

13423 EASTFIELD RD

12/27/2007

duponbj

Groundwater and Wastewater Services File Imaging Project

May 2007

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SOIL AND SITE REPORT FOR A GROUND ABSORPTION WASTEWATER SYSTEM

by

JOE LYNN, REGIONAL SOIL SPECIALIST
ON-SITE WASTEWATER SECTION
DIVISION OF ENVIRONMENTAL HEALTH

Submitted to:

BILL MARLIN, SOIL SCIENTIST
MECKLENBURG COUNTY HEALTH DEPARTMENT

MAY 17, 1994

Joe Lynn
Regional Soil Specialist

SUMMARY

This site is **UNSUITABLE** for a ground absorption wastewater treatment and disposal system under current laws and rules 15A NCAC 18A .1900. **No ground absorption wastewater (septic tank) system can be permitted on this site.**

Conventional systems	NO
Shallow conventional systems	NO
Large Diameter Pipe systems	NO
Prefabricated Porous Block Panel systems	NO
Low Pressure Pipe Systems	NO
Fill Systems	NO
Aerobic Treatment Systems	NO

This report gives a brief summary of the findings, conclusions, and recommendations.

If you have any questions or I can be of assistance contact me at the Mooresville Regional Office (704) 663-1699.

INTRODUCTION

COUNTY: Mecklenburg

OWNER/APPLICANT: Charles Crawford

LOCATION: Eastfield Road

TYPE OF FACILITY: Residence

DESIGN UNIT: 360 gpd

PROPOSED WATER SUPPLY: On-site well

EVALUATED BY: Joe Lynn assisted by Bill Marlin using hand augers

DATE OF EVALUATION: March 30, 1994

OTHER(S) PRESENT: N/A

SITE INFORMATION

AREA/PRESENT USE: Approximately 2.25 acres / wooded

TOPOGRAPHY: 2 to 6 percent

LANDSCAPE POSITION: Linear slope

SITE LIMITATIONS: Well / small drainage way / depressions

SOIL INFORMATION

SOIL TEXTURE: (surface) Sandy loam and clay loam
(subsoil) Clay and little sandy clay

SOIL STRUCTURE: (subsoil) Blocky

CLAY MINERALOGY: Expansive at 0 to 20 inches

SOIL DEPTH: 14 to 37 inches to saprolite, rock, or parent material

SAPROLITE: 14 to 37 inches to unsuitable saprolite

SOIL WETNESS: 5 to 25 inches to chromas of 2 or less

RESTRICTIVE HORIZONS: None

AREA of S or PS SOIL: None found

CONCLUSIONS

This site is unsuitable for the installation of a conventional ground absorption wastewater system due to:

1. Unsuitable Topography and Landscape Position — Section .1940
   Drainage feature (gully) and depressions
2. Unsuitable Soil Characteristics — Section .1941
   Expansive clay mineralogy
3. Unsuitable Soil Wetness — Section .1942
   Chromas of 2 or less from Munsell Color Book
4. Insufficient Soil Depth — Section .1943
   Soil depths of less than 36 inches
5. Insufficient Available Space — Section .1945
   Not enough area for an initial sewage system and a repair if needed.

The site is Unsuitable under Rule .1956 Modifications to Septic Tank Systems. Neither shallow trenches, large diameter pipe, nor porous block panel systems are options for this site. The saprolite is unsuitable by this rule (mafic rock). Drainage will not be sufficient to reclassify the site to Provisionally Suitable.

The site is Unsuitable under Rule .1957 Alternative Sewage Systems. Neither a low pressure pipe system, fill system, nor an aerobic treatment unit are options for this site.

RECOMMENDATIONS

The owner has the following options that might allow the use of this property as desired:

1. The applicant may purchase other Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
2. The applicant may obtain an easement on a Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
3. The Division of Environmental Management in Mooresville, N. C. at (704) 663-1699 may be contacted to pursue options available through that office.
4. A sewage system can be pursued under Rule 1948 (d). Written documentation must be submitted to your office showing that the proposed sewage system can be expected to function properly. The data must contain the following:
   A. The effluent must be non-pathogenic, non-infectious, non-toxic, and non-hazardous.
   B. The ground water and the surface water must not be contaminated by the effluent.
   C. The effluent must not be exposed to the ground surface or discharged to surface waters where it could come into contact with people, animals, or vectors.

