Supervisor/Administrative Professional Checklist

New Septic ☑ **New Well** ☐ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP ($250.00) pd _____ Initials/Date

CA ($200.00) lw 9/30/14 Initials/Date

OP ($200.00) lw 9/30/14 Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ SAM 10/2/14

Please generate CA dated 10/2/14.

This site is served by septic and well. Verify each is complete before final hold is released. ☐

Septic file completed. ☐ _____ Well file completed. ☐ _____

Send permit for signature. ☐ Signature received. ☑ _____

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ _____

#1500 9/27/06 CK # 2511 $200 mcb

GWS – RES. APP 07/05

SEPTIC FEE: _____
DATE: _____
CRT [ ]

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

WELL FEE: _____
DATE: _____
CRT [ ]

FILE # 6825B

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 #: 113-223-59
STREET ADDRESS: 5509 Plantation Ridge Rd.
CITY: Charlotte
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #: 15 River Walk Plantation
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: 2,400 sq.
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 4

FOUNDATION FOR RESIDENCE: partial, garage

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

WATER SUPPLY:

☐ MUNICIPAL (M) ☑ PUBLIC (C) well, community ☐ 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: Robert Greene
ADDRESS: PO Box 16111
CITY: Charlotte, N.C.
STATE: ZIP: 28297
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-804-9657 FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Tim Whittaker
ADDRESS: 1112 Queensgate St.
CITY: Gastonia
STATE: NC ZIP: 28054
HOME PHONE: 704 826-9540 WORK PHONE:
MOBILE PHONE: 704 830-4344 FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? Oct. 1998
WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? Oct. 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.

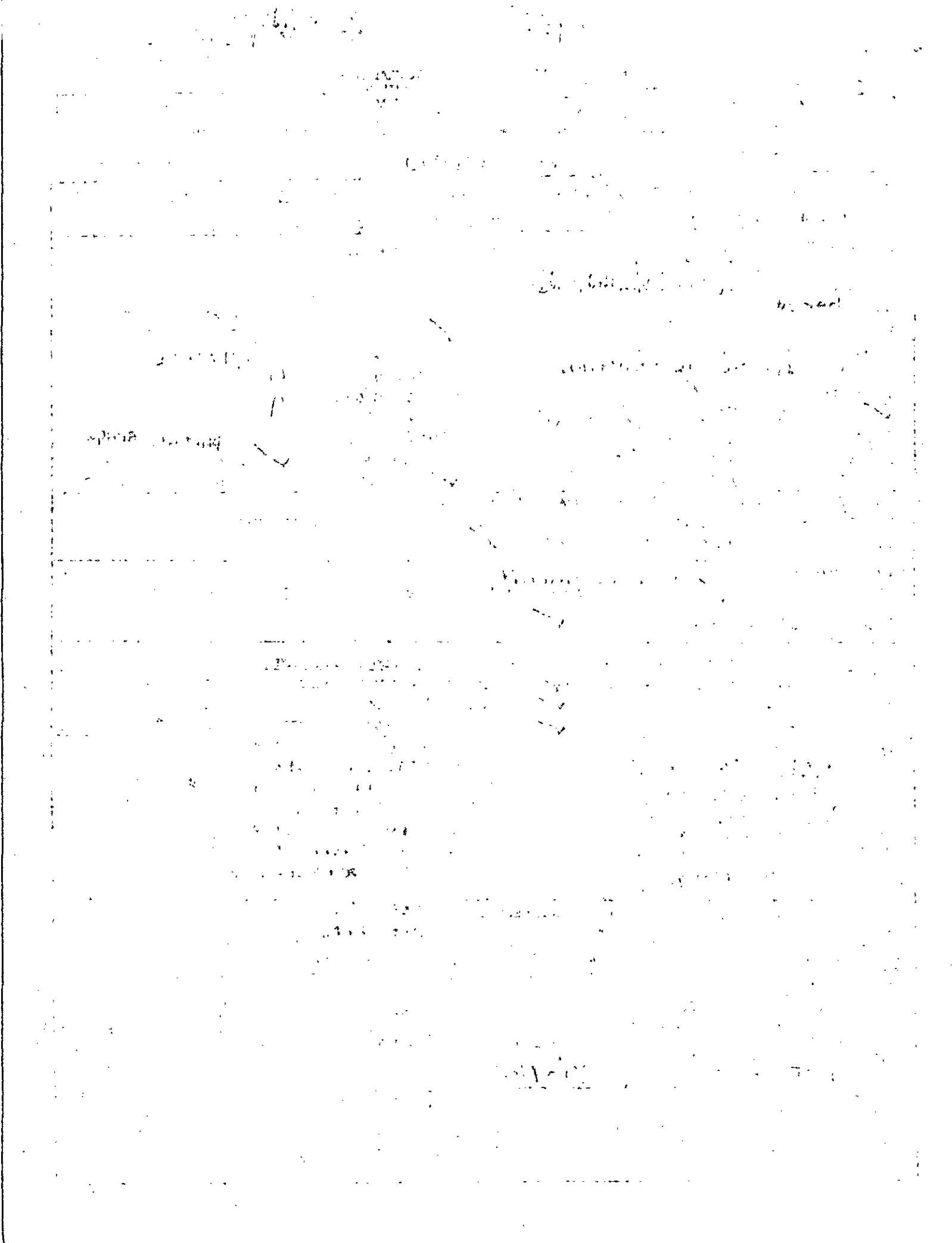
Robert E Greene 9/21/06
Owner's/Agent's Signature Date

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



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

Sheet: 1 of 3
Property ID: 113-223-59
Lot #: 15
File #: 6825B
Code: 2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Robert Greene
Applicant: Tim Whittaker
Address: PO Box 16111, Charlotte, NC 28297
Date Evaluated: 10/10/2006
Proposed Facility: Residence
Design Flow (.1949): 480 gpd
Property Size:
Location of Site: 5509 Plantation Ridge Road
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] 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		OTHER PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr. Horiz	
1	LS,12	0-2	GR/L	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NA	PS,IV
		2-40	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		40-48	SBK/CL	FR/S/P/SEXP					
2	"	0-5	GR/L	FR/SS/SP/SEXP	>45" TO SOIL WETNESS	45	"	"	"
		5-37	SBK/C	FI/S/P/SEXP					
		37-45	SBK/CL	FR/S/P/SEXP					
3	LS,8	0-2	GR/L	FR/SS/SP/SEXP	>37" TO SOIL WETNESS	37	"	"	"
		2-30	SBK/C	FI/S/P/SEXP					
		30-37	SBK/SCL	FR/S/P/SEXP					
4	"	0-10	GR/L	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	"	"	"
		10-48	SBK/C	FI/S/P/SEXP					
5	"	0-2	GR/L	FR/SS/SP/SEXP	>38" TO SOIL WETNESS	38"	"	"	"
		2-22	SBK/C	FI/S/P/SEXP					
		22-38	SBK/CL	FR/S/P/SEXP					

