

15916 HENRY LN

00102307

5/19/08

marliwr

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

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

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

Permit #: 30002910 GWS File #: 1577 Tax Parcel #: 001-023-07

- 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):** 11/19/2012

Type of Installation: Residential - New System Lot Number: 9

Structure Type: HOUSE Size (ft^2): 3600 # Bedrooms: 3 # Occupants: 8

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: PPBPS (pressurized) **System Classification:** IVa

Initial System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 600 Total Trench Length (ft): 200

Maximum Trench Depth (in): 30 Depth of Media (in): N/A Distribution Device: Manifold (LPP Dist

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd): 360 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 600 Total Trench Length (ft): 200

Maximum Trench Depth (in): 30 Depth of Media (in): N/A Distribution Device: Manifold (LPP Dist

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: Paul Pendleton
Print Name

Signature: Signature:

Date Issued: 11/19/2007

1. ~~Scan PP~~
2. Pay fee
3. ~~Sign Permit~~

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Signature: _____

Date Issued: 11/19/2007

Owner/Legal Agent: _____
Print Name

Signature: _____

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 1577 WASPS App #: 2910

Primary ES assigned to project: Jeremy Michelone

Secondary ES assigned to project:

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law				
	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 4			
	Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR -.3	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

.130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☐	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: _____

Date performed: 11/20

MECKLENBURG COUNTY

Land Use & Environmental Services Agency
Groundwater & Wastewater Services

Fax Coversheet

****NOTICE****

The information contained in this fax may be privileged and/or confidential and is intended only for the use of the person to who it is addressed. If the reader of this message is not the intended recipient (or such recipient's employee or agent), you are hereby notified not to read, distribute, or copy the materials attached hereto without the prior written consent of the sender. If you have received this fax in error, please notify the sender by telephone call and return the original to us by mail and ~~you will~~ be reimbursed for the required postage. Thank you.

To: PAUL SAME

Fax #: 662-8755

Phone #:

From: Jeremy Nicholson

Date: 11/30/07

Number of pages transmitted: 3 (including coversheet)

Comments: Please sign and fax back to 336-6894

If you do not receive all pages of this fax please call (704) 336-5103.

☐ Original will not follow

☐ Original will follow via: ☐ U.S. Mail ☐ Hand Delivery ☐ _____

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

Signature: _____ Signature: _____

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Date Issued: 11/19/2007

Owner/Legal Agent: _____
Print Name

Signature: _____

S&ME

11-19-07

GWS Septic System Design Review

GWS File #: 1577

	Approved	Disapproved
Design Review: TCT 11-16-07	☒	☒
Field Review: JPM 11/19/07	☒	☐

***Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.**

Date: November 13, 2007

To: Mr. Jeremy Michelone, R.S.
Mecklenburg County Env. Health Dept.

From: Kathleen Saunders, LSSIT
Paul Penninger, LSS

RE: Request for an Improvement Permit for Lot 9 Tranquil Cove.
MCHD File #1577

Mr. Douglas Ehmann is requesting an Improvement Permit for the above referenced lot. Mr. Bill Marlin has evaluated the soils (see attached MCHD soil sheets) and S&ME, Inc. has flagged the system and repair on the lot. The septic lines have been located by S&ME and are shown on the attached maps. The attached sketch and specifications are not an Improvement Permit and are intended only to assist the MCHD in permitting the referenced lot off of Henry Lane.

We understand that a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The buyer will apply for the ATC. If the buyer's house pad does not fit in the "building envelope" shown on the Improvement Permit, we understand that the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on the lot prior to obtaining the ATC from the MCHD.**

Please review the attached system sketch and design specifications for the Improvement Permit. Any additions or revisions you feel are necessary can be made on the Improvement Permit. Please call if you have questions or comments.

(1) 1500 GAL. SEPTIC TANK REQUIRED.

(2) INCLUDE. WORKSHEET FOR PPBPS DESIGN.

S&ME, INC. / 385 Timber Road, Suite 104 / Mooresville, NC 28115-7899 / p 704.662.8625 f 704.662.8735 / www.smeinc.com

Design Specifications for Lot 9 at Tranquil Cove
MCHD File # 1577

Daily Design Flow:	360 gpd
Number Bedrooms:	3 bdr.
Basement or Crawlspace:	Crawl Space
Septic Tank Size:	~~1000 gal~~ 1500 GAL.
Pump Tank Size:	1000 gal
Primary System Loading Rate:	**0.3 gpd/ft^2**
Primary System:	**LP PPBPS**
Number and length of laterals:	4 lines @ 50 ft. endfed
Total ft. of primary system:	200 ft.
Number of T&J Panels:	11 panels per 50 ft. line. Total of 44 panels
Flow Rate through system:	22 gpm – use 5/32 in. holes with 3 ft. head pressure
Pump Requirements:	to be calculated by installer when specific house and pump tank locations are available
Dosing Volume:	approx. 158 gal. – (3.6 gal per panel)* 2.3 doses/day
Depth of effluent pumped per dose:	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Check Valve:	yes
Siphon break hole:	no
Repair System Loading Rate:	0.3 gpd/ft^2
Repair System:	LP PPBPS
Total ft. of repair	220+ ft. (200' required)

Notes: Before placement of cap block, one panel on each line, near the center of the field should be observed filling to ~~make~~ Mike certain that it does not overflow the top chamber into the air chambers. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.

