


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 .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,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$^2$ |

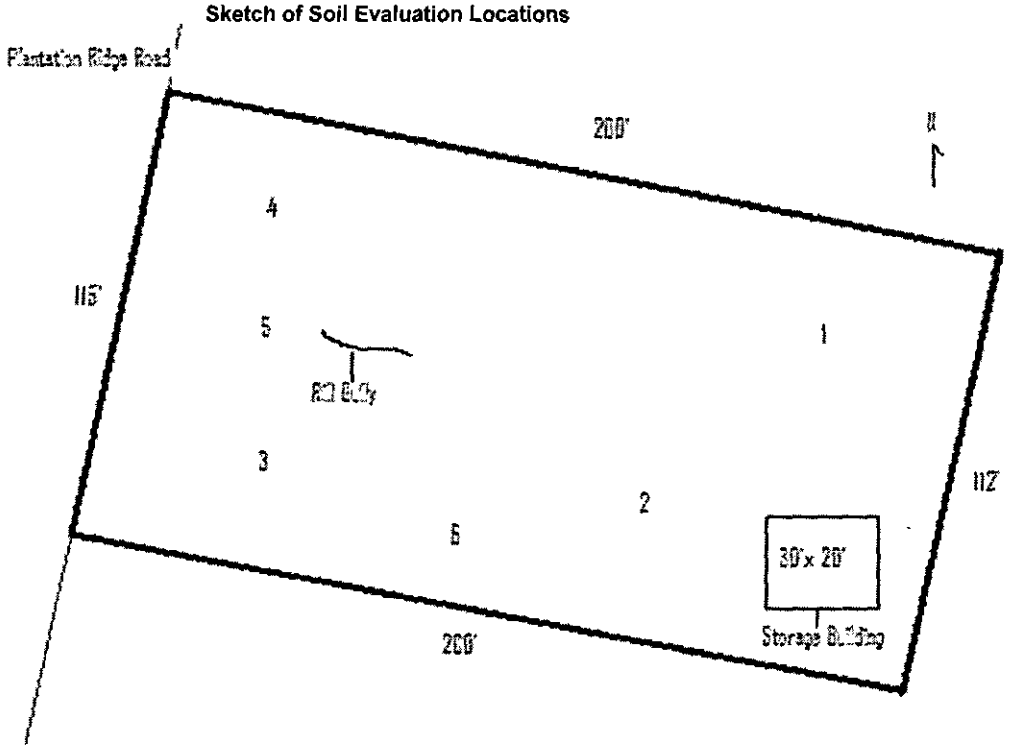
Other Factors (.1946):
Site Classification (.1948): Unsuitable
Evaluated By: Chris Sherrill, RS, LSS 10/11/06
Others Present: No

**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 | | | | |
| 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 #: 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:** Vc

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:

- 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: [signature]

