

10440 BRIEF RD

12/26/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 1839B DATE: 11/19/97

TC: 19714108 ☐ L ☒ CRT

SERIAL Nº 17444

Name of Owner Dr Patricia Boyer Juris.: _____

Address of Property 10440 Brief Rd

Inspection Data:

Tank Material PCC

Total Length of Drainfield 200'

Number of Lines 2 @ 100'

Cover Depth 12"

Water Supply Source existing well

Distance to Water Source > 100'

Excavation Inspected 11/19/97

Tank(s) Inspected 11/19/97

Wash Line Inspected NA

High Water Alarm Inspected NA

PLOT

Design 1997, 1000ST, CON, 600SFT, 12"stone ceil CTR# 0 Jordan Plumbing

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☒ installed or constructed ☐ altered or repaired

☒ in accordance with the permit issued ☐ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☒ Operation Permit

does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of I5A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: Septic system designed for pool house only

Type II Septic system for house to be installed at a later date.

Phil J. Walker R.S.

Environmental Health Specialist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

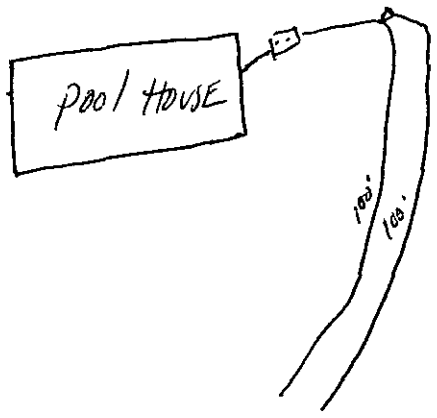
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 1839B DATE: 11/18/97

TC: 19714108 ☒ L

SERIAL Nº 17530

Permission is hereby given to ✓ Install or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 4/24/97. All work shall be completed on or before 12/18/97, after which date this permit shall be null and void. The system shall meet all of the construction requirements of I5A NCAC 18A. 1900 which are in effect on the date of the granting of this permit. A Certificate of Completion or an Operation Permit must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.



PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1000 gallons

Liquid Capacity of Dosing Tank NA gallons

Tank Construction PCC

Trench Depth 24"

Absorption and/or Nitrification Lines:

Trench Width 3' feet

Trench Walls Scored and Porous yes

Total Line Length 200' feet

Number of Lines 2(100')

Depth of Stone 12" inches

Distance from House 5' feet

Distance from Property Line 10' feet

Distance from Well > 100' feet

NOTICE: This system shall not be installed while soils are in a wet condition.

NAME OF OWNER Dr Patricia Boyer

LOCATION OF PROPERTY 10440 Briet Rd

Comments: 1000 ST, 2 line x 100' long x 3' wd x 12" stone / Septic system design for pool house only / Keep septic system > 100' from existing newly installed well

Philip S. Walker R.S.
Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

175.00 9/5/97 2nd Site evaluation
100.00 CK#3846 11/17/97 Pool House
Pool house

FEE: 100.00 AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION ~~6/2/97~~
DATE: 4/28/97 VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE ~~1839B~~

DATE: 4/24/97 10440 PERMIT NO: ~~1839B~~ ~~4745A~~
PARCEL NO: 197 141 08
JOB LOCATION ADDRESS: ~~10524~~ Brief Rd
PROPERTY OWNER: Dr Patricia Boyer
BUILDING CONTRACTOR: Michael Moore
SUBDIVISION NAME: —
AUTHORIZATION ISSUED BY: Thilo S. Walker R.S. DATE: 4/24/97
DEHNR AUTHORIZED AGENT

1839B

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 1839B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED **PRIOR** TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: Agreement forms to be filed before final release
Approval granted for pool house 4/24/97

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

Michael S Moore (AGENT) 4/24/97

SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

Permit Number: 1839B

CONDITIONS OF IMPROVEMENT PERMIT

Pool House

Tax Number 197 141 08

- The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement	___ Yes	✓ No	___ Partial Basement
Type Primary Wastewater System Type (circle one): I (II) III IV V VI	✓ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

.3 Long-term acceptance rate	180 Max gallons/day wastewater flow	600 Absorption Area (sq ft)	9' Trench spacing (min. on centers)
YES Serviced by private well	1000 Gallon septic tank	200' Total trench length (ft)	24" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
NA Bedrooms in residence pool house w/ showers	NA Gallon pump tank	12" Depth of stone	

Any surface waters present: YES Type: pond Minimum separation distance: 750'

Site modifications required:

Additional Conditions: Septic system design for pool house only

Repair Area System Type Type (circle one): I (II) III IV V VI	✓ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

600' Absorption Area (Sq ft) 200' Total Trench Length (Ft)	12" Depth of Stone Trench	9' Trench spacing (min. on centers)	24" Maximum Trench Depth

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for I Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effe 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 Departme
- This Improvement permit is transferable.

Philo S. Walker R.S. 11/19/97

DEHNR Authorized Agent Date

x _____

Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

IWWS-100195

PROPOSED PLOT PLAN

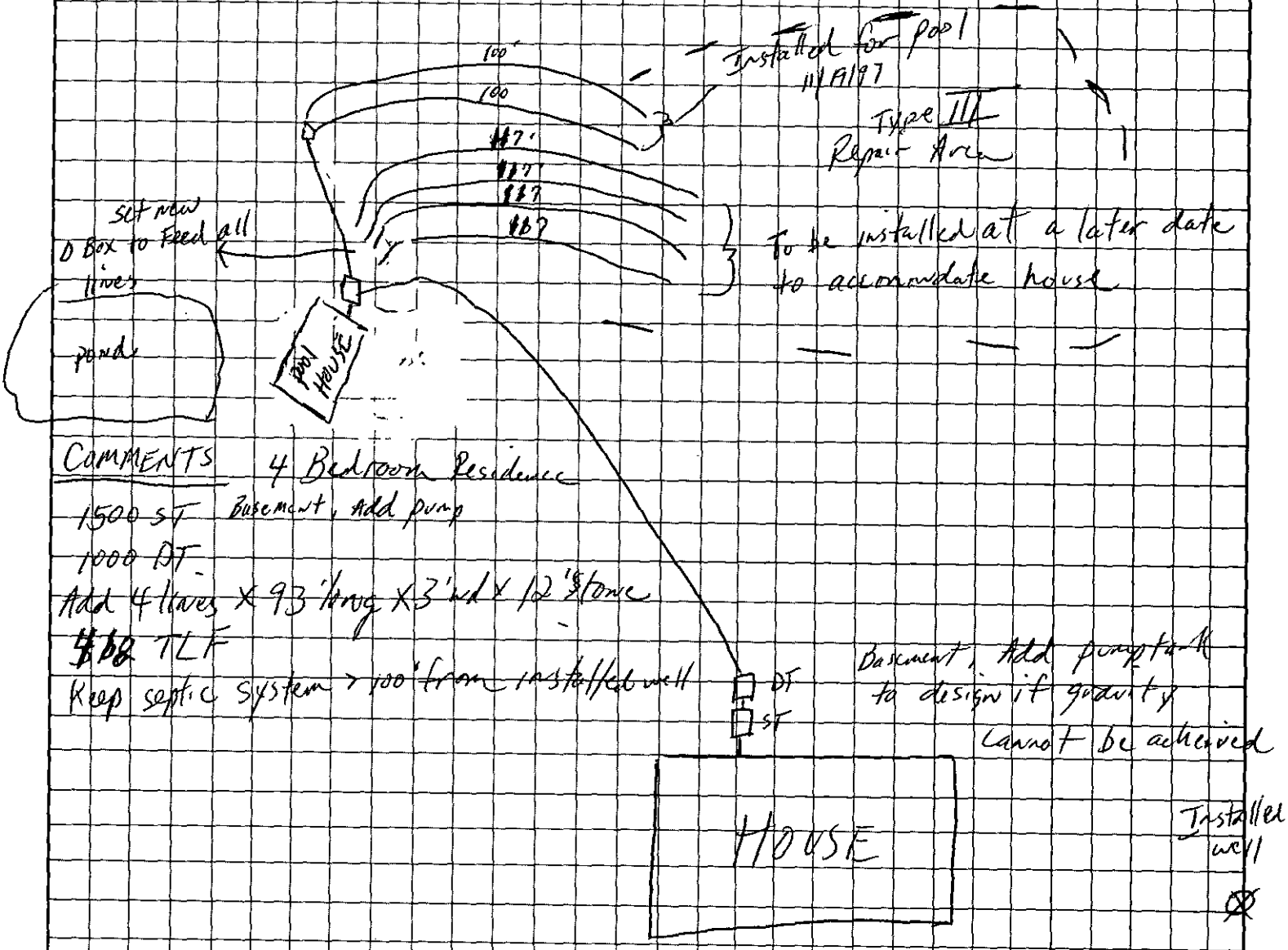
Alternate Plot Plan

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

FILE: 1839B

TC: 197 141 08

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.