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

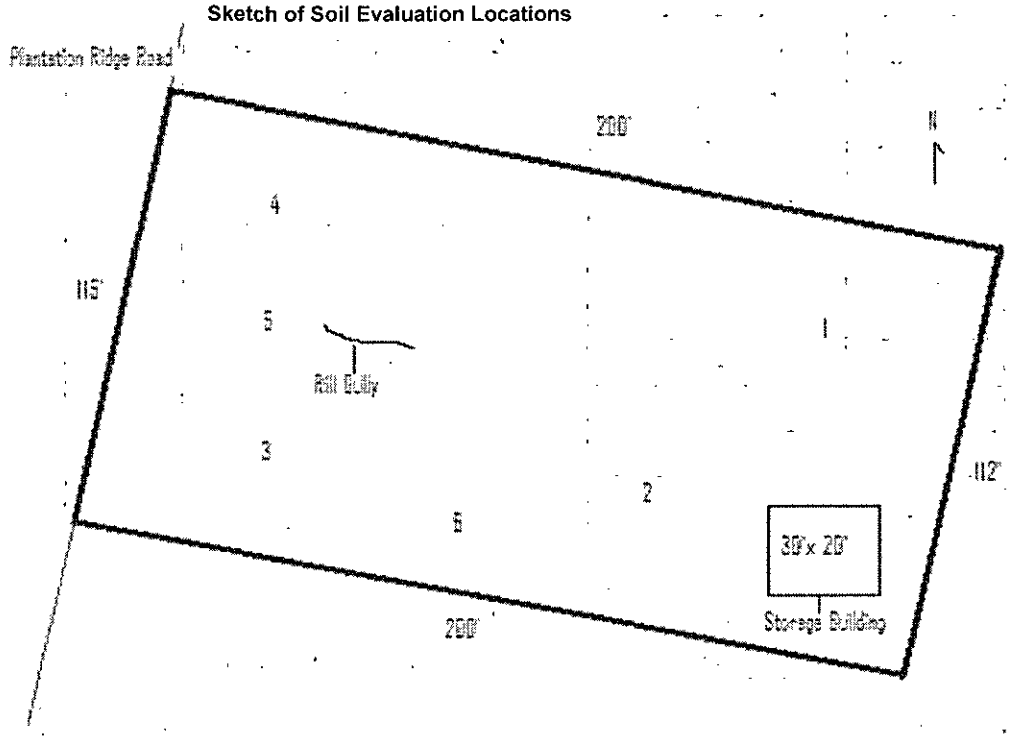
Other Factors (.1946):
Site Classification (.1948): Unsuitable
Evaluated By: Chris Sherrill, RS, LSS 10/11/06
Others Present: No

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		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 #: 6825B

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
6	LS,10	0-6	GR/CL	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NA	PS,IV
		6-30	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		30-48	SBK/CL	FR/S/P/SEXP					

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 #: **30001500** GWS File #: **6825B** Tax Parcel #: **113-223-59**

- 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):** 10/18/2011

Type of Installation: Residential - New System Lot Number: 15

Structure Type: HOUSE Size (ft^2): 2400 # Bedrooms: 4 # Occupants: 4

Building Foundation: Basement With Plumbing Water Supply: Community

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):	30	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

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

Repair 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):	801	Total Trench Length (ft):	267
Maximum Trench Depth (in):	30	Depth of Media (in):	24	Distribution Device:	Manifold (LPP Distri		

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: Chris Sherrill

Date Issued: 10/18/2006

Owner/Legal Agent: Tim Whittaker

Print Name

Signature: Tim Whittaker

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 #: **30001500** GWS File #: **6825B**

IV. Permit Conditions/Comments:

- 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.
- 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.

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:

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- 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: 10/18/2006

Owner/Legal Agent: Tim Whittaker
Print Name
Signature: T. Whittaker



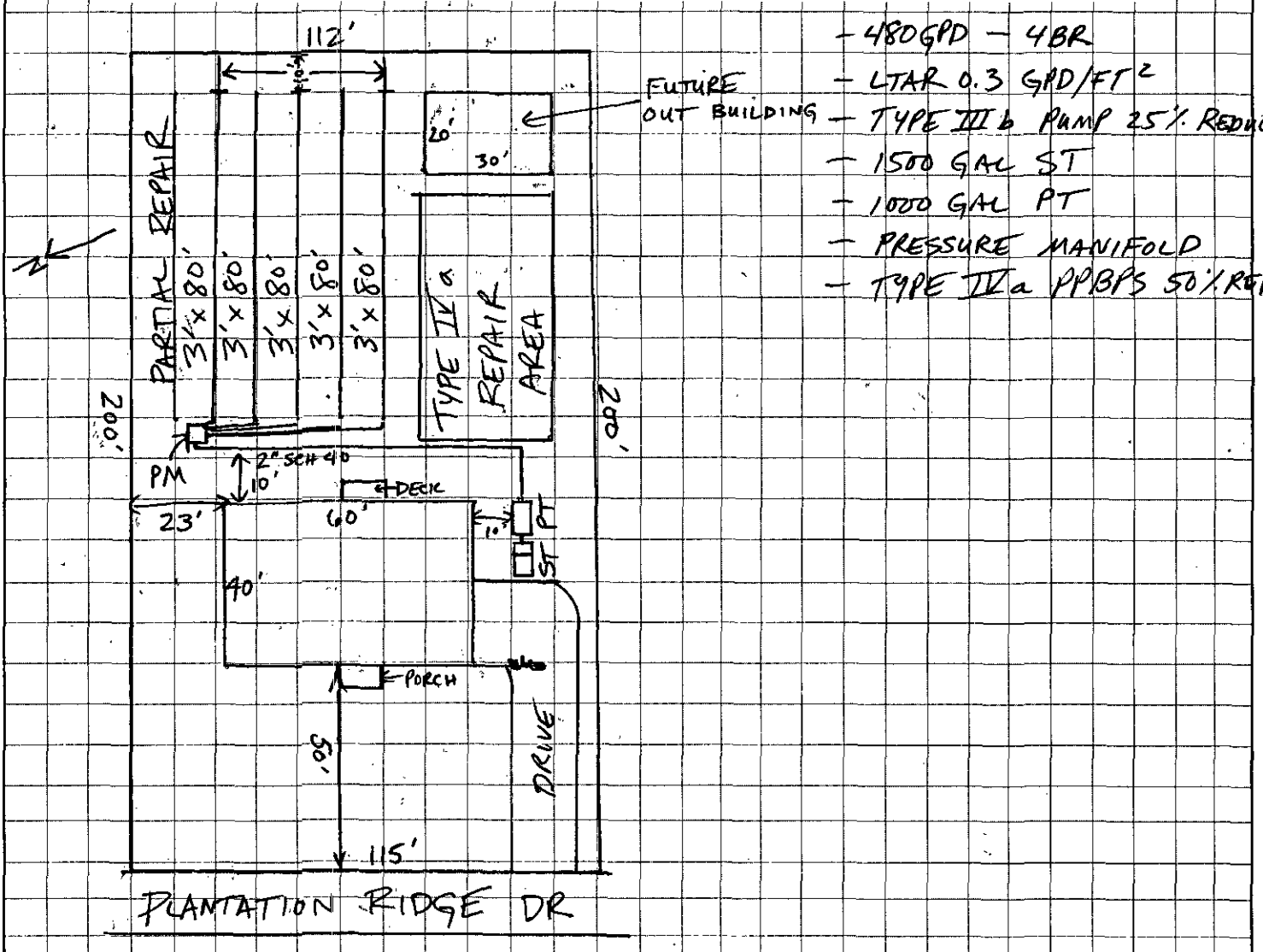
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

