fine to medium sandy silt from 18 inches to 60 inches. These soils are residual materials that have weathered in-place from the underlying parent bedrock.

Ground Water: The ground water level at the time of these tests was 3 feet below the ground surface.

May 19, 1978

Mr. T. W. Bivens
Department of environmental Health,
Mecklenburg
1200 Blythe Blvd.
Charlotte, North Carolina 28203

Dear Mr. Bivens:

Approximately two months ago, we had five lots perked, which we own, in Mecklenburg County - Oakdale Section. I received the results back in April telling me the following:

SOIL - MASSIVE
PERMABILITY - UNSUITABLE.

I then called in an engineering firm to evaluate the property. Their findings were this property is suitable for a septic tank disposal system.

By copy of this letter, I am asking for a hearing on subject property.

Yours very truly,

Mrs. David Moore

Mrs. David Moore
5201 Pinebrook Drive
Charlotte, N. C. 28208
Phone: 394-1773 (home)
372-7134 (office)

rm/

MECKLENBURG COUNTY

DEPARTMENT OF ENVIRONMENTAL HEALTH

INTER-OFFICE COMMUNICATION

DATE: June 1, 1978

TO: Mr. Sam Rich

FROM: William R. Marlin

SUBJECT: Apt. #13755
Pamela Drive Lot 4 Block B

The lot was re-investigated on May 31, 1978. No change in the status of the original report was indicated as a result of the re-investigation.

WRM:arg