Mecklenburg County

Health Department

Betty S. Snow, R.N., M.A.
Health Director

November 8, 1993

Mr. Ronald Brigmon
1564 Annapolis Drive
Glen Burnie, Md. 27060

RE: Property located at Eastfield Road
FILE: 2043B/9214A
PARCEL: 021-132-04

Dear Mr. Brigmon:

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 15A NCA 18A .1900 of Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, August 1, 1991. Evaluation Report (Serial Number 20127) is enclosed.

The soil on this property is not suitable for use with any conventional, modified or alternative system of which I am aware. If you wish to exercise your right of appeal concerning the interpretation and enforcement of these rules you may do so in accordance with G.S. 150B-23.

If there are any questions, please contact Bill Marlin at 336-5574.

Sincerely,

Kelly Randall

Kelly Randall, R.S., Soil Scientist
Individual Water and Wastewater Systems

Enclosure

KR:lw

MECKLENBURG COUNTY HEALTH DEPARTMENT
SITE EVALUATION REPORT
SERIAL NUMBER 20127

File: ~~20193~~ 2043 B1 9214A Action 3

Parcel: 021-132-04 PC

Location: Eastfield Road

Subdivision:

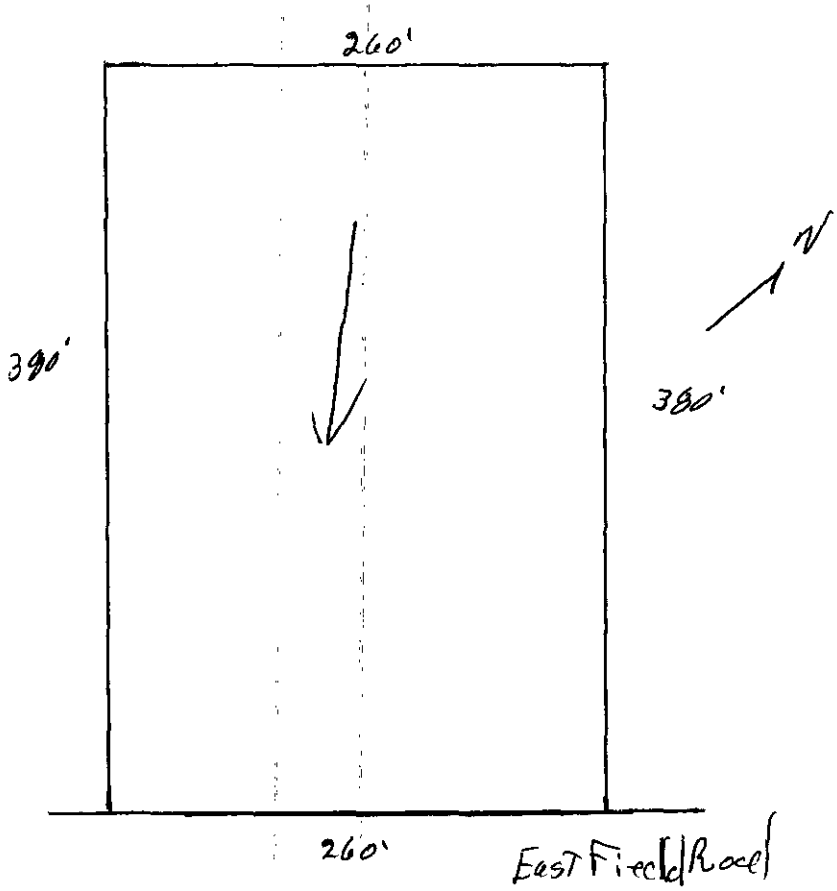
Lot: Block: Acres: 2.27

Owner: Ronald Brigmon
Address: 1564 Annapolis Dr.
Glen Burnie, Md.
21060

Comments:

Described by: William A. Merlin

Date: 11-5-93



*** EVALUATION KEY ***

S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	(S) PS U 2-8%	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S PS (U) Expansive clay	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U 42 Subt Blocky	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S PS (U) perched water 8-24"	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS (U) 20-30"	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U 7.36"	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S (PS) U	S PS U	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	Irdell Like					
Area Classification	S PS (U)	S PS U	S PS U	S PS U	S PS U	S PS U

