Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 5864A Permit #: 5268 Tax Parcel #: 003-361-07

Property Owner: TARA RAGAN

Job Location Address: 14705 E. Rocky River Road

City: DAVIDSON State: NC Zip Code: 28036

Operation Permit Issuance Date: 4/2/12 Contractor Name: Carry Henkle

Permitted Design Flow: 240 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: — gallons

Effluent Pump Model: —

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 218 feet

# of Lines: 3 @ 73 feet

Depth of Media: 12 inches (Type) IQ4W

Depth of Cover: 12 inches

Distribution Device: DROP CHAMBER

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: >5' feet

Distance from Property Line: >10' feet

Distance from Water Supply Source: >100' feet

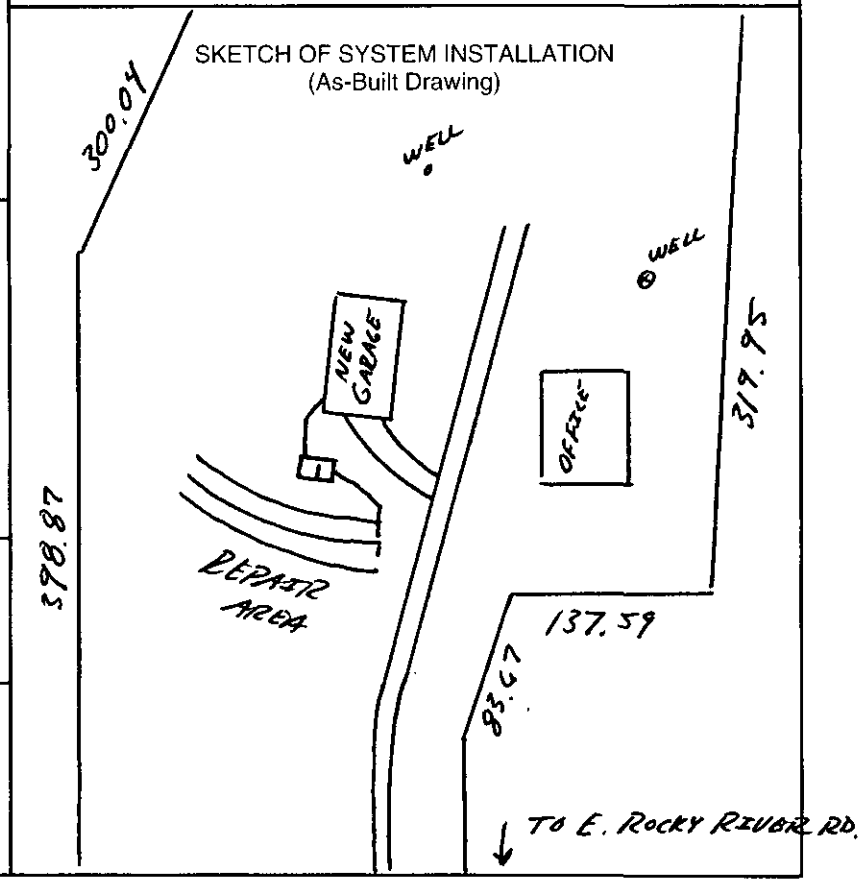
Inspection Dates

Tank(s) Inspected: 4/2/12

Excavation Inspected: 4/2/12

Pump & Controls Inspected: —

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



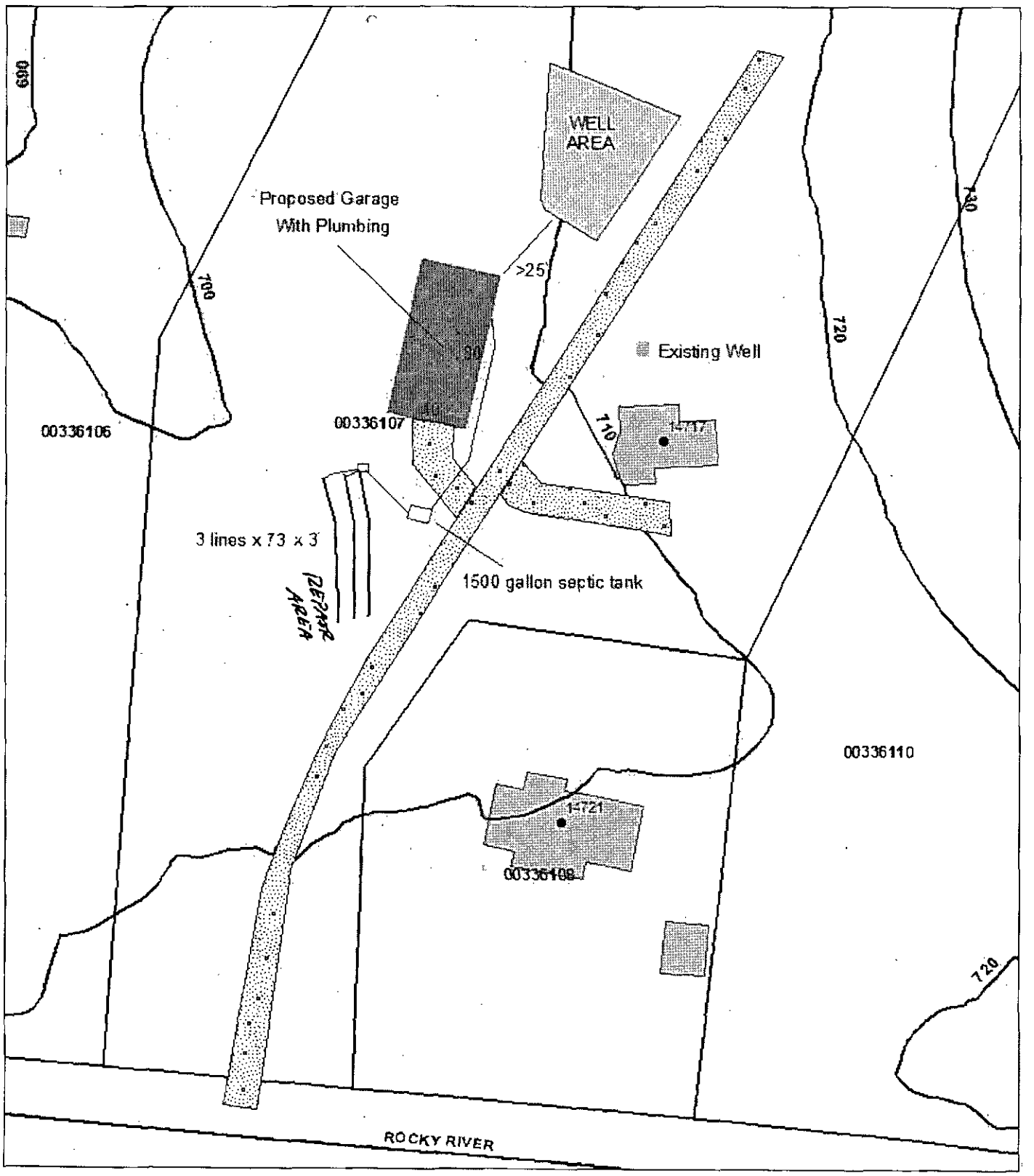
The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☒ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this 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 15A NCAC 18A. 1900 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 or Revocation of this permit.

Comments: System Classification & Type: III g, IQ4W, Gravity, NA, NA

DENR Authorized Agent: Jeremy Nicholas, R.S. Signature: Jeremy Nicholas R.S.

IMPROVEMENT PERMIT FOR
14705 E. ROCKY RIVER ROAD
FILE # 5864A



Jeremy Michelone, R.S.
October 19, 2011

0 40 80 160 Feet

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Page 1
Property ID: 336107
Lot #:
File #: 5864A
AppID: 5268

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Tara Ragan
Applicant: Tara Ragan
Address: 14705 east Rocky River Road
Date Evaluated: 10/17/11
Proposed Facility: Garage
Design Flow (.1949): 240 GPD
Property Size: 17.50 Acres
Location of Site: 14705 east Rocky River Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 1941 Structure/ Texture	1941 Consistence Mineralogy	PROFILE FACTORS b 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS 6%	0-4	GR/SL	FR/NS/NP/NEXP	>40" TO SOIL WETNESS	40"	NA	NA	IV 0.25 G/D/FT2
		4-16	WSBK/SCL	FR/SS/SP/SEXP					
		16-36	SBK/C	FI/S/P/SEXP					
		36-40	ABK/C	VFI/S/P/SEXP					
2	LS 7%	0-6	GR/SCL	FR/NS/NP/NEXP	EXPANSIVE @ 19"	23"	NA	NA	U
		6-19	SBK/C	FI/S/P/SEXP					
		19-23	ABK/C	VFI/VS/VP/EXP					
3	LS 10%	0-9	GR/SCL	FR/SS/SP/SEXP	CHROMA 2 @ 18"	18"	NA	NA	U
		9-18	SBK/C	FI/S/P/SEXP					
4	LS 5%	0-8	GR/SCL	FR/SS/SP/SEXP	>44" TO SOIL WETNESS	44"	NA	NA	PS, IV 0.275 G/D/FT2
		8-21	SBK/C	FI/S/P/SEXP					
		21-44	SBK/C	FI/S/P/SEXP					
5	LS 6%	0-8	GR/SCL	FR/SS/SP/SEXP	>46" TO SOIL WETNESS	46"	NA	NA	PS, IV 0.275 G/D/FT2
		8-27	SBK/C	FI/S/P/SEXP					
		27-46	SBK/CL	FI/S/P/SEXP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	IIIg
Site LTAR	0.275	0.275

Other Factors (.1946):