FILE: 6825B

TC: 113-223-59

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.



- 480 GPD — 4 BR
- LTAR 0.3 GPD/FT²
- TYPE III b PUMP 25% REDUCTION
- 1500 GAL ST
- 1000 GAL PT
- PRESSURE MANIFOLD
- TYPE IV a PPBPS 50% REPAIR

SCALE — 1" = 40'

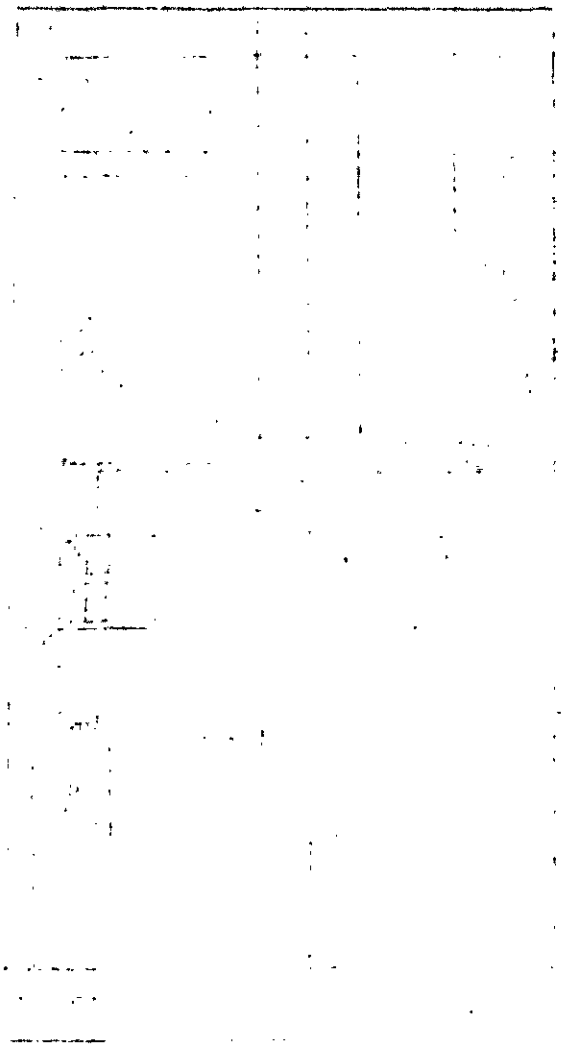
T. Whittaker
OWNER/AGENT SIGNATURE

DATE 12/15/06

APPROVAL DATE 10/26/06

Christopher M. Sherrill, RS, LSS

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



s

FEE: 200.00
DATE:12/31/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 6825B

PERMIT NUMBER: 30001500

PARCEL NUMBER: 11322359

JOB LOCATION INFORMATION

ADDRESS: 5509 PLANTATION RIDGE RD

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28214

ISSUED TO: Robert Greene

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/2/2014

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30001500, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

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

Septic System Pre-Construction Meeting Checklist

File # 608258 App # 1500 Tax Parcel # 113-223-59

Property Owner: Jeff BLAIR

Job Location Address: 5509 Plantation Ridge Drive

City: Charlotte State: NC Zip Code: 28214

1. Does System design match facility, flow & wastewater characteristics?

   ☒ YES ☐ NO

   Comments: _____

2. Is there sufficient available space for the septic systems initial and repair areas?

   ☒ YES ☐ NO

   Comments: _____

3. Can the septic system be installed per the permit conditions and drawing on file?

   ☒ YES ☐ NO

   Comments: _____

* If "NO" is checked for any of the above the existing permit may need to be revoked.

Permission is hereby given to ☐ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. **System shall not be installed while soils are in wet condition.**

Authorized Agent — Date: 5/18/15

Others Present

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

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

File #: 6825B Permit #: _____ Tax Parcel #: 113 223 59

Property Owner: Jeff Blair

Job Location Address: 5509 Plantation Ridge Drive

City: Charlotte State: NC Zip Code: _____

Operation Permit Issuance Date: 12/29/15 Contractor Name: Trent Rhea

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: 1000 gallons

Liquid Capacity of Septic Tank: 1500 gallons Manufacture Dellinger Effluent Pump Model: Hydromatic 1/2 hp