PAGE 02/02
SMEINC
7046528735
11/19/2007 11:55

PPBPS Design Worksheet

File #: 1577
Tax #:
Address: Lot 9 Tranquil Cove
Consultant: Kathleen Sauncers - S&ME, In
Phone: 704-942-1250
Reviewed By: TCT
Date: 11-19-07 ✓

System Requirements

Design Flow	360	gpd
LTAR	0.300	gpd/ft.^2
Linear footage	400	ft. (conventional)
Linear footage	200	ft. (50% Reduction)

Design Layout

Laterals	Length (ft)	# Panels	Calculated
Line # 1	50	11	11.54
Line # 2	50	11	11.54
Line # 3	50	11	11.54
Line # 4	50	11	11.54
Line # 5	0	0	0.00
Line # 6	0	0	0.00
Line # 7	0	0	0.00
Line # 8	0	0	0.00
Line # 9	0	0	0.00
Totals	**200**	**44**	46.15

T & J Panels	
Linear Feet	# Panels
20	5
30	7
40	9
50	11
60	14
70	16

Absorption Area

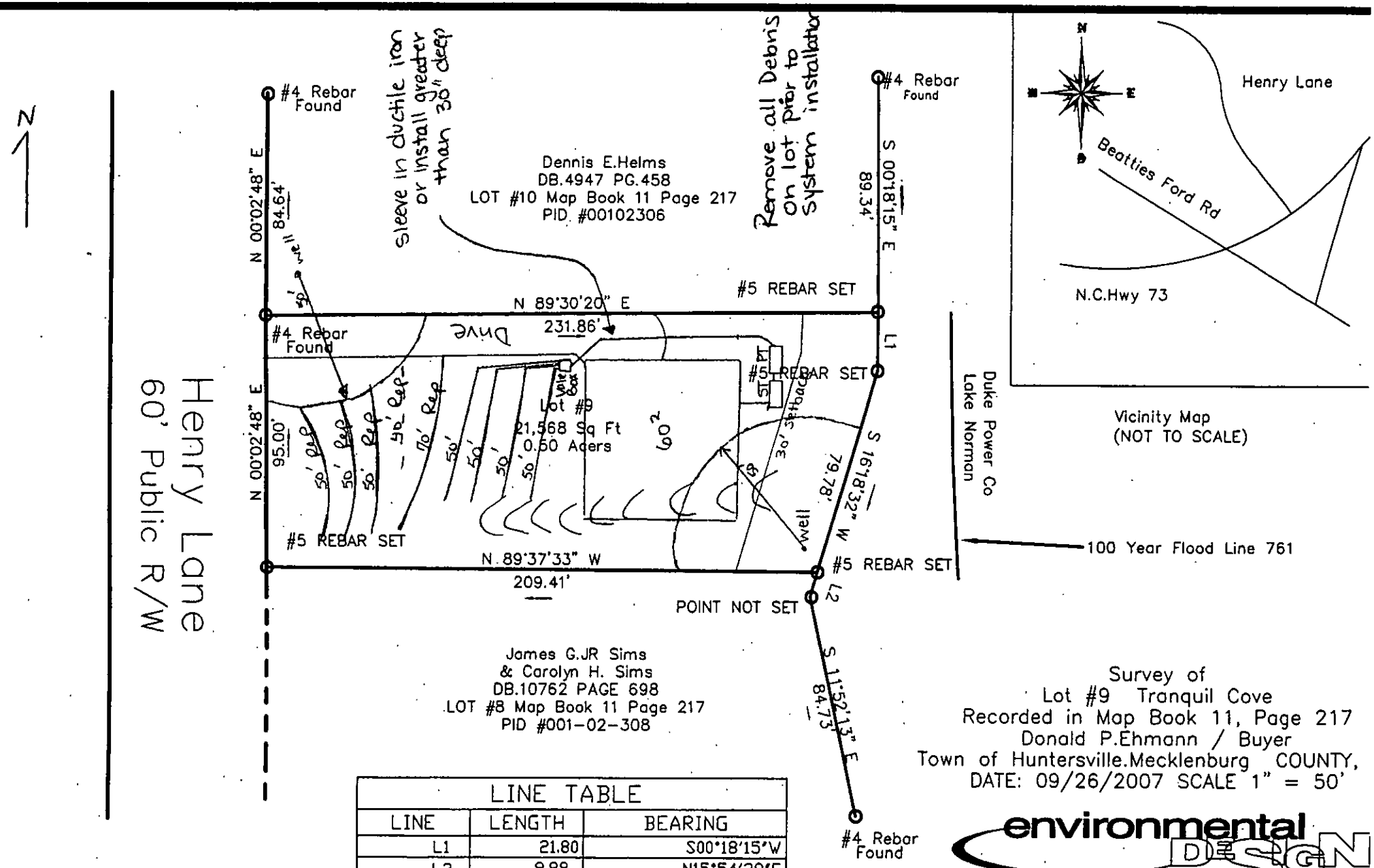
Length (ft)	Width (ft)	Area (ft^2)
200	3	600

System Pressure Head	3	ft.	Value selected by system designer (must be between 2-5 ft.)
Orifice Diameter	5/32	in.	Size selected by system designer (1/8 in. minimum)
Flow Rate per Orifice	0.5	gpm	Determined from orifice flow design table (use table from Flow Rate tab)
Total System Flow Rate	22	gpm	Total number of panels required multiplied by the orifice flow rate
System Dose Volume	158.40	gal.	Total number of panels required multipled by 3.6 gal./panel
Doses Per Day	2.27	cycles	Number of dose cycles per day based on daily design flow
Pump Run Time	7.20	min.	System dose volume divided by the total system flow rate
Pump Tank Volume / Inch	21	gal./in.	1,000 gal. Pump tank, volume is approximately 21 gallons per inch. 1,500 gal. pump tank, volume is approximately 29 gallons per inch
Pump Tank Drawdown	7.54	in.	Depth of effluent pumped per dose cycle.

Cells with blue shading require user input.
Cells with yellow shading are automatically calculated.

Comments:

1. Install system using 3 ft. wide trenches.
3. System design requires effluent pump for distribution.
4. 100% Repair area is required.



LINE TABLE		
LINE	LENGTH	BEARING
L1	21.80	S00°18'15"W
L2	9.88	N15°54'39"E

0' 50' 100' 150'

Survey of
Lot #9 Tranquil Cove
Recorded in Map Book 11, Page 217
Donald P.Ehmann / Buyer
Town of Huntersville.Mecklenburg COUNTY,
DATE: 09/26/2007 SCALE 1" = 50'

TE: Ratio of Precision of field survey is 15,000. Area computed by DMD method.

omas E. Montgomery NCPLS ~~L-2693~~

environmental DESIGN

20816 n. main street suite 204
cornelius, nc 28031
704.896.8020.phone
704.892.5479.fax
e.mail: t.montgomery@edpa.net

landscape architecture
civil engineering
land planning
land surveying

Division of Environmental Health
On-site Wastewater Section

Property ID: 001-023-07
Lot #: 9
File #: 1577
AppID: 2910

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Ronnie Yee
Address: 232 Montibello Drive, Mooresville, N. C. 28717
Proposed Facility: Residence Design Flow (.1949): 480gpd
Location of Site: 15916 Henry Lane
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