COMMENTS 4 Bedroom Residence
1500 sf Basement, Add pump
1000 DT
Add 4 lines x 93' long x 3' wd x 12" stone
~~400~~ TLF
Keep septic system > 100' from installed well

APPROVAL DATE 11/19/97

OWNER/AGENT SIGNATURE

DATE

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

mcHD
File: 1839-B

THE INFILTRATOR™

SEPTIC SYSTEM INSTALLATION INSTRUCTIONS

1 Excavate and level 3' wide trenches.

2 Prepare trench bottom and sides in accordance with state and local regulations. (Infiltrator Systems recommends raking sidewall and bottom infiltrative surfaces to eliminate smearing.)

3 Screw splash plate on bottom of open end plate.

4 Screw open end plate into inlet end (without interlocks) of first INFILTRATOR™ chamber with splash plate extending into unit.



5 Place first unit in the inlet end of trench with interlocks downstream

6 Run distribution pipe through inlet opening in end plate but not beyond splash plate. Single screw may be used to hold in place. **Pipe does not normally run the length of system.**



7 Connect INFILTRATOR™ units together, fully engaging interlocks to form desired trench length.

a. The joints may be screwed together for ease in construction.

b. Trench grade should be checked with a level or surveying equipment.

8 Screw closed end plate in downstream end of last unit to hold in place. **NOTE:** For serial distribution, or to loop the trenches together, use an open end plate at the downstream end of the trench, and run a pipe from the opening to the next trench.

9 Fill side wall area to top of slots with native soil. "Walk" fill into place to give proper support of sides. **THIS IS VERY IMPORTANT TO ACHIEVE FULL STRENGTH.**



10 Backfill to a minimum of 12" of cover after compaction and settling for H-10 units and 18" for H-20 units. Avoid large rocks in the backfill material. **CAUTION:** Avoid vehicle traffic on system during construction since soil has not settled. This is particularly important in sand, since loose sand offers very little structural support. Most states advise avoiding vehicle traffic to prevent compaction of the infiltrative surface. (After proper depth of cover is compacted and settled, INFILTRATOR™ leaching chambers will then support vehicle weight not to exceed 16,000 lbs. per axle for H-10 units and 32,000 lbs. per axle for H-20 units.)



INFILTRATOR™ is a trademark of Infiltrator Systems Inc.

(4) Bedrm. & Pool House Pumped Chamber SEPTIC PLAN: SPECS: (Infiltrator)

MCHD
File: 1839-B

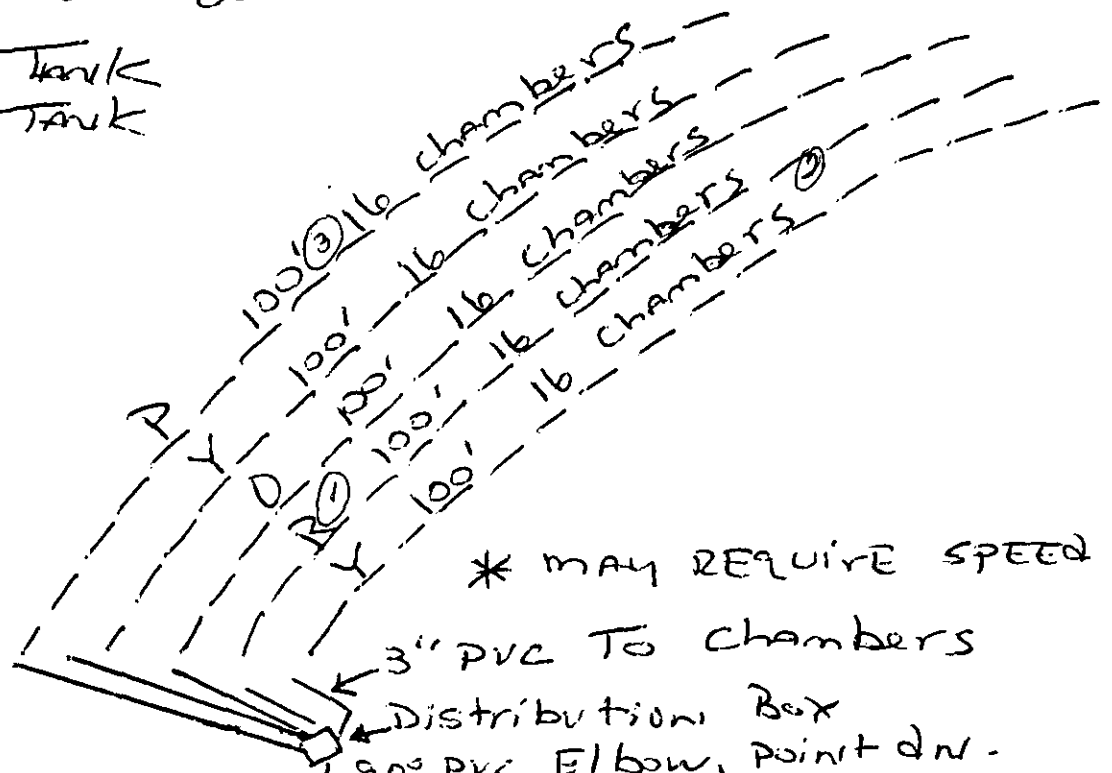
* (5) 100' chamber LINES = 500'
* (16) Chambers PER LINE = 80 units
* (1) 1,500 gal. SEPTIC Tank
* (1) 1,000 gal. Pump Tank
* (1) D-Box

pits 11-5-97
1- 0-14" compacted -
14-44 clay SBM

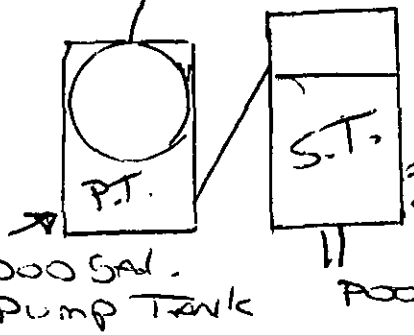
Subsoil structures SBM
2- 0-6" scl
6-45" c SBM

→46" TO soil wetness
3- 6-8" scl
8-48" c

WRM 11-5-97



21' SERVICE LINE (approx. 60')