Date Issued: 10/18/2006

Owner/Legal Agent: Tim Whittaker

Print Name

Signature: T. Whittaker

Page 2 of 2

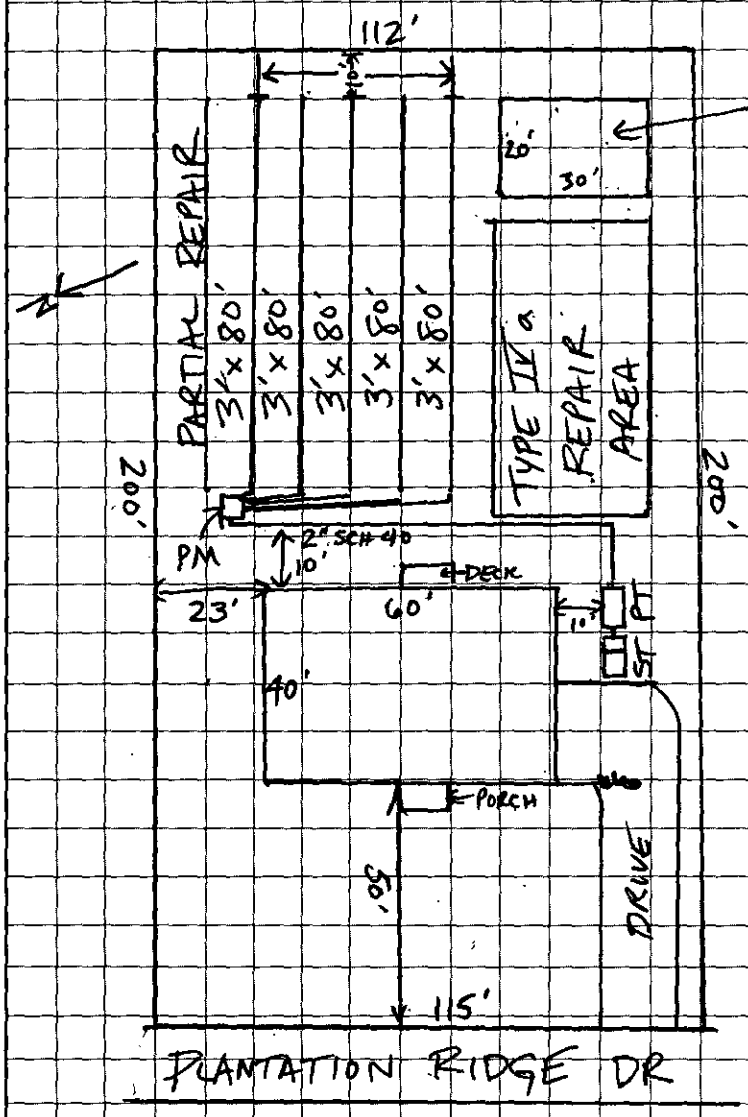
# PROPOSED PLOT PLAN

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 – 4BR
- 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

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.