Soil Evaluation By: Jeremy Michelone, REHS

Site Classification (.1948): Provisionally Suitable

Site Evaluation By: Jeremy Michelone, REHS

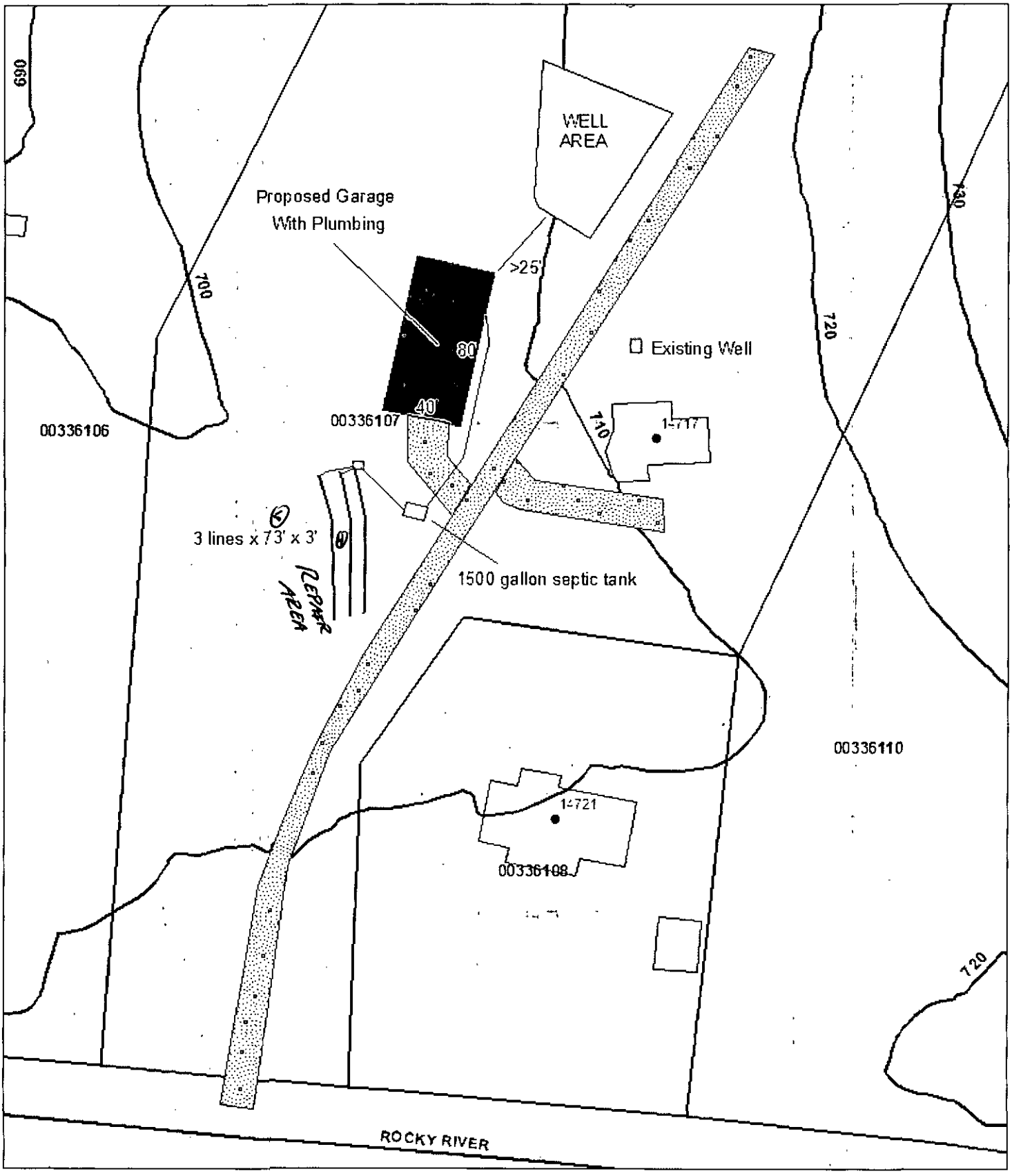
Others Present: Bill Transon

COMMENTS:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

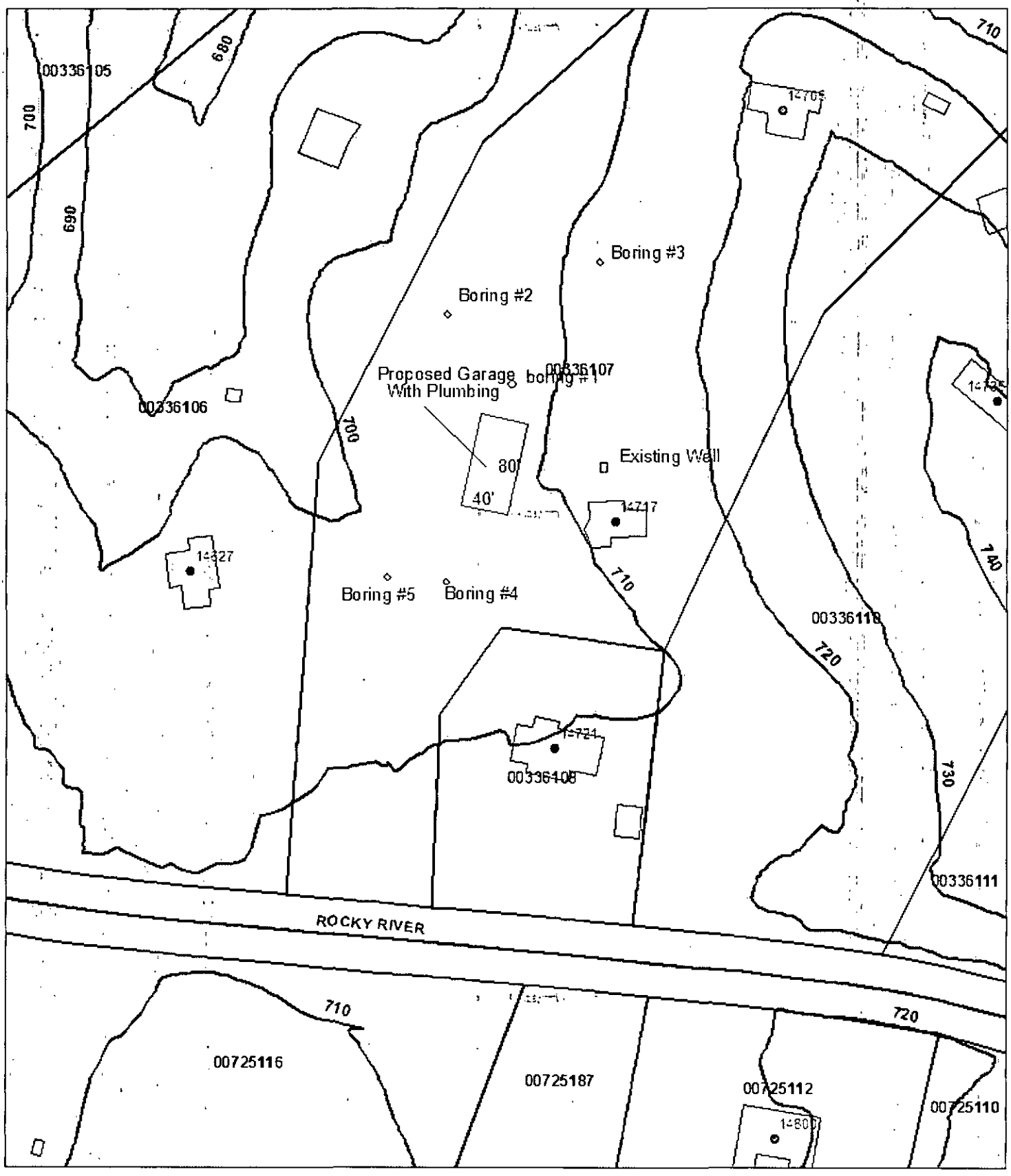
Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

IMPROVEMENT PERMIT FOR
14705 E. ROCKY RIVER ROAD
FILE # 5864A



Jeremy Michelone, R.S.
October 19, 2011

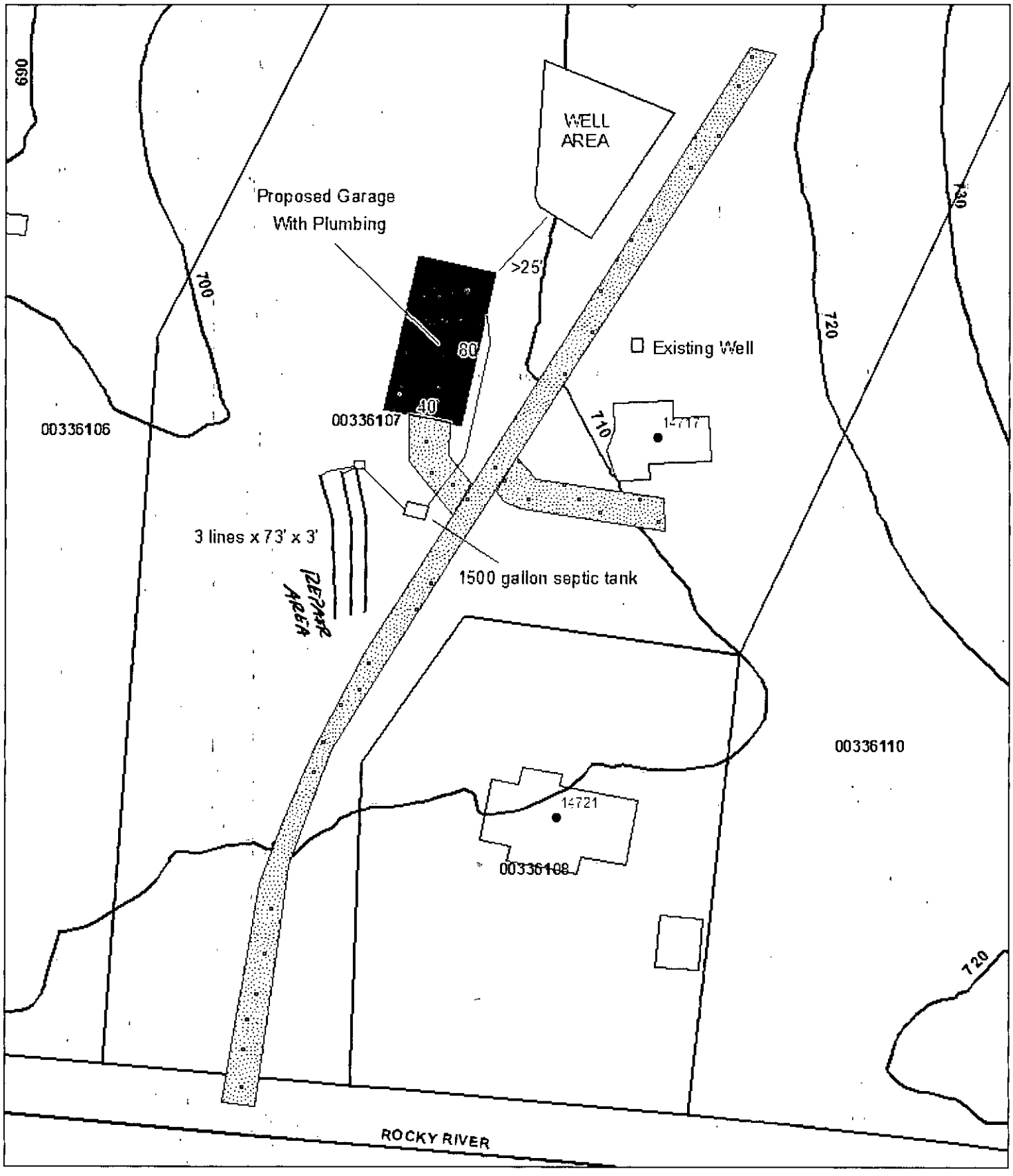
SOIL EVALUATION FOR:
14705 E. Rocky River Road
FILE # 5864A



Jeremy Michelone, R.S.
October 19, 2011

0 65 130 260 Feet

IMPROVEMENT PERMIT FOR
14705 E. ROCKY RIVER ROAD
FILE # 5864A



Jeremy Michelone, R.S.
October 19, 2011

0 40 80 160 Feet

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NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: 30005268 GWS File #: 5864A Tax Parcel #: 003-361-07

- *This 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.

I. This Improvement Permit Shall: Expire in Five (5) Years Expiration Date (If Applicable): 10/19/2016

Type of Installation: Residential - New System Lot Number: 0

Structure Type: OTHER Size (ft^2): 3200 # Bedrooms: 0 # Occupants: 0

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: Approved System Classification: IIIg

Initial System Specifications:

Design Flow (gpd): 240 LTAR (gpd/ft^2): 0.275 Septic Tank Size (gal): 1500 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 655 Total Trench Length (ft): 218

Maximum Trench Depth (in): 30 Depth of Media (in): 12 Distribution Device: Distribution Box

III. Repair System Type: Approved System Classification: IIIg

Repair System Specifications:

Design Flow (gpd): 240 LTAR (gpd/ft^2): 0.275 Septic Tank Size (gal): 1500 Pump Tank Size (gal): N/A

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 655 Total Trench Length (ft): 218

Maximum Trench Depth (in): 30 Depth of Media (in): 12 Distribution Device: Distribution Box

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____

Print Name

Signature: Jeremy Michelone Signature: _____ Tara Ragan

Date Issued: 10/19/2011

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6884

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: 30005268 GWS File #: 5864A

IV. Permit Conditions/Comments:

- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- *The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve* gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.

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DENR Authorized Agent: Jeremy Michelone

Signature: [signature]

Date Issued: 10/19/2011

Owner/Legal Agent: Tara Ragan
Print Name

Signature: [signature]

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700 N. Tryon St, Suite 211 Charlotte, NC 28202
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IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30005268** GWS File #: **5864A** Tax Parcel #: **003-361-07**

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Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: Approved **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	240	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	655	Total Trench Length (ft):	218
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Distribution Box		

IV. Permit Conditions/Comments:

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DENR Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____ Print Name

Signature: _____ Signature: _____

Date Issued: 10/19/2011

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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone

Signature: _____

Date Issued: 10/19/2011

Owner/Legal Agent: _____
Print Name

Signature: _____

5864A

MECKLENBURG COUNTY
HEALTH DEPARTMENT

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. **SEPTIC / TYPE APPLICATION:** ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. **WELL / TYPE APPLICATION:** ○ N/A ◉ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. **JOB LOCATION INFORMATION:**

TAX PARCEL NUMBER: ~~4086-427~~ 003-361-07
STREET ADDRESS: 14705 E Rocky River Rd
CITY: Davidson
STATE: NC ZIP: 28036
SUBDIVISION NAME: n/a
LOT #: n/a LOT SIZE (acres): 17.50

TOWNSHIP:
◉ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. **BUILDING INFORMATION:**

BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
○ HOUSE ◉ OTHER garage

HEATED SQUARE FOOTAGE: 3,200
NUMBER OF BEDROOMS: 0
NUMBER OF OCCUPANTS: 0

FOUNDATION TYPE:
◉ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
○ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. **IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION:** ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. **WATER SUPPLY:** ○ MUNICIPAL ◉ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. **PROPOSED USE OF WELL:** ◉ N/A ○ IRRIGATION ◉ POTABLE (DRINKING WATER) ○ OTHER _____

8. **PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE** *(1-MOST DESIRED 5-LEAST DESIRED):*

☐ N/A ☐ ANY TYPE ☑ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. **RANK:** 1 ____ ____ ____ ____

9. **DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ◉ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ◉ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ◉ NO	JURISDICTIONAL WETLANDS	○ YES ◉ NO
WELLS, SPRINGS, OR WATER LINES	○ YES ◉ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ◉ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ◉ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ◉ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ○ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ◉ NO
WASTE STORAGE	○ YES ◉ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ◉ NO

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** 3/25/11 ☐ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** _____ ☑ N/A

12. **PROPERTY OWNER:**

NAME: Tara Ragan
ADDRESS: 14705 E Rocky River Rd
CITY: Davidson
STATE: NC ZIP: 28036
WORK PHONE: (704) 895-5393
MOBILE PHONE: (704) 299-3399
FAX: (704) 895-5475
E-MAIL: t_ragan1@yahoo.com

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**

NAME: _____
ADDRESS: _____
CITY: _____
STATE: _____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

15

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

TR *(Initial here for septic system applications)*

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

TR *(Initial here for well applications)*

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

X _____ 10/4/11

Property Owner's or Owner's Legal Representative Signature — Date

---

OFFICE USE ONLY

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ○ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ 250.00 DATE FEE RECEIVED: 10/4/11

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: lws

GWS FILE NUMBER ASSIGNED: 5864A

APPLICATION ID NUMBER ASSIGNED: 5268

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

3/5

File #: 5864A

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 14705 E. Rocky River Rd. Tax Parcel #: 003-361-07

