

13749 PETWORTH CT

19934205

1/10/2008

duponbj

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

L25
L24
L23
L22
L21
10142 × 582.35 GS
10141 × 576.18 GS
10143 579.55 GS
10144 × 585.70 GS
10082 599.48 GS
× 602.96 GS
10083 × 596.76 GS
× 608.42 GS
10081 607.55 GS
10077 610.10 GS
10078 610.74 GS
10079 610.96 GS
10080 × 605.95 GS
PARTIAL ASPHALT
3"x 100'
3"x 100'
3"x 100'
3"x 100'
SOIL ROAD
610
75gal WASH BOX
D-BOX
TYPE II d PRETREATMENT DRIP REPAIR AREA
WOODED AREA
10066 × 601.44 GS
10065 × 606.50 GS
10067 × 590.86 GS
10068 × 583.91 GS
10154 567.98 GS
10155 × 567.56 GS
10156 × 567.75 GS
10145 576.83 GS
10146 × 573.00 GS
10149 569.63 GS
10152 × 574.70 GS
10057 580.12 GS
10058 × 581.06 GS
10059 588.11 GS
10060 599.37 GS
10061 606.31 GS
10056 × 582.44 GS
10055 × 585.02 GS
10054 597.47 GS
10053 × 606.32 GS
10052 × 612.76 GS
10042 × 610.98 GS
10043 × 602.09 GS
10044 GS
10045 × 599.28 GS
10046 × 598.85 GS
10047 × 602.81 GS
10048 × 608.22 GS
10181 × 612.36 GS
10182 × 611.50 GS
10040 618.26 GS
10041 × 618.85 GS
10021 618.59 GS
10018 × 618.31 GS
10019 × 615.10 GS
10022 × 615.74 GS
10017 × 613.52 GS
10016 × 608.31 GS
10014 × 604.97 GS
10015 × 599.12 GS
10012 × 588.96 GS
10011 × 580.53 GS
10013 595.17 GS
10024 601.10 GS
10037 × 604.85 GS
10038 × 612.51 GS
10039 × 616.33 GS
10023 × 611.06 GS
10036 × 591.83 GS
10035 588.94 GS
10567 × 597.05 GS
10568 599.65 GS
10565 × 586.42 GS
10566 588.99 GS
10506 × 575.81 GS
10049 × 614.19 GS
10050 × 606.01 GS
10169 × 566.97 GS
10168 × 567.17 GS
10162 567.77 GS
10160 × 574.32 GS
10166 × 572.57 GS
10164 × 584.41 GS
10163 × 586.45 GS
10159 × 585.21 GS
0170 67.21 S
0194 595.62 GS
570
580
590
600
610
626.43' (TOTAL)
S 16°49'00" W
245.39'
TREE LINE CUT FOR UTILITY MAINTENANCE
FOUND 1/2" REBAR
FOUND 1/2" REBAR
SUBJECT PARCEL
NO. 19934205
MAP 17, PAGE 601
WOODED AREA
HOUSE #1
8,500 SF
HOUSE 2
4,000 SF
SOIL ROAD
20' SETBACK
REMNANT OF UTILITY SERVICE LINE LYING ALONG GROUND
PROPOSED WELL SITE
25
DRIVEWAY
SLEEVE SUPPLY LINE
PT
ST
Limits
from
PET

480 GPD - 4BR

LTAR 0.3 GPD/FT^2

TYPE III b SYSTEM

PUMP, AT-GRADE 25% REDUCTION

INSTALL 14" ON CONTOUR

WILL REQUIRE 10" SOIL CAP EXTENDING 5 FT (MINIMUM) BEYOND DRAINFIELD AREA.

1500 GAL ST

1000 GAL PT

SLEEVE SUPPLY LINE WHEN CROSSING DRIVEWAY

TYPE IV(d) REPAIR AREA

Christopher M Stenulf 10/6/06

Signature Date

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 #: **30001447** GWS File #: **6713B** Tax Parcel #: **199-342-05**

- 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):** 10/6/2011

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

Structure Type: HOUSE Size (ft^2): 4000 # Bedrooms: 4 # Occupants: 3

Building Foundation: Basement With Plumbing Water Supply: Private Well

II. Initial System Type: Pump to Innovative or Experimental **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	480	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):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	14	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: Pretreatment with Drip Irrigation **System Classification:** Vd

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.1	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	1	Trench Spacing (ft):	2	Absorption Area (ft^2):	1920	Total Trench Length (ft):	960
Maximum Trench Depth (in):	11	Depth of Media (in):	N/A	Distribution Device:	Headworks (Drip Irr.		

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: Chris Sherrill

Signature: Christopher M Sherrill

Date Issued: 10/6/2006

Owner/Legal Agent: _____
Print Name

Signature: _____

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
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IV. Permit Conditions/Comments:

- Owner agreement forms for site reclassification shall be on file prior to issuance of Construction Authorization.
- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- Additional soil cover, as specified on the plot plan, required over the drain field must be inspected and approved prior to issuance of an Operation Permit.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- The supply pipe shall be installed with a minimum of 30" of compacted cover over the pipe or properly sleeved under areas that are subject to vehicular traffic.