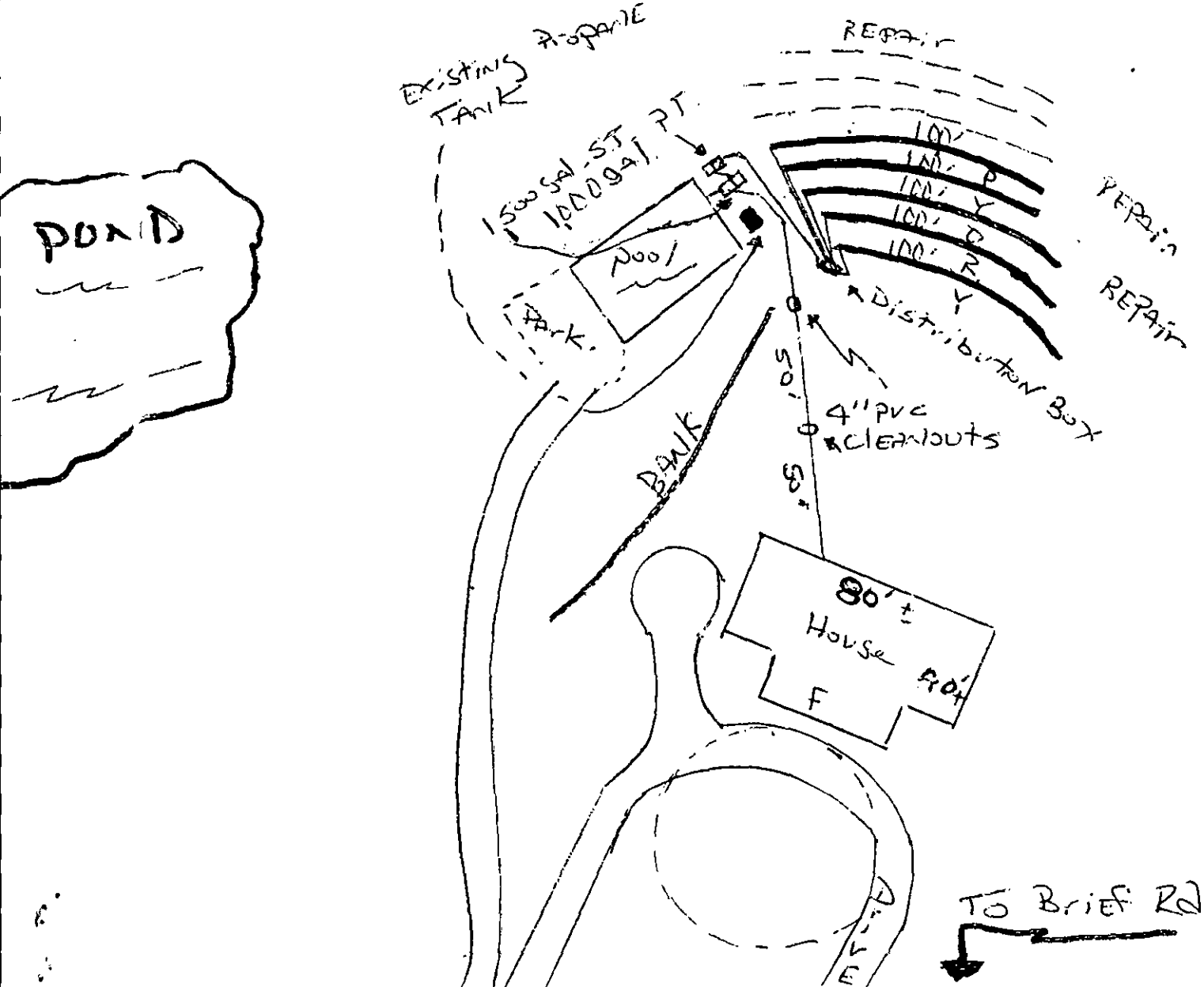


4" PVC From House & 2 CLEANOUTS CAPS
1,500 gallon S.T.
Pool House

NOT SCALED

(4) Bedrm. & Pool House Pumped Chamber
SEPTIC PLAN.

MCHD
File: 1839-B



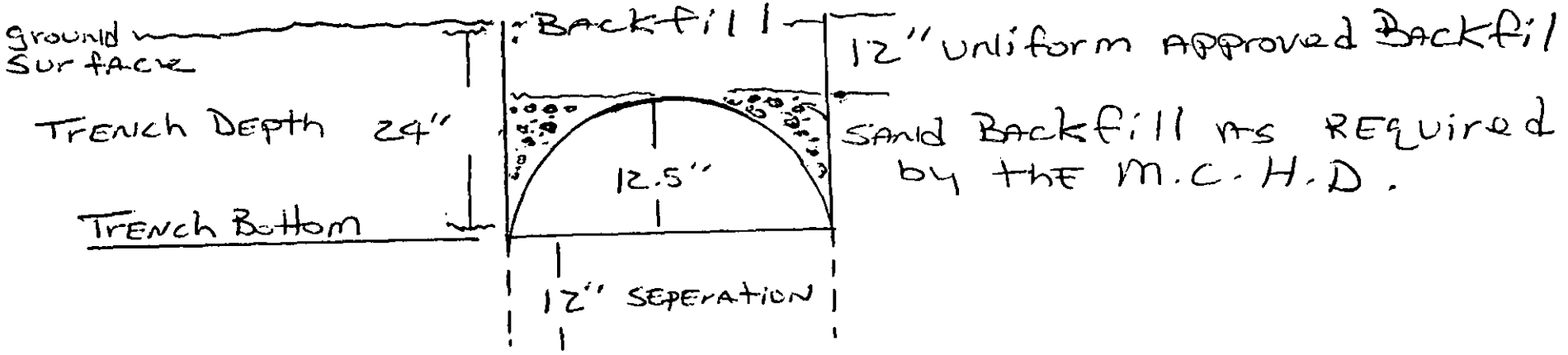
J. Whittaker
866-9540
SCALE
60

MCHD
File: 1839-B

Trench Profile:

Shallow Placed Chamber (Infiltrator) Septic Plan.
(5) 100' chamber lines, 16 units per line = 80 units = 500'

* Install Chambers to a 24" Trench Depth.
* Septic system must have uniform Backfill & cover minimum 12"+ or as required.



MCHD
File: 1839-B

THE INFILTRATOR™

SEPTIC SYSTEM INSTALLATION INSTRUCTIONS

1 Excavate and level 3' wide trenches.

2 Prepare trench bottom and sides in accordance with state and local regulations. (Infiltrator Systems recommends raking sidewall and bottom infiltrative surfaces to eliminate smearing.)

3 Screw splash plate on bottom of open end plate.

4 Screw open end plate into inlet end (without interlocks) of first INFILTRATOR™ chamber with splash plate extending into unit.



5 Place first unit in the inlet end of trench with interlocks downstream.

6 Run distribution pipe through inlet opening in end plate but not beyond splash plate. Single screw may be used to hold in place. **Pipe does not normally run the length of system.**



7 Connect INFILTRATOR™ units together, fully engaging interlocks to form desired trench length.

a. The joints may be screwed together for ease in construction.

b. Trench grade should be checked with a level or surveying equipment.

8 Screw closed end plate in downstream end of last unit to hold in place. **NOTE:** For serial distribution, or to loop the trenches together, use an open end plate at the downstream end of the trench, and run a pipe from the opening to the next trench.

9 Fill side wall area to top of slots with native soil. "Walk" fill into place to give proper support of sides. **THIS IS VERY IMPORTANT TO ACHIEVE FULL STRENGTH.**