Subdivision Name: _____ Lot #: _____

ATTACHED SHEET I & II

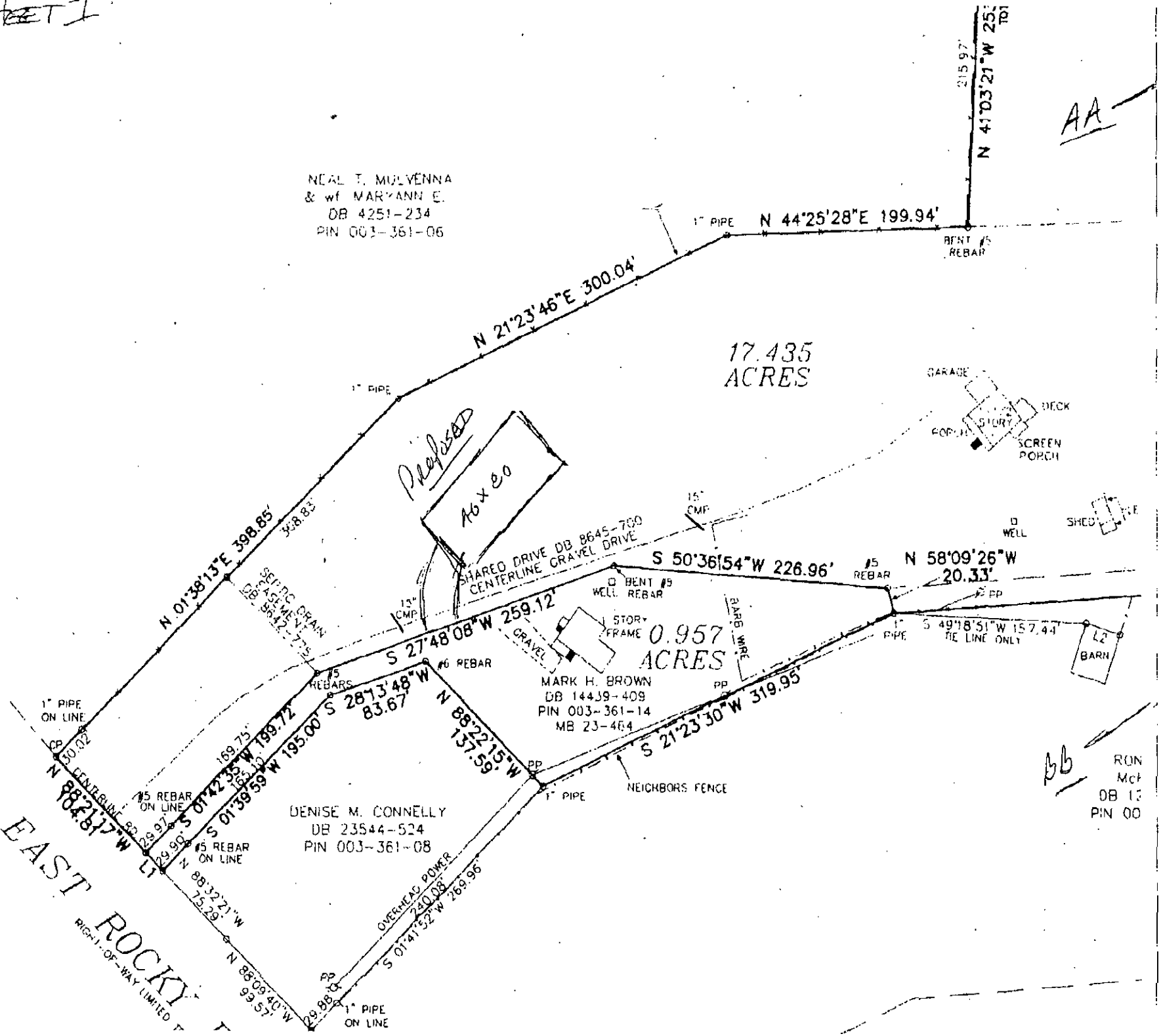
ATTACHED SHEET I & II

Property Owner's or Owner's Legal Representative Signature Date

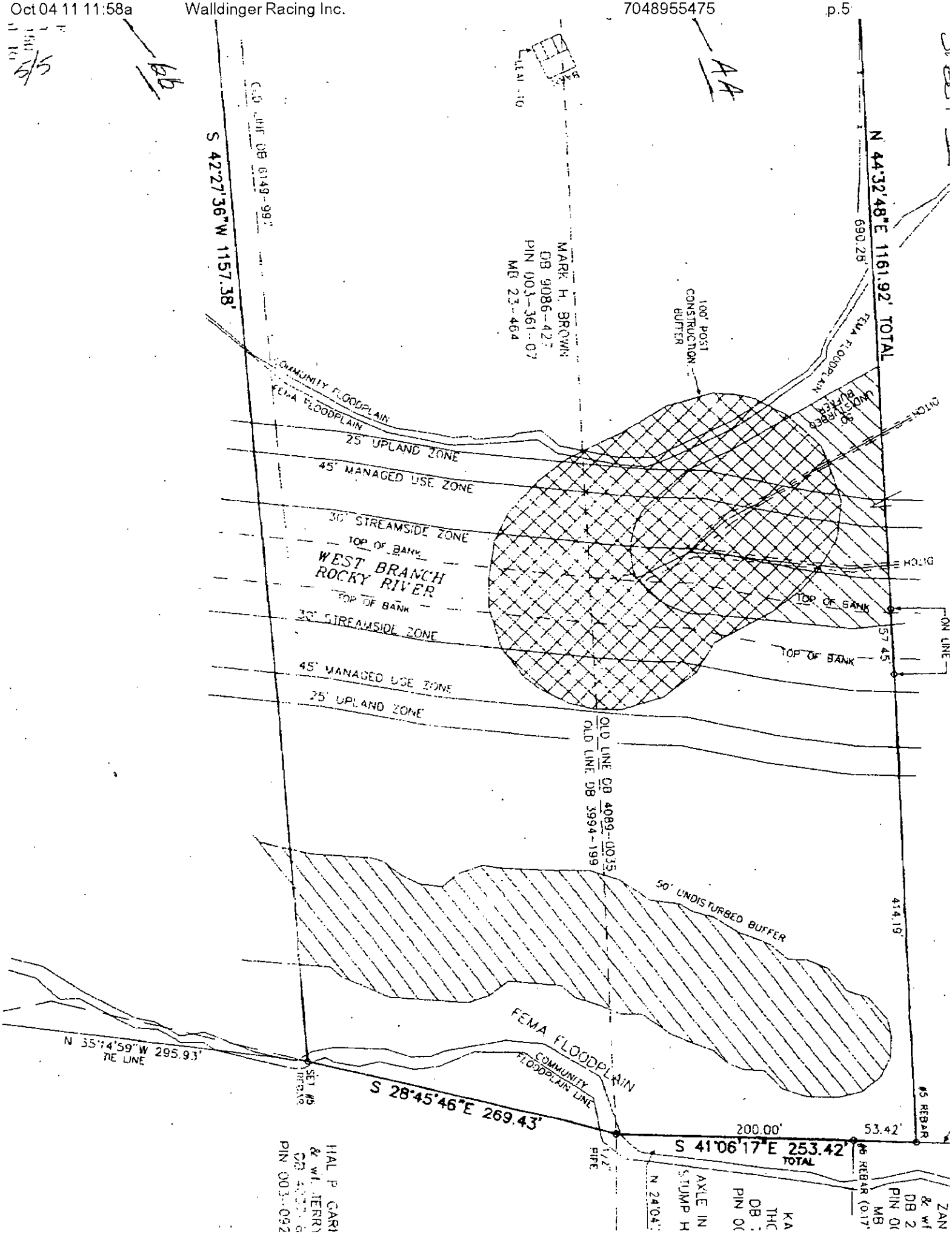
MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

SHEET 1


NEAL T. MULVENNA
& wf MARYANN E.
DB 4251-234
PIN 003-361-06
1" PIPE
N 44°25'28"E 199.94'
BENT #5 REBAR
N 41°03'21"W 25
AA
N 21°23'46"E 300.04'
17.435 ACRES
GARAGE
DECK
STORY
SCREEN PORCH
Prefab
46 x 80
15" CMP
SHED
WELL
SHARED DRIVE DB 8645-709
CENTERLINE GRAVEL DRIVE
S 50°36'54"W 226.96'
#5 REBAR
N 58°09'26"W
20.33'
BENT #5 WELL REBAR
N 01°38'13"E 398.85'
368.83'
SEPTIC DRAIN DB 8642-775
S 27°48'08"W 259.12'
1 STORY FRAME
GRAVEL
0.957 ACRES
BARB WIRE
#5 REBARS
#6 REBAR
1" PIPE
S 49°18'51"W 157.44'
TIE LINE ONLY
L2
BARN
MARK H. BROWN
DB 14439-409
PIN 003-361-14
MB 23-464
1" PIPE ON LINE
50.02'
CENTERLINE
N 88°21'17"W
84.81'
169.75'
S 01°42'35"W 199.72'
165.12'
S 01°39'59"W 195.00'
S 28°13'48"W
83.67'
N 88°21'15"W
137.59'
S 21°23'30"W 319.95'
PP
#5 REBAR ON LINE
29.97'
29.90'
L1
#5 REBAR ON LINE
N 88°32'21"W
75.29'
N 88°09'40"W
99.57'
29.88'
1" PIPE ON LINE
DENISE M. CONNELLY
DB 23544-524
PIN 003-361-08
NEIGHBORS FENCE
OVERHEAD POWER
240.08'
S 01°41'52"W 269.96'
EAST ROCK
RIGHT-OF-WAY (LIMITED
bb
RON
Mc
DB 13
PIN 00

4/5


S 42°27'36"W 1157.38'
N 44°32'48"E 1161.92' TOTAL
690.26'
MARK H. BROWN
DB 9086-427
PIN 003-361-07
MB 23-464
100' POST CONSTRUCTION BUFFER
COMMUNITY FLOODPLAIN
FEMA FLOODPLAIN
25' UPLAND ZONE
45' MANAGED USE ZONE
30' STREAMSIDE ZONE
TOP OF BANK
WEST BRANCH ROCKY RIVER
TOP OF BANK
30' STREAMSIDE ZONE
45' MANAGED USE ZONE
25' UPLAND ZONE
50' UNDISTURBED BUFFER
OLD LINE DB 4089-0035
OLD LINE DB 3994-199
DITCH
TOP OF BANK
TOP OF BANK
ON LINE
57.45'
414.19'
FEMA FLOODPLAIN
COMMUNITY FLOODPLAIN LINE
N 35°14'59"W 295.93'
TIE LINE
SET #5 REBAR
S 28°45'46"E 269.43'
200.00'
53.42'
S 41°06'17"E 253.42' TOTAL
#5 REBAR
1/2" PIPE
#5 REBAR (0.17')
N 24°04'
AXLE IN STUMP H
HAL P GARI
& wf TERRI
DB
PIN 003-092
KA
THO
OB
PIN 00
ZAN
& wf
DB 2
PIN 00
MB

N.C. Department of Environment and Natural Resources
Division of Environmental Health

Inspection of Engineered Subsurface Wastewater System

Mecklenburg County **Health Department** 14705 E ROCKY RIVER RD	NA **Name of Establishment** HOUSE	5864A **Permit/Project No.**
Location JOHN SHIELDS **Owner/Agent**	**Type of Establishment** 14705 E ROCK RIVER RD **Address** DAVIDSON NC 28036	**Design Flow** 240 **Phone**
Operator IIIb **System Type**	**Address** 9/23/09 **Date of Inspection**	**Phone** 9/23/2014 **Next Inspection Due**

	Yes	No	N/A	Comments:
1. ESTABLISHMENT:				
a. Type, size, and sewage flow in accordance with permit?	☒	☐	☐	
2. COLLECTION SYSTEM:				
a. No evidence of leaks into or out from sewer lines/manholes?	☒	☐	☐	
b. Free of blockages/solids buildup in lines or manholes?	☒	☐	☐	
3. TANKAGE: (Grease Traps/Lift Stations/Septic/Dosing Tanks)				
a. Tank risers accessible and surface water diverted?	☒	☐	☐	
b. Tanks and access manholes structurally sound, watertight?	☒	☐	☐	
c. Sanitary tee(s) in good working condition?.....	☐	☐	☒	3.c. Sanitary tee not inspected.
d. Tanks pumped, cleaned out as needed?.....	☒	☐	☐	
4. RAW SEWAGE LIFT STATION (if present):				
a. Required pumps present, operating, and cycling properly	☐	☐	☒	
b. High-water alarm present and operating properly?	☐	☐	☒	
c. Floats/pipe/valves/disconnects in good condition?	☐	☐	☒	
5. EFFLUENT DOSING SYSTEM:				
a. Effluent appears clear, free of excess solids?	☒	☐	☒	
A. PUMP SYSTEMS:				
a. Required pumps present, operating, and cycling properly?	☒	☐	☐	
b. High-water alarm present and operating properly?	☒	☐	☐	
c. Floats/pipe/valves/disconnects in good working condition?	☒	☐	☐	
d. Control panel enclosure/components in good condition?	☒	☐	☐	
e. Elapsed time readings: _____ _____ _____ _____				
B. SIPHON SYSTEMS:				
a. No evidence of overflow or siphon leakage?	☐	☐	☒	
b. Siphon(s) appear to be working/alternating properly?	☐	☐	☒	
c. Bells and vents free of debris and in good condition?	☐	☐	☒	

	Yes	No	N/A	Comments:
6. GROUND ABSORPTION FIELDS:				
a. No evidence of effluent surfacing/reaching surface waters?	☒	☐	☐	
b. Minimal ponding in subsurface trenches?	☒	☐	☐	
c. Surface water being effectively diverted away?	☒	☐	☐	
d. Diversions/ditches/swales/tiles drains properly maintained?	☒	☐	☐	
e. Line cover/vegetation adequate/maintained as needed?	☒	☐	☐	
f. Protected from traffic, destructive uses?	☒	☐	☐	
g. Distribution devices in good condition, working properly?	☒	☐	☐	
h. Repair area properly reserved, maintained?	☒	☐	☐	
A. LOW PRESSURE PIPE DRAIN FIELDS:				
a. Turnups/cleanouts/valves intact and accessible?	☐	☐	☒	
b. No effluent standing in lower laterals?	☐	☐	☒	
c. Laterals free of excess solids, cleaned out as needed?	☐	☐	☒	
d. Pressure head is properly adjusted?	☐	☐	☒	

OVERALL CONDITION AND OPERATION OF SYSTEM:
GOOD

SUMMARY OF REPAIRS REQUIRED AT THIS TIME:
NA

***REPAIR WITHIN DAYS.**

SYSTEM MAINTENANCE/IMPROVEMENTS REQUIRED:
*The MCHD recommends having the tanks (septic & dosing) pumped out every 3 to 5 years to remove excess solids.
*Please visit http://groundwater.charmeck.org for additional information.

DATE: 9/23/2009

SIGNED: _____ AGENT
Division of Environmental Health

Printed Name: PHILO WALKER
Phone #: 704-201-7673AppEnablerAppEnabler

N. C. Department of Environment and Natural Resources
Division of Environmental Health

INSPECTION OF ENGINEERED SUBSURFACE WASTEWATER SYSTEM

Mecklenburg — Health Department
Name of Establishment
5864A — Permit/Project No.

14717 E. Rocky River Road — Location
residence — Type of Establishment
240 gpd — Design Flow

John M. Shields, Jr., 14717 E. Rocky River Road, Davidson, NC 28036 — Owner/Agent, Address, Phone

None — Operator, Address, Phone

Remarks ~~LPP system installed prior to '92 State operator law~~

	Yes	No	REMARKS
1. ESTABLISHMENT:			
Type, size, and sewage flow in accordance with permit?	☑	☐	
2. COLLECTION SYSTEM:			
No evidence of leaks into or out from sewer lines/manholes?	☐	☐	
Free of blockages/solids buildup in lines or manholes?	☐	☐	
3. TANKAGE (Grease Traps/Lift Stations/Septic/Dosing Tanks):			
Tank risers accessible and surface water diverted?	☑	☑	
Tanks and access manholes structurally sound, watertight?	☑	☐	
Sanitary tee(s) in good working condition?	☐	☐	
Tanks pumped, cleaned out as needed?	☐	☐	
4. RAW SEWAGE LIFT STATION (if present):			
Required pumps present, operating, and cycling properly?	☐	☐	
High-water alarm present and operating properly?	☐	☐	
Floats/pipe/valves/disconnects in good working condition?	☐	☐	
Control panel enclosure/components in good condition?	☐	☐	
5. EFFLUENT DOSING SYSTEM:			
Effluent appears clear, free of excess solids?	☐	☐	- weather proof box mounted – new receptacle added and new pump float added. - Receptacle may not be approve by electrical department - rece a shock from it. - float needs to be secured or stabilized better.
PUMP SYSTEMS:			
Required pumps present, operating, and cycling properly?	☑	☐	
High-water alarm present and operating properly?	☑	☐	
Floats/pipe/valves/disconnects in good working condition?	☐	☐	
Control panel enclosure/components in good condition?	☐	☐	
Elapsed time readings: _____ _____ _____ _____			
SIPHON SYSTEMS:			
No evidence of overflow or siphon leakage?	☐	☐	
Siphon(s) appear to be working/alternating properly?	☐	☐	
Bells and vents free of debris and in good condition?	☐	☐	
6. GROUND ABSORPTION FIELDS:			
No evidence of effluent surfacing/reaching surface waters?	☑	☐	
Minimal ponding in subsurface trenches?	☑	☐	
Surface water being effectively diverted away?	☑	☐	
Diversions/ditches/swales/tile drains properly maintained?	☑	☐	
Line cover/vegetation adequate/maintained as needed?	☑	☐	
Protected from traffic, destructive uses?	☑	☐	
Distribution devices in good condition, working properly?	☑	☐	
Repair area properly reserved, maintained?	☑	☐	
LOW-PRESSURE PIPE DRAIN FIELDS:			
Turnups/cleanouts/valves intact and accessible?	☐	☐	
No effluent standing in lower laterals?	☐	☐	
Laterals free of excess solids, cleaned out as needed?	☐	☐	
Pressure head is properly adjusted?	☐	☐	

OVERALL CONDITION AND OPERATION OF SYSTEM: _____

SUMMARY OF IMPROVEMENTS NEEDED:

Improvement	Repair Within (Day
Recommend Electrical Inspection	(recommendat
Secure Float tree by adding a brace to it	asap

DATE: 8-24-99 SIGNED: Jerry B. Thompson, Jr. L.S. AGEN
Division of Environmental Health

DENR 3702 (Revised 3/98)
On-Site Wastewater Section (Review 12/98)

– over –

SUMMARY OF IMPROVEMENTS NEEDED (cont.)