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 5 @ 80 feet

Depth of Media: 12 inches (Type) EZ Flow

Depth of Cover: 24 inches

Distribution Device: pressure manifold

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: 25 feet

Distance from Property Line: 10 feet * 100' community well

Distance from Water Supply Source: 10 feet

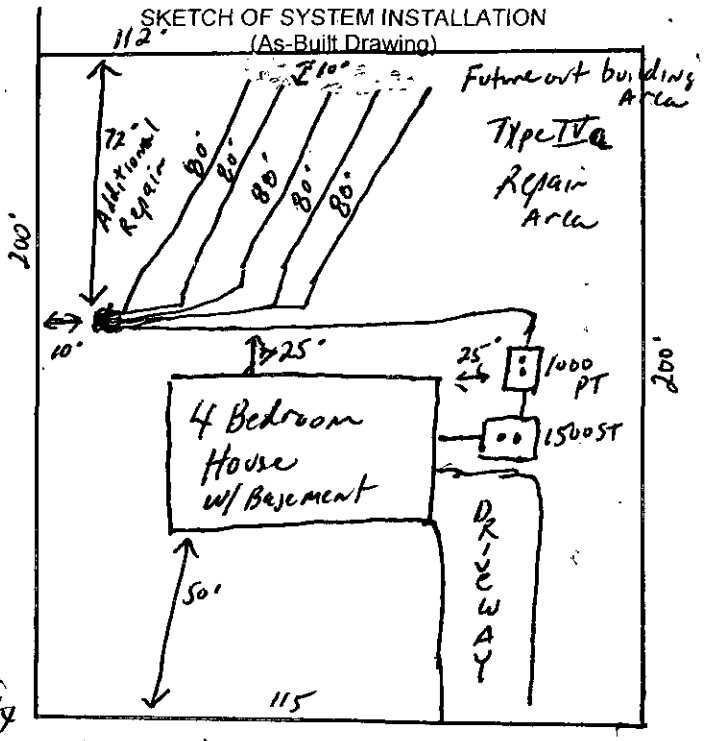
Inspection Dates

Tank(s) Inspected: 5/18/15 J Mitchell

Excavation Inspected: 5/19/15

Pump & Controls Inspected: 12/29/15 (JOM)

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: IIIb EZ 1000ST, P, NA, NA

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS



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 #: 6825B Permit #: _____ Tax Parcel #: 113 22359

Property Owner: Jeff Blair

Job Location Address: 5509 Plantation Ridge Drive

City: Charlotte State: NC Zip Code: _____

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIb

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☑

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☑ System does not require inspection by GWS on a routine frequency.

☑ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: Pump to EZ Flow

DENR Authorized Agent: Philo Walker Date: 12/29/15

Signature: Philo Walker REHS

Sader, Linda

From: Sader, Linda
Sent: Wednesday, July 09, 2014 9:55 AM
To: 'Kim Harrill'
Subject: RE: Emailing: Jeff Blair Floor Plann
Attachments: 5509 Plantation Ridge Dr.pdf

Kim,

Permit attached.

Linda W. Sader
Mecklenburg County Health Department
Environmental Management and Support Services Clerk to the Groundwater Advisory Committee
700 N. Tryon St., Suite 211
Charlotte, NC 28202
704-336-7291 (Phone) 704-336-6894 (Fax) Linda.Sader@MecklenburgCountyNC.gov

----Original Message-----
From: Kim Harrill [mailto:kharrill@johnsonandassociates.net]
Sent: Tuesday, July 08, 2014 4:09 PM
To: Sader, Linda
Subject: FW: Emailing: Jeff Blair Floor Plann

<<Jeff Blair Floor Plann.pdf>>

Hi Linda, here is the floorplan for Jeff Blair house at 5509 Plantation Ridge Dr in Charlotte. File #6825B. I will have Jeff to send the $400 but I would like for you to email me a copy of the permit so that we can see the type of system proposed. Thank you so much!

Thank You,

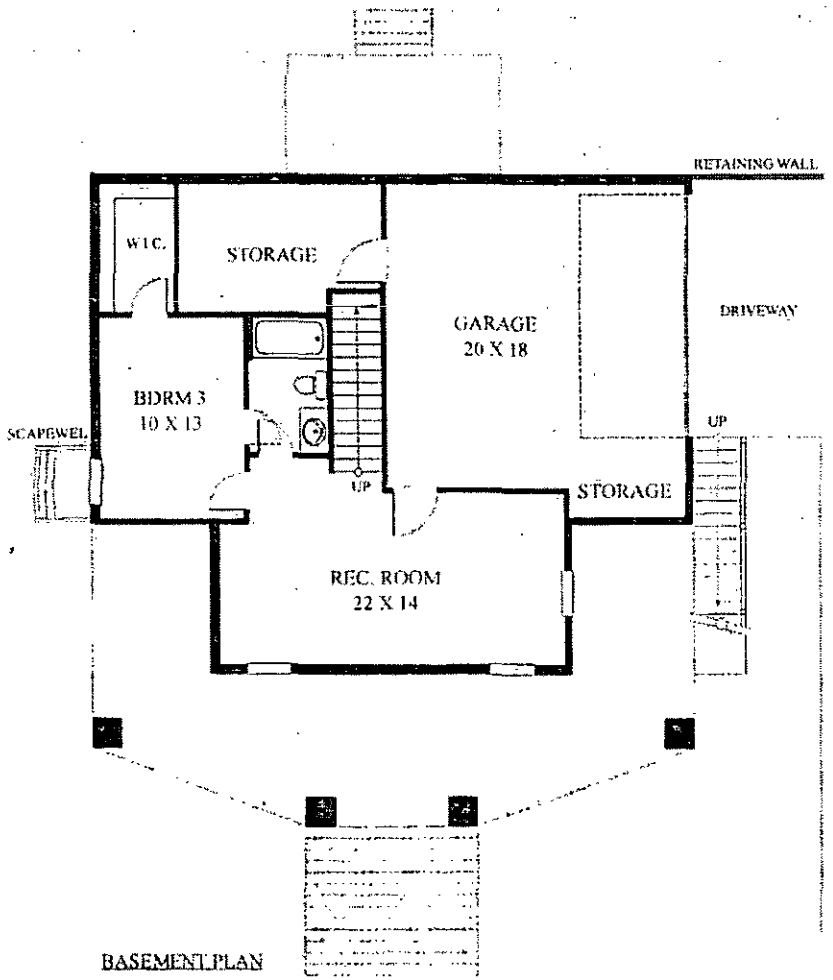
Kim Harrill
Sales Manager
Johnson Homes
704-718-9100
www.johnsonhomesusa.com

The message is ready to be sent with the following file or link attachments:

