FILE NUMBER: 7479B BM Revised On: August 31, 2007 APPLICATION NUMBER: 2981

SEPTIC FEE: 200.00
DATE: 11/12/07
MC-Paid

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: 108-022-08
STREET ADDRESS: 7905 Hickory Drive
CITY: Charlotte
STATE: NC ZIP: 28215
SUBDIVISION NAME: Hickory Acres
LOT #: 19 LOT SIZE (acres): 0.783 acre
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: 3600 ±
NUMBER OF BEDROOMS: 4
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: _____ 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)
☑ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☑ OTHER Sapralite System
8A. RANK: * Pits are currently open on the lot.

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: Roman Liventsov
ADDRESS: 9824 Arlington Oaks Drive
CITY: Charlotte
STATE: NC ZIP: 28227
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-804-1637 FAX:

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: Larry Thompson
ADDRESS: 114 Orchard Ridge Road
CITY: Locust
STATE: NC ZIP: 28097
HOME PHONE: 704-888-1496 WORK PHONE:
MOBILE PHONE: 704-301-4881 FAX: 704-888-1496

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? ? Old Survey from 1975 (Sold in 2007)
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? ASAP

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.

Property Owner's or Owner's Legal Representative Signature Date 11/10/07

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.

Property Owner's or Owners Legal Representative Signature Date

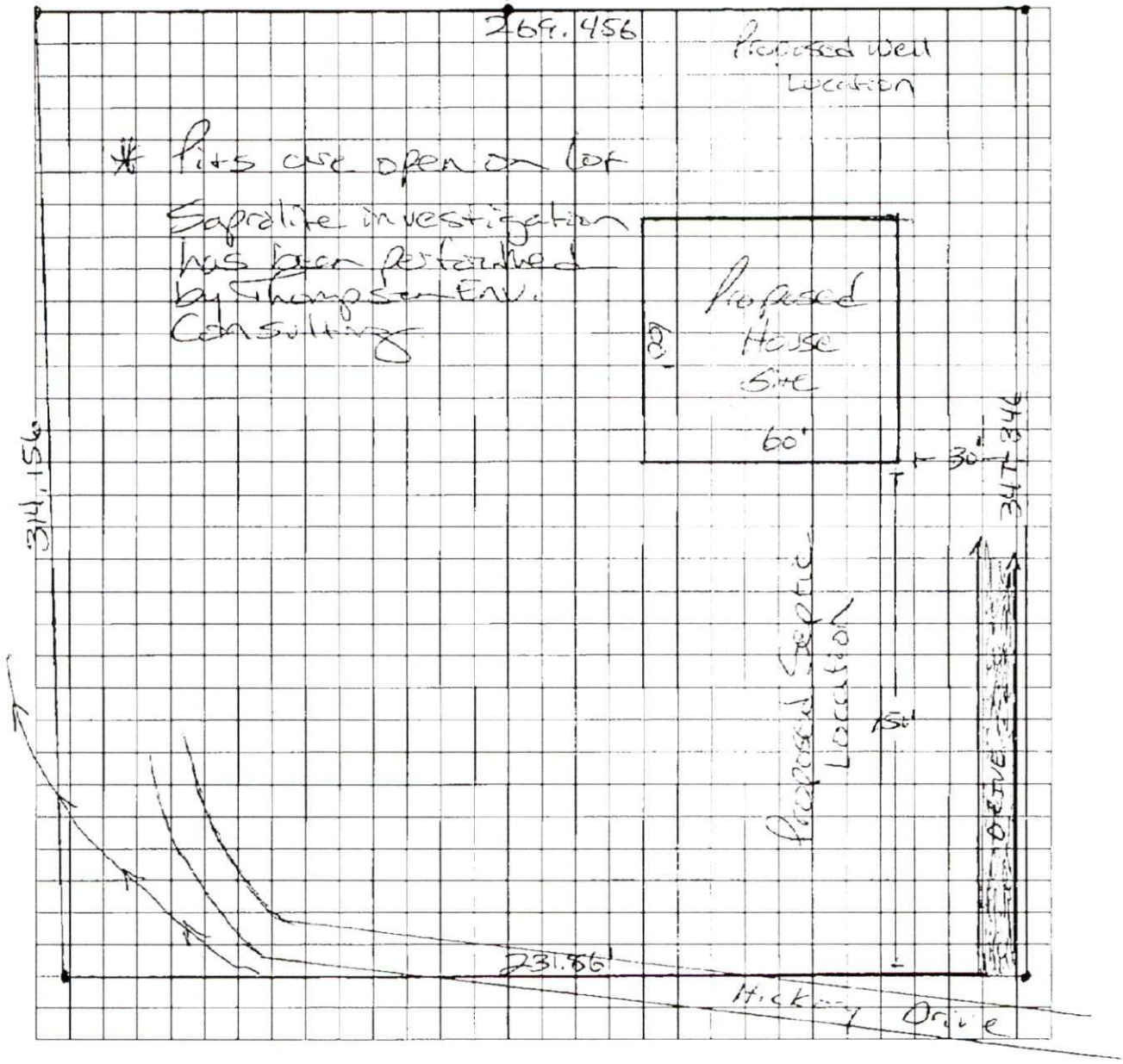
☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☑ UN-SCALED SITE PLAN SUBMITTED