MECKLENBURG COUNTY HEALTH DEPARTMENT
SITE EVALUATION REPORT
SERIAL NUMBER 20127

RHD File: ~~20193~~ 2043 B/9314A Action 3

Parcel: 031-132-04 PC

Location: Eastfield Road

Subdivision:

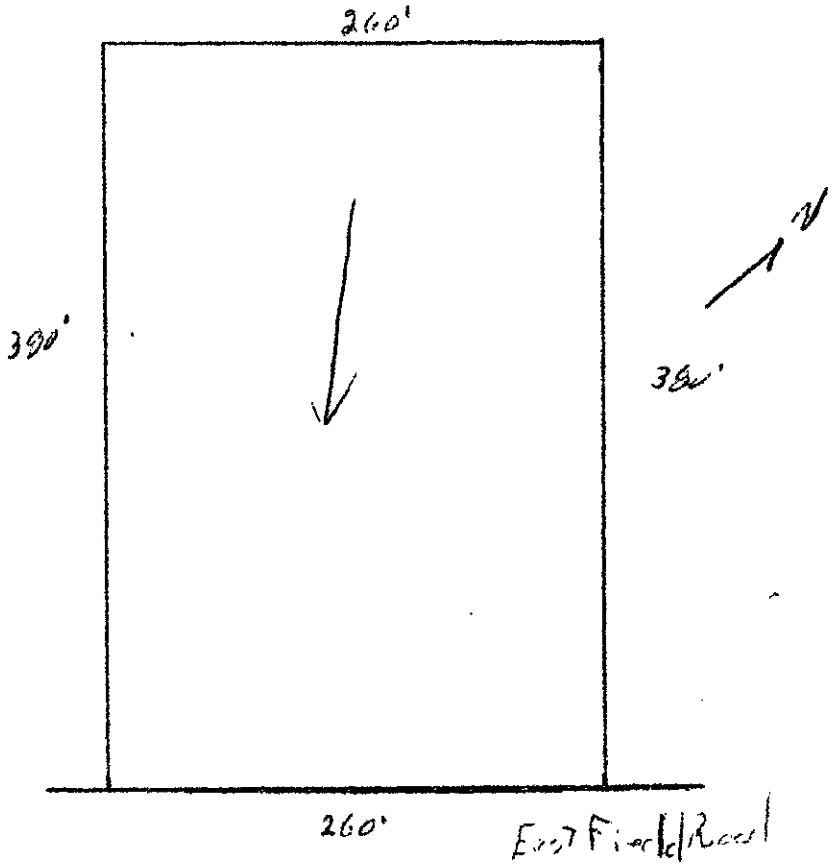
Lot: Block: Acres: 2.27

Owner: Ronald Brigman
Address: 15714 Annapolis Ln.
Huntersville, NC. 28078

Comments: _____

Described by: William H. Martin

Date: 11-5-93



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S = Suitable U = Unsuitable
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Texture	S PS (U) Expansive clay	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U 22 Subangular Blocky	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S PS (U) poor hardwater 6-24"	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS (U) 20-30"	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U 36"	S PS U	S PS U	S PS U	S PS U	S PS U
Available Space	S (PS) U	S PS U	S PS U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	Iredell Like					
Area Classification	S PS (U)	S PS U	S PS U	S PS U	S PS U	S PS U

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

-2093B/5249

125' ch 10/25/93 [ ] CRT

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
Charlotte, NC 28202

(704)336-5102

Date:

PERSON FILING APPLICATION:
NAME: Oakley (last) Floyd (first) (mi)
ADDRESS: Mary Ryder Realty PHONE: ( ) 541-6100
CITY: Chr STATE: ZIPCODE:

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: 021-132-04
STREET ADDRESS: Eastfield Rd
ZONING: R3

PROPERTY OWNER:
NAME: Brigman (last) Ronald (first) (mi)
ADDRESS: 1564 Annapolis Dr PHONE: ( ) 410 761 7750 H 410 850 4500 W
CITY: Glen Burnie STATE: Md ZIPCODE: 21060