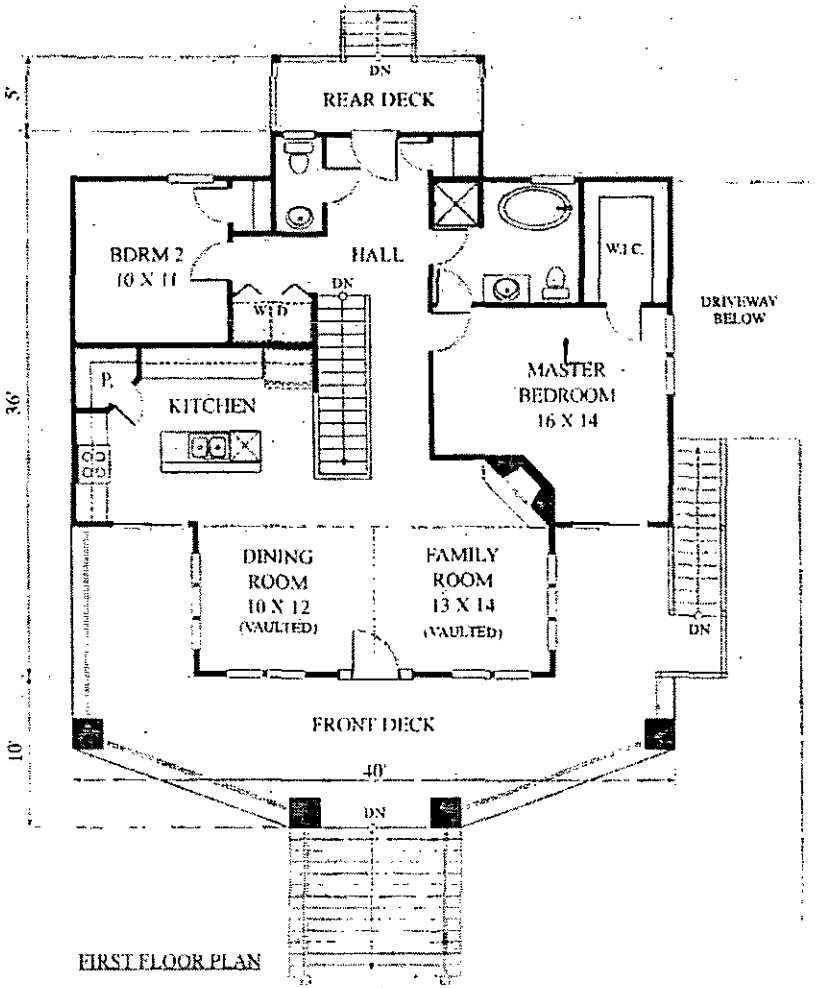
Jeff Blair Floor Plann

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.

5509 Plantation Ridge Dr.
File # 6825B



BASEMENT PLAN



FIRST FLOOR PLAN

BASEMENT	540 SF
FIRST FLOOR	1,200 SF
TOTAL	1,740 SF
GARAGE	417 SF

JEFF BLAIR RESIDENCE

JOHNSHON HOMES
611 EAST ACADEMY STREET
CHERRYVILLE, NC 28021
(704) 445-6602

137-02'

APRIL 29, 2014

JAMES WENTLING / ARCHITECTS
100 SOUTH BROAD STREET
SUITE 1524
PHILADELPHIA, PA 19110
(215) 568-2551



5509 PLANTATION RIDGE RD

11322359

1/11/2008

duponbj

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

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

Sheet: 1 of 3
Property ID: 113-223-59
Lot #: 15
File #: 6825B
Code: 2

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Robert Greene
Applicant: Tim Whittaker
Address: PO Box 16111, Charlotte, NC 28297
Date Evaluated: 10/10/2006
Proposed Facility: Residence
Design Flow (.1949): 480 gpd
Property Size:
Location of Site: 5509 Plantation Ridge Road
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] 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		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
1	LS,12	0-2	GR/L	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NA	PS,IV
		2-40	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		40-48	SBK/CL	FR/S/P/SEXP					
2	"	0-5	GR/L	FR/SS/SP/SEXP	>45" TO SOIL WETNESS	45	"	"	"
		5-37	SBK/C	FI/S/P/SEXP					
		37-45	SBK/CL	FR/S/P/SEXP					
3	LS,8	0-2	GR/L	FR/SS/SP/SEXP	>37" TO SOIL WETNESS	37	"	"	"
		2-30	SBK/C	FI/S/P/SEXP					
		30-37	SBK/SCL	FR/S/P/SEXP					
4	"	0-10	GR/L	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	"	"	"
		10-48	SBK/C	FI/S/P/SEXP					
5	"	0-2	GR/L	FR/SS/SP/SEXP	>38" TO SOIL WETNESS	38"	"	"	"
		2-22	SBK/C	FI/S/P/SEXP					
		22-38	SBK/CL	FR/S/P/SEXP					

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

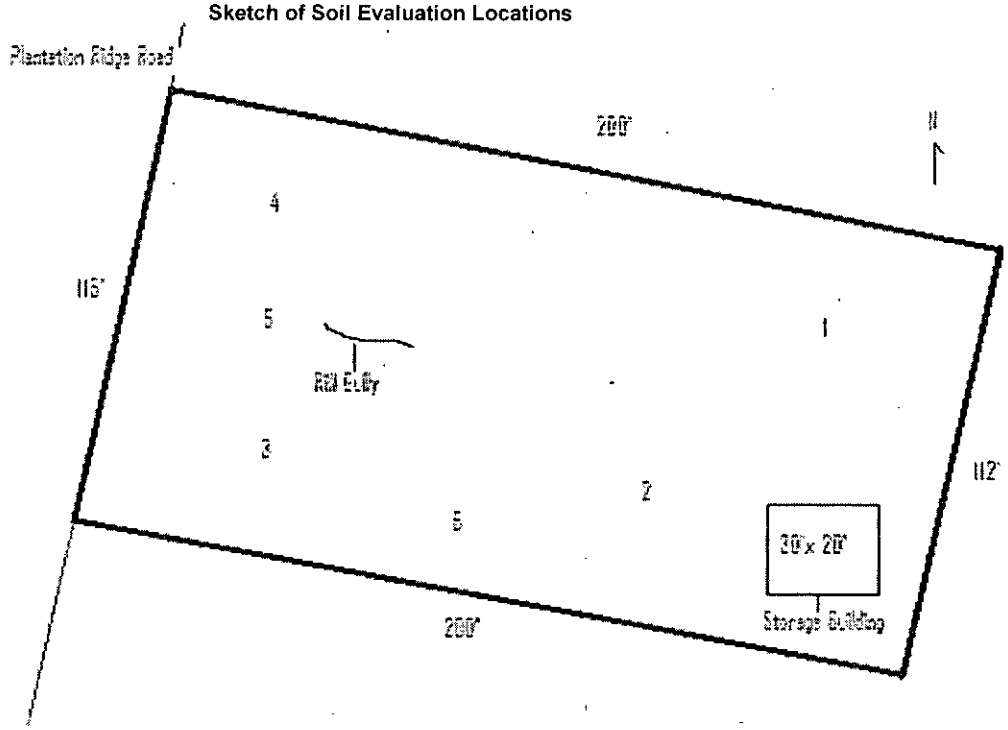
Other Factors (.1946):
Site Classification (.1948): Unsuitable
Evaluated By: Chris Sherrill, RS, LSS, 10/11/06
Others Present: No

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		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 #: 6825B

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
6	LS,10	0-6	GR/CL	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NA	PS,IV
		6-30	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		30-48	SBK/CL	FR/S/P/SEXP					

10/26/06

TO: Chris Sherrill, LSS, R.S.