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Signature: _____

Date Issued: 10/6/2006

Owner/Legal Agent: _____
Print Name

Signature: _____

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

Sheet: 1 of 2
Property ID: 199-342-05
Lot #: 2
File #: 6713B
Code: 1

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Lexi Layne, LLC
Applicant:
Address: 108 Main St., Pineville, NC 28134
Date Evaluated: 9/19/2006
Proposed Facility: Residence
Design Flow (.1949): 480 gpd
Property Size: 4.64a
Location of Site: 13749 Petworth Court
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	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS,6	0-4	SBK/SL	FR/NS/NP/SEXP	>26" TO SOIL WETNESS	26	NA	NA	PS,IV
		4-26	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
2	"	0-3	SBK/SL	FR/NS/NP/SEXP	>30" TO SOIL WETNESS	30	"	"	"
		3-30	SBK/C	FI/S/P/SEXP					
3	"	0-5	SBK/SL	FR/NS/NP/SEXP	>29" TO SOIL WETNESS	29	"	"	"
		5-29	SBK/C	FI/S/P/SEXP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)		
Site LTAR	.3 GPD/FT^2	.1 GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): Provisionally Suitable
Evaluated By: Chris Sherrill, RS, LSS 10/6/06
Others Present: Mike Necogia

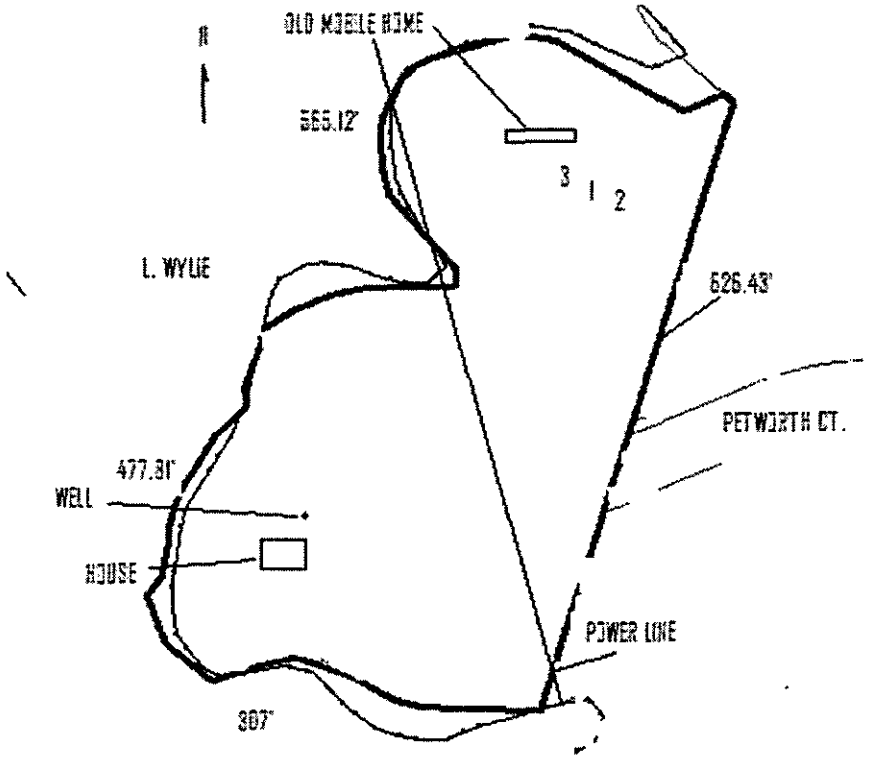
Christopher M. Sherrill

COMMENTS: 100% Repair Area Required

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-Food 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

Sheet: 1 of 2
Property ID: 199-342-05
Lot #:
File #: 6713B
AppID:
Code: 2

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for ON-SITE WASTEWATER SYSTEM