Applicant: S & ME
Date Evaluated: 11/1/07
Property Size: .5a
Property Recorded:

Pedon No.	Landscape Position / Slope %	Horizon Depth (In)	SOIL MORPHOLOGY Structure/ Texture	SOIL MORPHOLOGY Consistence/ Mineralogy	PROFILE FACTORS Soil Wetness/ Color	PROFILE FACTORS Soil Depth (In)	PROFILE FACTORS Soil Saprolite Class	PROFILE FACTORS Restrictive Horiz.	Profile Class / LTAR
1	LS, 8	0-4	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV .3GPD/FT²
		4-48	SBK/C	FI/SEXP/S/P					
2	"	0-3	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		3-43	SBK/C	FI/SEXP/S/P					
		43-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-4	GR/SCL	"	"	"	"	"	"
		4-35	SBK/C	FI/SEXP/S/P					
		35-48	SBK/CL	FR/SEXP/SS/SP					
4	"	0-3	GR/SCL	"	"	48	"	"	PS, IV .325GPD/FT²
		3-24	SBK/C	FI/SEXP/S/P					
		24-48	SBK/CL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT²				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Martin, LSS, 11/1/2007
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

FILE #: 1577

Lot does not appear to be 100% repair, some fill dirt and concrete chunks need removing beforemaking layout

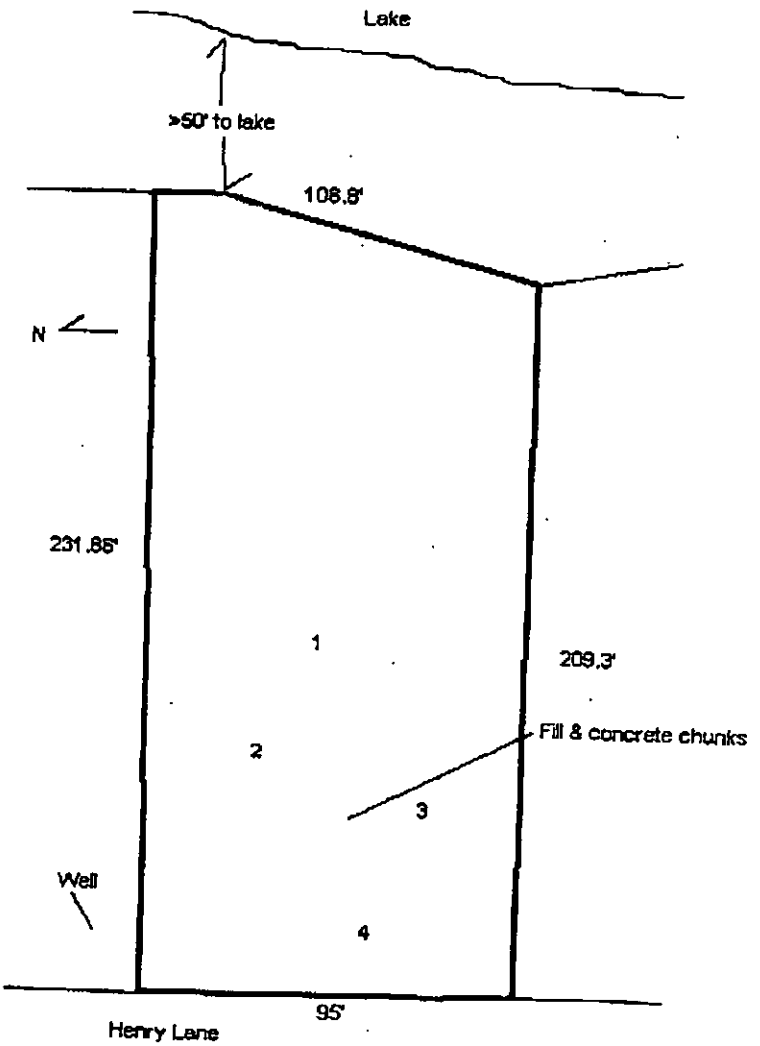
Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky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

Consistence Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence Wet
NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Soil Evaluation Locations



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

Sheet: 1 of 2
Property ID: 001-023-07
Lot #: 9
File #: 1577
AppID: 2910

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

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Applicant: S & ME
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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	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 8	0-4	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV
		4-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	"	0-3	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		3-43	SBK/C	FI/SEXP/S/P					
		43-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-4	GR/SCL	"	"	"	"	"	"
		4-35	SBK/C	FI/SEXP/S/P					
		35-48	SBK/CL	FR/SEXP/SS/SP					
4	"	0-3	GR/SCL	"	"	48	"	"	PS, IV
		3-24	SBK/C	FI/SEXP/S/P					.325GPD/FT^2
		24-48	SBK/CL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT^2				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 11/1/2007, W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