From: Whittaker

RE: Lot 15 River Walk Plantation

Revised House Placement & House Dimensions.

Fx. cover plus 1 pg. . . . plot plan

Chris: See if this works . . .

Also, I don't have a file number, it was not yet assigned when application was made.

Thanks,

T. Whittaker

704 866-9540

704 830-4344

(4) Bedrm. Septic Sys. Proposal

M.C.H.D.

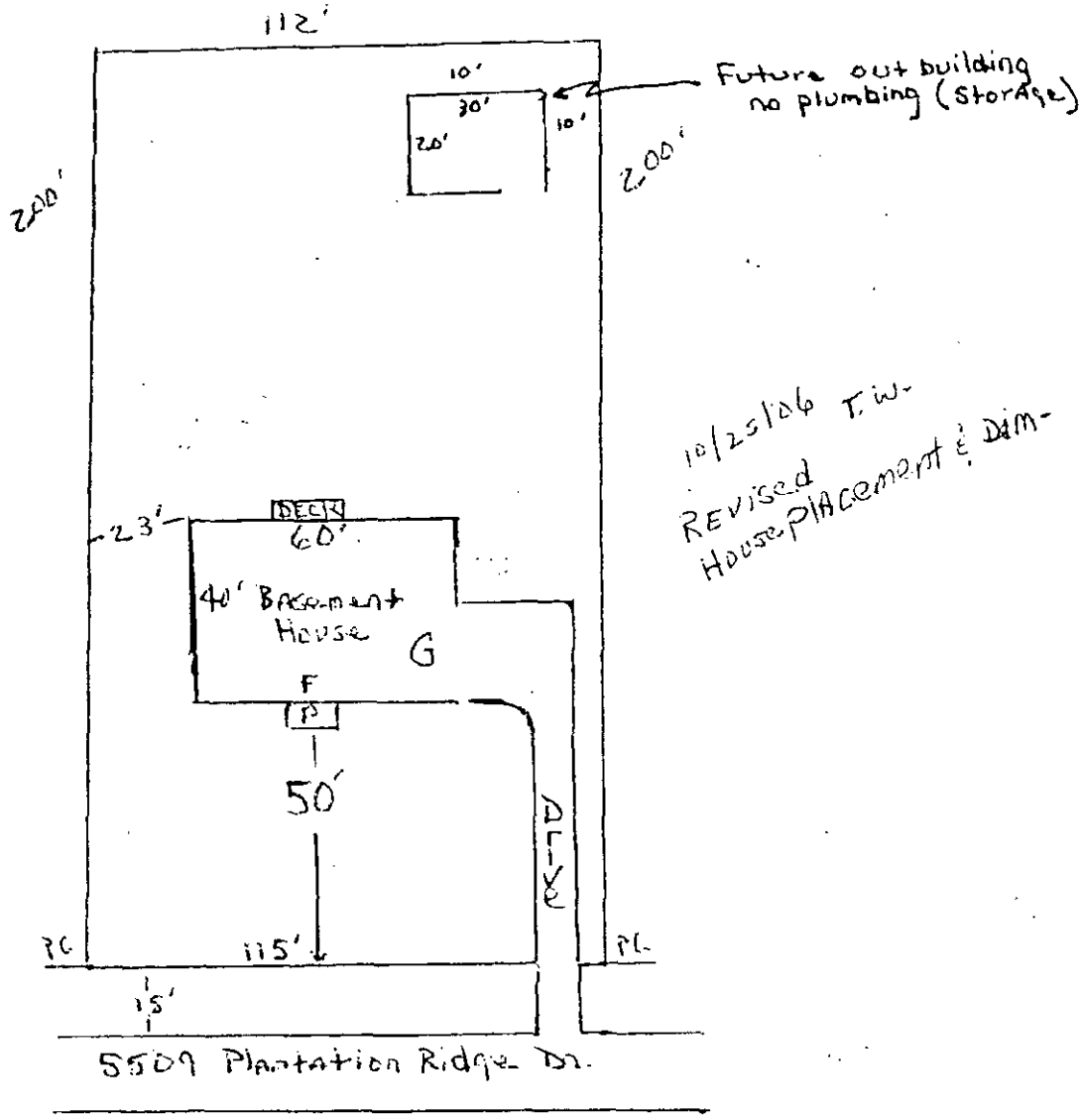
File:

Parcel: 113-223-

Lot 15

River Walk Plantation Sub.

Plot Plan



10/25/06 T.W.
Revised
House PLACEMENT & DIM-

9/25/06
T. Whittaker
704 866-9540
S/40

M.C.H.D.

File:

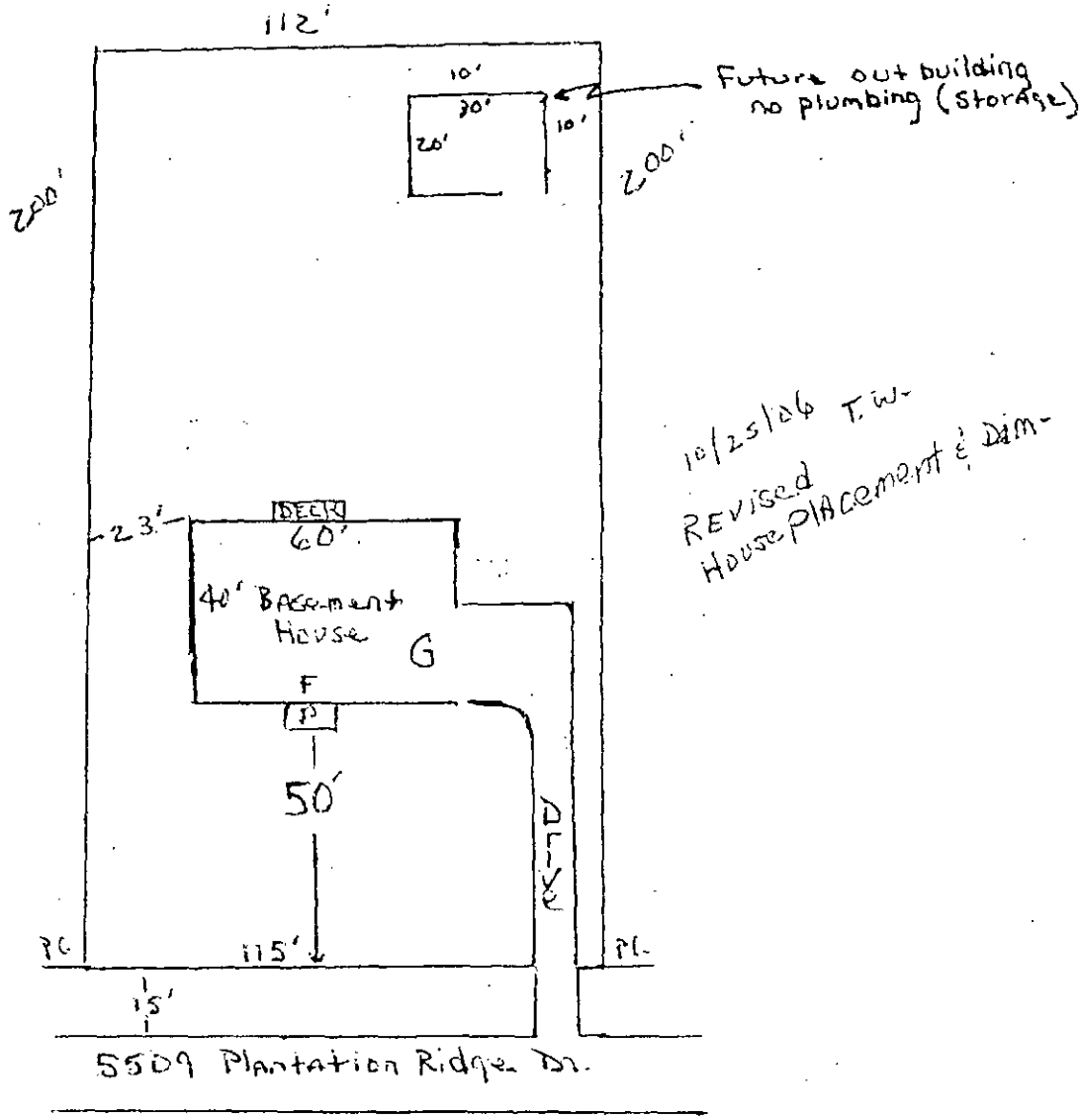
Parcel: 113-223-

Lot 15

River Walk Plantation Sub.

(4) Bedrm. Septic Sys. Proposal

Plot Plan



9/25/06
T.W. Whittaker
704 866-9540
S/HD

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

Sheet: 1 of 3
Property ID: 113-223-59
Lot #: 15
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Code: 2

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Robert Greene
Applicant: Tim Whittaker
Address: PO Box 16111, Charlotte, NC 28297
Date Evaluated: 10/10/2006
Proposed Facility: Residence
Design Flow (.1949): 480 gpd
Property Size:
Location of Site: 5509 Plantation Ridge Road
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	SOIL MORPHOLOGY 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 (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS,12	0-2	GR/L	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NA	PS,IV
		2-40	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		40-48	SBK/CL	FR/S/P/SEXP					
2	"	0-5	GR/L	FR/SS/SP/SEXP	>45" TO SOIL WETNESS	45	"	"	"
		5-37	SBK/C	FI/S/P/SEXP					
		37-45	SBK/CL	FR/S/P/SEXP					
3	LS,8	0-2	GR/L	FR/SS/SP/SEXP	>37" TO SOIL WETNESS	37	"	"	"
		2-30	SBK/C	FI/S/P/SEXP					
		30-37	SBK/SCL	FR/S/P/SEXP					
4	"	0-10	GR/L	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	"	"	"
		10-48	SBK/C	FI/S/P/SEXP					
5	"	0-2	GR/L	FR/SS/SP/SEXP	>38" TO SOIL WETNESS	38"	"	"	"
		2-22	SBK/C	FI/S/P/SEXP					
		22-38	SBK/CL	FR/S/P/SEXP					

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

Other Factors (.1946):
Site Classification (.1948): Unsuitable
Evaluated By: Chris Sherrill, RS, LSS. 10/11/06
Others Present: No

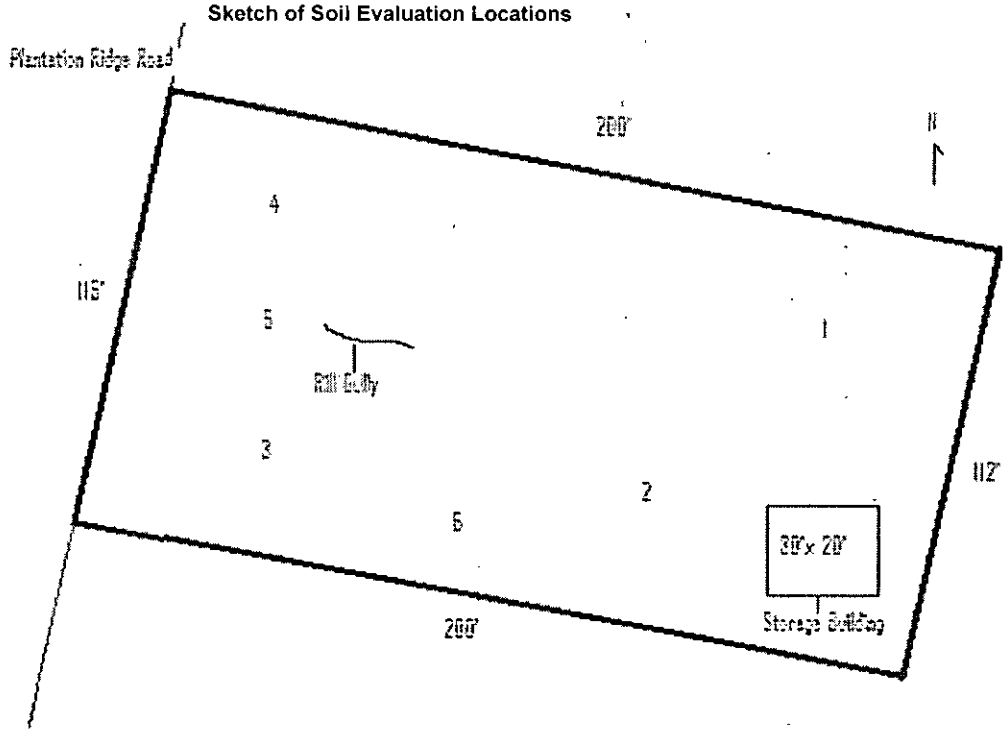
Christy M Sherrill

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
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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 #: 6825B