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Applicant:
Address: 108 Main St., Pineville, N. C. 28134
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Design Flow (.1949): 480gpd
Property Size: 4.64a
Location of Site: 13749 Petworth Court
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, 15	0-7	GR/SL	FR/SEXP/NS/NP	>40" TO SOIL WETNESS	40	N/A	NONE	PS, IV
		7-23	SBK/C	FI/SEXP/S/P					.35GPD/FT^2
		23-40	SBK/SCL	FR/SEXP/SS/SP					
2	LS, 20	0-5	GR/L	FR/SEXP/NS/NP	>48" TO SOIL WETNESS	48+	"	"	"
		5-21	SBK/C	FI/SEXP/S/P					
		21-48	SBK/CL	FR/SEXP/SS/SP					
3	LS, 15	0-3	GR/SCL	"	"	"	"	"	"
		3-21	SBK/C	FI/SEXP/S/P					
		21-48	SBK/CL	FR/SEXP/SS/SP					
4	LS, 10	0-3	GR/SCL	"	>26" TO SOIL WETNESS	26	"	"	US, IV
		3-26	SBK/C	FI/SEXP/S/P					.1GPD/FT^{2}LPP
5	LS, 15	0-8	GR/SL	FR/SEXP/NS/NP	>23" TO SOIL WETNESS	23	"	"	US, IV
		8-23	SBK/C	FI/SEXP/S/P					.2GPD/FT^{2}LPP
6	LS, 20	0-12	GR/SL	FR/SEXP/NS/NP	>26" TO SOIL WETNESS	26	"	"	"
		12-26	SBK/C	FI/SEXP/S/P					

Description	Initial System	Repair System
Available Space (.1945)	US	
System Type(s)		
Site LTAR	.2GPD/FT^2	

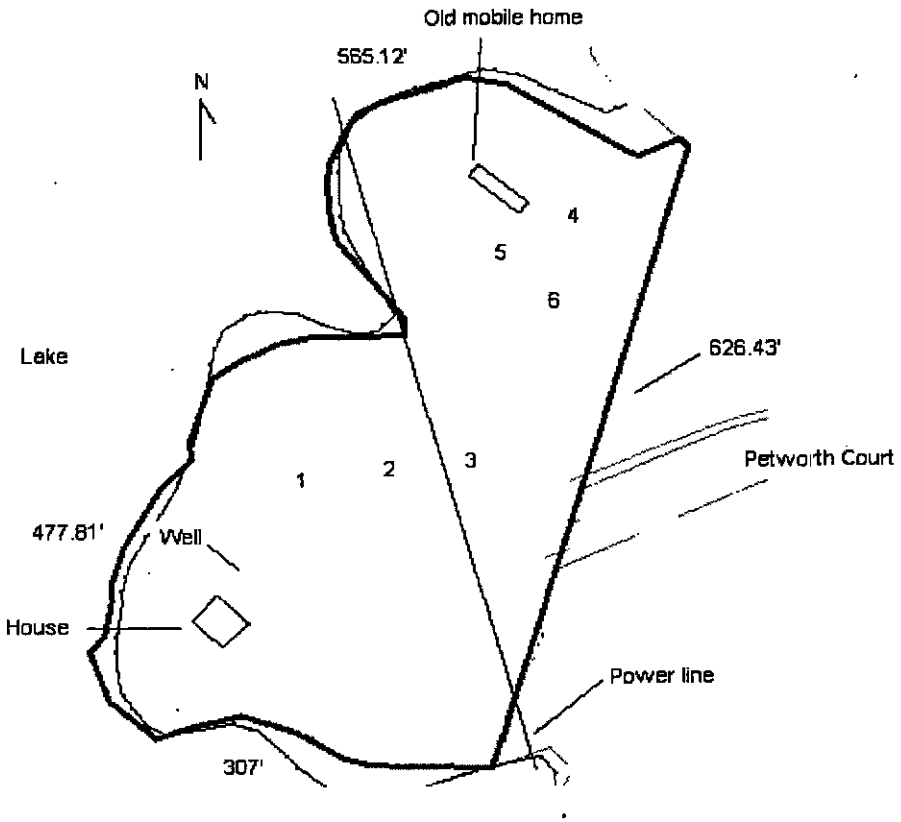
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 9/13/2006,
Others Present:

COMMENTS:
Not sure if 100% repair required

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
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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



GUEST HOUSE

1447

GWS – RES. APP 07/05

SEPTIC FEE: ~~300~~ 205 CHK
DATE: 8/10/06
CRT [ ] 3C

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

FILE # 6713B

WELL FEE: _____
DATE: _____
CRT [ ]

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☐ NONE ☑ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:

TAX/PARCEL #: 19934205 PO
STREET ADDRESS: 13749 PETWORTH COURT
CITY: CHARLOTTE
STATE: NC ZIP: 28278
SUBDIVISION OR MOBILE HOME PARK NAME: N/A
LOT #:
TOWNSHIP:

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

BUILDING INFORMATION:

TYPE OF BUILDING:

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

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

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☑ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: 4 NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: 6
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☑ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES ☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES ☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES ☑ NO	DESIGNATED WETLANDS	☐ YES ☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES ☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES ☑ NO

PROPERTY OWNER:

NAME: LEXI LAYNE, LLC
ADDRESS: 108 MAIN STREET
CITY: PINEVILLE
STATE: NC ZIP: 28134
HOME PHONE: N/A WORK PHONE: (704) 644-5672
MOBILE PHONE: N/A FAX: (704) 889-2345

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? MAY 9, 1977 03952-428 L44 M117-601
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? SEPTEMBER 2006

*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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature 8-10-06 Date

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

*A Well 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 the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

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