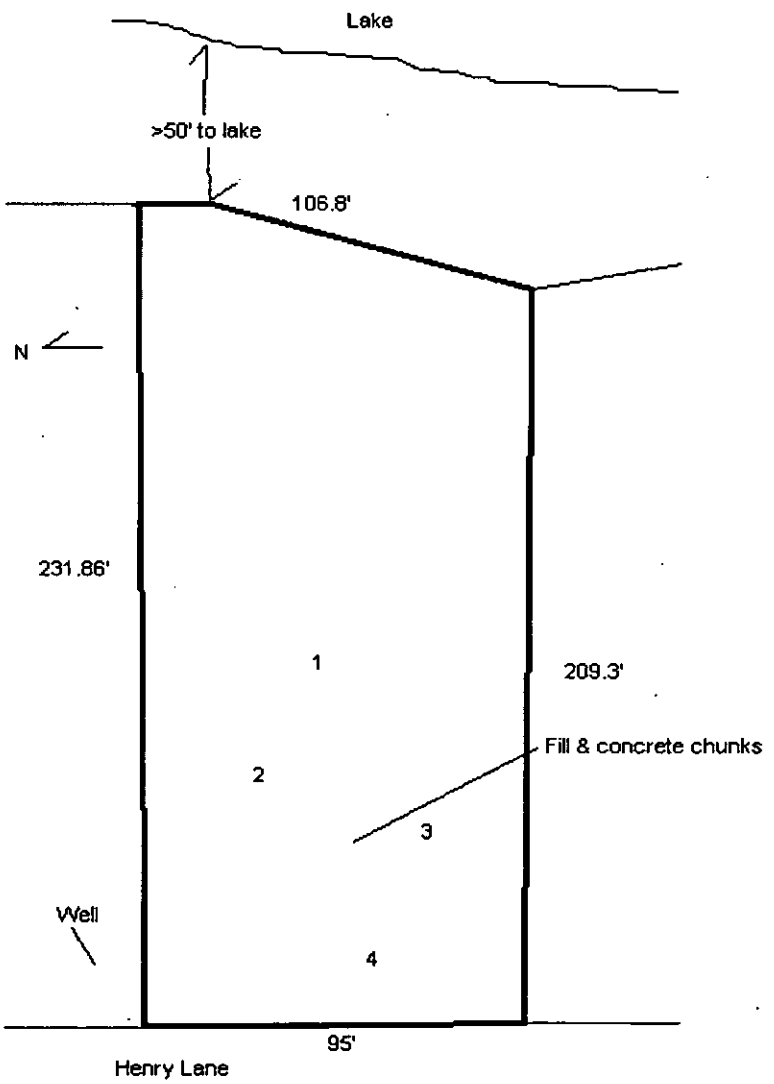
COMMENTS:

Lot does not appear to be 100% repair, some fill dirt and concrete chunks need removing beforemaking layout

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	

Soil Evaluation Locations



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

Sheet: 1 of 2
Property ID: 001-023-07
Lot #: 9
File #: 1577
AppID: 2910

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Ronnie Yee
Applicant: S & ME
Address: 232 Montibello Drive, Mooresville, N. C. 28717
Date Evaluated: 11/1/07
Proposed Facility: Residence
Design Flow (.1949): 360 gpd
Property Size: .5a
Location of Site: 15916 Henry Lane
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	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 8	0-4	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV
		4-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	"	0-3	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		3-43	SBK/C	FI/SEXP/S/P					
		43-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-4	GR/SCL	"	"	"	"	"	"
		4-35	SBK/C	FI/SEXP/S/P					
		35-48	SBK/CL	FR/SEXP/SS/SP					
4	"	0-3	GR/SCL	"	"	48	"	"	PS, IV
		3-24	SBK/C	FI/SEXP/S/P					.325GPD/FT^2
		24-48	SBK/CL	FR/SEXP/SS/SP					
					SITE LTAR .3GPD/FT^2				

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IV a	IV a
Site LTAR	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 11/1/2007,
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

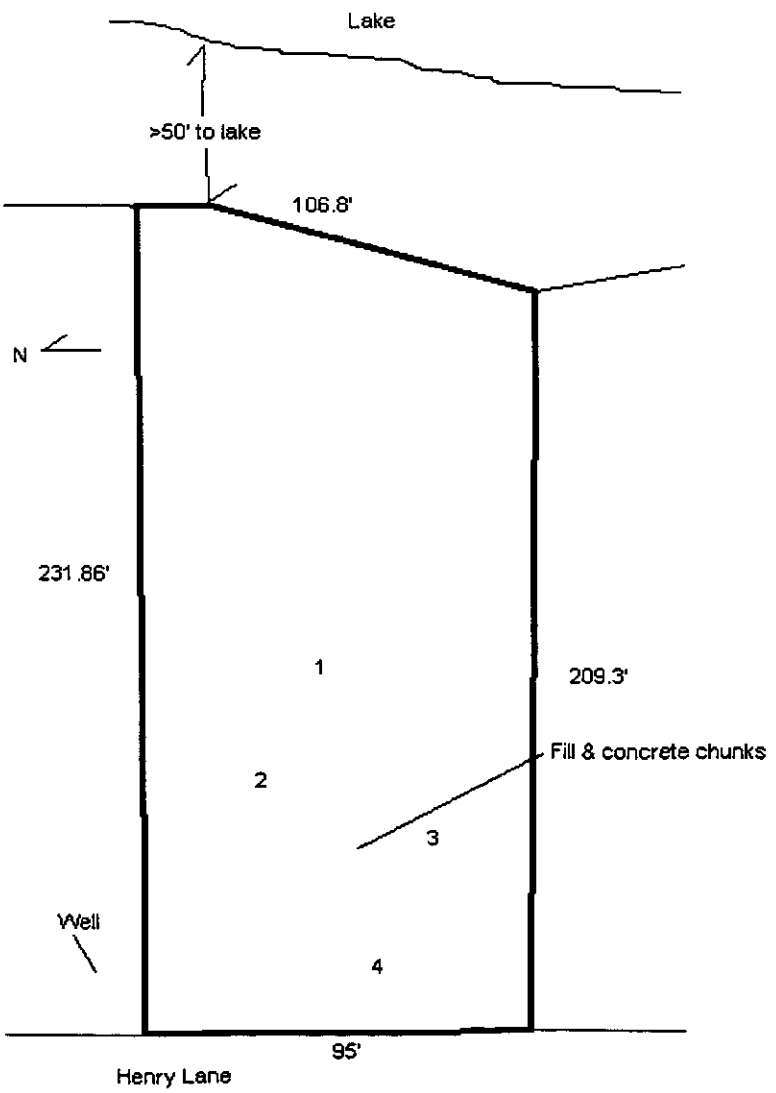
Sheet: 2 of 2
FILE #: 1577

COMMENTS:
Lot does not appear to be 100% repair, some fill dirt and concrete chunks need removing beforemaking layout

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	

Soil Evaluation Locations



FILE NUMBER: 577

Revised On: January 3, 2007

APPLICATION NUMBER: 2910

SEPTIC FEE: 209.00
DATE: 10/22/07
CHK 1072

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

WELL FEE: _____
DATE: _____

1. SEPTIC / TYPE APPLICATION: ☐ NONE ☒ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ☐ NONE ☒ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 00102307
STREET ADDRESS: 15916 Henry Ln
CITY: Huntersville
STATE: NC ZIP: 28078
SUBDIVISION NAME: Tranquil cove
LOT #: 9 LOT SIZE (acres): 0.50
TOWNSHIP: Huntersville

☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☒ 6-HUNTERSVILLE
☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL
☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. BUILDING INFORMATION:

BUILDING TYPE:
☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
☒ HOUSE ☐ OTHER _____

HEATED SQUARE FOOTAGE: 3,000
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 8 max

FOUNDATION TYPE:
☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☒ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING 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 ☐ PUBLIC WELL ☒ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

7. PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☒ POTABLE ☐ GEOTHERMAL ☐ OTHER

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

8A. RANK: ☐ ANY TYPE ☐ CONVENTIONAL 1 ☐ ACCEPTED 2 ☐ INNOVATIVE 3 ☐ ALTERNATIVE 4 ☐ OTHER _____

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 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

10. PROPERTY OWNER:

NAME: Ronnie Lee
ADDRESS: 232 Montibello Dr.
CITY: Mooresville,
STATE: NC ZIP: 28117
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: S+ME, Kathleen Saunders
ADDRESS: 385 Timber Rd. Suite 104
CITY: Mooresville
STATE: NC ZIP: 28115
HOME PHONE: WORK PHONE: 704-662-8628
MOBILE PHONE: 704-942-1250 FAX: 704-662-8735

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 6/16/94
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____

14. SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:
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 60 months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

Karen D Wallace
Property Owner's or Owner's Legal Representative Signature Date

15. WELL PERMIT APPLICATION SIGNATURE SECTION:
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 12 months from the date of issuance.

Karen D. Wallace
Property Owner's or Owner's Legal Representative Signature Date

☒ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☐ UN-SCALED SITE PLAN SUBMITTED

S&ME, INC.
SITE/SOIL EVALUATION

Project No. 1588-07-070 **Phone No.** 704-662-8625 **Date:** 10/19/07
Location Henry Lane **Pin** _____ **County:** Mecklenburg **Property Size** 0.50

Proposed Facility: 3-4 Bdr House **Water Supply:** On-Site Well ☒ Community ☐ Public ☐ **Evaluation:** Auger Boring ☒ Pit ☐ Cut ☐

Weather: Cloudy 75°F **Antecedent Moisture** .25" in last 24 hrs, soil VDry **Surface Water:** None

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %	L	L	L	L
Horizon Depth I	0-24	0-6	0-6	0-21
Color Munsell	Red	Red Br	Red Br	Red
Texture	C	L	SCL + Fill mix	CL
Structure	MO SBK	WK GR	WK GR	MO SBK
Consistence	FR S/P F mica	FR NS/NP	FR SS/np Concrete, gravel, const. debris mix	FR SS/SP
Boundary				
Horizon Depth II	24-44	6-30	6-24	21-35
Color – Munsell	Red	Red	Red	Red
Texture	CL	CL	C	CL
Mottles	F Sap	—	F mica/sap	f-sap/mica
Structure	Mo/WK SBK	WK SBK	MO SBK	WK SBK
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
Boundary				
Horizon Depth III	44-48	30-48	24-48	35-48
Color – Munsell	Red	Red	Red	Red
Texture	CL	CL	CL	CL
Mottles	C Sap	f-sap f-2's	F/C Sap	C Sap
Structure	WK SBK	WK SBK	WK SBK	WK SBK
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
		y/br Starch @ 33'		
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary		f-m 2		
Soil Wetness	—	start @ 33'	—	—
Restrictive Horizon	—	—	—	—
Saprolite	—	—	—	—
LTAR	0.3	0.25-.3	0.3	0.3
Classification	PS	PS	PS	

Kathleen Saunders
Karen Wallace

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Conclave Slope
Cv	Convex Slope
T	Terrace
P	Flood Plain

TEXTURE

s	sand
ls	Loamy sand
sl	sandy loam
l	loam
si	silt
sil	silt loam
sicl	silty clay loam
cl	clay loam
scl	sandy clay loam
sc	sandy clay
sic	silty clay
c	clay

CONSISTENCE WET

Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	angular blocky
pl	platy
pr	prismatic



NORTH PER
M.B. 11 PG. 217

Henry Lane
60' Public R/W

#4 Rebar Found

N 00°02'48" E
84.64'

Dennis E.Helms
DB.4947 PG.458
LOT #10 Map Book 11 Page 217
PID #00102306

#4 Rebar Found

S 00°18'15" E
89.34'

N 89°30'20" E
231.86'

#5 REBAR SET

#4 Rebar Found

Drive

#5 REBAR SET

N 00°02'48" E
95.00'

Lot #9
21,566 Sq Ft
0.50 Acers

100'

30' Setback

L1

S 16°18'32" W
79.78'

Duke Power Co
Lake Norman

#5 REBAR SET

N 89°37'33" W
209.41'

#5 REBAR SET

POINT NOT SET

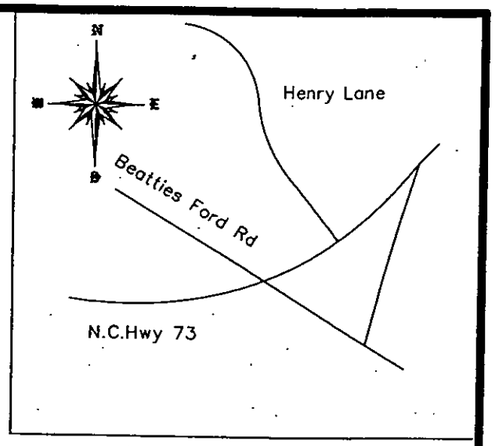
L2

100 Year Flood Line 761

James G.JR Sims
& Carolyn H. Sims
DB.10762 PAGE 698
LOT #8 Map Book 11 Page 217
PID #001-02-308

S 11°52'13" E
84.73'

#4 Rebar Found



Vicinity Map
(NOT TO SCALE)

LINE TABLE		
LINE	LENGTH	BEARING
L1	21.80	S00°18'15"W
L2	9.88	N15°54'39"E

0' 50' 100' 150'

NORTH CAROLINA PROFESSIONAL SEAL L-2593 LAND SURVEYOR THOMAS E. MONTGOMERY

NOTE: Ratio of Precision of field survey is 1/15,000. Area computed by DMD method.