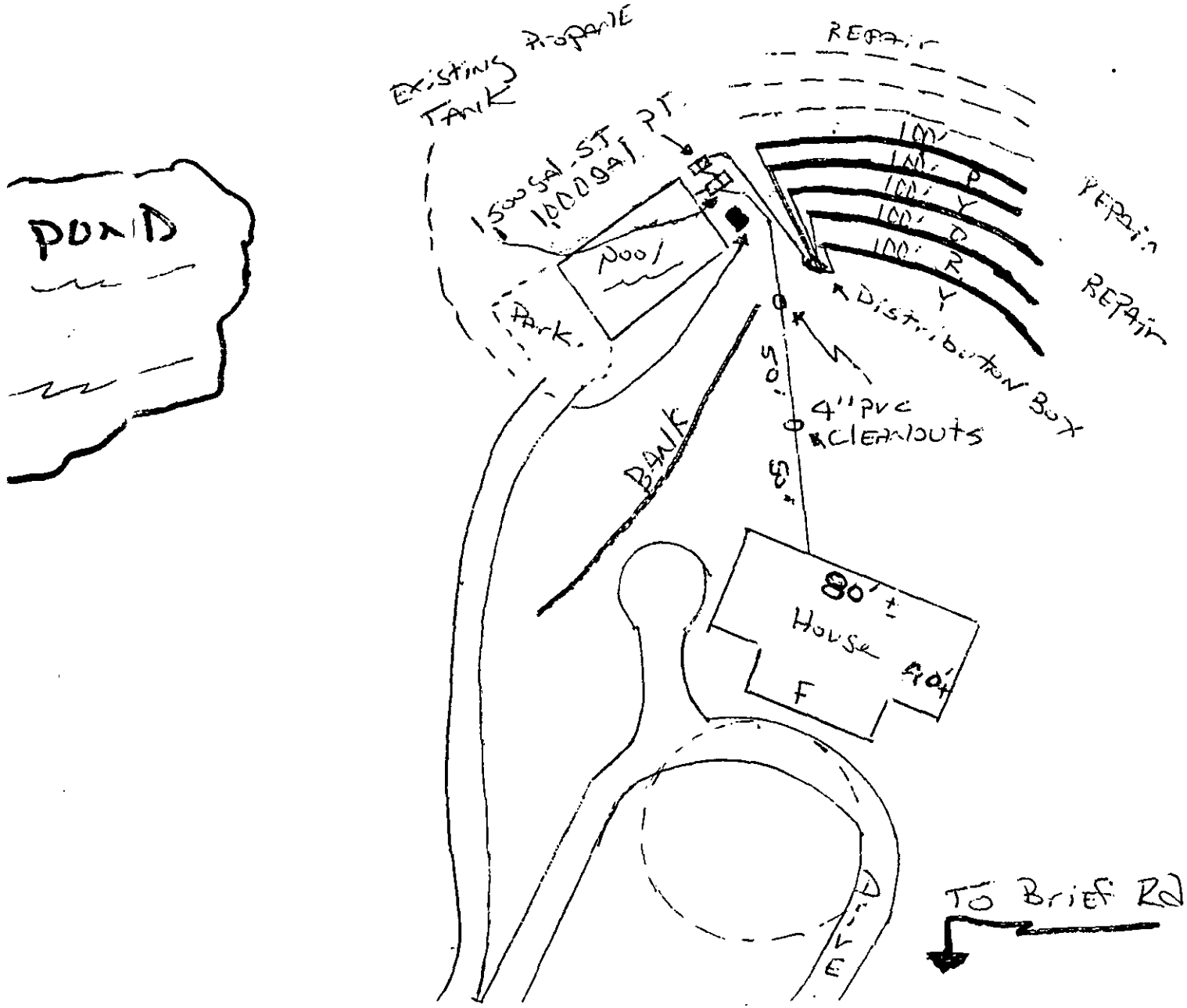
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INFILTRATOR™ is a trademark of Infiltrator Systems, Inc.

(4) Bedrm. & Pool House Pumped Chamber
SEPTIC PLAN.

NILHD
File: 1839-B

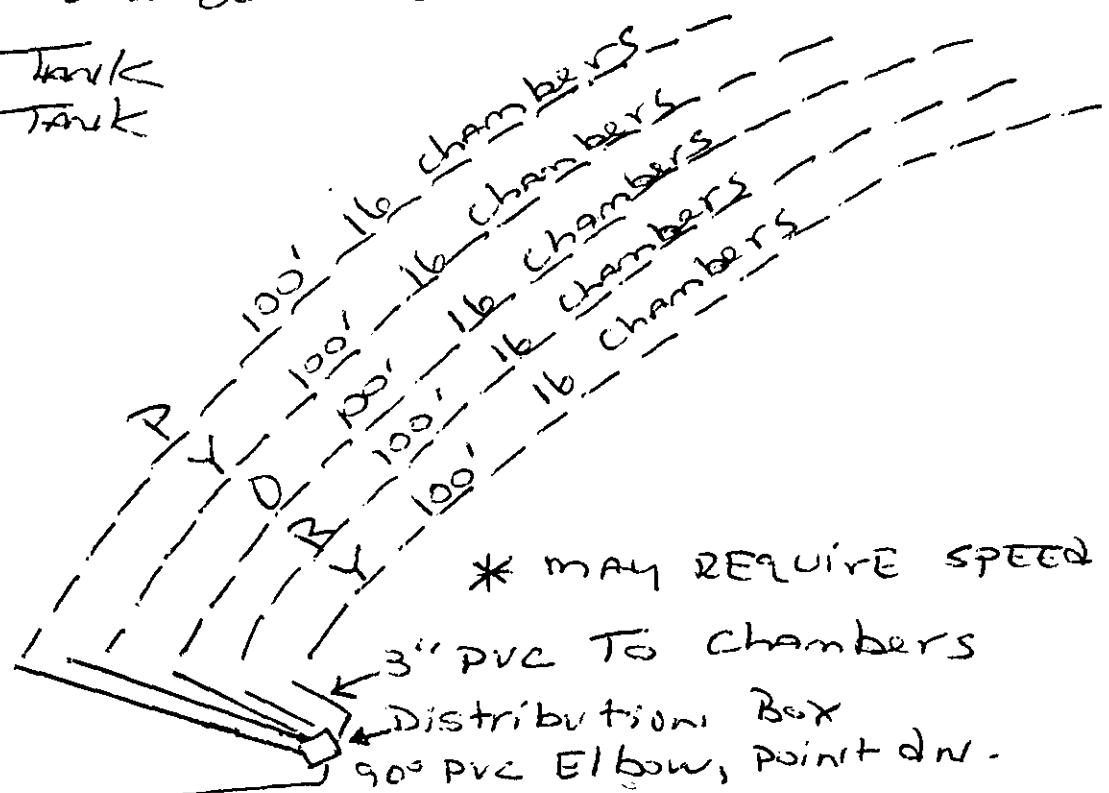


Whittaker
866-9540
SCALE
60

(4) Bedrm. & Pool House Pumped Chamber SEPTIC PLAN: SPECS: (Infiltrator)

MCHU
File: 1839-B

* (5) 100' chamber LINES = 500'
* (16) chambers PER LINE = 80 units
* (1) 1,500 gal: SEPTIC Tank
* (1) 1,000 gal. Pump Tank
* (1) D-Box



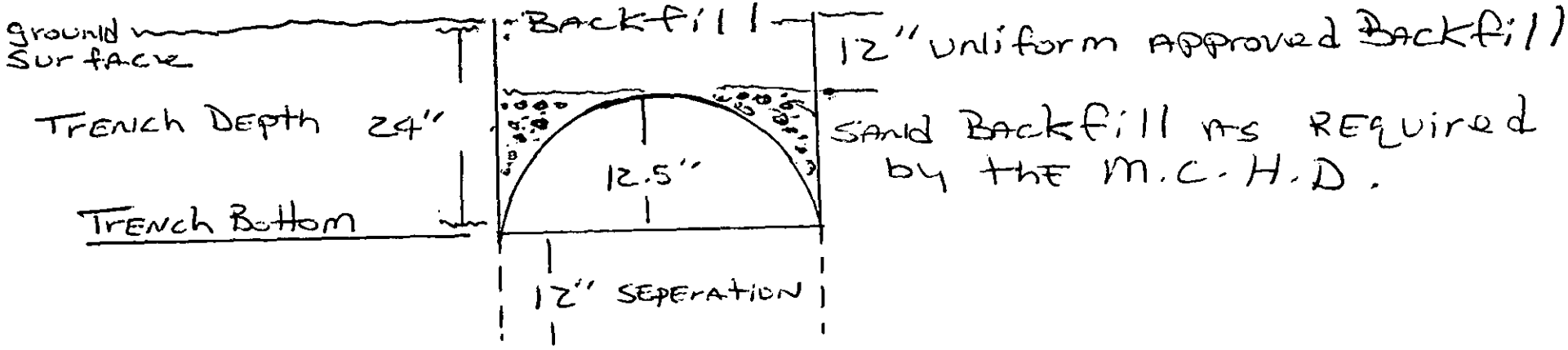
NOT SCALED

MCHD
File: 1839-B

Trench Profile:

Shallow Placed Chamber (Infiltrator) Septic Plan.
(5) 100' chamber lines, 16 units per line = 80 units = 500'

* Install Chambers to a 24" Trench Depth.
* Septic System must have uniform Backfill & cover minimum 12"+ or as required.