Improvement	Repair Within (Days)

INTENT TO SUSPEND OR REVOKE PERMIT

This is to notify you of intent to suspend/revoke your operation permit/certificate of completion 60 days from this date for the following
(circle one) *(circle one)*

violations: _____
[Law or Rule(s)]

If suspended, the operation permit or certificate of completion remains suspended until violations are corrected. A hearing will be held prior to suspension or revocation if you file a petition for a hearing with the Office of Administrative Hearings, P. O. Drawer 27447, Raleigh, NC 27611-7447, in writing within the number of days specified above of your intent to attend the hearing. If you do not petition the Office of Administrative Hearings, the operation permit or certificate of completion will be suspended or revoked.

IMMEDIATE SUSPENSION OR REVOCATION OF PERMIT

This is to notify you of immediate suspension/revocation of your operation permit/certificate of completion for the following violations:
(circle one) *(circle one)*

_____
[Law or Rule(s)]

If suspended, the permit or certificate remains suspended until the violations are corrected. You will be notified of the day and location of a hearing on this suspension or revocation by a hearing officer from the Office of Administrative Hearings.

This the _____ day of _____, 19 _____.

_____ Agent
DIVISION OF ENVIRONMENTAL HEALTH

INSTRUCTIONS

Purpose: Article 11 of Chapter 130A requires the Commission for Health Services to adopt rules governing the design, construction, and operation of on-site wastewater systems. 15A NCAC 18A .1937 specifies that the local health department shall determine whether systems with an Operation Permit are operating properly at a frequency specified in Rule .1961, Table V(a), and that systems which exceed 3,000 gallons per day and other systems which are required to be designed by a professional engineer shall be reinspected annually. This form is developed to be used in making inspections of engineered subsurface wastewater systems.

Preparation: Local environmental health specialists shall complete the form every time they conduct an inspection. Prepare an original and two copies for:

1. Original to be left with the responsible person.
2. Copy for the local health department.
3. Copy for the On-Site Wastewater Section, Division of Environmental Health.

In the event the permit is suspended or revoked, complete the portion above.

Disposition: This form may be destroyed in accordance with Standard 7, Inspection Records, of the *Records Disposition Schedule* published by the N.C. Division of Archives and History.

Additional forms may be ordered from: On-Site Wastewater Section
Division of Environmental Health
P. O. Box 29594
Raleigh, NC 27626-0594
(Courier 52-01-00)

North Carolina State Laboratory of Public Health
Department of Health and Human Services
P. O. Box 28047 -- 306 N. Wilmington St. -- Raleigh, N. C. 27611-8047

INORGANIC CHEMICAL ANALYSIS - PRIVATE WATER SYSTEM

Name of System: John A. Shields ~~Brown, Mark H.~~
Address: 14703 E. Rocky River Rd.
Davidson, NC **Zip:** 28036

Source of Water: ground
Source of Sample:
Type of Sample: raw
Type of Treatment: none
Type of Analysis PRIVATE

County: MECKLENB

Report To: Mecklenburg Co. Env. Health
700 North Tryon Street
Charlotte, NC 28202
Courier: 05-16-21

ATTN: Larry Thompson
(704) 336-5101

Collected By: L. THOMPSON **Date:** 8/16/99 **Time:** 1:10:00 PM

Location of sampling point: outside tap

Remarks: III B

Parameters	Results	Units	Date Analyzed:
Alkalinity as CaCO3	158	mg/l	8/17/99
Arsenic	<0.01	mg/l	8/17/99
Calcium	31.3	mg/l	8/17/99
Chloride	7	mg/l	8/17/99
Copper	<0.05	mg/l	8/17/99
Fluoride	<0.10	mg/l	8/17/99
Iron	<0.05	mg/l	8/17/99
Hardness as CaCO3 (Ca,Mg)	152	mg/l	8/17/99
Magnesium	18.0	mg/l	8/17/99
Manganese	<0.03	mg/l	8/17/99
Lead	<0.005	mg/l	8/17/99
pH	7.4	Std: unit	8/17/99
Zinc	<0.05	mg/l	8/17/99

Date Received: 8/17/99
Today's Date: 8/23/99

Report Date: 8/23/99
Ref: 12317

Reported By:
Sample Number: AA21141

Explanations

Coliform Analysis:
If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. Presence of E. *coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.

Inorganic Analysis:
Recommended limits for drinking water. Sample should not exceed levels listed below:

Alkalinity	No established limits	Iron	0.30 mg/l
Arsenic	0.05 mg/l	Lead	0.015 mg/l
Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l

North Carolina State Laboratory of Public Health
Department of Health and Human Services
P. O. Box 28047 -- 306 N. Wilmington St. -- Raleigh, N. C. 27611-8047

INORGANIC CHEMICAL ANALYSIS - NITRATE ONLY

Name of System: ~~Brown, Mark H.~~ John A. Shields
Address: 14705 17 E. Rocky River Rd.
Davidson, NC **Zip:** 28036
County: MECKLENB

Source of Water: ground
Source of Sample:
Type of Sample: raw
Type of Treatment: none
Type of Analysis: NITRATE
Category: other

Report To: Mecklenburg Co. Env. Health
700 North Tryon Street
Charlotte, NC 28202
Courier: 05-16-21

ATTN: Larry Thompson
(704) 336-5101

Collected By: J. THOMPSON **Date:** 8/16/99 **Time:** 1:10:00 PM
Location of sampling point: outside tap
Remarks: III B

Parameters	Results	Units	Date Analyzed:
Nitrite as N	<0.10	mg/l	8/17/99
Nitrate as N	1.07	mg/l	8/17/99
Total Nitrate/Nitrite	1.07	mg/l	8/17/99

EXPLANATION OF RESULTS:

Foster/Therapeutic Homes: Nitrate-N level acceptable if less than or equal to 10 mg/l
Private Well Guidelines: Nitrite-N level should be ≤ 1.0 mg/ml and Nitrate-N ≤ 10.0 mg/ml

Date Received: 8/17/99 **Report Date:** 8/20/99 **Reported By:**
Today's Date: 8/20/99 **Reference:** 12343 **Sample Number:** AA21185

Explanations

Coliform Analysis:
If coliform bacteria are Absent, the water is considered safe for drinking purposes. If coliform bacteria are Present, the water is considered unsafe for drinking purposes. Presence of E. *coli* (bacteria) generally indicates that the water has been contaminated with fecal material. It must be remembered that a water analysis refers only to the sample received and should not be regarded as a complete report on the water supply.

Inorganic Analysis:
Recommended limits for drinking water. Sample should not exceed levels listed below:

Alkalinity	No established limits	Iron	0.30 mg/l
Arsenic	0.05 mg/l	Lead	0.015 mg/l
Calcium	No established limits	Magnesium	No established limits
Chloride	250 mg/l	Manganese	0.05 mg/l
Copper	1.3 mg/l	Nitrate	10 mg/l (as N)
Fluoride	4 mg/l	Nitrite	1.0 mg/l (as N)
Hardness	No established limits	pH	Not less than 6.5 units
		Zinc	5.0 mg/l

Mecklenburg County
Health Department

September 1, 1999

John M. and Chessel N. Shields, Jr.
14717 East Rocky River Road
Davidson, NC 28036

Dear Mr. and Mrs. Shields:-

This letter is being sent to all home/business owners in Mecklenburg County with septic tank systems that utilize pumps. In 1990 the North Carolina Administrative Code governing septic tank systems was amended to require routine maintenance and inspection of certain septic tank systems. Research conducted on septic tank systems has shown that properly maintained systems perform better and protect the home/business owner's investment. These State rule changes required local health departments to perform additional inspections without additional resources. During the 1998-99 budget hearings, the Mecklenburg County Board of County Commissioners (BOCC) approved user fees to offset costs and to allow the local health department to comply with mandatory enforcement requirements in the State regulations.

Since you have a pump system, these new rules and fee requirements affect you. The fee is $85.00 and is due upon receipt of this notice. We have visited your property and made assessments and recommendations for the continued efficient operation of your septic tank system. In addition, a bacterial, and two inorganic well water samples were collected to help assess the quality of your water supply source. The process, including fee assessment, will be repeated every five (5) years. The fee amount may change in the future.

We are excited about the interest and support demonstrated by the BOCC. Past performance in this area was more enforcement oriented rather than supportive. One of our goals is to establish our department as a resource to you to aid and assist you with this and related public health concerns. The inspection program and the water analysis are important to the health of you and your family. This is a very important initiative intended to protect the public's health while improving and preserving our groundwater resources.

I have enclosed your inspection report as well as the bacteriological and inorganic water sample results. Please let me know if you have any questions regarding these reports.

Sincerely,

L.B. Thompson, Jr. R.S.

Larry B. Thompson, Jr., R.S., Coordinator
Managed Systems Program
Individual Water and Wastewater Systems

Enclosure

cc: Fiscal Services Manager, HMHCS

MAINTENANCE INSPECTION STATEMENT

MECKLENBURG COUNTY HEALTH DEPARTMENT

John M & Chessel N Shields, Jr.

Mark H. & Sharon T. Brown
14705 East Rocky River Road
Davidson, NC 28036

14717 E. Rocky River
Davidson, NC 28036

Please Make Check Payable To:

Mecklenburg County Health Department
700 N. Tryon Street, Ste 211
Charlotte, NC 28202

Note: THIS COMPLETED FORM MUST ACCOMPANY PAYMENT!

DESCRIPTION OF PROPERTY

45

Name	Site Address	Tax Parcel	File #	# Bedroom	System Type
Mark H. & Sharon T. Brown	~~14705~~ 14717 East Rocky River Rd.	003-092-~~28~~	5864A	2	IIIB

Total Amount Due: $85.00

Please use the space below, to make any corrections to property information.

Name _____

Site Address _____

_____

Bedrooms _____

RECEIVED
$85.00
CK# 1512
8/9/99

8-16-99

Sewage in riser alarm in silence mode

BILL INFORMATION

Billing Date	Payment Due Date
4/13/99	5/13/99

Direct Questions Concerning This Bill To ..... (704) 336-5102

☐ *Please check if you have a well.*

Make Check Payable To Mecklenburg County Health Department
Your Canceled Check Is Your Receipt

DO NOT SEND CASH

Mecklenburg County Public Health Laboratory

Environmental Health Section

249 Billingsley Road • Charlotte, North Carolina 28211

1116

Microbiological Analyses

Owner, System or Establishment: John Shields

Address: 14717 E. Rocky River Rd

Davidson, NC Zip: 28036

Collected By: L. Thompson

Date Collected: 8-16-99 Time: 1:10 AM (PM)

Sample Source: Outside tap

Date Delvd. to Lab: 8-16-99 Time: 3:10 AM (PM)

Delivered By: LBT ☑ Received on Ice Initials LBT

Type of Sample

Potable Water

- ☑ Individual Well
- ☐ Non-Community
- ☐ Community
- ☐ City
- ☐ Other (specify)

Treatment ☐ chlorinated ☑ nonchlorinated

- ☑ Initial Sample
- ☐ Recheck (chlorinated)
- ☐ Recheck (nonchlorinated)
- ☐ Other (specify) _____

Nonpotable Water

- ☐ Surface
- ☐ Storm
- ☐ Other (specify) _____

Analysis Requested: ☑ Total Coliform ☐ Fecal Coliform ☐ Fecal Strep ☐ Enterococcus

☐ Sulfate Reducing Bacteria ☐ Pseudomonas aeruginosa

☐ Other (specify) _____

☐ Food Analysis (specify) _____

Comments: _____

Laboratory Analysis Report

Method: _____ Membrane Filter ✓ Colilert _____ Multiple Tube Fermentation

Total Coliform Absent /100 ml.

Fecal Coliform Absent /100 ml.

Fecal Strep _____ /100 ml.

Enterococcus _____ /100 ml.

Non-Coliform _____ /100 ml.

Plate Count _____ /gm. or ml.

Coliform Count _____ /gm. or ml.

Pseudomonas aeruginosa _____ /100 ml.

Laboratory Comments:

Date Received: 8/16/99 Date Reported: 8/17/99

Received By: MG Analyst: MG Lab #: 78

Laboratory Identification #: 37518 DEHNR Division of Laboratory Services
#: 449 DEM

L 1.14 1/92
Rev. 10/96
4319

White - Lab Report Copy Yellow - Lab File copy

N. C. Department of Environment and Natural Resources
Division of Environmental Health

INSPECTION OF ENGINEERED SUBSURFACE WASTEWATER SYSTEM

Mecklenburg		5864A
Health Department	Name of Establishment	Permit/Project No.
14717 E. Rocky River Road	residence	240 gpd
Location	Type of Establishment	Design Flow
John M. Shields, Jr., 14717 E. Rocky River Rd, Davidson, NC 28036		
Owner/Agent	Address	Phone
None		
Operator	Address	Phone

Remarks: LPP system installed prior to '92 State operator law.