SUBDIVISION OR MOBILE HOME PARK NAME:

Township (check one):
[X] 0 Mecklenburg County [ ] 2 Davidson [ ] 4 Pineville [ ] 6 Huntersville
[ ] 1 Charlotte [ ] 3 Cornelius [ ] 5 Matthews [ ] 7 Mint Hill

TYPE APPLICATION (check one):

LOT NUMBER: LOT SIZE (in acres):

[X] SOIL TEST - INDIVIDUAL LOT (O)
[ ] NEW CONSTRUCTION ON VACANT LOT - 4 BEDROOMS OR LESS (N)
[ ] EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
[ ] ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A or N)
[ ] COMMERCIAL OR INDUSTRIAL (N)
[ ] SOIL TEST DEVELOPMENT (P)
[ ] ADDITION - GARAGE OR RENOVATION/NO MAJOR CHANGES (X)
[ ] MODIFIED /ALTERNATIVE/ OR RESIDENCE > 4 BEDROOMS (Z)
[ ] REPAIR TO SYSTEM (R)

RESIDENTIAL PROPERTY (Type Building, check one):
[ ] SINGLE MOBILE HOME (S) [ ] HOUSE (H) [ ] MULTIPLE FAMILY (U)
[ ] DOUBLE WIDE (D) [ ] MODULAR HOME (M) [ ] OTHER _____ (O)

NUMBER BEDROOMS: NUMBER OCCUPANTS:
SYSTEM CLASSIFICATION:

COMMERCIAL/INDUSTRIAL PROPERTY:
Type Business _____ # Employees ___ Per Shift ___ ___ ___
Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) ___ Type _____

WATER SUPPLY (check one):
[ ] Community (C) [ ] Shared Well (S)
[ ] Municipal (M) [ ] Other 'spring' (O)
[ ] Private Well (P)

FUTURE ADDITIONS - ALL PLANNED ADDITIONS MUST BE ENTERED (check all that apply):
[ ] Swimming Pool [ ] Jacuzzi [ ] Stable/Barn [ ] Workshop [ ] None
[ ] Garage [ ] Storage Building [ ] Deck/Patio [ ] Bedrooms [ ] Other

The undersigned, owner, or legal agent for the 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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: _____ Date: 10/21/93

NOTICE:

Mail copy to: FLOYD OAKLEY
REALTOR

FOR SALE New Era Since 1965

Ofc 704/541-6100 • Fax 704/543-7382
1-800/896-RELO • Pager 581-3938
Suite 206
7800 Providence Road
Charlotte, North Carolina 28226

; COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the ment. This approval is granted in accordance with the provisions of Laws d Disposal in effect at the time of issuance of the permit and is subject

until air

[ ] IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
[ ] MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
[ ] ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

Environmentalist Date

Director or Authorized Section Head Date

WATER - 122791

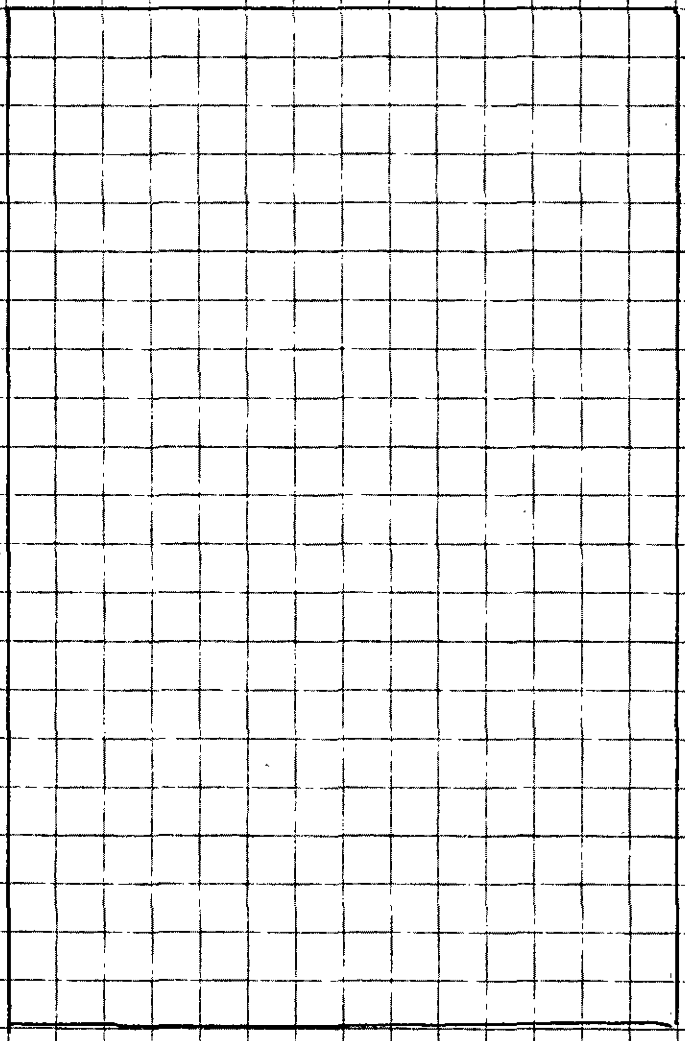
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 20438/BNA