Thomas E. Montgomery NCPLS L-2593

Survey of
Lot #9 Tranquil Cove
Recorded in Map Book 11, Page 217
Donald P.Ehmann / Buyer
Town of Huntersville.Mecklenburg COUNTY, NC
DATE: 09/26/2007 SCALE 1" = 50'

environmental DESIGN

20816 n. main street suite 204
cornelius, nc 28031
704.896.8020.phone
704.892.5479.fax
e.mail: t.montgomery@edpa.net

landscape architecture
civil engineering
land planning
land surveying

1500

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM
APPLICATION FOR SERVICES

Pd. #300 4/15/94 Ck # 0513 CT-CAT

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

(704)336-5102

Date: 4/13/94

PERSON FILING APPLICATION:
NAME: DETCHEMENDY (last) DUTCH (first) (mi)
ADDRESS: 19300 STATESVILLE RD PHONE: 704 892 6556
CITY: DONALDSON STATE: NC ZIPCODE: 28036

PROPERTY INFORMATION (FROM ENGINEERING FORM):
TAX/PARCEL NUMBER: 001-02307
STREET ADDRESS: 15916 HENRY LN
ZONING: R3

PROPERTY OWNER:
NAME: YEE RONNIE H. (last) (first) (mi)
ADDRESS: 20465 CHARTWELL CTR DR PHONE: (704) 896-7778
CITY: CORNELIUS STATE: NC ZIPCODE: 28031

SUBDIVISION OR MOBILE HOME PARK NAME:

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

TYPE APPLICATION (check one):

LOT NUMBER: 9 LOT SIZE (in acres): .48

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

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

NUMBER BEDROOMS: 3 NUMBER OCCUPANTS:

SYSTEM CLASSIFICATION:

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

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

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

The undersigned, owner, or legal agent for the owner, of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

Signed: Patchemendy Agent for Ronnie Yee Date: 4/13/94

NOTICE:

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

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

...This permit is not transferable.

...Existing well to be abandoned before COC issued. Convention system area located with abandonment of existing well. Well relocated at top/front portion of lot.

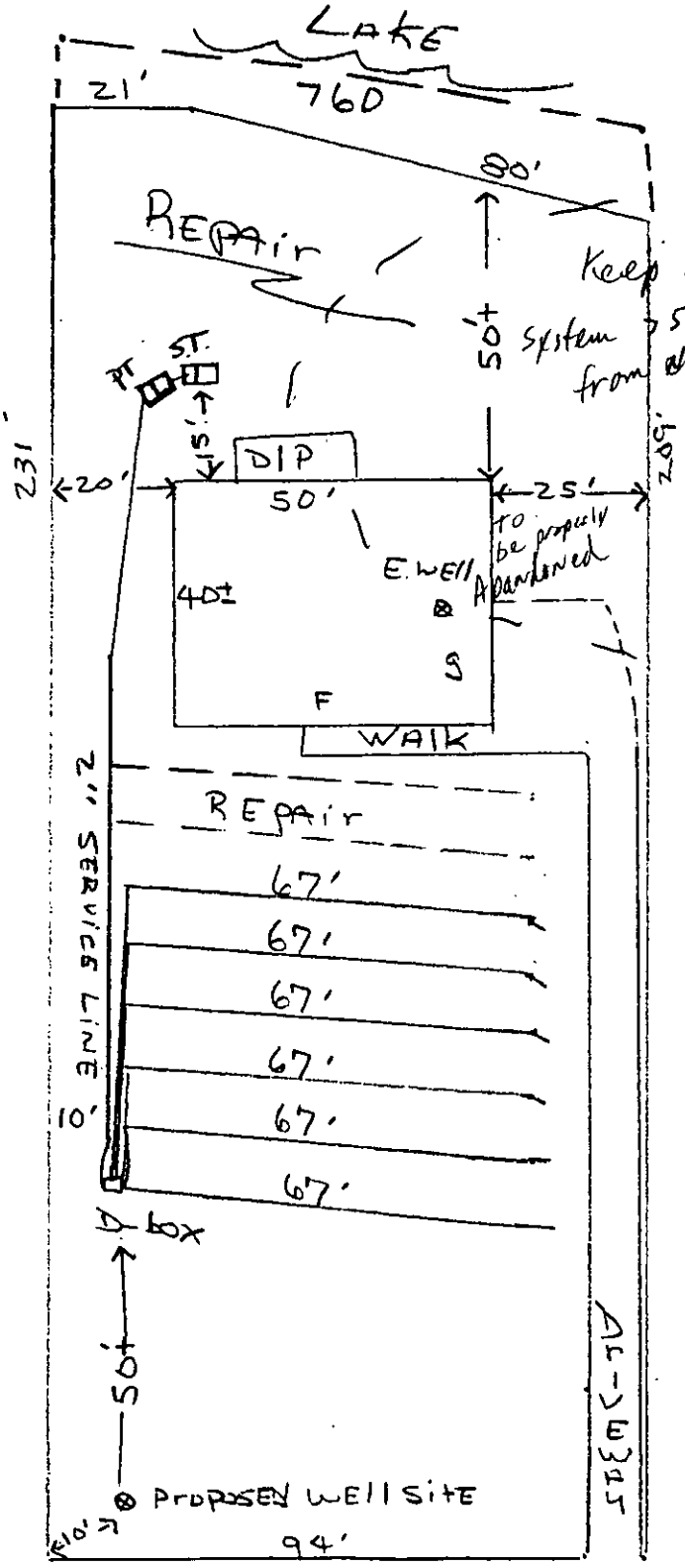
[X] IMPROVEMENT PERMIT - VALID 60 MONTHS FROM ISSUANCE
[] MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE
[] ADDITION/RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE

Philo A. Walker 6/14/94
Environmentalist Date

Director or Authorized Section Head Date

Lift pump required
NO 100% Repair required

WATER : 122791



15916 HENRY LN.

MCHD
File: 1577
TC: 001-023-07
Lot 9, HENRY LN.

