

12/18/2007

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Groundwater and Wastewater Services File Imaging Project
May 2007
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State of North Carolina
Department of Environment, Health, and Natural Resources
Mooresville Regional Office

James G. Martin, Governor
William W. Cobey, Jr., Secretary

Albert F. Hilton, Regional Manager

TO: William Marlin, Soil Specialist
Mecklenburg County Health Department

FROM: Joe Lynn Regional Soil Specialist
Division of Environmental Health
On-Site Wastewater Section

SUBJECT: John H. Boyd property on N. C. 49

DATE: December 22, 1992

The above referenced property was evaluated for its suitability for a ground absorption sewage treatment and disposal system to serve a three bedroom residence. The site is Unsuitable under current laws and rules, 15A NCAC 18A .1900. The enclosed report gives a brief summary of the findings, conclusions, and recommendations.

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

P.O. Box 950, 919 North Main Street, Mooresville, N.C. 28115-0950 • Telephone 704-663-1699 • FAX 704-663-6040

An Equal Opportunity Affirmative Action Employer

SOIL/SITE REPORT

GENERAL INFORMATION

COUNTY: Mecklenburg **DATE:** December 22, 1992

OWNER/APPLICANT: John H. Boyd, Jr.

LOCATION: N. C. 49, property ID# 219-011-12

TYPE OF FACILITY: Residence **DESIGN UNIT:** 360 gpd

PROPOSED WATER SUPPLY: Municipal

EVALUATED BY: Joe Lynn and William Marlin using hand augers

DATE OF EVALUATION: October 29, 1992

OTHER(S) PRESENT: N/A

SITE INFORMATION

AREA/PRESENT USE: One acre / grass and few trees

TOPOGRAPHY: 2 to 4 percent

LANDSCAPE POSITION: Linear and foot slopes

SITE LIMITATIONS: N/A

SOIL INFORMATION

SOIL TEXTURE: (surface) Clay loam and loam
(subsoil) Clay

SOIL STRUCTURE: (subsoil) Blocky

CLAY MINERALOGY: Expansive and some slightly expansive

SOIL DEPTH: 8 to 12 inches to unsuitable soil condition

SOIL WETNESS: 18 inches to chromas of 2 or less

RESTRICTIVE HORIZONS: None

SAPROLITE: 24 inches to unsuitable saprolite

AREA of S or PS SOIL: None found

CONCLUSIONS

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

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

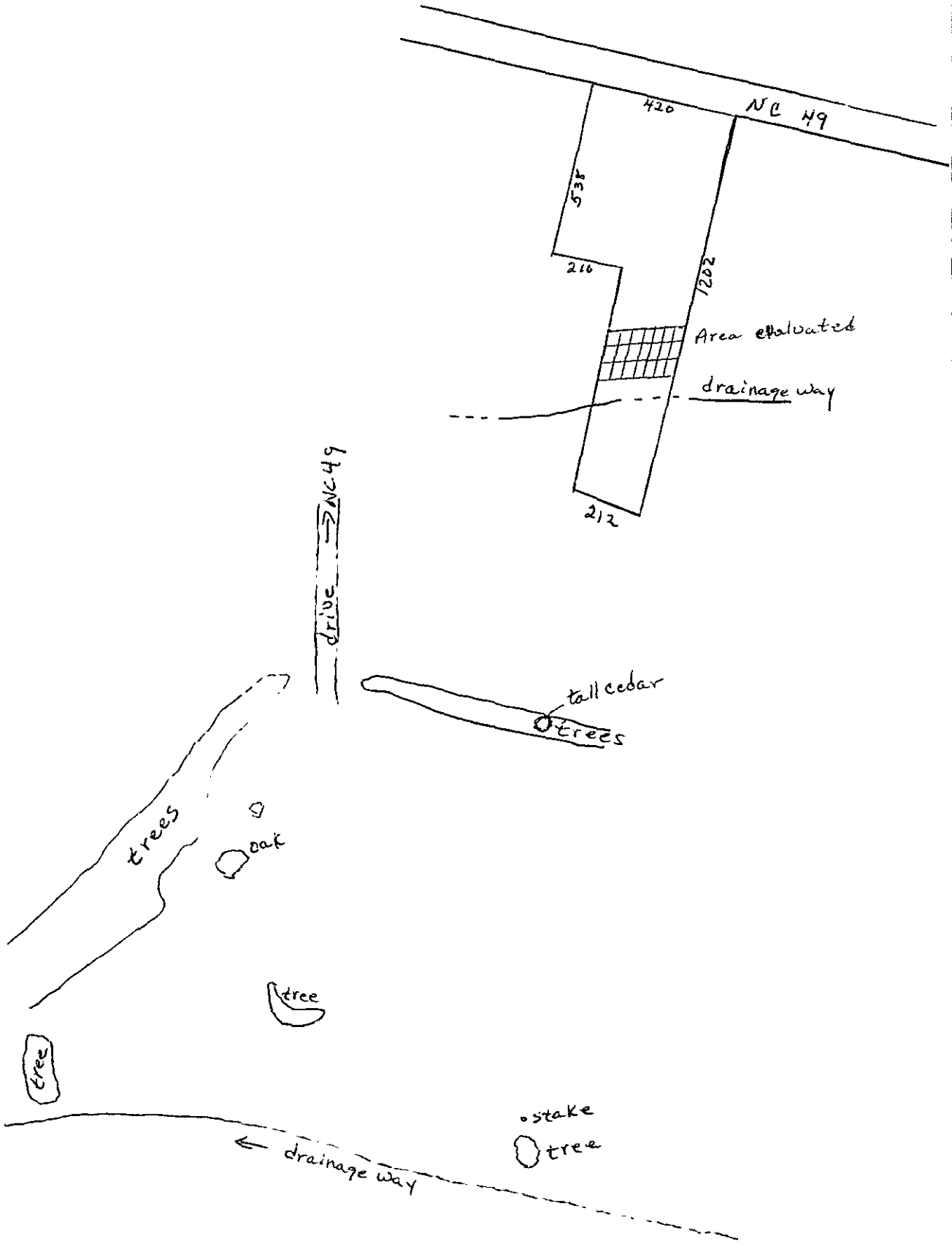
The site is Unsuitable under Rule .1956 Modifications to Septic Tank Systems. Neither shallow trenches, large diameter pipe, nor porous block panel systems are options for this site. The saprolite is unsuitable by this rule. Drainage will not be sufficient to reclassify the site.