NTS

PROPOSED PLOT PLAN

~~1839B~~ 1839B

~~4445A~~

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

FILE: ~~1839B~~

TC: 197-141-08

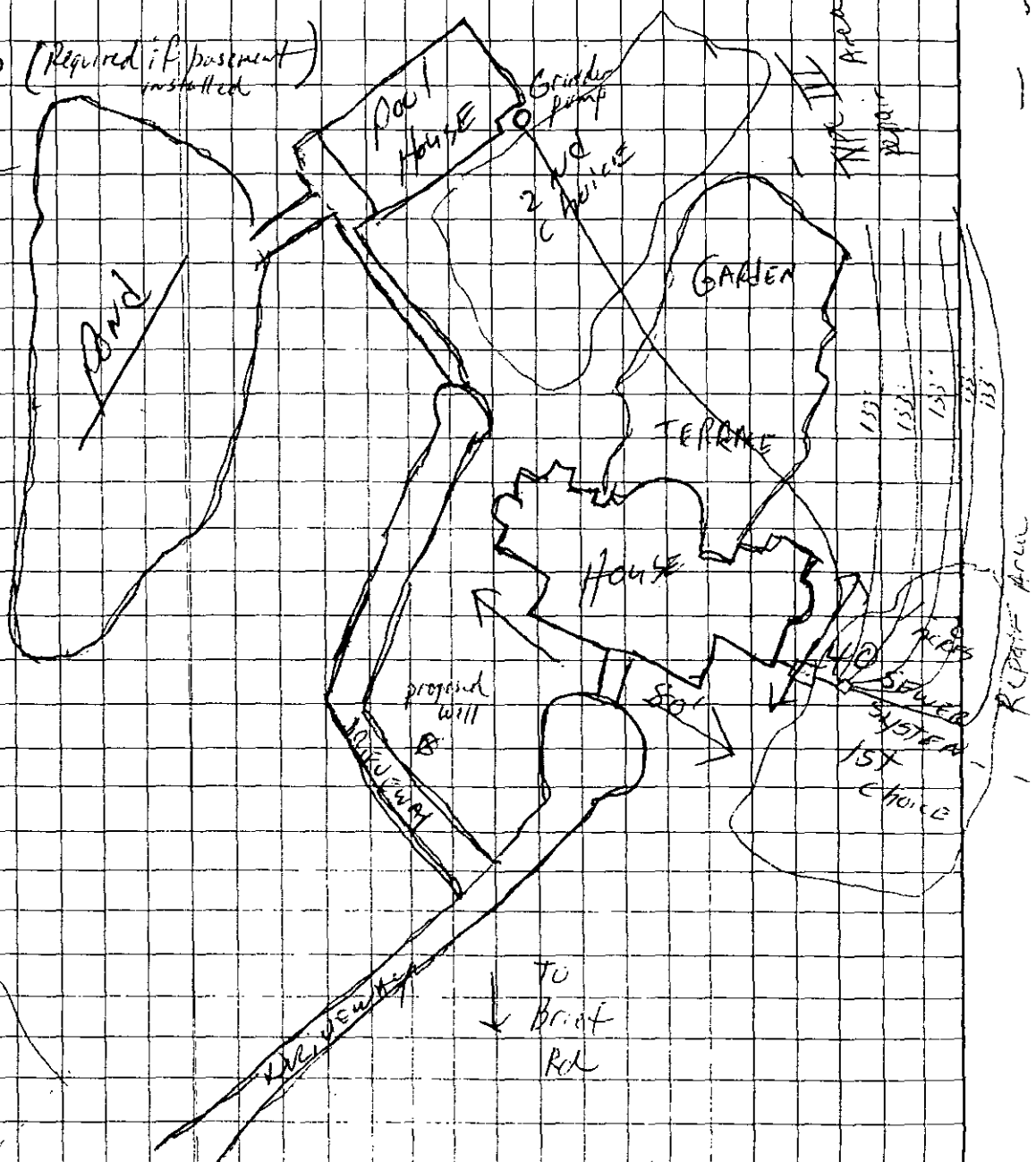
COMMENTS

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.

Bedroom plus house

1500 Grinder pump to be installed at pool house
5 lines x 133' long x 3' wd x 12" stone
666 TLF
Max need lift pump (Required if basement installed)
Keep septic system 100' from proposed well
Agreement forms to be filed before IP release
Shallow Placed Conventional system
Type III

Michael S. Moore
April 24, 1997



Michael S. Moore Gen. Contractor
By Robert W. Jones
OWNER/AGENT SIGNATURE

APPROVAL DATE 4/24/97

DATE 4-2-97

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

Permit Number: 1839B

CONDITIONS OF IMPROVEMENT PERMIT

Tax Number 19714108

HOUSE

- The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement	✓ Yes	___ No	___ Partial Basement
Type Primary Wastewater System Type (circle one): I II (III) IV V VI	✓ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

.3 Long-term acceptance rate	480 Max gallons/day wastewater flow	~~1600~~ Absorption Area (sq ft) 1398	9' Trench spacing (min. on centers)
Yes Serviced by private well	1500 Gallon septic tank	466' Total trench length (ft)	24" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
4 Bedrooms in residence	1000 Gallon pump tank if Necessary	12" Depth of stone	

Any surface waters present: yes Type: pond Minimum separation distance: >50'

Site modifications required: NO

Additional Conditions: Septic system for pool house + house to be combined after house is built. Septic system to include lift pump if necessary (TO be determined after basement complete)

Repair Area System Type Type (circle one): I II (III) IV V VI	✓ Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

1398 Absorption Area (Sq ft) 466' Total Trench Length (Ft)	12" Depth of Stone Trench	9' Trench spacing (min. on centers)	24" Maximum Trench Depth

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for t Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effe 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 Departme
- This Improvement permit is transferable.

Phila L. Walker R.S. 11/19/97
DEHNR Authorized Agent Date

× _____
Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

IWWS-100195

Permit Number ~~16398~~ ~~[illegible]~~ 62799 IMPROVEMENT PERMIT

Tax Number 197-191-08

The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area

CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.

Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement	✓ Yes	___ No	___ Partial Basement
Type Primary Wastewater System Type (circle one): I II (III) IV V VI	___ Conventional ___ Prefabricated, permeable ✓ block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

.3 Long-term acceptance rate	600 Max gallons/day wastewater flow	1998 Absorption Area (sq ft)	9' Trench spacing (min. on centers)
yes Serviced by private well	1500 Gallon septic tank	666' Total trench length (ft)	18" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
4+1 Bedrooms in residence 5 total w/pool house	1000 Gallon pump tank [illegible]	12" Depth of stone	

Any surface waters present: yes Type: pond Minimum separation distance: 50'

Site modifications required:

Additional Conditions: Shallow placed Conventional System Approval, Agreement forms to be filed. Grinder pump to be utalized for pool house Lift pump required if basement is constructed

Repair Area System Type Type (circle one): I II (III) IV V VI	___ Conventional ___ Prefabricated, permeable ✓ Block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

___ Absorption Area (Sq ft) ___ Total Trench Length (Ft)	___ Depth of Stone Trench	___ Trench spacing (min. on centers)	___ Maximum Trench Depth

For existing system, enter the year originally installed:

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 Sewage, 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 Improvement permit is transferable.

Phillip S. Walker P.S. 4/24/97
DEHNR Authorized Agent Date

Michael L. Mac (Agent) 4/24/97
Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

COUNTY: [illegible]

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

#21832
PO 19711408
2nd Site Inv.

