C Sherrill - W
BM - septic

FILE NUMBER: 744/B

Revised On: August 31, 2007

APPLICATION NUMBER: 2919

SEPTIC FEE: 200.00
DATE: 10/26/07

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: 400.00
DATE: 10/26/07

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: 217.311.16 PO
STREET ADDRESS: Variety Lane
CITY: Charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME:
LOT #: 75B LOT SIZE (acres): .69
TOWNSHIP:
☒ 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: 5000
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS: 4
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: 6 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 1 ☐ CONVENTIONAL 2 ☐ ACCEPTED 1 ☐ INNOVATIVE 3 ☐ ALTERNATIVE 4 ☐ OTHER _____ 5

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

10. **PROPERTY OWNER:**
NAME: Thomas H Zeh Jr
ADDRESS: 18115 Variety Lane
CITY: Charlotte
STATE: NC ZIP: 28278
HOME PHONE: WORK PHONE:
MOBILE PHONE: 631-495-2227 FAX: 631-924-3580

11. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

12. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** 9/20/07
13 **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** NOV 31 07

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.

Thomas H. Zeh JR 10/26/07
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.

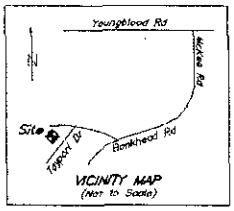
Thomas H. Zeh JR 10/26/07
Property Owner's or Owner's Legal Representative Signature Date

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

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

I, _____, review officer of Mecklenburg County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer _____ Date _____



VICINITY MAP
(Not to Scale)

75B

BANKHEAD ROAD
60' PUBLIC R/W

VARIETY LANE
60' PUBLIC R/W

Telephone Pedestal

N 89°39'00" E 33.58'

C1 58.43' R=419.90' N 86°21'44" W L=58.40'

L=34.99' N 80°07'14" W R=419.90' 34.50'

S 77°40'00" E 183.78'

Power Pole

Asphalt Paved Road

Overhead Utility Line

N25°29'59"W 47.02' R=50.00' L=48.63'

N46°10'02"E 69.36' R=50.00' L=76.12

#5 Rebar (found)

#5 Rebar (found) @ Base of Tree Trunk

30' Setback per Map 11/466

10' Side Yard per Map 17/486

N 48°24'34" E 210.06'

F.L.

N 12°34'26" E 280.32'

N 14°41'03" E 118.25'

10' Side Yard per Map 17/486

#4 Rebar (found)

N 36°53'26" E 78.47'

N 22°22'21" W 98.33'

S 48°00'00" W 88.14'

N 45°51'00" W 72.97'

N 73°46'10" W 97.10'

Dock

Top of Bank

30' Watershed

1-1/2" Iron Pipe (found)

Lake Wylie

North per Map 23/243

Adjoiner:
Parcel ID No. 217-311-15
~Pasquale Nowell~
(New or Formerly)
Deed: 21145-614
Tract 2, Lot 74-C & Adjacent
Section 44, Map 17-486
Map 46-819
Revised in Map _____

LEGEND:
R/W = Right-of-Way
S.W.I.M. = Surface Water Improvement & Management

THE PURPOSE OF THIS PLAT IS TO CREATE TWO LOTS OUT OF ONE. THE RECORDING OF THIS MAP REPLACES AND SUPERCEDES THE RECORD MAPS PREVIOUSLY RECORDED AT BOOK 17, PAGE 486, BOOK 23, PAGE 243, BOOK 46, PAGE 619, AND BOOK ___ PAGE ___, MECKLENBURG COUNTY REGISTRY.

Surveyor's Certification

I, Kimberly C. Ward, certify that: this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 6413, page 487, etc.) (other); that the boundaries not surveyed are clearly indicated as drawn from information found at references as shown hereon; that the ratio of precision as calculated is 1:10,000; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this 15th day of August, A.D. 2007.