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

File #_____
Date_____

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



Owner/Agent Signature	J B Thompson Jr.
Date	11/10/07

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	11/12/07	**Amount:**	200.00
Receipt #:	53606	**Tendered:**	0.00
Check / Auth #:	MC 012604	**Returned:**	0.00
Received By:	GLADNAG		

Account Information

Account #:	200000
Contractor:	THOMPSON LARRY
Attn:	
Address:	7905 HICKORY DR
Address:	
City/State/Zip:	CHARLOTTE, NC 28215

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 7905 HICKORY DR		1	200.00	200.00

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

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

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

Sheet:
Property ID: 108-022-08
Lot #:
File #: 7479B
AppID: 2981

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Roman Liventsov
Applicant: Larry Thompson
Address: 9824 Arlington Oaks Drive, Charlotte, N. C. 28227
Date Evaluated: 11/30/07
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size:
Location of Site: 7905 Hickory Drive
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [x] 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
2	LS, 7	0-9	GR/SCL	FR/SEXP/SS/SP	>56" TO SOIL WETNESS	19	PS	NONE	PS, SAP II .35GPD/FT^2
		9-19	SBK/SC	FI/SEXP/S/P					
		19-56	M/SL	FR/SEXP/NS/NP					
3	LS, 5	0-6	GR/SL	FR/SEXP/NS/NP	>50" TO SOIL WETNESS	9	"	"	"
		6-9	SBK/SCL	FR/SEXP/SS/SP					
		9-50	M/LS	FR/SEXP/NS/NP					
4	LS, 8	0-12	GR/SCL	FR/SEXP/SS/SP	>50" TO SOIL WETNESS	12	"	"	"
		12-50	M/SL	FR/SEXP/NS/NP					
5	"	0-6	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	23	"	"	"
		6-23	SBK/SC	VFI/MIXED/S/P					
		23-48	M/LS	FR/SEXP/NS/NP					
6	LS,5	0-4	GR/SCL	FR/SEXP/SS/SP	"	13	"	"	"
		4-13	M/SC	VFI/MIXED/S/P					
		13-48	M/SL	FR/SEXP/NS/NP					
7	"	0-6	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	18	"	"	"
		6-18	M/SC	VFI/EXP/S/VP					
		18-48	M/SL	FR/SEXP/NS/NP					
8	LS, 6	0-12	SBK/C	VFI/EXP/S/VP	>48" TO SOIL WETNESS	12	"	"	"
		12-48	M/SL	FR/SEXP/NS/NP					

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

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 12/3/2007, W. R. Marlin
Others Present: L. Thompson
Site Classification (.1948):
Site Evaluation By:
Others Present:

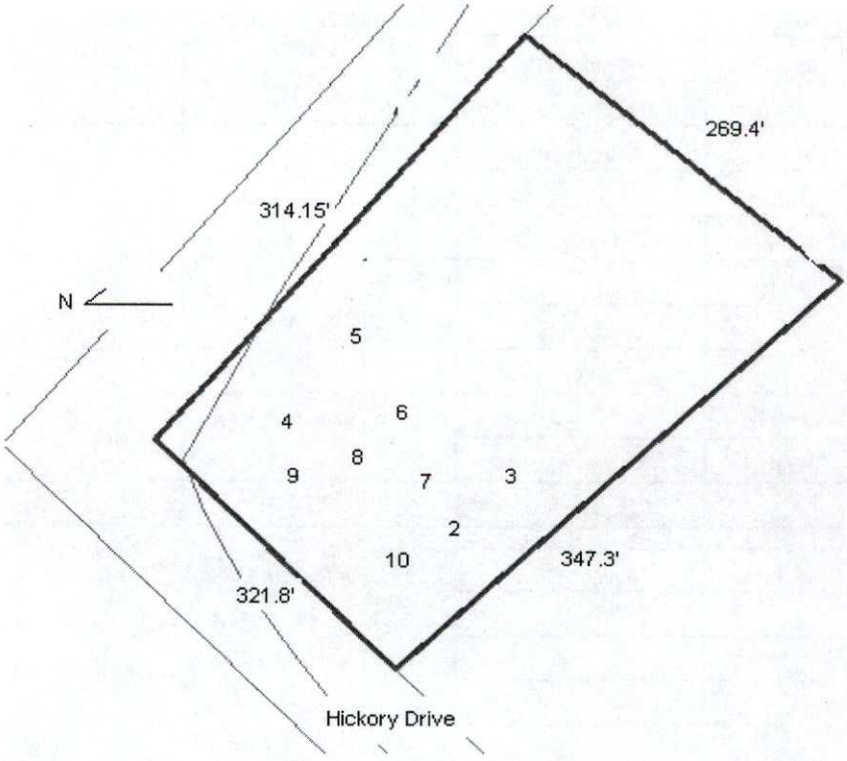
COMMENTS:

Probably 100% repair, will need piled fill removed from drainfield areas

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	

Sketch of Soil Evaluation Locations



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

File #: 7479B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 — .1941 Structure/ Texture	.1941 Consistence Mineralogy	OTHER PROFILE FACTORS — .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
10	LS, 6	0-8	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	16	PS	NONE	PS, SAP II
		8-16	SBK/SC	VFIEXP/S/VP					.35GPD/FT^2
		16-48	M/SL	FR/SEXP/SS/SP					

Thompson Environmental Consulting, Inc.
114 Orchard Ridge Road
Locust, NC 28097-8748
704-301-4881

SHEET 1 OF 1

COUNTY: Mecklenburg
TAX ID: 108-022-08

OWNER: Roman Liventsov
LOCATION: 7905 Hickory Drive - Hickory Acres

DATE: October 29, 2007

PROFILES		Pit 1	Pit 2	Pit 3	Pit 4	Pit 5	Pit 6	Pit 7			
LANDSCAPE POSITION	.1940	la	ls	ls	ls	ls	is	ls			
SLOPE (%)	.1940	10%	7%	5%	8%	8%	4%	4%			
HORIZON 1 DEPTH	.1943	0-8	0-9	0-6	0-12	0-6	0-4	0-6			
TEXTURE	.1941 (a)(1)	cl	scl	sl	sc	scl	scl	scl			
CONSISTENCE	.1941	fr	fi	fr	fi	fr	fr	fi			
STRUCTURE	.1941 (a)(2)	sbk	sbk	gr	sbk	sbk	gr	gr			
CLAY MINERALOGY	.1941 (a)(3)	se	se	se	se	se	se	se			
HORIZON 2 DEPTH	.1943	8-24	9-19	6-9	12-50+	6-23	4-10	6-18			
TEXTURE	.1941 (a)(1)	c	sc	scl	sl	scl	sc	sc			
CONSISTENCE	.1941	vfi	fi	fi	fr	fi	vfi	vfi			
STRUCTURE	.1941 (a)(2)	m	sbk	sbk	gr	sbk	m	m			
CLAY MINERALOGY	.1941 (a)(3)	e	se	se	-	se	e	e			
HORIZON 3 DEPTH	.1943	24+	19-56	9-50+		23-48+	10-48	18-48			
TEXTURE	.1941 (a)(1)		sl	ls		ls	sl	sl			
CONSISTENCE	.1941		fr	fr		fr	fr	fr			
STRUCTURE	.1941 (a)(2)	m	gr	gr		gr	gr	gr			
CLAY MINERALOGY	.1941 (a)(3)		-	-		-	-	-			
HORIZON 4 DEPTH	.1943										
TEXTURE	.1941 (a)(1)										
CONSISTENCE	.1941										
STRUCTURE	.1941 (a)(2)										
CLAY MINERALOGY	.1941 (a)(3)										
SOIL WETNESS	.1942	8	8			7	9	10			
RESTRICTIVE HORIZON	.1944	24									
SAPROLITE	.1943/.1956		19	8	12	23	10	18			
CLASSIFICATION	.1948	u	ps	ps	ps	ps	ps	ps			
L.T.A.R. (gpd/ft^2)	.1955										

OTHER FACTORS (.1946):		**SITE LTAR (gpd/ft^2):**	**0.4**
AVAILABLE SPACE (.1945):	provisionally suitable		
SITE CLASSIFICATION (.1948):	provisionally suitable	SYSTEM TYPE:	Saprolite System
EVALUATED BY:	Larry Thompson	OTHERS PRESENT:	
COMMENTS:	Obtained saprolite samples from Pits 2-7 for soil particle analysis		

LOT # 19

PENNSTATE

(814) 863-0841 Fax (814) 863-4540
Agricultural Analytical Services Laboratory
The Pennsylvania State University
University Park PA 16802
http://www.aasl.psu.edu

SOIL TEST REPORT FOR:		ADDITIONAL COPY TO:
MR LARRY THOMPSON THOMPSON ENVIRONMENTAL CONSULTING INC. 114 ORCHARD RIDGE RD LOCUST NC 28097		
DATE RECEIVED	DATE COMPLETE	COUNTY
11/01/2007	11/06/2007	OUT OF STATE