	Yes	No	REMARKS
1. ESTABLISHMENT:			
Type, size, and sewage flow in accordance with permit?	☑	☐	
2. COLLECTION SYSTEM:			
No evidence of leaks into or out from sewer lines/manholes?	☐	☐	
Free of blockages/solids buildup in lines or manholes?	☐	☐	
3. TANKAGE (Grease Traps/Lift Stations/Septic/Dosing Tanks):			
Tank risers accessible and surface water diverted?	☑	☐	
Tanks and access manholes structurally sound, watertight?	☑	☐	
Sanitary tee(s) in good working condition?	☐	☐	Recommend pumping septic tank every 3-5 years
Tanks pumped, cleaned out as needed?	☐	☐	
4. RAW SEWAGE LIFT STATION (*if present*):			
Required pumps present, operating, and cycling properly?	☐	☐	
High-water alarm present and operating properly?	☐	☐	
Floats/pipe/valves/disconnects in good working condition?	☐	☐	
Control panel enclosure/components in good condition?	☐	☐	
5. EFFLUENT DOSING SYSTEM:			
Effluent appears clear, free of excess solids?	☐	☐	
PUMP SYSTEMS:			
Required pumps present, operating, and cycling properly?	☐	☑	Pump not operating
High-water alarm present and operating properly?	☑	☐	Alarm switch has been silenced
Floats/pipe/valves/disconnects in good working condition?	☐	☐	
Control panel enclosure/components in good condition?	☐	☑	Control Panel covered
Elapsed time readings: _____ _____ _____ _____			
SIPHON SYSTEMS:			
No evidence of overflow or siphon leakage?	☐	☐	
Siphon(s) appear to be working/alternating properly?	☐	☐	
Bells and vents free of debris and in good condition?	☐	☐	
6. GROUND ABSORPTION FIELDS:			
No evidence of effluent surfacing/reaching surface waters?	☑	☐	
Minimal ponding in subsurface trenches?	☑	☐	
Surface water being effectively diverted away?	☑	☐	
Diversions/ditches/swales/tile drains properly maintained?	☑	☐	
Line cover/vegetation adequate/maintained as needed?	☑	☐	
Protected from traffic, destructive uses?	☑	☐	
Distribution devices in good condition, working properly?	☑	☐	
Repair area properly reserved, maintained?	☑	☐	
LOW-PRESSURE PIPE DRAIN FIELDS:			
Turnups/cleanouts/valves intact and accessible?	☐	☐	Does not appear as if LPP system is flushed and regulated as needed.
No effluent standing in lower laterals?	☐	☐	
Laterals free of excess solids, cleaned out as needed?	☐	☐	
Pressure head is properly adjusted?	☐	☐	

OVERALL CONDITION AND OPERATION OF SYSTEM: No sewage surfacing - pump not working. Recommend having a certified operator to flush and regulate the drainfield on a regular basis. Certified Operators list enclosed.

SUMMARY OF IMPROVEMENTS NEEDED:

Improvement	Repair Within (Days)
Make pump operational	30

DATE: 8-16-99 SIGNED: Larry B. Thompson Jr., L.S. AGENT

DENR 3702 (Revised 3/98)
On-Site Wastewater Section (Review 12/98)

– over –

Division of Environmental Health

SUMMARY OF IMPROVEMENTS NEEDED (cont.)

Improvement	Repair Within (Days)

INTENT TO SUSPEND OR REVOKE PERMIT

This is to notify you of intent to suspend/revoke your operation permit/certificate of completion 60 days from this date for the following
(circle one) *(circle one)*

violations: _____
[Law or Rule(s)]

If suspended, the operation permit or certificate of completion remains suspended until violations are corrected. A hearing will be held prior to suspension or revocation if you file a petition for a hearing with the Office of Administrative Hearings, P. O. Drawer 27447, Raleigh, NC 27611-7447, in writing within the number of days specified above of your intent to attend the hearing. If you do not petition the Office of Administrative Hearings, the operation permit or certificate of completion will be suspended or revoked.

IMMEDIATE SUSPENSION OR REVOCATION OF PERMIT

This is to notify you of immediate suspension/revocation of your operation permit/certificate of completion for the following violations:
(circle one) *(circle one)*

_____
[Law or Rule(s)]

If suspended, the permit or certificate remains suspended until the violations are corrected. You will be notified of the day and location of a hearing on this suspension or revocation by a hearing officer from the Office of Administrative Hearings.

This the _____ day of _____, 19 _____.

_____ Agent
DIVISION OF ENVIRONMENTAL HEALTH

INSTRUCTIONS

Purpose: *Article 11 of Chapter 130A requires the Commission for Health Services to adopt rules governing the design, construction, and operation of on-site wastewater systems.* 15A NCAC 18A .1937 specifies that the local health department shall determine whether systems with an Operation Permit are operating properly at a frequency specified in Rule .1961, Table V(a), and that systems which exceed 3,000 gallons per day and other systems which are required to be designed by a professional engineer shall be reinspected annually. This form is developed to be used in making inspections of engineered subsurface wastewater systems.

Preparation: Local environmental health specialists shall complete the form every time they conduct an inspection. Prepare an original and two copies for:

1. Original to be left with the responsible person.
2. Copy for the local health department.
3. Copy for the On-Site Wastewater Section, Division of Environmental Health.

In the event the permit is suspended or revoked, complete the portion above.

Disposition: This form may be destroyed in accordance with Standard 7, Inspection Records, of the *Records Disposition Schedule* published by the N.C. Division of Archives and History.

Additional forms may be ordered from: On-Site Wastewater Section
Division of Environmental Health
P. O. Box 29594
Raleigh, NC 27626-0594
(Courier 52-01-00)

APPLICATION FOR AN IMPROVEMENT PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

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

(OFFICE USE ONLY)
FILE: 5864A
TC: _____
SERIAL: № 19121 ☐ L ☑ CRT

JOB LOCATION

① ADDRESS: 14705 E. Rocky River Rd. (STREET NO. / STREET) ② FILE: 5864A
③ JURISDICTION: _____ ④ TAX PARCEL NO.: PO 003-092-28
⑤ SUBDIVISION: _____ ⑥ LOT: _____ ⑦ BLOCK: _____

OWNER

⑧ NAME: John (FIRST) Montgomery (MIDDLE) Shields (LAST)
⑨ MAILING ADDRESS: 14705 E. Rocky River Rd.
⑩ CITY: Davidson ⑪ STATE: NC ⑫ ZIP: 28036
⑬ PHONE: (WORK) _____ ⑭ (HOME) 892-8857

REQUEST

This request is for a(n):

⑮ ☒ New permit
⑯ ☐ Repair or alteration permit
⑰ ☐ Authorization for mobile home exchange
⑱ ☐ Other (specify) _____

DESIGN CRITERIA

System will serve:

⑲ ☒ Residence ⑳ ☐ Mobile home
㉑ ☐ Business or place of public assembly
㉒ Number of bedrooms? 2
㉕ Type? _____
㉓ Maximum occupancy? 4
㉖ Maximum number of employees? _____
㉔ Basement? ☐ yes ☒ no
㉗ Maximum number of seats? _____

WATER SUPPLY

㉘ Water supply from (present or proposed):

A ☒ Individual well
B ☐ Municipal system
C ☐ Community well
D ☐ Community system

㉙ 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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: John M Shields
Date: 9/27/89

IMPROVEMENT PERMIT

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:

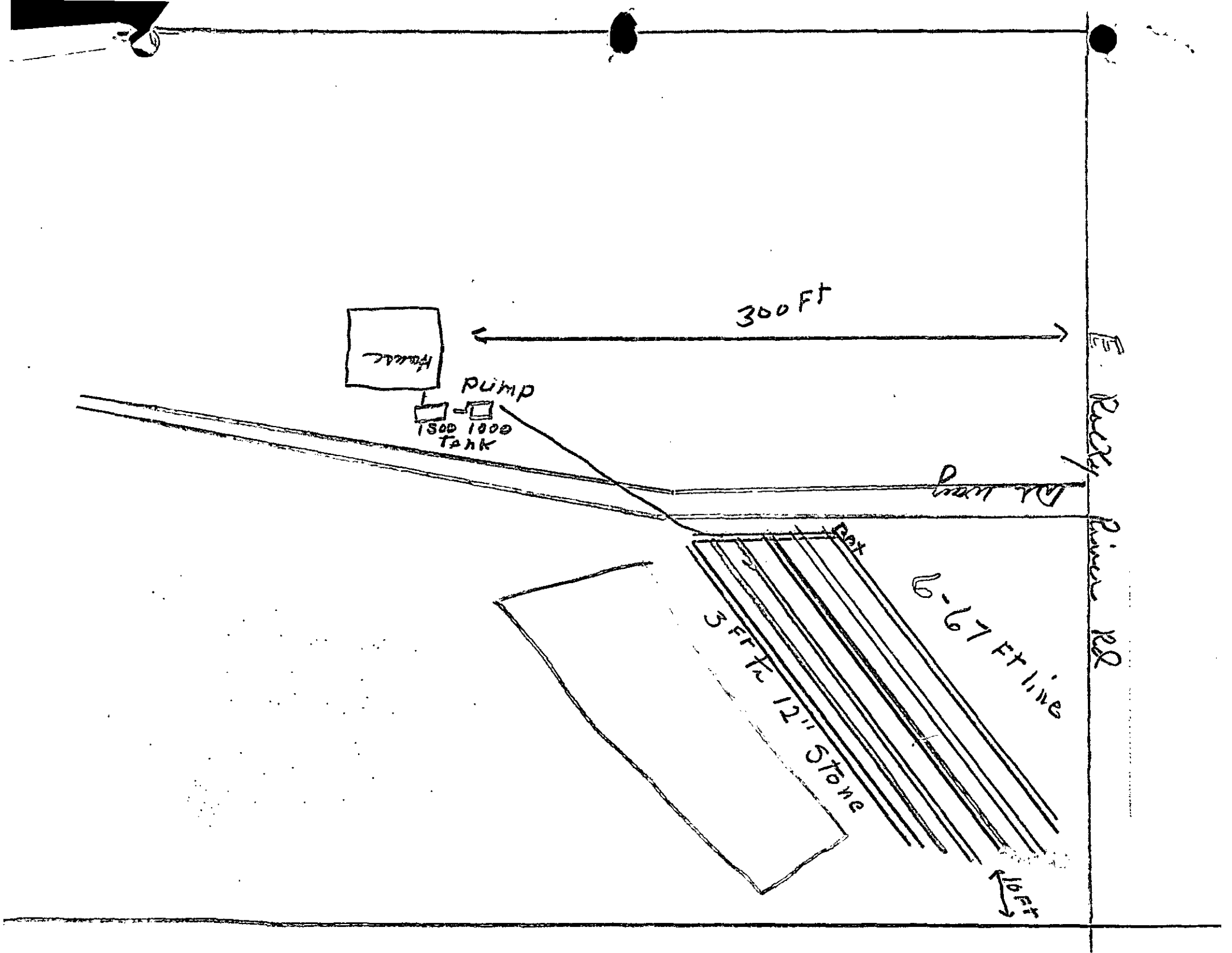
... No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair permit is issued by this Department.

... This permit is not transferable, and shall become null and void 36 months from the date of issuance.

Phyllis A. Walker, 10/10/89
Environmentalist — Date

[signature], 10-11-89
Director or Authorized Section Head — Date

*This permit must be signed by the Director of Mecklenburg County Health Department or an authorized section head in order to be valid.


300 Ft
House
Pump
1500 1000
Tank
Lawn
E Rocky River Rd
Post
6-67 Ft line
3 Ft Tr 12" Stone
10 Ft

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR PERMIT

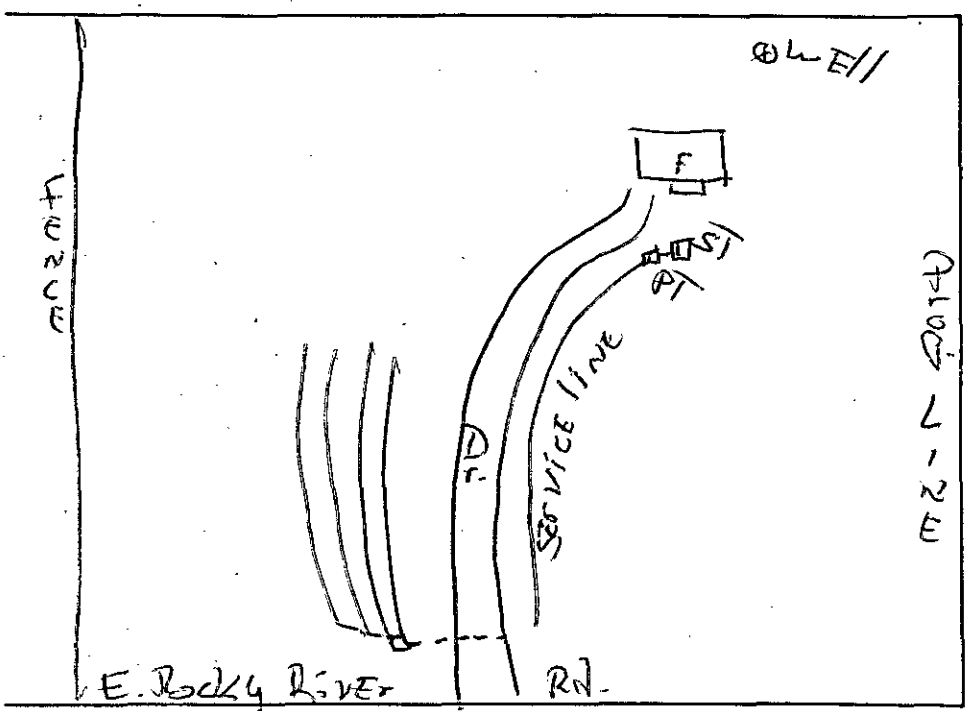
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 5564-A DATE: 4/26/90

TC: 003 092 28 ☐ L

SERIAL Nº 13233

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 9/27/89. All work shall be completed on or before 5/26/90, after which date this permit shall be null and void. The system shall meet all of the construction requirements of 10 NCAC 10A .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 1,500 gallons

Liquid Capacity of Dosing Tank 1,000 gallons

Tank Construction PCC

Absorption and/or Nitrification Lines:

Trench Width 3 feet

Total Line Length 270/400 feet

Number of Lines 4 or 6

Depth of Stone 12" inches

Distance from House 10 feet

Distance from Property Line 10 feet

Distance from Well >50 feet

NAME OF OWNER John M. Shields

LOCATION OF PROPERTY 14705 E. Rocky River Rd.

Comments: Install 2 bedrm. or 3 bedrm. sys. go with (4) 3'x67'x12" G or (4) 3'x100'x12" G stone for 3 bedrm. 18"/24" service line under drive

Division or Section Head

T. W. Whittaker, R.S.
Environmentalist

* If this permit is for the installation or construction of a new system, it must be signed by the division or a section head of the Mecklenburg County Health Department in order to be valid. Only the signature of the Environmentalist is required where an existing system is being altered or repaired.

WHITE - HEALTH DEPARTMENT'S COPY • CANARY - ENVIRONMENTALIST'S COPY • PINK - OWNER OR AGENT'S COPY

CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 5864-A DATE: 5/3/90

TC: 003 092 28 ☒ L ☒ CRT

SERIAL Nº 13287

Name of Owner John M. Shields Juris.:

Address of Property 14705 E. Rocky River Rd.