Seal or Stamp _____ NC Professional Surveyor Registration No. 4540

NOTES:

1. TAX PARCEL NO. 217-311-16
2. DEED REFERENCE: BOOK 13613, PAGE 427
3. MAP REFERENCE: BOOK 17, PAGE 466, BOOK 23, PAGE 243 BOOK 46, PAGE 619, BOOK ___ PAGE ___
4. PROPERTY IS ZONED R-5 PER GIS DATA
   MINIMUM STANDARDS PER R-5:
   20' SETBACK ~ 5' SIDE YARD ~ 35' REAR YARD
   MINIMUM STANDARDS PER MAP BOOK 17, PAGE 466:
   30' SETBACK FROM ROAD R/W
   50' SETBACK FROM CONTOUR ELEV 570
   USGS SEA LEVEL DATUM
   10' FROM SIDE LOT LINE
5. PROPERTY DOES LIE WITHIN A FLOOD-PRONE HAZARD AREA. FLOOD ZONE AE. FLOOD LINE FOLLOWS LAKE BANK. REFERENCE: FEMA PANEL NO 3701580028E DATED 2/4/2004
6. IRONS ARE IN AT ALL CORNERS, UNLESS OTHERWISE NOTED.
7. RIGHTS-OF-WAY SHOWN ARE PER MAP BOOK 17, PAGE 466.
8. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF TITLE CONSIDERATIONS. THERE MAY EXIST OTHER EASEMENTS OR RIGHTS-OF-WAY, THAT AFFECT THIS PROPERTY THAT ARE NOT SHOWN HEREON.
9. PROPERTY AFFECTED BY A 50' S.W.I.M. BUFFER THAT IS OVERRIDDEN BY A 30' WATERSHED BUFFER BOTH OF WHICH ARE MEASURED FROM THE FIELD-LOCATED TOP OF BANK. THE ENTIRE 30' WATERSHED BUFFER SHOULD REMAIN UNDISTURBED.
10. THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND
11. THIS PROPERTY LIES WITHIN THE LOWER LAKE WYLIE WATERSHED, CLASS: CRITICAL AREA.
    (SEE CHARLOTTE ZONING ORDINANCE CODE SECTION 10.700 FOR ISSUES RELATED TO THIS WATERSHED DESIGNATION.)
    PER SECTION 10.706, THE MAXIMUM ALLOWABLE BUILT UPON (OR IMPERVIOUS) AREA IS 20% PER LOT.
    LOT 75-A IMPERVIOUS AREA ALLOWED -- 6,017 SQ. FT.
    (20% OF 30,085 SQ. FT.)
    IMPERVIOUS AREA USED -- 0 SQ. FT.
    ALLOWABLE AREA REMAINING -- 6,017 SQ. FT.
    LOT 75-B IMPERVIOUS AREA ALLOWED -- 6,015 SQ. FT
    (20% OF 30,076 SQ. FT.)
    IMPERVIOUS AREA USED -- 0 SQ. FT.
    ALLOWABLE AREA REMAINING -- 6,015 SQ. FT.

LINE TABLE		
LINE	BEARING	LENGTH
L1	N00°21'00"W	19.76

CURVE TABLE				
CURVE	DIRECTION	RADIUS	LENGTH	CHORD
C1	N44°39'00"E	20.00	31.42	28.28

SCALE: 1" = 40'

A PLAT SHOWING A MINOR SUBDIVISION OF LOT 75 LAKE WYLIE RECREATION LOTS SECTION 44

SURVEYED FOR

THZ EQUITIES, LLC

1.344 AC. (58,527 SQ. FT.)

STEELE CREEK TOWNSHIP, MECKLENBURG COUNTY, NORTH CAROLINA

August 15, 2007 ~ Scale: 1"=40'

PETRA LAND SURVEYING, PLLC
207 Blythe Mill Road
Post Office Box 1379
Waxhaw, North Carolina 28173
Phone: 704-843-4863
Kimberly C. Ward, NCPLS, #4540