OWNER: Dr. Patricia Boyer APPLICANT: _____
ADDRESS: 10440 Brief Road, Avon APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: .28
LOCATION OF SITE: 10440 Brief Road PROPERTY RECORDED: _____
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFL CLAS & LTA
1	LS	0-6"	compacted/c/	VFi/SEXP/SS/SP	>25" TO soil wetness	25"	N/A	None	IV US
		6-25"	SBK/c	Fi/SEXP/S/P					
2	LS	0-8"	gr/c/	Fr/SEXP/SS/SP	> 48" TO soil wetness	48"	N/A	None	IV PS .39/PR
		8-48"	SBK/c	Fi/SEXP/S/P					
3	LS	0-4"	gr/c/	Fr/SEXP/SS/SP	>20" TO soil wetness	20"	N/A	None	IV US
		4-15"	SBK/c	Fi/SEXP/S/P					
		15-20"	SBK/c/	Fr/SEXP/SS/SP					
4	LS	0-3"	compacted/c/	Fr/SEXP/SS/SP	>19" TO soil wetness	19"	N/A	None	IV US
		3-19"	SBK/c	Fi/SEXP/S/P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	US	US
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W. A. Marlin 9-9-97
OTHER(S) PRESENT: LSS

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL 1955 LTAR	LPP 1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
C (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
V (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
(Drainage Way)					EXP (Expansive)	CR (Crumb)
S (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
P (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
S (Foot Slope)						ABK (Angular Blocky)
(Head Slope)	III	SI (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
(Linear Slope)		SICL (Silty Clay Loam)				PR (Prismatic)
(Nose Slope)		CL (Clay Loam)			MOIST	WET
(Ridge)		SCL (Sandy Clay Loam)				
(Shoulder Slope)		SLC (Silt Loam Clay)			VFR (Very Friable)	NS (Non-sticky)
(Terrace)					FR (Friable)	SS (Slightly Sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FI (Firm)	S (Sticky)
		SIC (Silty Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
					EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)	None			SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

OTES

ORIZON DEPTH In inches below natural soil surface

EPTH OF FILL In inches from land surface

ESTRICTIVE HORIZON Thickness and depth from land surface

APROLITE S(suitable) or U(unsuitable)

OIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

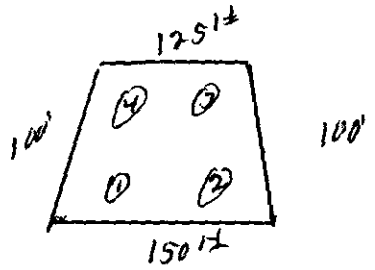
LASSIFICATION S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.

ong-term Acceptance Rate (LTAR): gal/day/ft²

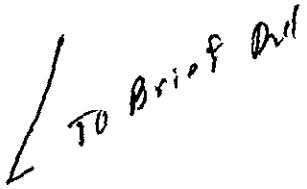
Show profile locations and other site features (dimensions, reference or benchmark, and North).

18 398









Bob McCarthy - Mobile 361-5500

Bob Jones - " 361-5499

2nd site

CALL EITHER PERSON TO schedule A TIME FOR TESTING SITE.

197-181-01

197-141-06

Bill, They Pd for a 2nd Site Investigation 9/3/97

Our File #1839B/10440 Brief Rd

I gave Them A Sign to place at the road & Tape to Tape Off The area to be Tested. They have Started The foundation for The pool house but The house is not Started.

They Want to relocate the System & Pick up the pool house.

DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

12400 PROPERTY ID #: 4
COUNTY:

#2 163913
PO 197-131-01

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Dr. Patricia Boyer APPLICANT:
ADDRESS: 10440 Brief Road, Charlotte APPLICATION DATE: DATE EVALUATED:
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): 480gpd PROPERTY SIZE: Approx. 3
LOCATION OF SITE: 10440 Brief Road PROPERTY RECORDED:
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	51 soils 3-10b .1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROF CLA & LT
1	LS	0-4"	gr/sl	Fr/SE/PS/SP	>39" TO soil wetness	39"	N/A	None	PS 39/F2 LW
		4-39"	SBK/c	Fi/SE/PS/P					
2	LS	0-4"	gr/sl	Fr/SE/PS/SP	>29" TO soil wetness	29"	N/A	None	LS 39/F2 W
		4-29"	SBK/c	Fi/SE/PS/P					
3	LS	0-6"	gr/sicl	Fr/SE/PS/SP	>29" TO soil wetness	29"	N/A	None	LS 39/LA LW
		6-29"	SBK/sic	Fi/SE/PS/P					
4	LS	0-4"	gr/sicl	Fr/SE/PS/SP	>21" TO soil wetness	21"	N/A	None	LS 25 W
		4-21"	SBK/sic	Fi/SE/PS/P					
5	LS	0-6"	gr/sicl	Fr/SE/PS/SP	>37" TO soil wetness	37"	N/A	None	39/F2 LW LS
		6-37"	SBK/sic	Fi/SE/PS/P					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	LS	LS
System Type(s)		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W.M. Marlin 4-22-97
OTHER(S) PRESENT: LSS

COMMENTS: Not sure if WTE Repair required

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR	LPP .1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
C (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
V (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
(Drainage Way)					EXP (Expansive)	CR (Crumb)
S (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
P (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
S (Foot Slope)						ABK (Angular Blocky)
(Head Slope)	III	SI (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
(Linear Slope)		SICL (Silty Clay Loam)				PR (Prismatic)
(Nose Slope)		CL (Clay Loam)			MOIST	WET
(Ridge)		SCL (Sandy Clay Loam)				
(Shoulder Slope)		SUC (Silt Loam Clay)			VFR (Very Friable)	NS (Non-sticky)
(Terrace)					FR (Friable)	SS (Slightly Sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FI (Firm)	S (Sticky)
		SIC (Silty Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
					EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)	None			SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

OTES

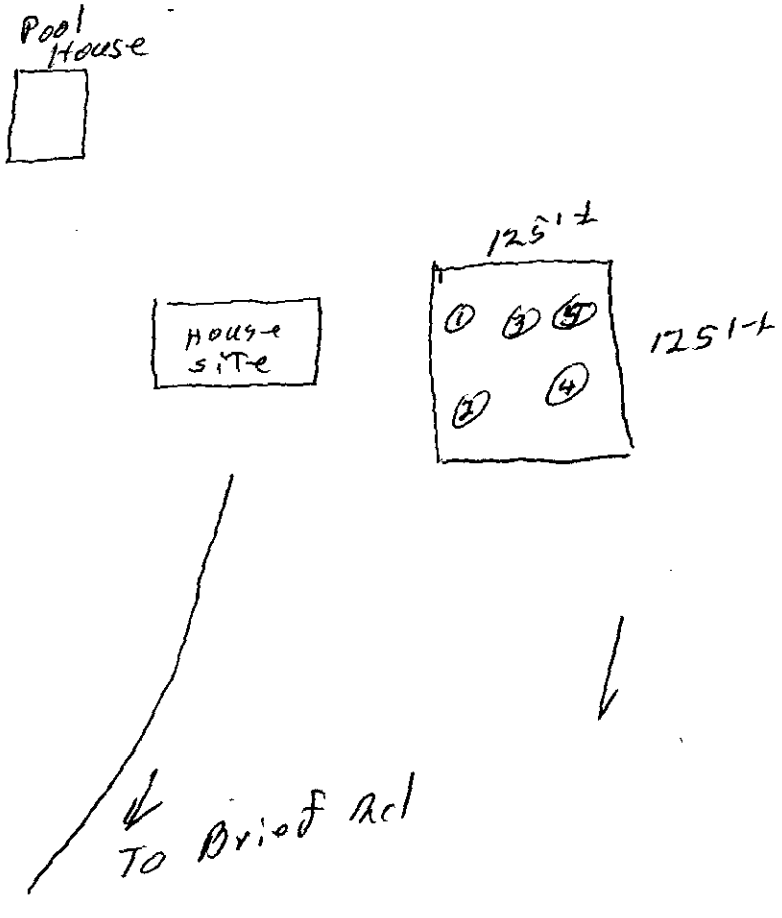
ORIZON DEPTH	In inches below natural soil surface
EPTH OF FILL	In inches from land surface
ESTRICTIVE HORIZON	Thickness and depth from land surface
APROLITE	S(suitable) or U(unsuitable)
OIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
LASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

valuation of saprolite shall be by pits.

ong-term Acceptance Rate (LTAR): gal/day/ft²

Show profile locations and other site features (dimensions, reference or benchmark, and North).