Inspection Data:

Tank Material PCC

Total Length of Drainfield 270

Number of Lines 3 @ 90'

Cover Depth 12"

Water Supply Source P/well

Distance to Water Source 150

Excavation Inspected Y

Tank(s) Inspected Y, Y,

Wash Line Inspected —

High Water Alarm Inspected installed

PLOT

Design: 1500 ST, 1,200 PT, PI, CON 810 SFT, 12" G., Ceci/like CTR# 80

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 10 NCAC 10A .1900, "Laws And Rules For Sanitary Sewage Collection, Treatment, And Disposal" in effect on the date of issuance of the permit. The 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 10 NCAC 10A .1900 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.

COMMENTS: 2 bedrm. (3) 3'x90'x12" G. straw. Hydromatic pump 1/2 hrs. Service line 4/90 ft.

Tim Whitaker R.S.
Environmentalist

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

Mecklenburg County
Health Department

April 13, 1999

Mark H. and Sharon T. Brown
14705 East Rocky River Road
Davidson, NC 28036

Dear Mr. and Mrs. Brown:

This letter is being sent to all home/business owners in Mecklenburg County with septic tank systems that utilize pumps. In 1990 the North Carolina Administrative Code governing septic tank systems was amended to require routine maintenance and inspection of certain septic tank systems. Research conducted on septic tank systems has shown that properly maintained systems perform better and protect the home/business owner's investment. These State rule changes required local health departments to perform additional inspections without additional resources. During the 1998-99 budget hearings, the Mecklenburg County Board of County Commissioners (BOCC) approved user fees to offset costs and to allow the local health department to comply with mandatory enforcement requirements in the State regulations.

Since you have a pump system, these new rules and fee requirements affect you. The fee is $85.00 and is due upon receipt of this notice. We will visit your property and make assessments and recommendations for the continued efficient operation of your septic tank system. In addition, if you have a well, a bacterial sample will be collected to help assess the quality of your water supply source. The process, including fee assessment, will be repeated every five (5) years. The fee amount may change in the future.

We are excited about the interest and support demonstrated by the BOCC. Past performance in this area was more enforcement oriented rather than supportive. One of our goals is to establish our department as a resource to you to aid and assist you with this and related public health concerns. The inspection program and the water analysis are important to the health of you and your family. This is a very important initiative intended to protect the public's health while improving and preserving our groundwater resources.

Your prompt fee payment will activate our inspection process. Your comments and questions regarding this matter are encouraged and welcomed.

Sincerely,

Larry B. Thompson, Jr., R.S., Coordinator
Managed Systems Program
Individual Water and Wastewater Systems

Enclosure

cc: Fiscal Services Manager, HMHCS

Fee #35.00 #

FEE: Later #35.00
DATE: 6/2/96
CK # 1074

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

I J CRT

TYPE APPLICATION: ___ NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM ___ REPAIR OF EXISTING SYSTEM

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

FILE #: 58644

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: ~~[illegible]~~ 003-092-25 MEC. CO BOOK 03, PAGE 01

STREET ADDRESS: 14705 E. ROCKY RIVER RD.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

X 9 MECKLENBURG
___ 1 CHARLOTTE
___ 2 DAVIDSON
___ 3 CORNELIUS
___ 4 PINEVILLE
___ 5 MATTHEWS
___ 6 HUNTERSVILLE
___ 7 MINT HILL

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS:

NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE:

___ WITHOUT BASEMENT
___ ON SLAB
___ CRAWL SPACE
___ WITH BASEMENT /PLUMBING
___ WITH BASEMENT /NO PLUMBING

CLOSING DATE

Consultation made 6-26-96
Phillip Lloyd Pearson present
W.A. Marlin
* Consultation 6-26-96

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

PROPOSED 11 HOME SITES ON THE 11 [illegible]

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ___ YES X NO TYPE:

WATER SUPPLY (CHECK ONE):

___ COMMUNITY (C)
X SHARED WELL (S)
___ MUNICIPAL (M)
___ OTHER 'SPRINGS' (O)
X PRIVATE WELL (P)

AGAIN NEED TO KNOW WHAT WILL WORK

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

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

PROPERTY ~~OWNER~~: PURCHASER	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: OVERTON FRANK L (LAST) (FIRST) (MI)	NAME: RYAN JO (LAST) (FIRST) (MI)
ADDRESS: 819 BROAD ST.	DAYTIME PHONE: 704 892 6556 EX. 202
CITY: DURHAM STATE: NC ZIP: 27701	(REALTOR)
DAYTIME PHONE: 919 286 3136	

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: [signature] DATE: 6/7/96

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

Blade = existing
PENCIL = PROPOSED

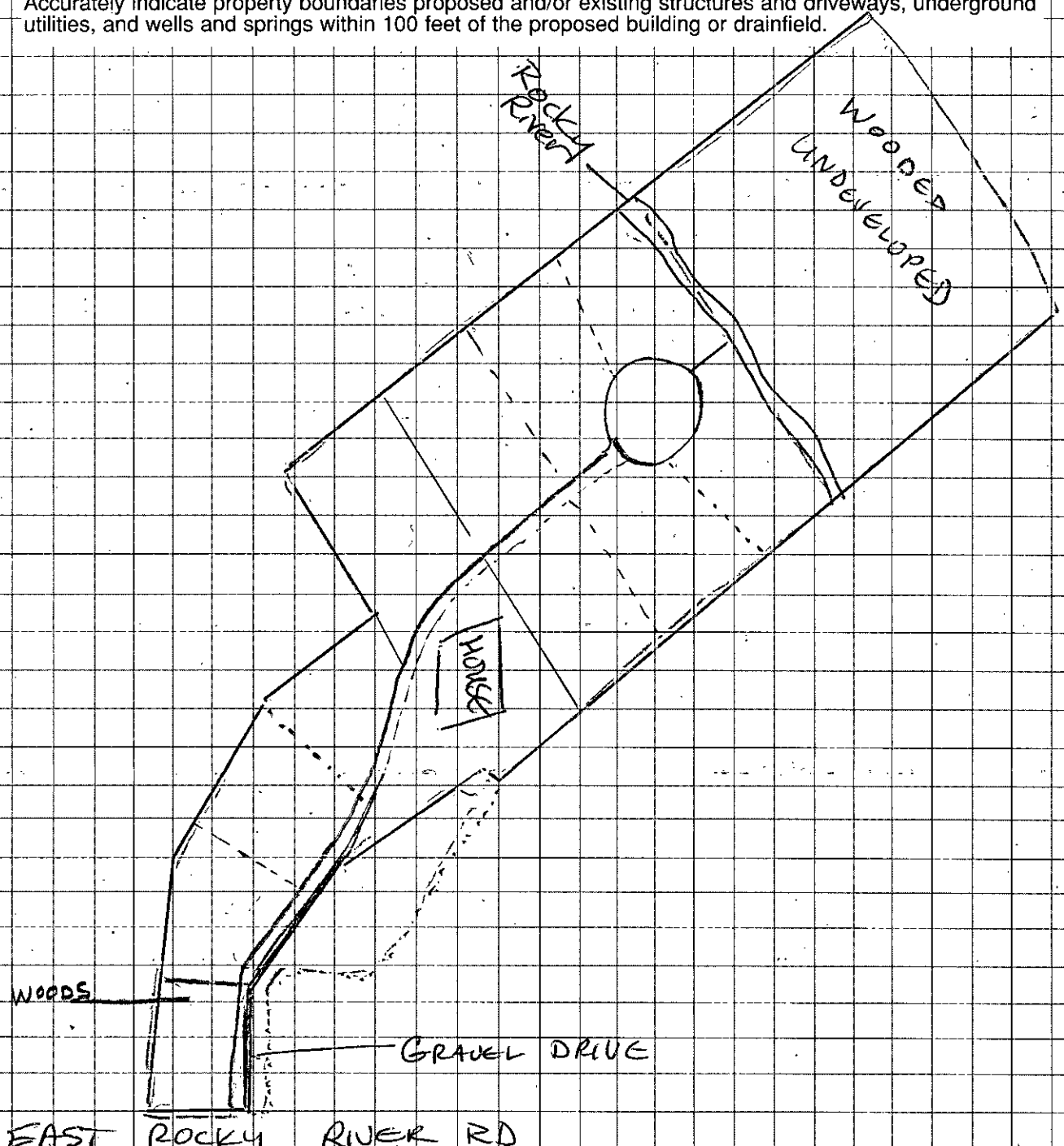
PROPOSED PLOT PLAN

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

FILE: 5864A

TC: _____

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 6-12-96

OWNER/AGENT SIGNATURE

DATE

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

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

PROPOSED PILOT PLAN

FILE: _____

TO: _____

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 _____

OWNER/AGENT SIGNATURE

DATE

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

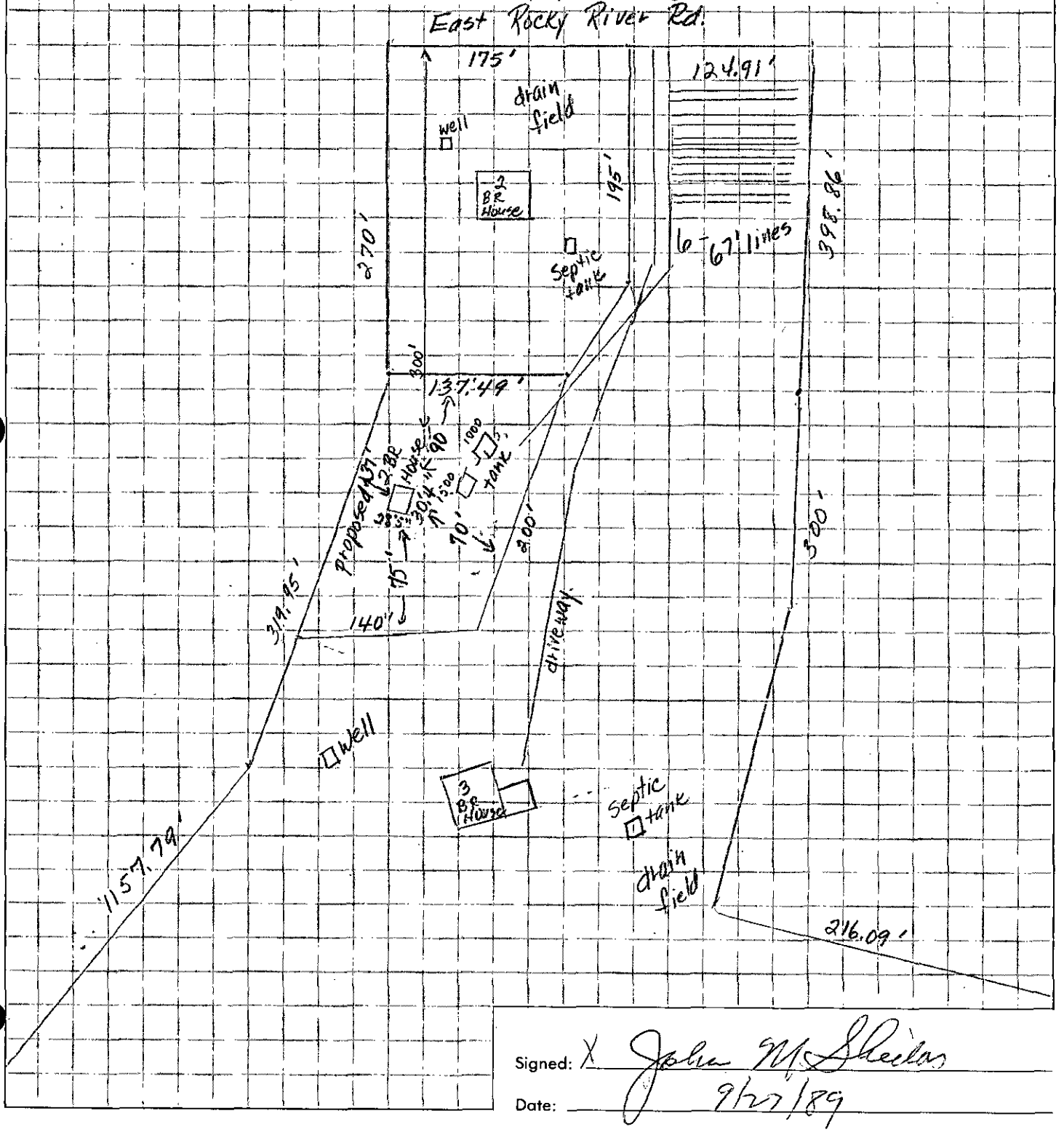
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

FILE: 5864A

TC: _____

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.



Signed: X John M. Sheldon

Date: 9/27/89

Mecklenburg County
Health Department

Basil G. Delta, M.D., M.P.H.
Health Director

September 8th, 1989

John Montgomery Shields
14705 E. Rocky River Road
Davidson, NC 28036

RE: Property located at E. Rocky River Road
FILE: 5864A
PARCEL: 00309228

Dear Sir:

At your request, a field investigation was conducted on the property designated above for the purpose of determining site suitability for the installation of a ground absorption sewage disposal system. The property was found to contain a limited area of soils which were classified as provisionally suitable for such an installation. A copy of the Site Evaluation Report (Serial Number 12186) is enclosed for your information.

Should you desire to file for permission to install a ground absorption sewage disposal system, please submit an Application For An Improvement Permit with an ACCURATELY dimensioned plot plan detailing the location of current and/or proposed buildings, wells and sewage disposal systems to this office. The plan will be reviewed and if it is found that the area of provisionally suitable soils is adequate for the proposed construction, an Improvement Permit will be issued by this Department.

If I may be of assistance, please do not hesitate to contact me.

Very truly yours,

Gene Vaughan, R.S., Supervisor
On Premises Waste Disposal & Water Supply

Enclosure

Mecklenburg County
Health Department

September 6, 1996

Mr. James Lotito
22218 Pine Ridge Drive
Cornelius, NC 29715

Re: 14705 E. Rocky River Road
File: 5864A
Parcel: 003-092-28

Dear Mr. Lotitio:

Receipt of your Application for Improvement Permit for the above referenced property is acknowledged. A soil evaluation and a site visit have been conducted. The results of the evaluation indicated that the site is **UNSUITABLE** under Rules .1941 **SOIL CHARACTERISTICS (MORPHOLOGY)**, .1943 **SOIL DEPTH** and .1945 **AVAILABLE SPACE**. For these reasons your Application for Improvement Permit is denied. A possible way to develop the site exists under Rule .1948(d) which reads as follows:

> A site classified as **UNSUITABLE** may be used for a ground absorption sewage treatment and disposal system specifically identified in Rules .1955, .1956, or .1957 of this Section or a system approved under Rule .1969 if written documentation, including engineering, hydrogeologic, geologic or soil studies, indicates to the local health department that the proposed system can be expected to function satisfactorily. Such sites shall be reclassified as **PROVISIONALLY SUITABLE** if the local health department determines that the substantiating data indicate that:
> (1) a ground absorption system can be installed so that the effluent will be non-pathogenic, non-infectious, non-toxic, and non-hazardous;
> (2) the effluent will not contaminate ground or surface water; and
> (3) the effluent will not be exposed on the ground surface or be discharged to surface waters where it could come in contact with people, animals, or vectors.