TC: 021-132-04

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



APPROVAL DATE _____

White - Health Department's Copy Canary - Environmentalist's Copy Pink - Owner's Copy

Mecklenburg County
Health Department

Application for
Inspection of Public Records

By completing the following form, the undersigned does hereby make application to inspect the specified public records under the supervision of authorized personnel. This inspection is in accordance with North Carolina General Statute 132-6.

Name of person making request: Floyd Oakley

Address: 7800 Providence Rd. Ste 206 28226

Description of public record requested: soil test inspection

Street Name (or County Road): 2126 Eastfield

File #2043 B Lot: _____ Block: _____

Parcel Number: _____

Owner's Name: Ronald Bajmm

Reason for Request:

agent for owner

Signature of Person Making Request: Floyd Oakley

Supervisory Person: _____

Date: 11/12/93 Time: _____

Environmental Health Division

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

2043B/5214 P 125.00 chk 10/20/93 [ ] CRT

Mecklenburg County Health Dept.
Environmental Health Division
c/o Hal Marshall Ctr., Suite 211
700 N. Tryon St.
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(704)336-5102

Date:

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CITY: Clmr STATE: ZIPCODE:

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[ ] DOUBLE WIDE (D) [ ] MODULAR HOME (M) [ ] OTHER _____ (O)

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Industrial Wastes (Y/N) ___
Underground Storage Tanks On Property (Y/N) ___ Type _____

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Mail copy to Floyd to repair