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. He may purchase other Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
2. He 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 1957 (c). 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 receive adequate treatment.
   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.
5. The denial can be appealed under G. S. 130A-24 if requested within 60 days of the denial date.


420
NC 49
538
210
1202
Area evaluated
drainage way
212
drive
NC 49
tall cedar
trees
trees
oak
tree
tree
stake
tree
drainage way

4353

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

6093 (8490A)

Pd #50 8-31-92 BK

[] 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: 8-31-92

PERSON FILING APPLICATION:
NAME: Boyd (last) Jr. John (first) H. (mi)
ADDRESS: 12907 Yorkridge DR PHONE: (704) 588-6351
CITY: Charlotte STATE: N.C. ZIPCODE: 28273

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: 219-011-12 PD
STREET ADDRESS: OFF YORK RD
ZONING:

PROPERTY OWNER:
NAME: Boyd (last) JR. John (first) H. (mi)
ADDRESS: 12907 Yorkridge DR. PHONE: (704) 588-6351
CITY: Charlotte STATE: N.C. ZIPCODE: 28273

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

LOT NUMBER: LOT SIZE (in acres): 3.124

TYPE APPLICATION (check one):
[X] SOIL TEST - INDIVIDUAL LOT (D)
[] 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 M)
[] COMMERCIAL OR INDUSTRIAL (M)
[] 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) [X] HOUSE (H) [] MULTIPLE FAMILY (U)
[] DOUBLE WIDE (D) [] MODULAR HOME (M) [] OTHER ____ (O)

NUMBER BEDROOMS: 3 NUMBER OCCUPANTS: 2

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):
[X] 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):
[X] Swimming Pool [] Jacuzzi [] Stable/Barn [X] Workshop [] None
[] Garage [] Storage Building [X] 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: John Howey Boyd Jr. Date: 8-31-92

NOTICE:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws And Rules For Sanitary Sewage Collection, Treatment And Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

...No work shall be conducted on the septic tank system until an installation, Construction, Alteration and/or Repair approval is granted by this Department.

...This permit is not transferable.

...