The State shall review the substantiating data if requested by the local health department.

Please be advised that you have the right to an informal review by this department. You also have the right to appeal under G.S. 130A-24, and to have the appeal held in Mecklenburg County.

If you have any questions regarding this matter, please call me at 336-5575.

Sincerely,

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

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

#3

Sheet
PROPERTY ID #: 5664A
COUNTY: 003-092-26

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: James Lotito, Lonnie APPLICANT: _____
ADDRESS: 2216 Pine Ridge Ln. APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: 1.0 +
LOCATION OF SITE: 14705 E. Rocky River 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 % (Slopes 10-25%)	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	PROFIL CLASS & LTAT
1	LS	0-6"	gr/sl	Fr/SEXP/SS/SP	15" To Chroma 2	16"	N/A	None	US
		6-16"	SBK/c-sc	F.I/EXP/S/P					
2	LS	0-5"	gr/sl	Fr/SEXP/SS/SP	36" To Chroma 2 Colors	36"	N/A	None	US
		5-36"	SBK/sc	F.I/EXP/S/P					
3	LS	0-3"	gr/sl	Fr/SEXP/SS/SP	36" To Chroma 2 To 10YS	36"	N/A	None	US
		3-36"	SBK/sc	F.I/EXP/S/P					
4	LS	0-4"	gr/sl	Fr/SEXP/SS/P	37" To Chroma 2	37"	N/A	None	US
		4-37"	SBK/sc	F.I/SEXP/S/P					
5	LS	0-14"	gr/sl	Fr/SEXP/SS/P	14" To Chroma 2	14"	N/A	None	US

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): Recommended
EVALUATED BY: W. A. Merlin 9-3-96
OTHER(S) PRESENT:

OMMENTS: 100 % repair

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)				
(Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
(Shoulder Slope)		SLC (Silt Loam Clay)				
(Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SIC (Silty Clay)			FI (Firm)	S (Sticky)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

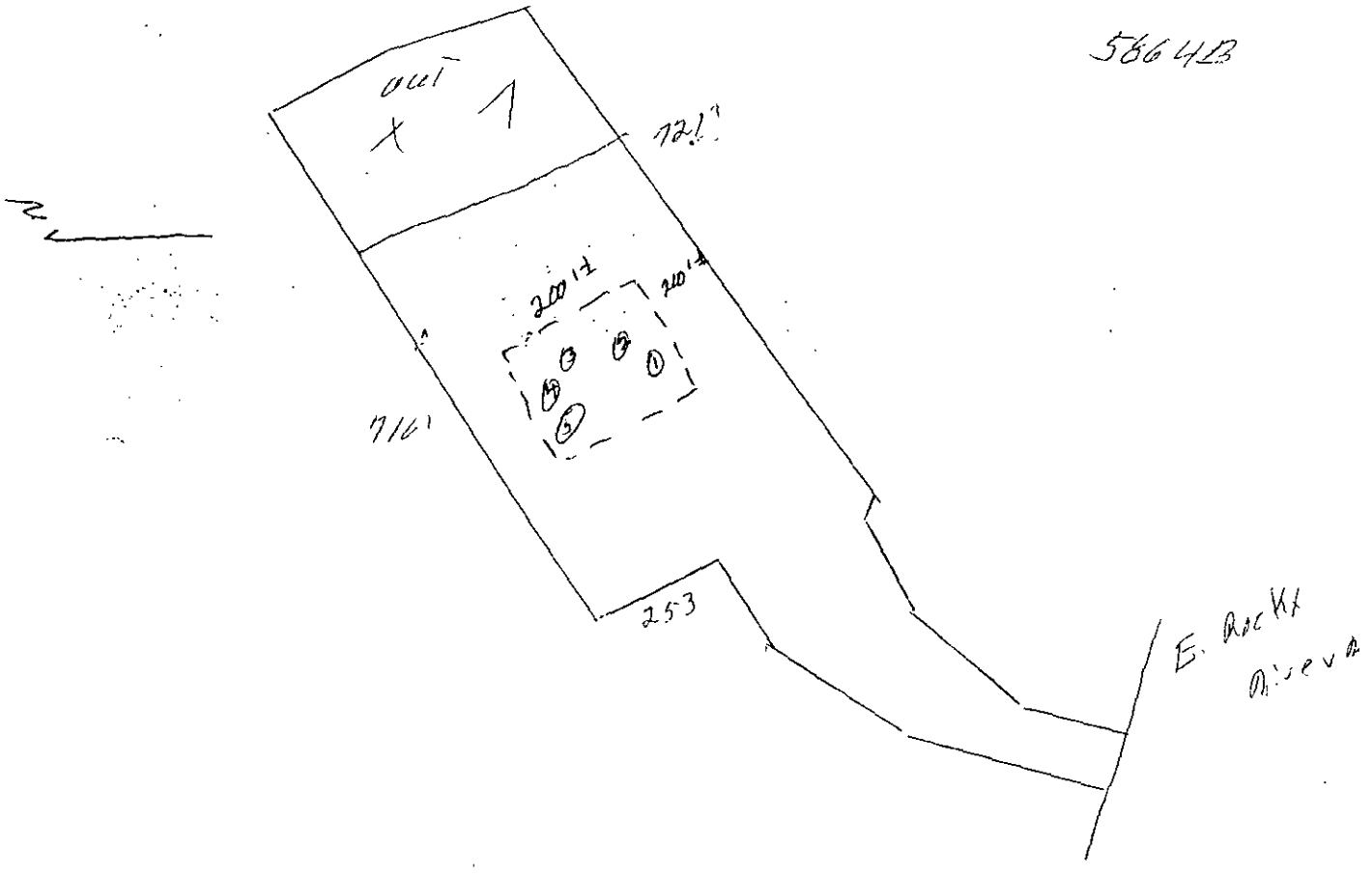
OTES

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).



APPLICATION FOR SOIL INVESTIGATION

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 5864A

TC: 003-092-28

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: ~~14705~~ E. Rocky River Rd., Davidson, NC 28036

② SUBDIVISION: _____ ③ LOT: _____ ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: _____ PAGE NO.: _____ PARCEL NO.: 001-145-0

⑥ DEED REFERENCE: BOOK NO.: _____ PAGE NO.: _____

OWNER

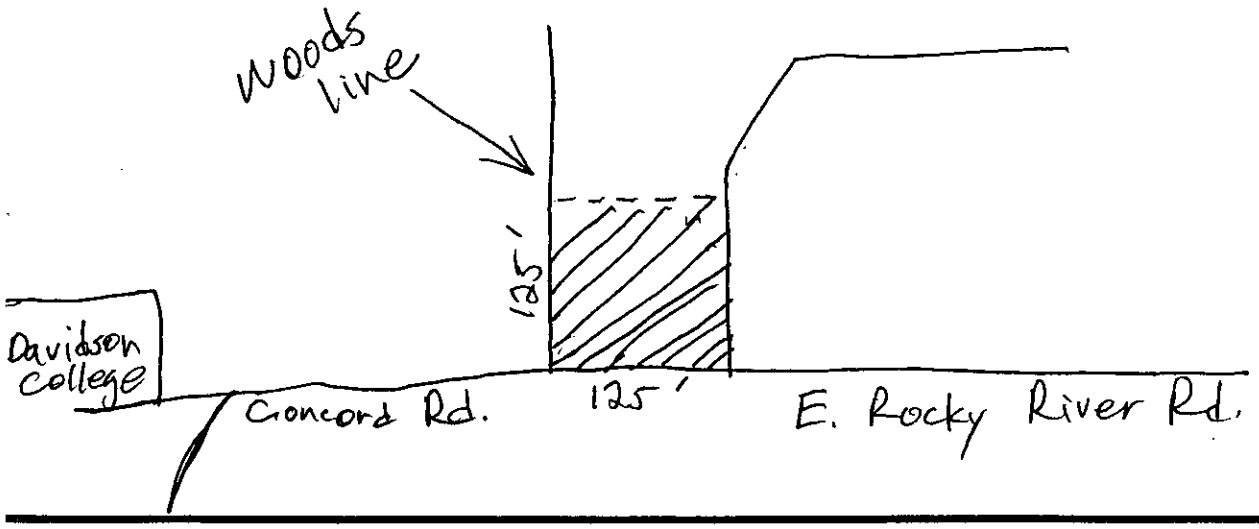
⑦ NAME: John (FIRST) Montgomery (MIDDLE) Shields (LAST)

⑧ MAILING ADDRESS: 14705 E. Rocky River Rd.,

⑨ CITY: Davidson, NC ⑩ STATE: _____ ⑪ ZIP: 28036

⑫ PHONE: (WORK) 892-3717 (HOME) 892-8857

⑬ Accurately diagram and dimension lot.



⑭ 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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: John M Shields

Date: 8/28/89

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

WHITE - HEALTH DEPARTMENT'S COPY • CANARY - ENVIRONMENTALIST'S COPY • PINK - OWNER'S COPY.

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH File: 5864A Action 1

SITE EVALUATION REPORT

SERIAL NUMBER 12186 Parcel: PO 003-092-28 ☐ PC

Location: E. Rocky River Road

Subdivision:

Lot: Block: Acres: Approx .41

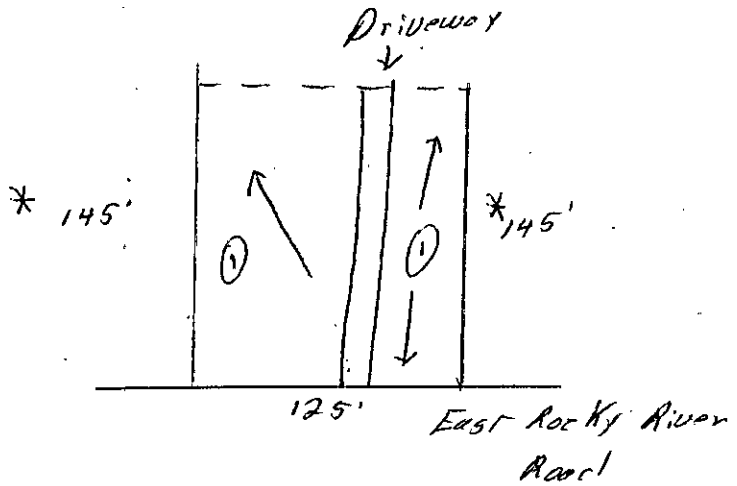
Owner: John M. Shields
Address: 14705 E. Rocky River Road
Davidson, N. C. 28036

Comments: System will need pump & 100% Repair

Described by: William A. Thrift

Date: 9-7-89

* Approximate Distance



***** 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 - 10%	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S (PS) U clay	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U Blocky	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U 7-36" To water	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U 7-36"	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 Limited	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	IVA Cecil-Pacolet					
Area Classification	S (PS) U	S PS U	S PS U	S PS U	S PS U	S PS U

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

W400
#3

Sheet 1
PROPERTY ID #: 38641
COUNTY: 003-092-26

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: James Lotito Caroline APPLICANT:
ADDRESS: 2216 Pine Ridge Ln. APPLICATION DATE: DATE EVALUATED:
PROPOSED FACILITY: residence PROPOSED DESIGN FLOW (.1949): PROPERTY SIZE: 1.0 ±
LOCATION OF SITE: 14705 E. Rocky Point Drive PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	Slopes 10-25% .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	PROFIL CLASS & LTA
1	LS	0-6"	gr/sl	Fr/SEXP/SS/SP	715" To Chroma 2	16"	N/A	None	US
		6-16"	SBK/C-SC	Fi/EXP/S/P					
2	LS	0-5"	gr/sl	Fr/SEXP/SS/SP	736" To Chroma 2 Colors	36"	N/A	None	US
		5-36"	SBK/SC	Fi/EXP/S/P					
3	LS	0-3"	gr/sl	Fr/SEXP/SS/SP	736" To Chroma 2 Colors	36"	N/A	None	US
		3-36"	SBK/SC	Fi/EXP/S/P					
4	LS	0-4"	gr/sl	Fr/SEXP/SS/SP	737" To Chroma 2	37"	N/A	None	US
		4-37"	SBK/SC	Fi/SEXP/S/P					
5	LS	0-14"	gr/sl	Fr/SEXP/SS/SP	714" To Chroma 2	14"	N/A	None	US

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Unsuitable
EVALUATED BY: W. A. Merlin 9-3-96
OTHER(S) PRESENT:

OMMENTS: 1000 gallon

LEGEND

use the following standard abbreviations

ANDSCAPE 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)				
(Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
(Shoulder Slope)		SIC (Silt Loam Clay)				
(Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SIC (Silty Clay)			FI (Firm)	S (Sticky)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