16 39B



PROPOSED PLOT PLAN

~~62 79A~~ ~~1839B~~ 1839B

~~4745A~~ ~~1839B~~

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

FILE: ~~1839B~~

TC: 197-141-08

COMMENTS

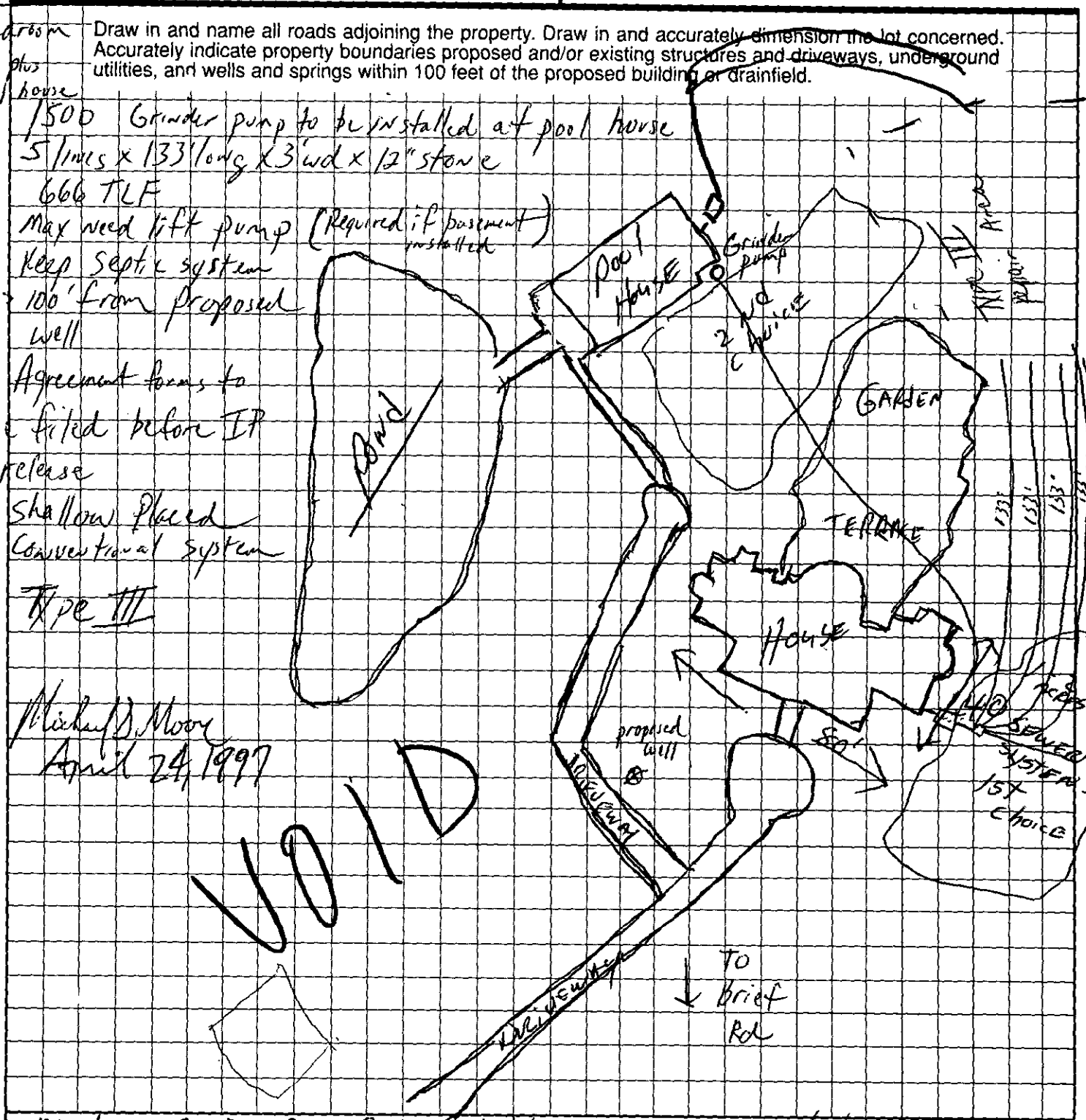
4 Bedroom House plus pool house

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.

1500 Grinder pump to be installed at pool house
5 lines x 133' long x 3' wd x 12" stone
666 TLF
Max need lift pump (Required if basement installed)
Keep septic system >100' from proposed well
Agreement forms to be filed before IP release
Shallow Placed Conventional system
Type III

Michael S. Moore
April 24 1997

VOID



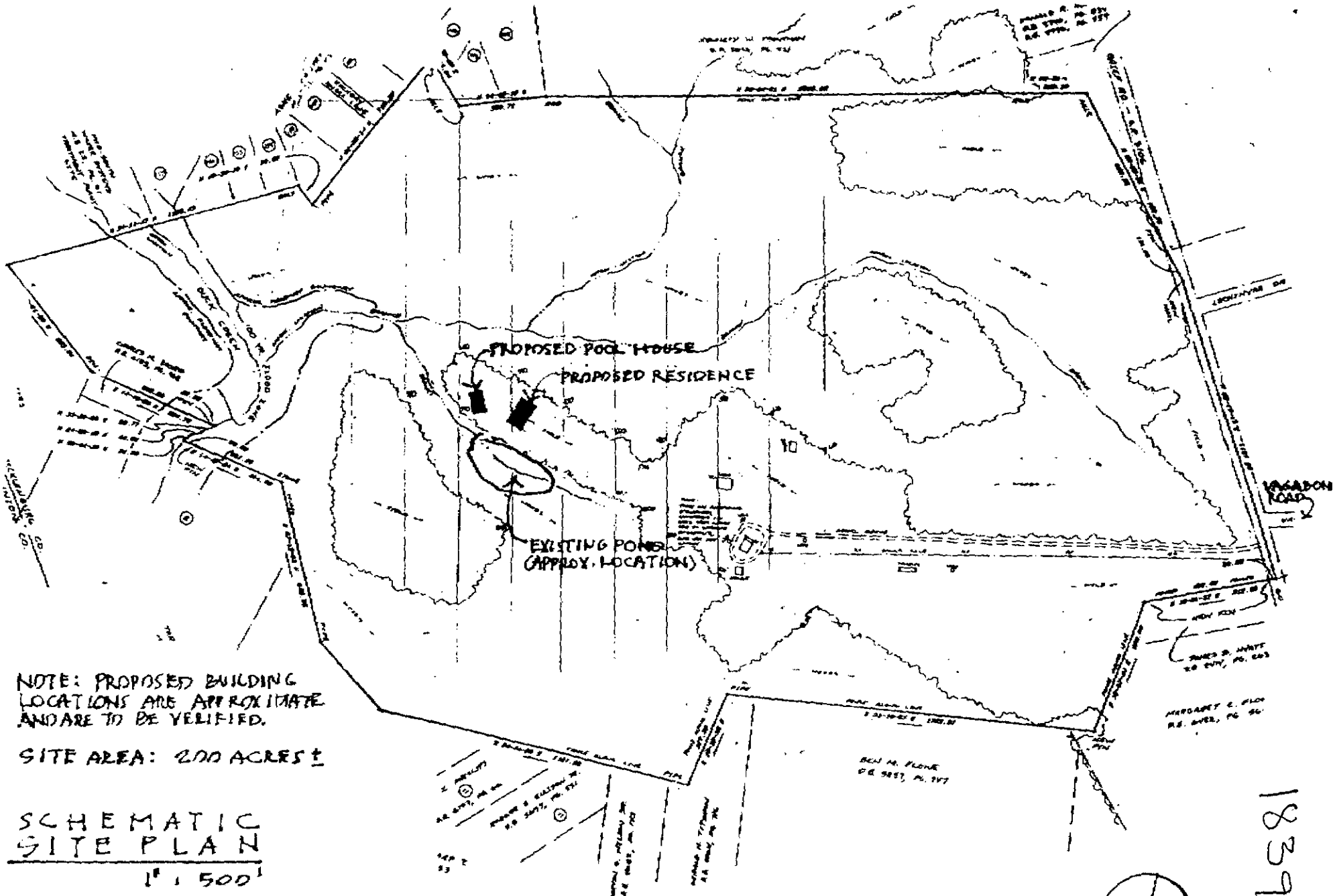
Michael S. Moore GEN. CONTRACT.
By Robert W. Jones
OWNER/AGENT SIGNATURE