Particle Size Analysis

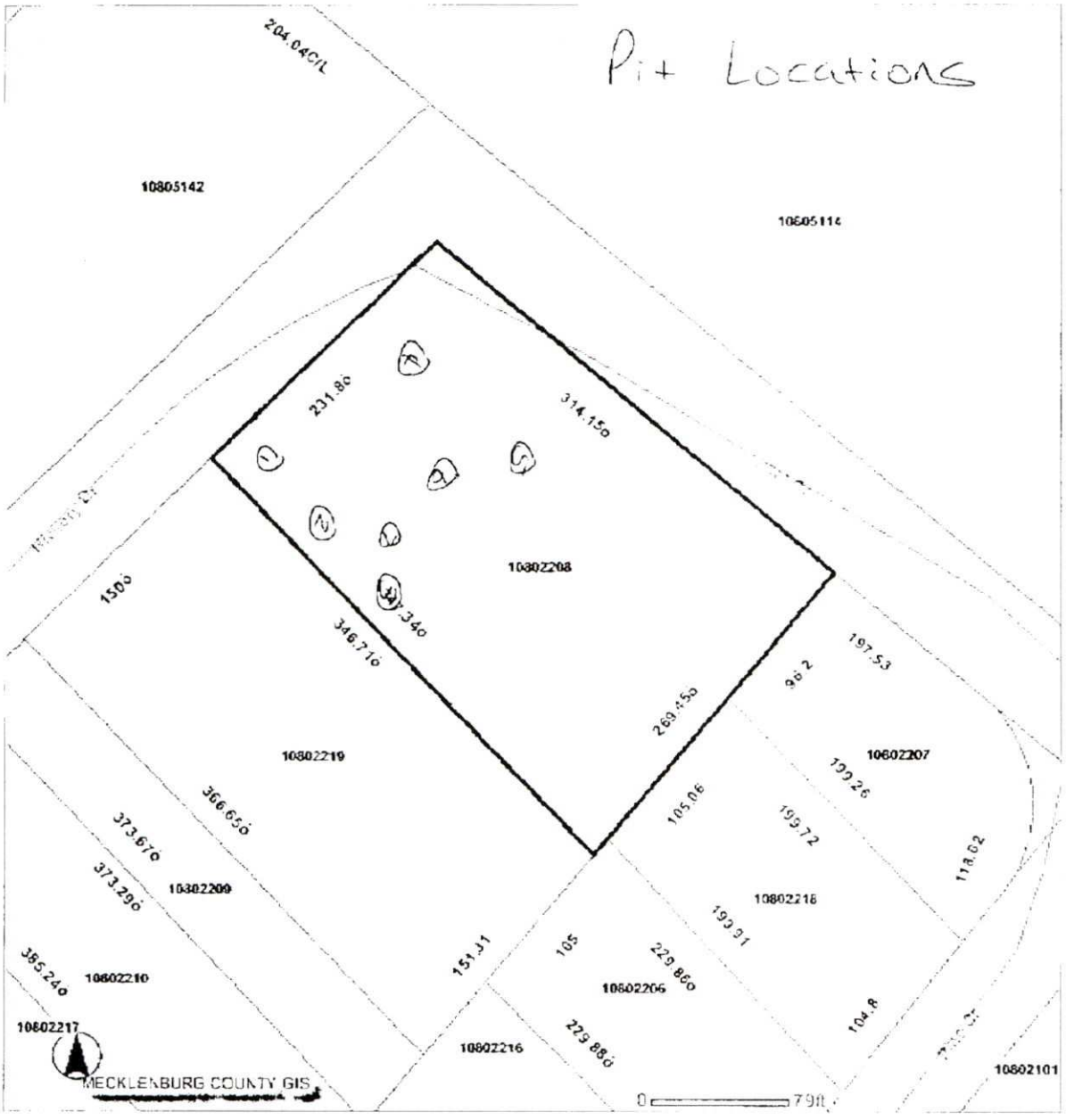
Customer ID	Lab ID	Sand %	Silt %	Clay %	Soil Textural Class
HICKORY ACRES-LOT 19 PIT 2 30"	S07-13358	71.6	16.1	12.3	Sandy Loam
HICKORY ACRES-LOT 19 PIT 5 30"	S07-13359	81.2	10.3	8.5	Loamy Sand
HICKORY ACRES-LOT 19 PIT 4 36"	S07-13360	67.1	21.9	11.0	Sandy Loam
HICKORY ACRES-LOT 19 PIT 3 34"	S07-13361	79.4	13.7	6.9	Loamy Sand

Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Sun Nov 11 2007 21:29:11 GMT-0500 (Eastern Standard Time)



This map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, planimetric maps, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information contained herein.