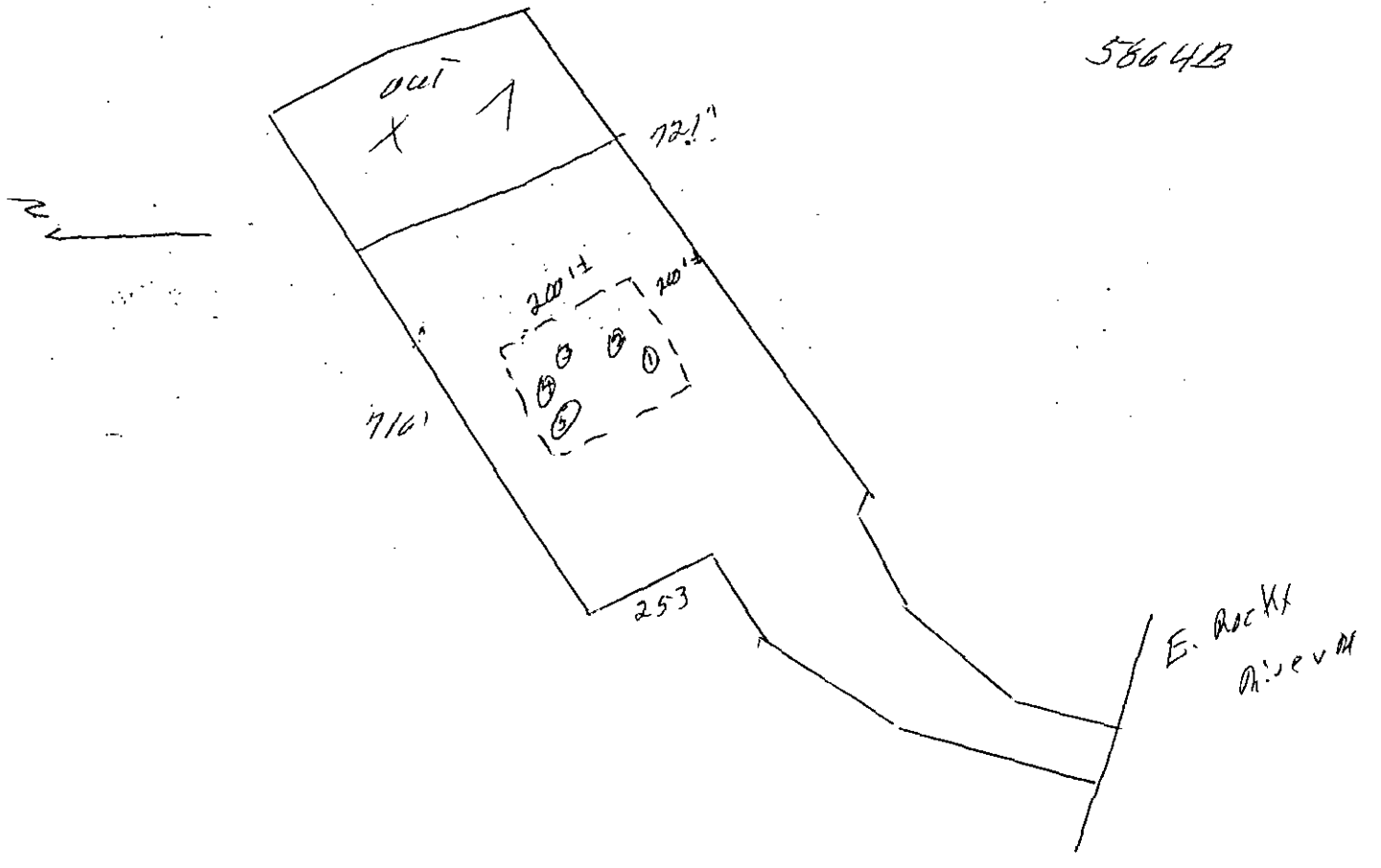
OTES

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).



FEE: 100.00 +02 #

DATE: 8/19/96 1102

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

[ ] CRT

TYPE APPLICATION: ___ NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM ___ REPAIR OF EXISTING SYSTEM

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

FILE #: 5864A

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 003-092-28

STREET ADDRESS: 14705 E. ROCKY RIVER RD

SUBDIVISION OR MOBILE HOME PARK NAME: JUST OUTSIDE DAVIDSON

LOT NUMBER: 28

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

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

HEATED SQUARE FOOTAGE: 2700

NUMBER OF BEDROOMS: 4 | NUMBER OF OCCUPANTS: 3

CLOSING DATE _____

FOUNDATION FOR RESIDENCE:

___ WITHOUT BASEMENT
___ ON SLAB
X CRAWL SPACE
___ WITH BASEMENT /PLUMBING
___ WITH BASEMENT /NO PLUMBING

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

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ___ YES X NO TYPE: _____

WATER SUPPLY (CHECK ONE):

___ COMMUNITY (C) ___ MUNICIPAL (M) X 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 X NO
EXISTING WASTEWATER SYSTEMS X YES ___ NO
EASTMENTS OR RIGHT-OF-WAYS ___ YES X NO
WELL, SPRINGS OR WATERLINES ___ YES X NO
DESIGNATED WETLANDS ___ YES X NO

PROPERTY OWNER:

NAME: JAMES LOTITO
(LAST) (FIRST) (MI)

ADDRESS: 2218 PINE RIDGE DR

CITY: CORNELIUS STATE: NC ZIP: 28031

DAYTIME PHONE: (704) 892-9220

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: DETCHEMENDY DUTCH
(LAST) (FIRST) (MI)

DAYTIME PHONE: (704) 892-6556

CENTURY 21 HECHT REALTY

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 10/87

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: [signature] DATE: 8/19/96

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

NOTES:
1 HOUSE SITE IS NOT IN A DESIGNATED FLOOD ZONE.

EAST ROCKY RIVER Rd.
S.R. 2420 19' PAVED

CONCORD 15 mi. ROAD

ROCKY RIVER

H.W. STEWART, II
4496.461

F.D. HINSON
512-791

SEPTIC FIELD LINE EASEMENT

NEW HOUSE

OLD HOUSE

M. SHIELDS
562 680

BASED ON DB. 502 P. 680

B R DEATON
1945-878

FORM TWO

Mecklenburg County
Health Department

Basil G. Delta, M.D., M.P.H.
Health Director

July 13th, 1989

John Montgomery Shields
14705 E. Rocky River Road
Davidson, NC 28036

RE: Property located at E. Rocky River Road
FILE: 5864A
PARCEL: 00309228

Dear Sir:

At your request, a field investigation was conducted on the property designated above for the purpose of determining site suitability for the installation of a ground absorption sewage disposal system. The results of this investigation showed the property to be classified UNSUITABLE for the installation of such a system. A copy of the Site Evaluation Report (Serial Number 16244) is enclosed.

State regulations provide that sites originally classified unsuitable may be utilized for the installation of alternate or modified sewage disposal systems provided the requirements of 10 NCAC 10A .1948 (c) are met. A reprint of this section is enclosed for your information.

Should you desire to file for permission to install an alternate or modified sewage treatment system on the property, please submit an Application For An Improvement Permit with an ACCURATELY dimensioned plot plan detailing the location of current and/or proposed buildings, wells and sewage disposal systems to this office. They will be reviewed, and if it is determined that the proposed system may reasonably be expected to function satisfactorily, an Improvement Permit will be issued by the Department upon completion by you, of a formal request for lot reclassification.

If I may be of any assistance, please feel free to call.

Very truly yours,

Jim Ericson, R.S., Supervisor
On Premises Waste Disposal & Water Supply

Enclosure (2)

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER 12131

File: 5864A

Action 2

Parcel: PO 003-042-26

☐ PC

Location: E. Rocky River Road

Subdivision:

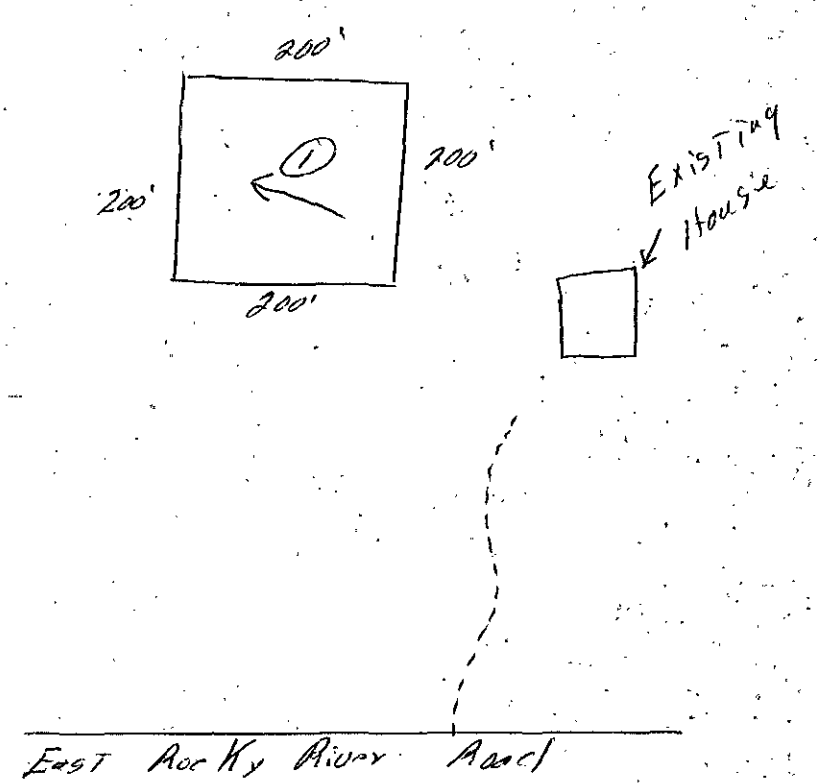
Lot: Block: Acres: 1.0

Owner: John Montgomery Shields
Address: 14705 E. Rocky River Road
Davidson, N. C. 28036

Comments: Soils are almost A-C soils - Very weak subsoil horizon development - absent in some borings

Described by: William A. Mullis

Date: 7-13-89



***** 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 10-20%	S PS U	S PS U	S PS U	S PS U	S PS U
Texture	S PS (U) 2-1 clay	S PS U	S PS U	S PS U	S PS U	S PS U
Structure	S (PS) U Block #1	S PS U	S PS U	S PS U	S PS U	S PS U
Drainage	S (PS) U 736" To water	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S PS (U) 17-20"	S PS U	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U 736" [illegible]	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	1UB Wi/Mos-Li/Ko					
Area Classification	S PS (U)	S PS U	S PS U	S PS U	S PS U	S PS U

40 81

APPLICATION FOR SOIL INVESTIGATION

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 5864A

TC: _____

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: 14703 E. Rocky River Road, Davidson, NC 28036

② SUBDIVISION: _____ ③ LOT: _____ ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: _____ PAGE NO.: _____ PARCEL NO.: 003-092-28 ~~001-145-6~~

⑥ DEED REFERENCE: BOOK NO.: _____ PAGE NO.: _____

OWNER

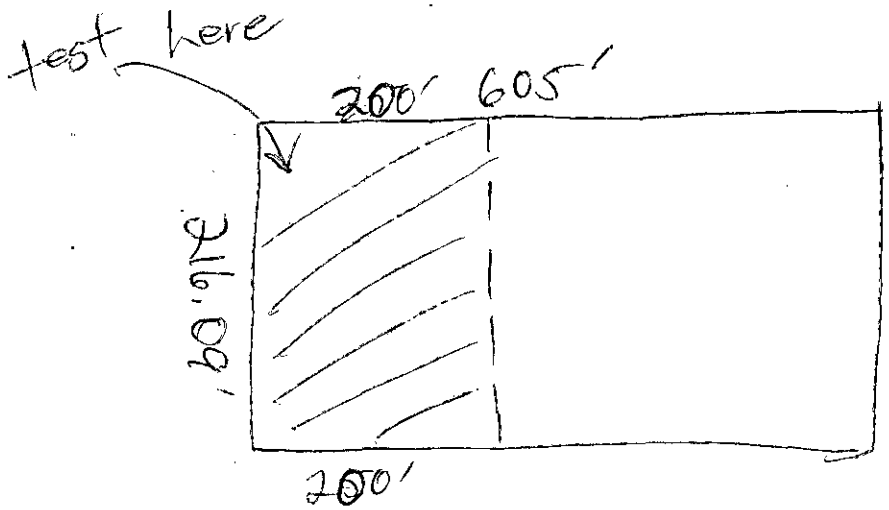
⑦ NAME: John (FIRST) Montgomery (MIDDLE) Shields (LAST)

⑧ MAILING ADDRESS: 14705 E. Rocky River Road

⑨ CITY: Davidson ⑩ STATE: NC ⑪ ZIP: 28036

⑫ PHONE: (WORK) (704) 892-3712 (HOME) (704) 892-8857

⑬ Accurately diagram and dimension lot.



⑭ 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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: John M Shields

Date: 7/7/89

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WHITE - HEALTH DEPARTMENT'S COPY • CANARY - ENVIRONMENTALIST'S COPY • PINK - OWNER'S COPY

Mecklenburg County
Health Department

July 6th, 1989

John Montgomery Shields
14705 E. Rocky River Road
Davidson, NC 28036

RE: Property located at E. Rocky River Road
FILE: 5864A
PARCEL: 00309228

Dear Sir:

At your request, a field investigation was conducted on the property designated above for the purpose of determining site suitability for the installation of a ground absorption sewage disposal system. The results of this investigation showed the property to be classified UNSUITABLE for the installation of such a system. A copy of the Site Evaluation Report (Serial Number 16244) is enclosed.

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If I may be of any assistance, please feel free to call.

Very truly yours,

Jim Ericson, R.S., Supervisor
On Premises Waste Disposal & Water Supply

Enclosure (2)

Environmental Health Division
1200 Blythe Boulevard • Charlotte, North Carolina 28203 • (704) 376-4603

APPLICATION FOR SOIL INVESTIGATION

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 5864A

TC: 001-145-01 PO

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: 14703 E. Rocky River Road, Davidson, NC 28036

② SUBDIVISION: _____ ③ LOT: _____ ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: _____ PAGE NO.: _____ PARCEL NO.: 001-145-0

⑥ DEED REFERENCE: BOOK NO.: _____ PAGE NO.: _____

OWNER

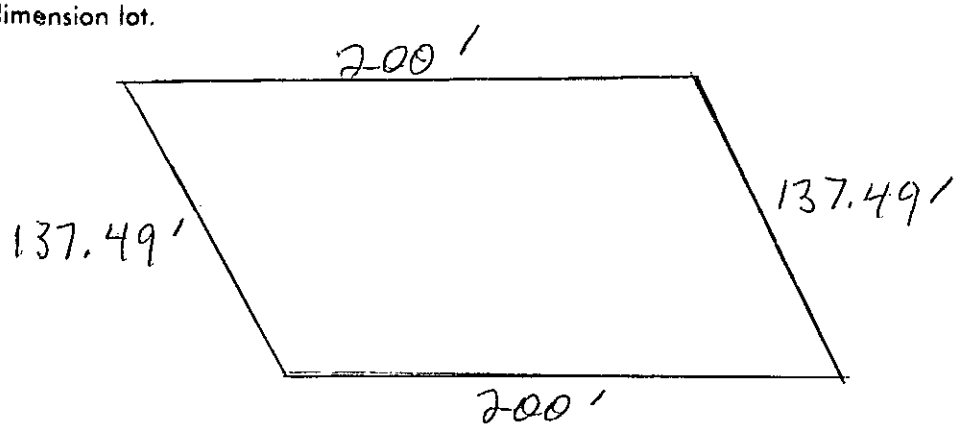
⑦ NAME: John (FIRST) Montgomery (MIDDLE) Shields (LAST)

⑧ MAILING ADDRESS: 14705 E. Rocky River Road

⑨ CITY: Davidson ⑩ STATE: NC ⑪ ZIP: 28036

⑫ PHONE: (WORK) (704) 892-3712 (HOME) (704) 892-8857

⑬ Accurately diagram and dimension lot.



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Signed: John M. Shields

Date: _____

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WHITE - HEALTH DEPARTMENT'S COPY • CANARY - ENVIRONMENTALIST'S COPY • PINK - OWNER'S COPY