DATE 4-2-97

APPROVAL DATE PSW 4/24/97

White - Health Department's Copy | Canary - E.H.S. Copy | Pink - Owner's Copy

1839B



NOTE: PROPOSED BUILDING LOCATIONS ARE APPROXIMATE AND ARE TO BE VERIFIED.

SITE AREA: 200 ACRES ±

SCHEMATIC SITE PLAN

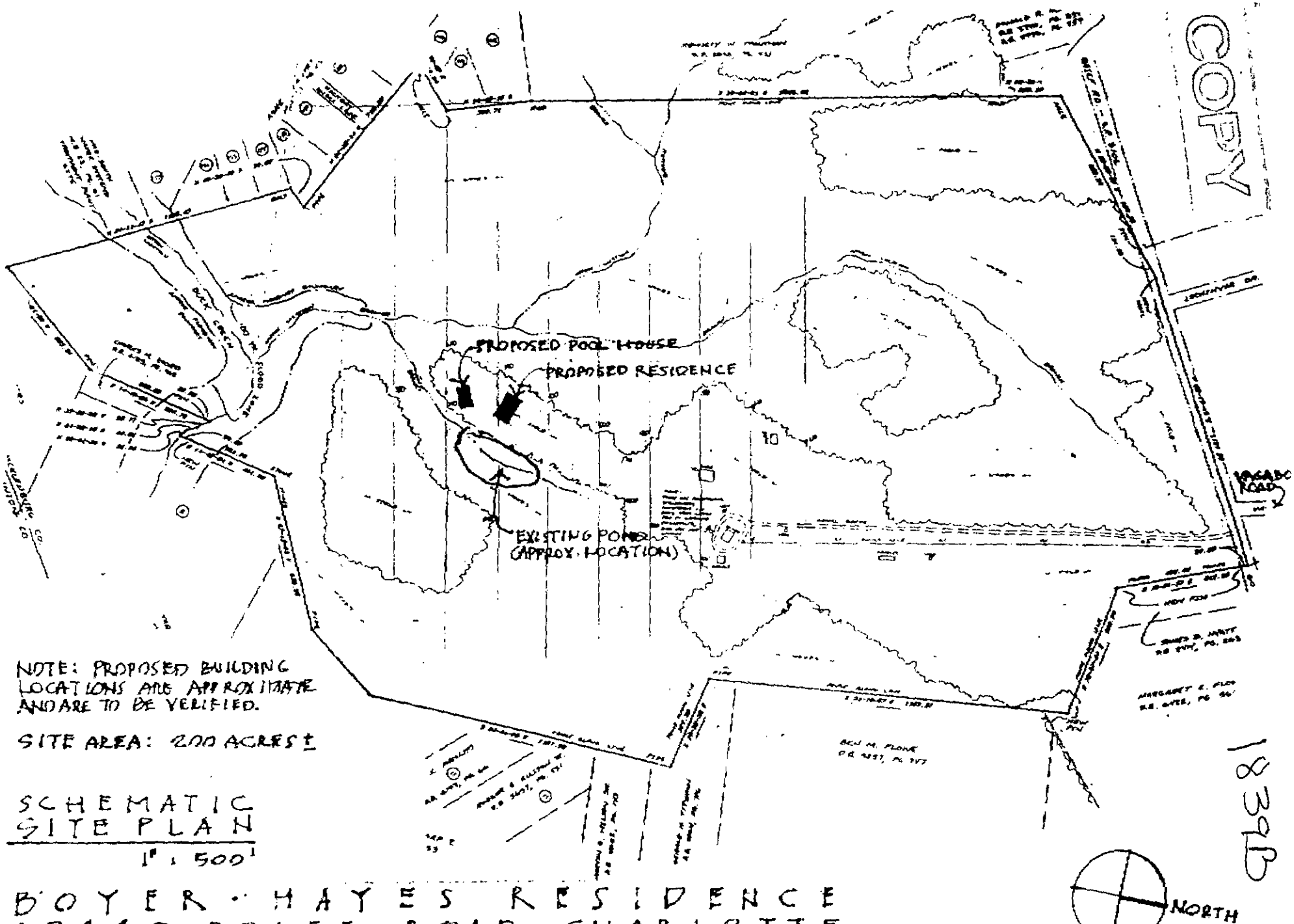
1" = 500'

BOYER - HAYES RESIDENCE

10440 BRIEF ROAD CHARLOTTE

1839B

1839B



BOYER - HAYES RESIDENCE
10440 BRIEF ROAD CHARLOTTE

1839B

FEE: 100.00 CK 3713

DATE: 4-2-97 JC

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

+ LCRT

TYPE APPLICATION: ✓ NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM (1839B) __ REPAIR OF EXISTING SYSTEM

NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT,
HEALTH, AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FILE #: ~~1839B~~ ~~1839B~~ - 4745A62 79A

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION: ~~10440~~ Brief Rd 10440

TAX/PARCEL NUMBER: ~~197-14108~~ PO 197-14-08

STREET ADDRESS: ~~10440~~ - Brief Rd

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
✓ HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

15- Rooms

SUBDIVISION OR MOBILE HOME PARK NAME: —

LOT NUMBER: — 200 ACRES

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

HEATED SQUARE FOOTAGE: 900 sq ft

NUMBER OF BEDROOMS: 4 | NUMBER OF OCCUPANTS: 3

CLOSING DATE

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT
__ ON SLAB
✓ CRAWL SPACE
✓ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

DIRECTION - TURN OFF RT 51 ONTO FAIRVIEW Rd - GO 1-mile TAKE LEFT ONTO BRIEF Rd - GO 2.3 miles DRIVEWAY ENTRANCE Right AT 1ST mailbox - MICHAEL S. MOORE SIGN

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: —

WATER SUPPLY (CHECK ONE):
__ COMMUNITY (C)
__ MUNICIPAL (M)
✓ PRIVATE WELL (P)
__ SHARED WELL (S)
__ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES	__ YES __ NO	WELL, SPRINGS OR WATERLINES	__ YES __ NO
EXISTING WASTEWATER SYSTEMS	__ YES __ NO	DESIGNATED WETLANDS	✓ YES __ NO
EASTMENTS OR RIGHT-OF-WAYS	__ YES __ NO		

PROPERTY OWNER:

NAME: BOYER, DR. PATRICIA K. (LAST) (FIRST) (MI)

ADDRESS: 10440 BRIEF Rd.

CITY: CHARLOTTE STATE: N.C. ZIP: 28227

DAYTIME PHONE: (704) 573 1386

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: HAYES, DR. DANIEL H. (LAST) (FIRST) (MI)

DAYTIME PHONE: (704) 573- 1386

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? —

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. 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: Michael S. Moore / Robert W. Jones DATE: 4-2-97

By Robert W. Jones

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102