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
6	LS,10	0-6	GR/CL	FR/SS/SP/SEXP	>48" TO SOIL WETNESS	48	NA	NA	PS,IV
		6-30	SBK/C	FI/S/P/SEXP					.3 GPD/FT^2
		30-48	SBK/CL	FR/S/P/SEXP					

M.C.H.D.

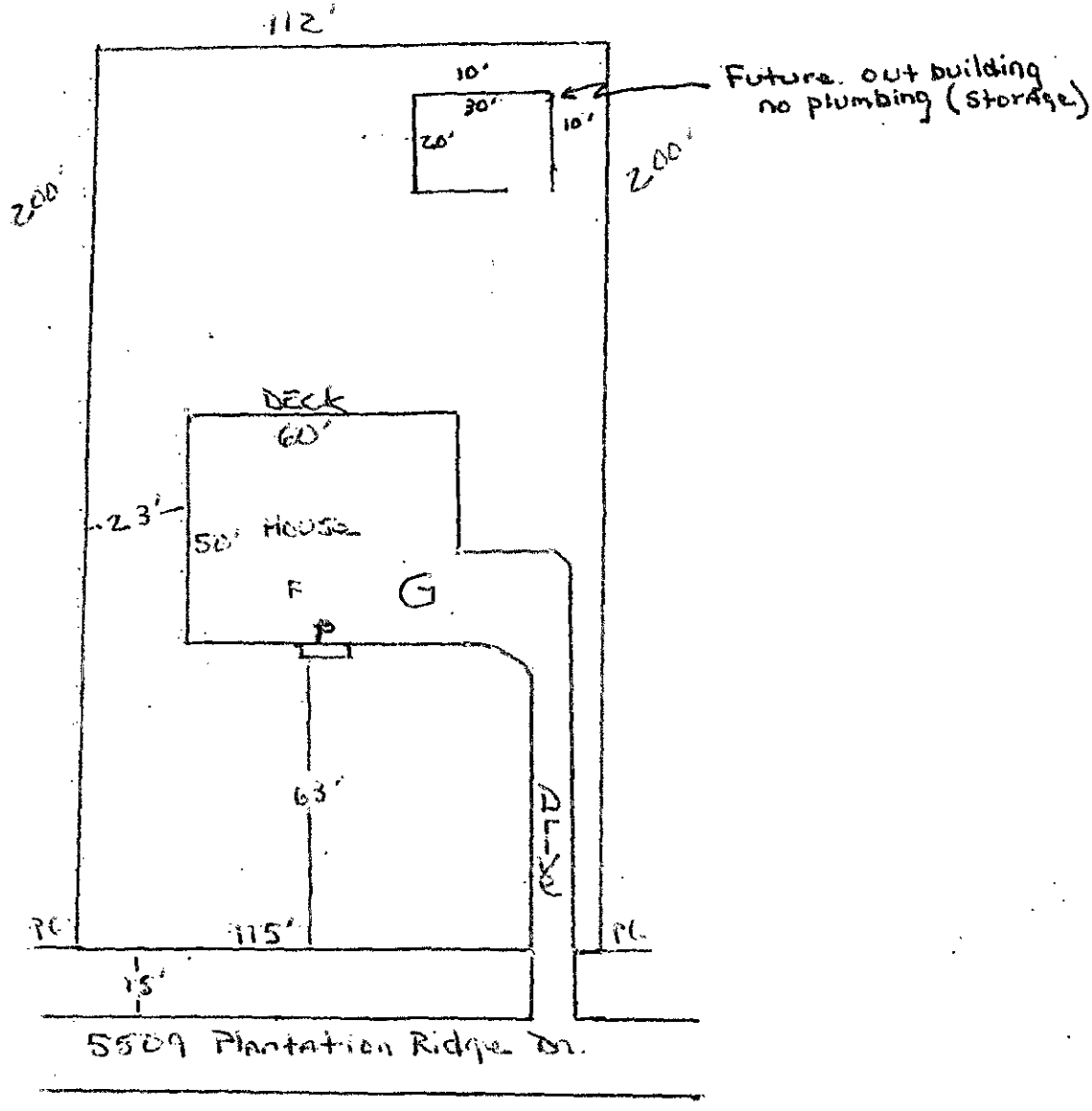
File:

Parcel: 113-223-

Lot 15

River Walk Plantation Sub.

Plot Plan



Gills Ck
T- Whittaker
704 666-9540
S/HC

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	09/30/14	**Amount:**	200.00
Receipt #:	90943	**Tendered:**	200.00
Check / Auth #:	MC 9FBA78	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #:	200000
Contractor:	JOHNSON ROBERT
Attn:	
Address:	611 E ACADEMYST
Address:	
City/State/Zip:	CHERRYVILLE, NC 28021

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 5509 PLANTATION RIDGE RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
	587.40		270.00	1,859.65	

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	09/27/06	**Amount:**	200.00
Receipt #:	46163	**Tendered:**	0.00
Check / Auth #:	CHECK 2511	**Returned:**	0.00
Received By:	BEACHMS		

Account Information

Account #:	200000
Contractor:	GREENE ROBERT
Attn:	
Address:	P O BOX 16111
Address:	
City/State/Zip:	CHARLOTTE, NC 28297

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 5509 PLANTATION RIDGE DRIVE		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
		25.00			

print

113-071-17

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	09/30/14	**Amount:**	200.00
Receipt #:	90944	**Tendered:**	200.00
Check / Auth #:	MC 9FBA78	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: JOHNSON ROBERT
Attn:
Address: 611 E ACADEMY ST
Address:
City/State/Zip: CHERRYVILLE, NC 28021

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorization 5509 PLANTATION RIDGE RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
	587.40		270.00	1,859.65	