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PROPOSED PLOT PLAN

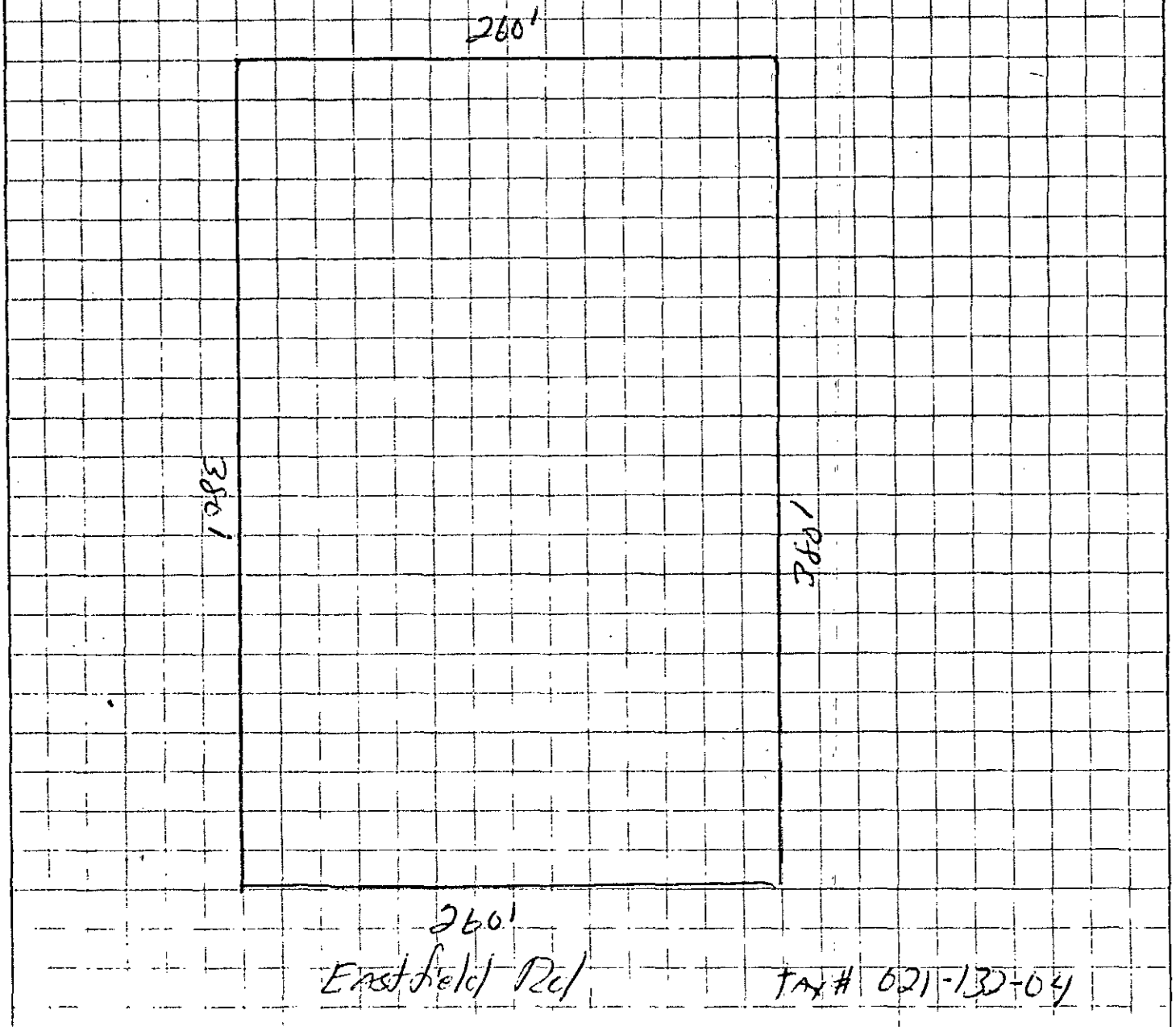
COPY

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 20438/B24A

TC: 021-132-04

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



APPROVAL DATE _____

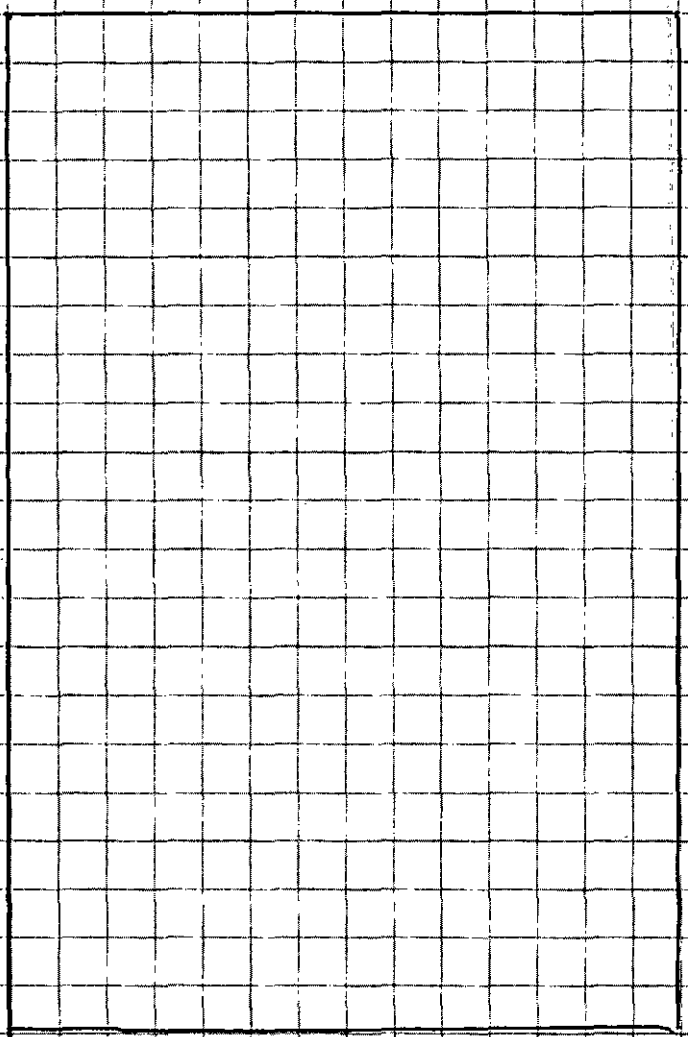
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ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 2043R/92A/A

TC: 021-132-04

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.

260'

1085

260'

260'

East field Rd

TAX # 021-132-04

APPROVAL DATE _____

White - Health Department's Copy Canary - Environmentalist's Copy Pink - Owner's Copy

Mecklenburg County

Health Department

Betty S. Snow, R.N., M.A.
Health Director

May 24, 1994

Mr. Chuck Crawford
1916 Galloway Road
Charlotte, NC 28262

Re: File No 2043B

Dear Mr. Crawford:

Enclosed is the copy of the report from Joe Lynn for the property (Tax Parcel No. 021-132-04) located on Eastfield Road.

Sincerely,

William R. Marlin

William R. Marlin
Soil Scientist
Individual Water and Wastewater Systems

cc: File No. 2043B

WM:lw

Enclosure

letter copy ~~[illegible]~~ A

2043B

Chuck Crawford

1916 Dalloway Road

Charlotte, N.C. 28262

Dear Mr. Crawford:

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Sincerely,

William R. Mullis

Soil Scientist

Chuck Crawford
1916 Galloway Road
~~Charlotte~~
Charlotte,
~~28216~~
28262

SOIL AND SITE REPORT FOR A GROUND ABSORPTION WASTEWATER SYSTEM

by

JOE LYNN, REGIONAL SOIL SPECIALIST
ON-SITE WASTEWATER SECTION
DIVISION OF ENVIRONMENTAL HEALTH

Submitted to:

BILL MARLIN, SOIL SCIENTIST
MECKLENBURG COUNTY HEALTH DEPARTMENT

MAY 17, 1994

Joe Lynn
Regional Soil Specialist

SUMMARY

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Large Diameter Pipe systems	NO
Prefabricated Porous Block Panel systems	NO
Low Pressure Pipe Systems	NO
Fill Systems	NO
Aerobic Treatment Systems	NO

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If you have any questions or I can be of assistance contact me at the Mooresville Regional Office (704) 663-1699.

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COUNTY: Mecklenburg

OWNER/APPLICANT: Charles Crawford

LOCATION: Eastfield Road

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PROPOSED WATER SUPPLY: On-site well

EVALUATED BY: Joe Lynn assisted by Bill Marlin using hand augers

DATE OF EVALUATION: March 30, 1994

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SITE INFORMATION

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SOIL INFORMATION

SOIL TEXTURE: (surface) Sandy loam and clay loam
(subsoil) Clay and little sandy clay

SOIL STRUCTURE: (subsoil) Blocky

CLAY MINERALOGY: Expansive at 0 to 20 inches

SOIL DEPTH: 14 to 37 inches to saprolite, rock, or parent material

SAPROLITE: 14 to 37 inches to unsuitable saprolite

SOIL WETNESS: 5 to 25 inches to chromas of 2 or less

RESTRICTIVE HORIZONS: None

AREA of S or PS SOIL: None found

CONCLUSIONS

This site is unsuitable for the installation of a conventional ground absorption wastewater system due to:

1. Unsuitable Topography and Landscape Position — Section .1940
   Drainage feature (gully) and depressions
2. Unsuitable Soil Characteristics — Section .1941
   Expansive clay mineralogy
3. Unsuitable Soil Wetness — Section .1942
   Chromas of 2 or less from Munsell Color Book
4. Insufficient Soil Depth — Section .1943
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5. Insufficient Available Space — Section .1945
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RECOMMENDATIONS

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1. The applicant may purchase other Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
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   B. The ground water and the surface water must not be contaminated by the effluent.
   C. The effluent must not be exposed to the ground surface or discharged to surface waters where it could come into contact with people, animals, or vectors.