⊗ existing well
3 BEDRM / CONVENTIONAL
PUMPED PLAN

* 1,500 gal. SEPTIC TANK
1,000 GAL PUMP TANK
(6) 3'x67'x12" GRAVEL

NO 100% Repair area required.
Existing well to be abandoned before COC issued.
Well Relocated at top left corner of lot.
Keep proposed well >50' from septic system and 760 mark
Driveway to hug right property line

Tim Whittaker
6/14/94

SCALE 30

Division of Environmental Management
Groundwater Section
P.O. Box 27687 - Raleigh, N.C. 27611

MCHD
FILE: 1577

WELL ABANDONMENT RECORD

CONTRACTOR PRENCO INC. 866-9540

1. WELL LOCATION: (Show a sketch of the location on back of form.)
Nearest Town: CORNELIUS, NC County MECKLENBURG
HENRY LANE, Lot 9
(Road, Community, Subdivision, Lot No.) Quadrangle No.

2. OWNER: RONNIE YEE

3. ADDRESS: 15916 HENRY LANE

4. TOPOGRAPHY : draw, (slope), hilltop, valley, flat

5. USE OF WELL: RESIDENTIAL DATE: 6/10/94

6. TOTAL DEPTH: 34' DIAMETER: 2"

7. CASING REMOVED:

feet	diameter
6'	2"

8. SEALING MATERIAL:

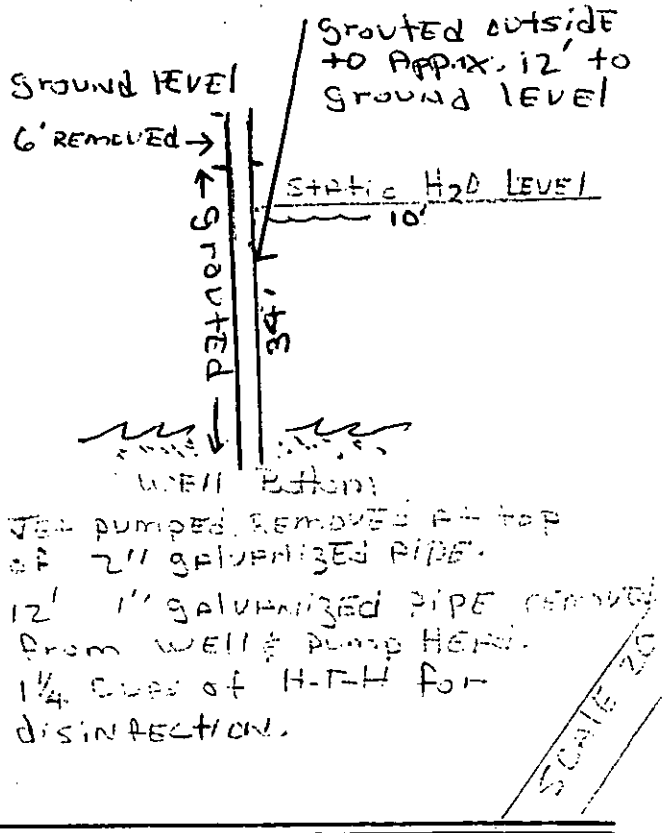
Neat cement	Sand cement
bags of cement 17	bags of cement
gals. of water 20+	yds. of sand
	gals. of water

Other
Type material

Amount

9. EXPLAIN METHOD EMPLACEMENT OF MATERIAL
2" PIPE filled by Gravity poured, Grouted to top AND 12' down outside of 2" PIPE.

WELL DIAGRAM: Draw a detailed sketch of the well showing total depth, depth and diameter of screens remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.



I do hereby certify that this well abandonment record is true and exact.

Signature of Contractor or Agent Tim Whittaker Date 6/10/94

WELL LOCATION: Draw a location sketch on the reverse of this sheet, showing the direction and distance of the well to at least two (2) nearby reference points such as roads, intersections and streams. Identify roads with State Highway road identification numbers.

Submit original to the Division of Environmental Management, one copy to the Driller, and one copy to the owner.