J. Whittaker

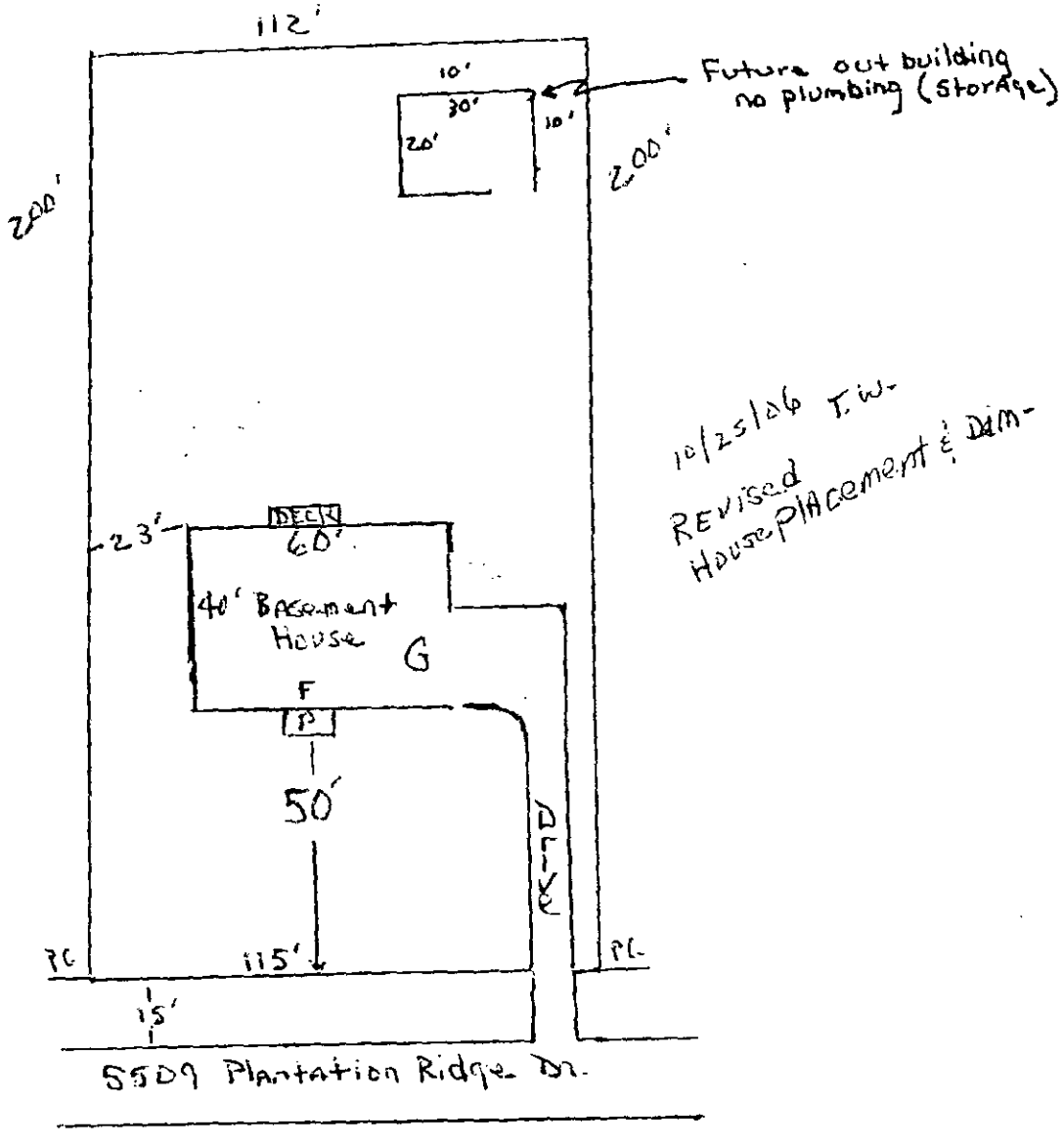
704 866-9540

704 830-4344

M.C.H.D.
File:
Parcel: 113-C23-
Lot 15
River Walk Plantation Sub.

(4) Bedrm. Septic Sys. Proposal

Plot Plan




10/25/06 T.W.
Revised House Placement & Dim-

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

(4) Bedrm. Septic Sys. Proposal

M.C.H.D.

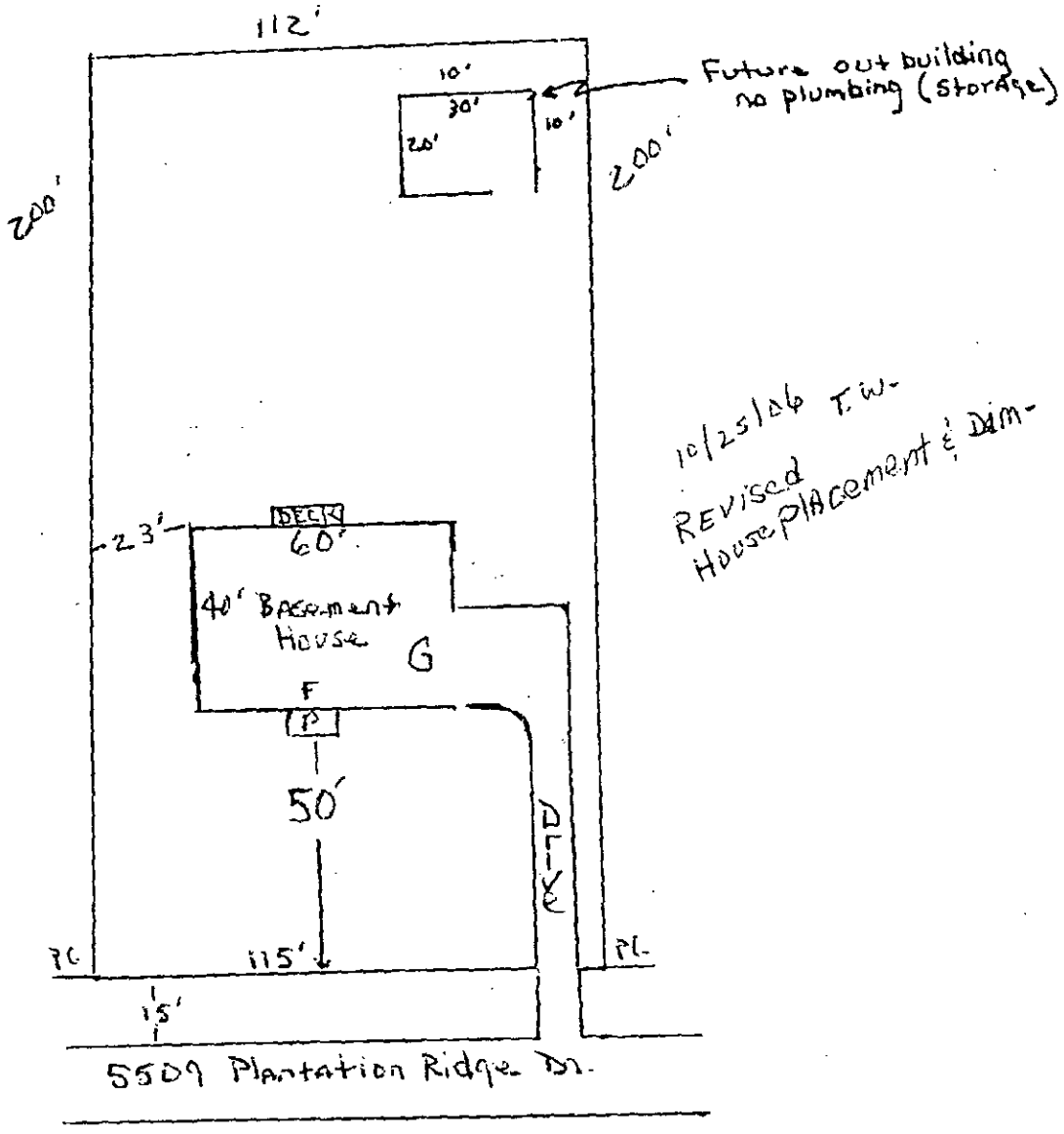
File:

Parcel: 113-623-

Lot 15

River Walk Plantation Sub.

Plot Plan




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

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 .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,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

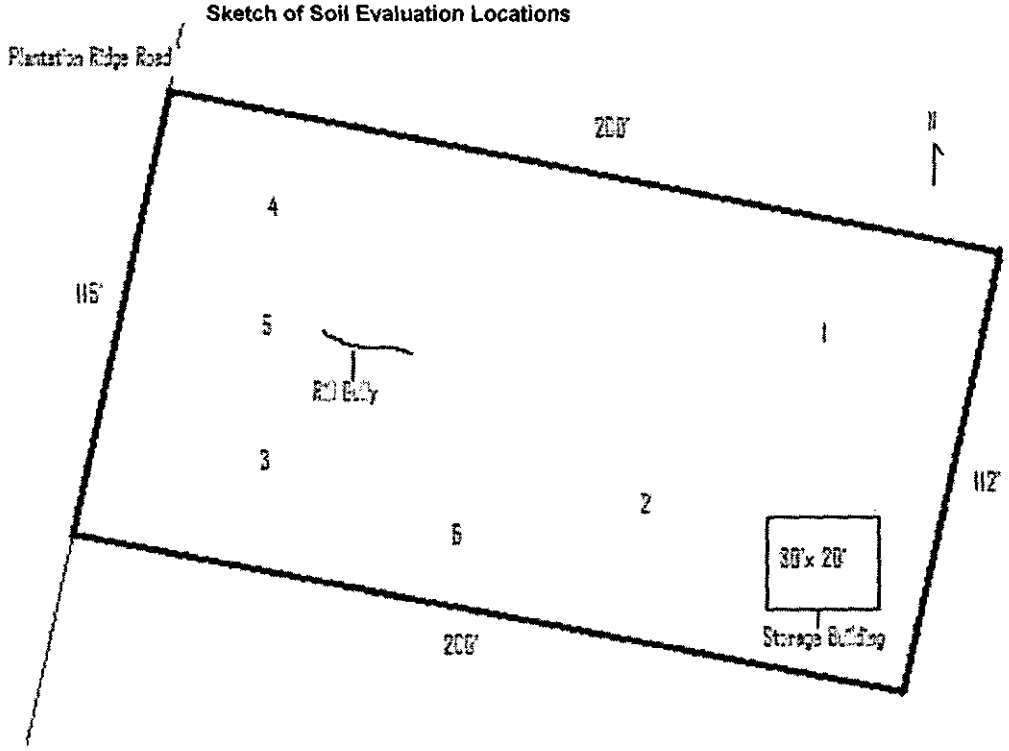
Christopher M Sherrill

**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



# 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 | | | | | |

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

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: 704-804-9654 FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Tim Whittaker
ADDRESS: 1112 Queensgate St.
CITY: Gastonia
STATE: NC ZIP: 28054
HOME PHONE: 704 866-9540 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 .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,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

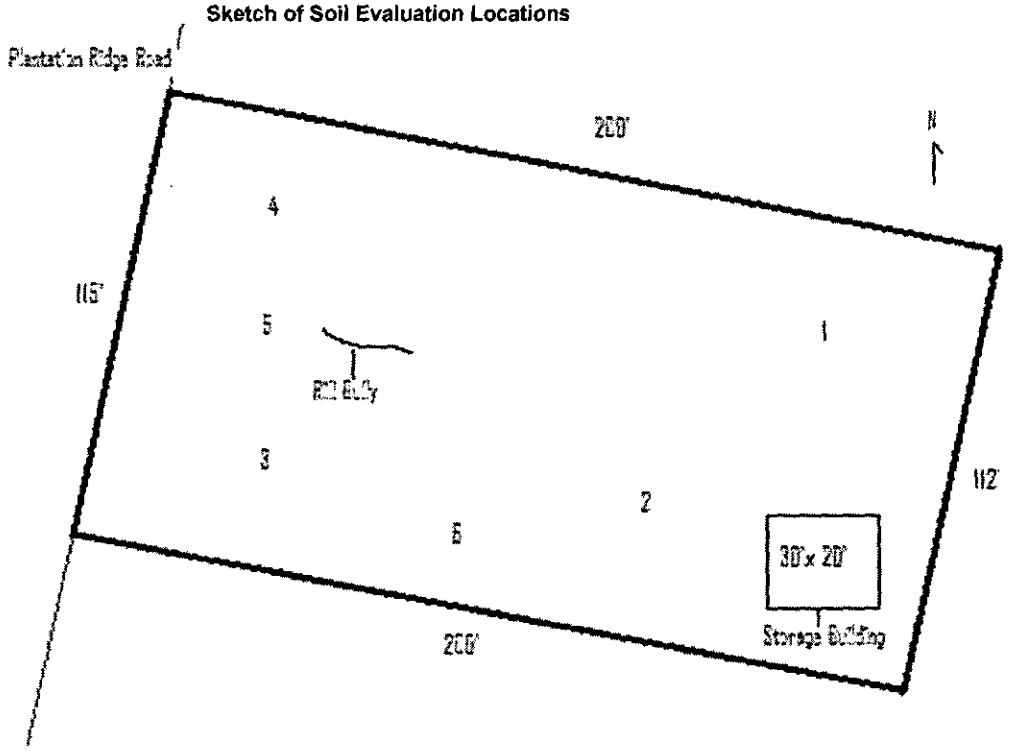
Christopher M Sherrill

**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


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 | | | | | |

M.C.H.D.

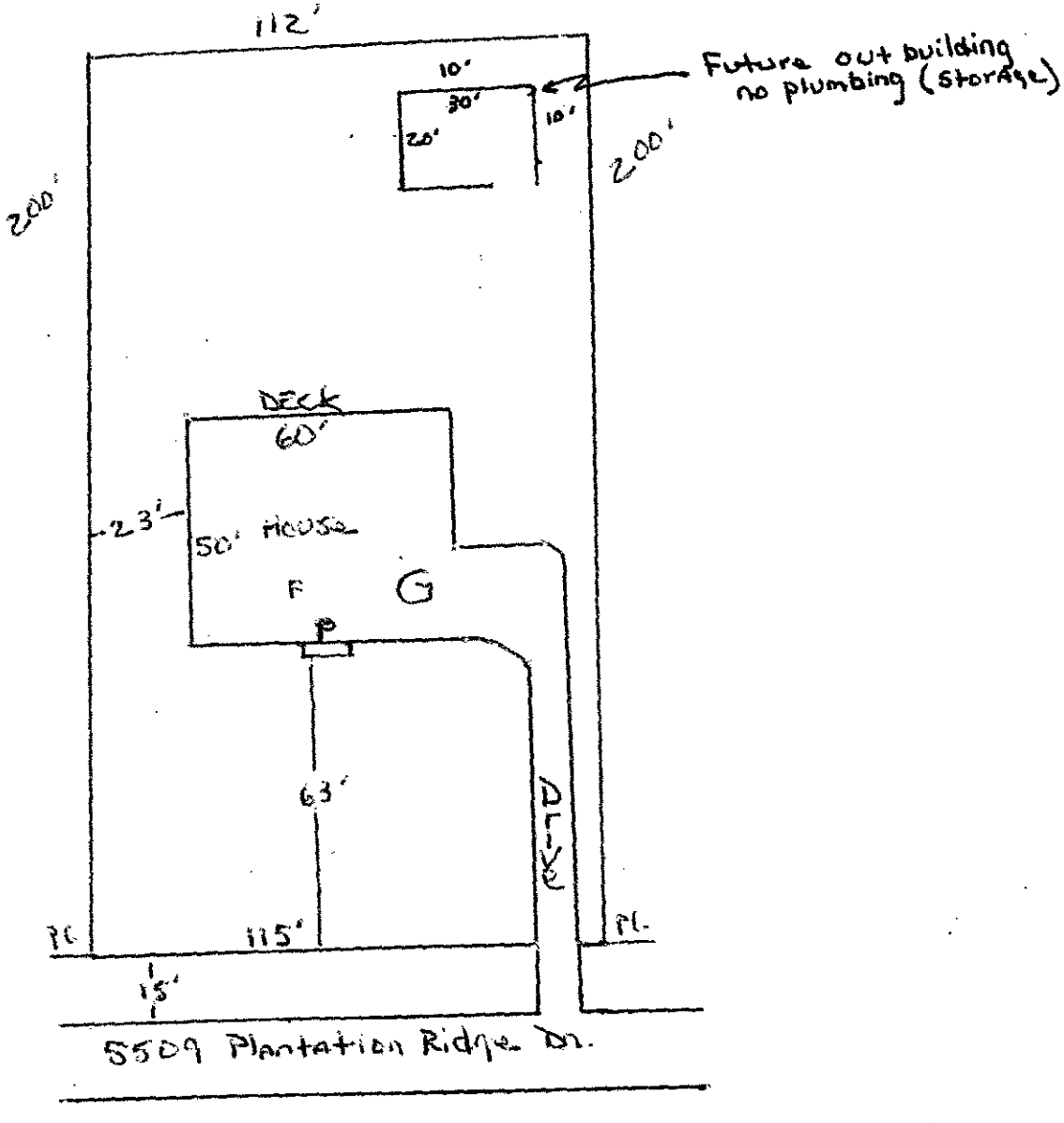
File:

Parcel: 113-223-

Lot 15

River Walk Plantation Sub.

Plot Plan




9/25/06

— Whittaker

704 866-9540

S/HD

*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<br>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 | | | |