[] 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

NO. 27

19 97

RECEIVED FROM

DOLLARS

Account Total $

Amount Paid $

Balance Due $

"THE EFFICIENCY LINE" AN AMPAD PRODUCT

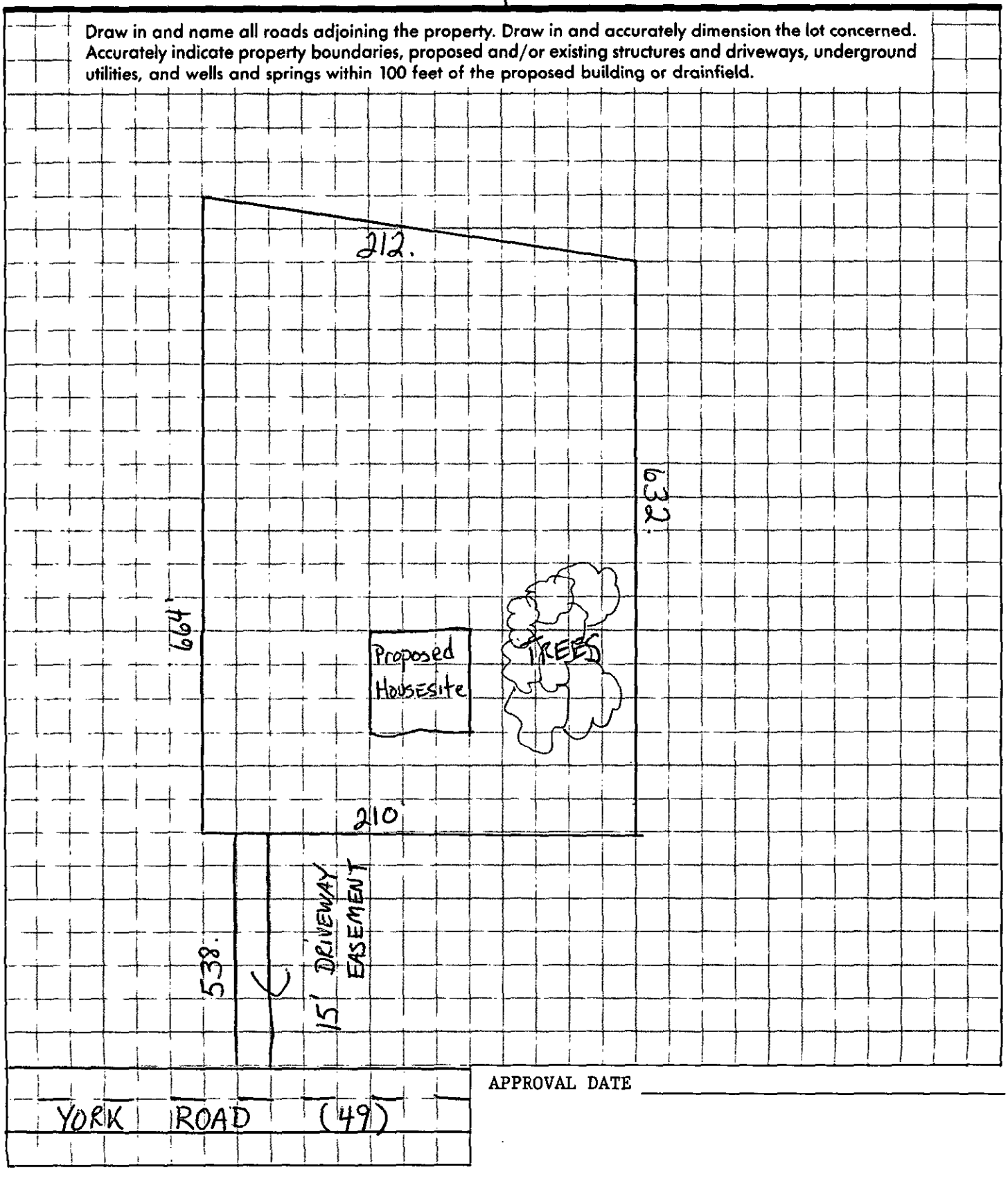
PROPOSED PLOT PLAN

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

FILE: 609B (8480A)

TC: 219-011-1200

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

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

September 28, 1992

Mr. John H. Boyd, Jr.
12907 York Ridge Road
Charlotte, NC 28273

RE: Property located off York Road
FILE: 609B/8480A
PARCEL: 219-011-12

Dear Mr. Boyd:

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 12846) 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, R.S,. Soil Scientist
Individual Water and Wastewater Systems

Enclosure

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER 12846

File: 6098184801 Action 3

Parcel: PO 219-011-12 ☐ PC

Location: York Road

Subdivision:

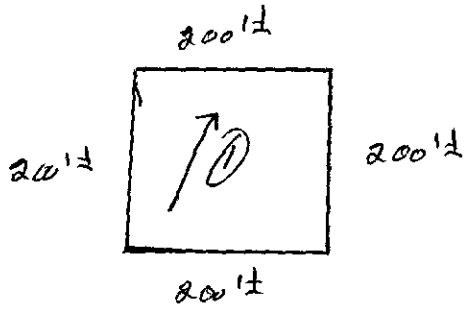
Lot: Block: Acres: 1.0

Owner: John H. Boyd, Jr.
Address: 12907 Yorkmeade Road
Charlotte, N.C. 28273

Comments: 100% Repair

Described by: William A. Marli

Date: 9-25-92



☐ Existing House

York Road

***** 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 6-10%	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 Angular Blocky	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S PS (U) perched water 15"	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS (U) 16-20"	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-Mecklenburg					
Area Classification	S PS (U)	S PS U	S PS U	S PS U	S PS U	S PS U

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER

File:

Action

Parcel:

☐ PC

Location:

Subdivision:

Lot: Block: Acres:

Owner:
Address:

Comments: _____

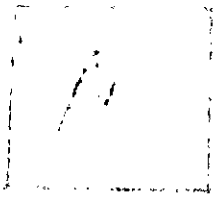
_____

_____

_____

Described by: _____

Date: _____



***** EVALUATION KEY *****

S = Suitable U = Unsuitable
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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	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S PS U	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						
Area Classification	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U

Mecklenburg County

Health Department

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

December 28, 1992

FILE # 6093

Mr. John H. Boyd, Jr.
12907 Yorkridge Drive
Charlotte, NC 28273

Dear Mr. Boyd:

Enclosed you will find a copy of the soils report prepared by Joe Lynn, Regional Soil Specialist. This report is for the portion of tract (219-011-12) located on York Road. This area was originally investigated by the Mecklenburg County Health Department on September 25, 1992.

If you have any question regarding this matter, please contact me at 336-5574.

Sincerely,

William R. Marlin

William R. Marlin, Soil Scientist
Individual Water and Wastewater Systems

State of North Carolina
Department of Environment, Health, and Natural Resources
Mooresville Regional Office

James G. Martin, Governor
William W. Cobey, Jr., Secretary

Albert F. Hilton Regional Manager

TO: William Martin, Soil Specialist
Mecklenburg County Health Department

FROM: Joe Lynn Regional Soil Specialist
Division of Environmental Health
On-Site Wastewater Section

SUBJECT: John H. Boyd property on N. C. 49

DATE: December 22, 1992

The above referenced property was evaluated for its suitability for a ground absorption sewage treatment and disposal system to serve a three bedroom residence. The site is Unsuitable under current laws and rules, 15A NCAC 18A .1900. The enclosed report gives a brief summary of the findings, conclusions, and recommendations.

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

P.O. Box 950, 919 North Main Street, Mooresville, N.C. 28115-0950 • Telephone 704-663-1699 • FAX 704-663-6040

An Equal Opportunity Affirmative Action Employer

SOIL/SITE REPORT

GENERAL INFORMATION

COUNTY: Mecklenburg DATE: December 22, 1992

OWNER/APPLICANT: John H. Boyd, Jr.

LOCATION: N. C. 49, property ID# 113-011-12

TYPE OF FACILITY: Residence DESIGN UNIT: 360 gpd

PROPOSED WATER SUPPLY: Municipal

EVALUATED BY: Joe Lynn and William Marlin using hand augers

DATE OF EVALUATION: October 29 1992

OTHER(S) PRESENT: N/A

SITE INFORMATION

AREA/PRESENT USE: One acre / grass and few trees

TOPOGRAPHY: 2 to 4 percent

LANDSCAPE POSITION: Linear and foot slopes

SITE LIMITATIONS: N/A

SOIL INFORMATION

SOIL TEXTURE: (surface) Clay loam and loam
(subsoil) Clay

SOIL STRUCTURE: (subsoil) Blocky

CLAY MINERALOGY: Expansive and some slightly expansive

SOIL DEPTH: 8 to 12 inches to unsuitable soil condition

SOIL WETNESS: 18 inches to chromas of 2 or less

RESTRICTIVE HORIZONS: None

SAPROLITE: 24 inches to unsuitable saprolite

AREA of S or PS SOIL: None found

DISCUSSION

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

1. Unsuitable Soil Characteristics — Section .1941
   Expansive clay mineralogy with absence of structure.
2. Unsuitable Soil Wetness — Section .1941
   Chromas of 2 or less from Munsell Color Book
3. Insufficient Soil Depth — Section .1941
   Soil depths of less than 36 inches.
4. 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. Drainage will not be sufficient to the area by the site.

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. He may purchase other Suitable or Provisionally Suitable property to place the ground absorption sewage system on.
2. He 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 1957 (c). 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 receive adequate treatment.
   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.
5. The denial can be appealed under G. S. 130A-24 if requested within 60 days of the denial date.