GW-30 Revised 3/8/90

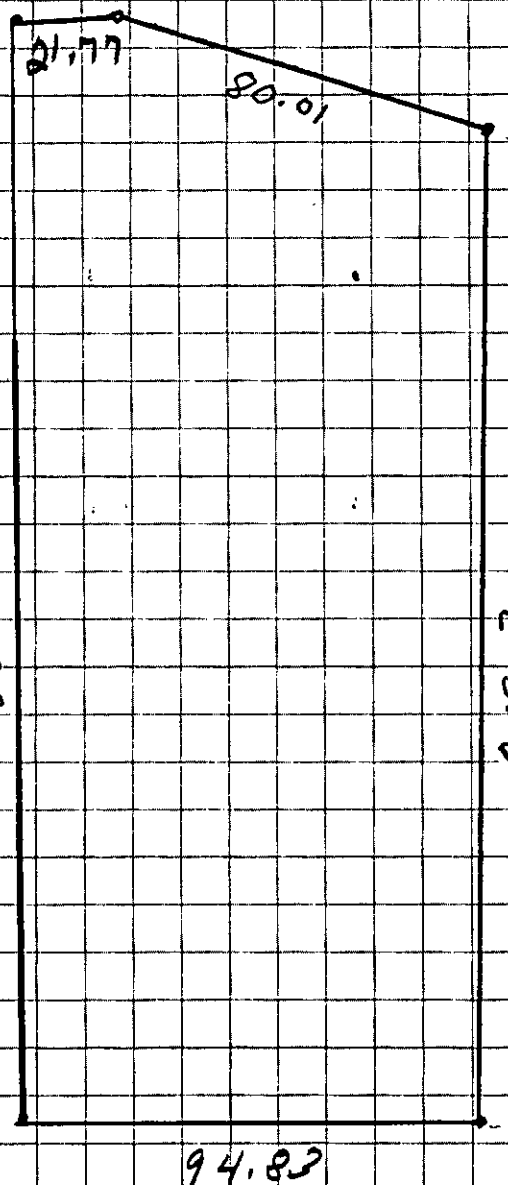
PROPOSED PLOT PLAN

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

FILE: 1577

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 _____

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

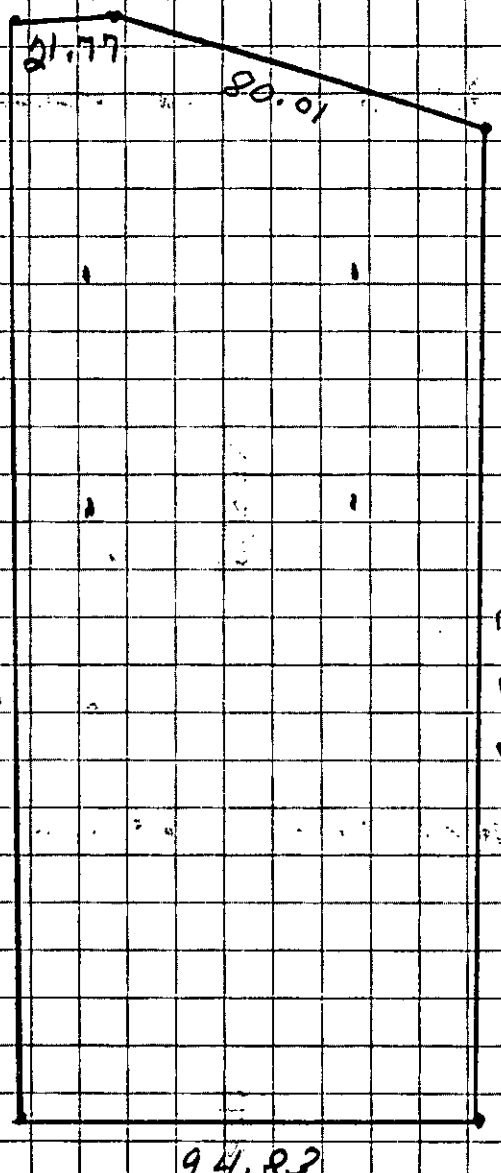
PROPOSED PLOT PLAN

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

FILE: 1577

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 _____

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

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: 1577
TC:
SERIAL: № 20612

JOB LOCATION

① ADDRESS: 15916 Henry Lane (Off 73 4 mi right Office Bristol's) ② FILE:
(STREET NO.) (STREET)
③ JURISDICTION: Mecklenburg-Lake Norman ④ TAX PARCEL NO.: 001-023-07
⑤ SUBDIVISION: TRANQUIL COVE ⑥ LOT: #9 ⑦ BLOCK: Sec #1

OWNER

⑧ NAME: MADY Construction
(FIRST) (MIDDLE) (LAST)
⑨ MAILING ADDRESS: 19606 Hwy 73 west
⑩ CITY: Huntersville ⑪ STATE: NC ⑫ ZIP: 2807[illegible]
⑬ PHONE: (WORK) 892-5106 ⑭ (HOME) 392-8639

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
㉒ Number of bedrooms? 3
㉓ Maximum occupancy? 3
㉔ Basement? ☐ yes ☑ no

NA
㉑ ☐ Business or place of public assembly
㉕ Type?
㉖ Maximum number of employees?
㉗ Maximum number of seats?

WATER SUPPLY

㉘ Water supply from (present or proposed):

A ☑ Individual well SP3144 met Tim Whittaker on lot.
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: Paul C Phillips
Date: 4-24-96

IMPROVEMENT PERMIT

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

... No work shall be conducted on the septic tank system until a stallation, Construction, Alteration and/or Repair permit is issued b Department.

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

Environmentalist / Date

Director or Authorized Section Head / Date

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

Mecklenburg County
Health Department

March 12, 1990

Kenneth Raybon Butler
3701 Ayscough Rd.
Charlotte, NC 28211

RE: Property located at Henry Lane
FILE: 1577
PARCEL: 001-023-07

Dear Mr. Butler:

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 No. 17666) is enclosed for your information.

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,

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

Enclosure (2)

MECKLENBURG COUNTY HEALTH DEPARTMENT
SITE EVALUATION REPORT
SERIAL NUMBER 17666

File: 1577 Action ✓

Parcel: 001-023-07 ☐ PC

Location: 5916 Henry Lane

Subdivision: Tranquil Cove - Sec. 1

Lot: 9 Block: Acres: .49

Owner: Kenneth Raybon Butler
Address: 3701 Ayscough Rd
Charlotte, NC 28211

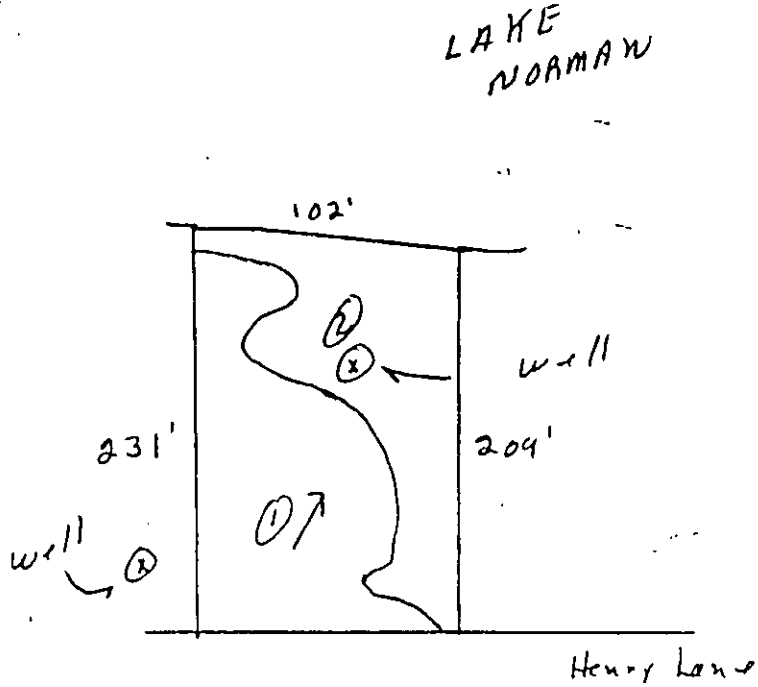
Comments: _____

Described by: William B. Meeks

Date: 3-9-90

*** EVALUATION KEY ***

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



FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	S (PS) U 6-12%	S PS (U) complex slopes	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 7½" To water	S PS U	S PS U	S PS U	S PS U	S PS U
Depth	S (PS) U 36"+	S PS U —	S PS U	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U 36"	S PS U —	S PS U	S PS U	S PS U	S PS U
Available Space	S PS (U) Restricted	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	W Cat. 1-1.4%	Complex slopes				
Area Classification	S PS (U)	S PS (U)	S PS U	S PS U	S PS U	S PS U