L:\CIVIL\Projects\B_PETRA\~ 2006\~ [illegible] & LAKE Wylie\Survey\ SCE.dwg

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

Sheet: 1 of 3
Property ID: 217-311-16PO
Lot #: 75B
File #: 7441B
AppID: 2919

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Thomas H. Zehner, Jr.
Applicant:
Address: 18115 Variety Lane, Charlotte, NC 28278
Date Evaluated: 11/5/2007
Proposed Facility: Residence
Design Flow (.1949): 600 gpd
Property Size: .69a
Location of Site: 18115 Variety 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,10	0-3	GR/SL	FR/SS/SP/SEXP	>43" TO SOIL WETNESS	43	N/A	NONE	PS,IV
		3-27	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		27-43	SBK/SCL	FR/S/P/SEXP					
		43+	M/SAP						
2	LS,20	0-6	GR/SL	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	"	"	"
		6-36	SBK/C	FI/S/P/SEXP					
		36-48	SBK/SCL	FR/S/P/SEXP					
3	"	0-3	GR/SL	FR/SS/SP/SEXP	>43" TO SOIL WETNESS	43	"	"	"
		3-43	SBK/C/	FI/S/P/SEXP					
		43+	M/SAP						
4	"	0-4	GR/SL	FR/SS/SP/SEXP	>42" TO SOIL WETNESS	42	"	"	"
		4-30	SBK/C	FI/S/P/SEXP					
		30-42	SBK/SCL	FR/S/P/SEXP					
		42+	M/SAP						
					SITE LTAR				.3 GPD/FT^2

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

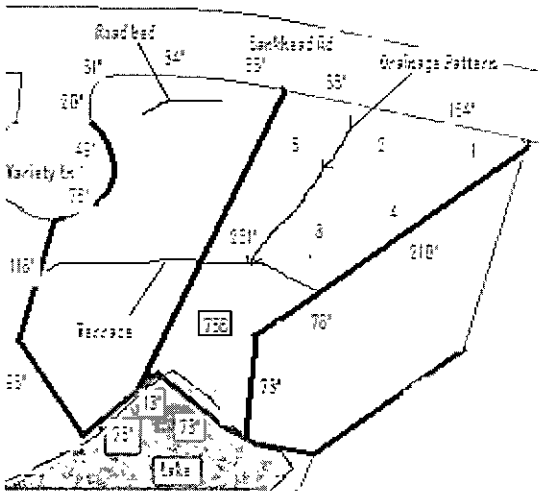
Other Factors (.1946):
Soil Evaluation By: C.Sherrill, RS, LSS
Others Present: T.Zehner
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS: 100% Repair

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	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	

Sketch of Soil Evaluation Locations



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

Sheet: 3 of 3
File #: 7441B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
5	LS,20	0-6	GR/SCL	FR/SS/SP/SEXP	>43" TO SOIL WETNESS	43	N/A	NONE	PS,IV
		6-34	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		34-43	SBK/SCL	FR/S/P/SEXP					
		43+	M/SAP						

December 4, 2008

File: 7441B
Application: 2919
Location: 18115 Variety Lane

Applicant has not returned my calls. Does not want to act on application.

Chris Sherrill, RS, LSS
Mecklenburg County GWS

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/26/07
Receipt #: 53397
Check / Auth #: CHECK 1058
Received By: GLADNAG

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: KRAMER ARTHUR
Attn:
Address: 1831 CAMEL RIDGE RD
Address:
City/State/Zip: CHARLOTTE, NC 28226

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 18115 VARIETY LN (LOT 75B)		1	200.00	200.00

----------Outstanding Balances----------

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/26/07
Receipt #: 53398
Check / Auth #: CHECK 1058
Received By: GLADNAG

Amount: 400.00
Tendered: 400.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: KRAMER ARTHUR
Attn:
Address: 1831 CAMEL RIDGE RD
Address:
City/State/Zip: CHARLOTTE, NC 28226

Item	Description	Permit#	Quantity	Unit Price	Total Price
0753	Private Well, New 18115 VARIETY LN(LOT 75B)		1	400.00	400.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance