FILE NUMBER: 6938B

Revised On: January 3, 2007

APPLICATION NUMBER: 1895

SEPTIC FEE: 200
DATE: 2/9/07
CHK 10180

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: 19909148-PO
STREET ADDRESS: Island Point Rd.
CITY: Charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME: The Sanctuary of Lake Wylie
LOT #: 123 LOT SIZE (acres): 3.74

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: 4500
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS: 10

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):*

8A. RANK: ☒ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

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 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: The Sanctuary of Lake Wylie
ADDRESS: 11104 Limehurst PL.
CITY: Charlotte
STATE: NC ZIP: 28278
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-295-1638 FAX:

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Paul Penninger, 5+ME
ADDRESS: 385 Timber Rd, St. 104
CITY: Mooresville
STATE: NC ZIP: 28115
HOME PHONE: WORK PHONE:
MOBILE PHONE: 704-996-6330 FAX: 704-662-8735

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? N/A
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? May, 2007

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.

[signature] 02/01/07
Property Owner's or Owner's Legal Representative Signature Date

15. WELL PERMIT APPLICATION SIGNATURE SECTION:
If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of 12 months from the date of issuance.

_____
Property Owner's or Owner's Legal Representative Signature Date

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

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30001895** GWS File #: **6938B** Tax Parcel #: **199-091-48**

- 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):** 6/26/2012

Type of Installation: Residential - New System Lot Number: 123

Structure Type: HOUSE Size (ft^2): 4500 # Bedrooms: 5 # Occupants: 10

Building Foundation: Basement With Plumbing Water Supply: Municipal

II. Initial System Type: Pump to Approved **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1500	Total Trench Length (ft):	500
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):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1000	Total Trench Length (ft):	333
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 Owner/Legal Agent: Ryan Johnson
Print Name

Signature: Chris M Sherrill Signature: Ryan Johnson

Date Issued: 6/26/2007

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

VOID

IMPROVEMENT PERMIT for a RESIDENTIAL
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30001895** GWS File #: **6938B**

IV. Permit Conditions/Comments:

- Easement agreement forms shall be on file and the property shall be deeded and recorded 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.
- 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.
- This type of repair system requires periodic inspections by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.

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 Owner/Legal Agent: Ryan Johnson
Print Name

Signature: Christopher M Sherrill Signature: Ryan Johnson

Date Issued: 6/26/2007

S&ME

June 12, 2007

VOID

Mr. James Martin
The Sanctuary at Lake Wylie
11104 Limehurst Place
Charlotte, North Carolina 28278

Reference: **Request for a Septic Improvement Permit for Lot 123 at The Sanctuary at Lake Wylie Phase 4b**
Mecklenburg County Health Department (MCHD) File # 6938B

Dear Mr. Martin,

The Sanctuary at Lake Wylie is requesting an Improvement Permit for the above referenced lot. **This lot will utilize an off-site septic area for the septic system drainfield.** Mr. Bill Marlin has evaluated the soils (see attached MCHD soil sheets) and S&ME, Inc. has flagged the system and repair on the septic area. The septic lines have been located by the surveyor and are shown on the attached maps. The attached sketch and specifications are not an Improvement Permit and are intended only to assist the MCHD in permitting the referenced lot at The Sanctuary.

We understand that a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The buyer will apply for the ATC. If the buyer's house pad does not fit in the "building envelope" shown on the Improvement Permit, we understand that the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on the lot prior to obtaining the ATC from the MCHD.**

Tri-County Wastewater (TCWW) is under contract to supply maintenance services for each septic system installed at The Sanctuary. TCWW will have a list of preferred septic contractors for the subdivision and will also have requirements for septic system installation that are greater than the MCHD and State requirements. It will be the responsibility of TCWW to enforce any requirements above State requirements or the MCHD conditions on the Improvement Permit.

Please review the attached system sketch and design specifications for the Improvement Permit. Any additions or revisions you feel are necessary can be made on the Improvement Permit. Please call in you have and questions or comments.

Please review the attached system sketch and design specifications for the Improvement Permit. Any additions or revisions you feel are necessary can be made on the Improvement Permit. Please call in you have and questions or comments.

Sincerely,

S&ME, Inc.

Paul G. Penninger, LSS
Licensed Soil Scientist

for

Rob Willcox, LSS
Natural Resources Department Manager

VOID

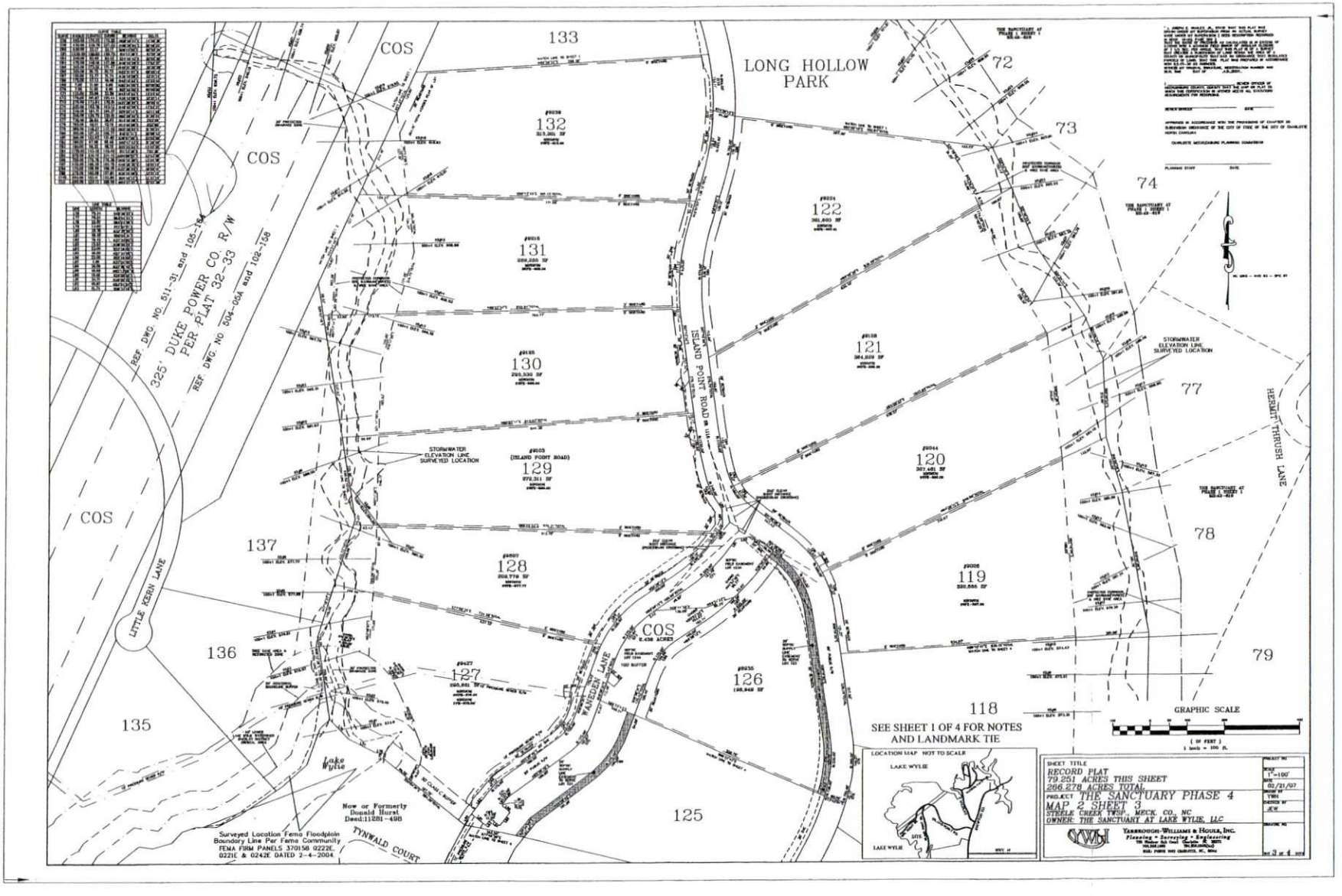
Attachments:
1. System Specifications
2. Site Plan
3. MCHD Soil Evaluation

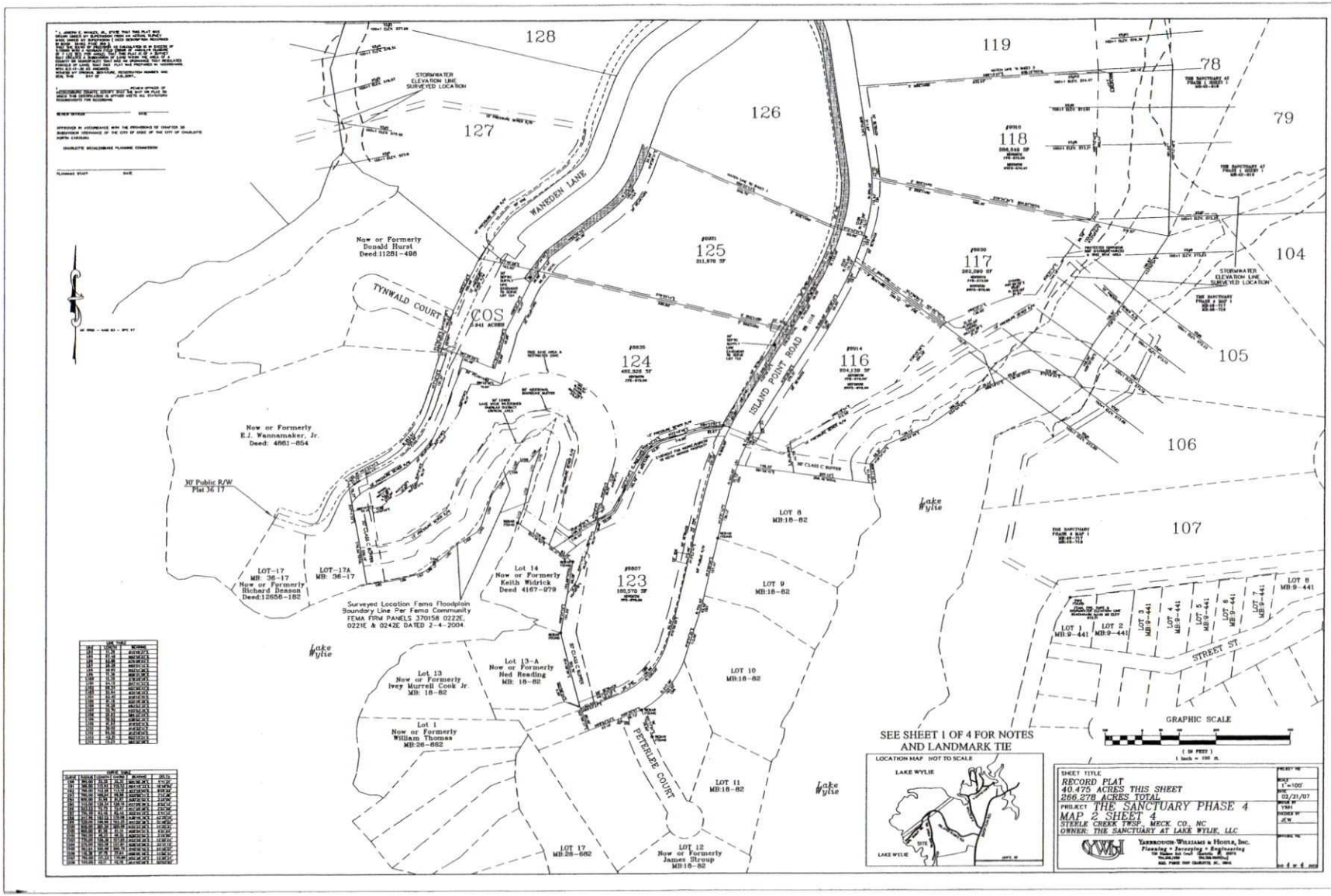
Copy: Mr. Philo Walker, R.S.
MCHD

Design Specifications for Lot 123 at The Sanctuary
MCHD File # 6938 B

Daily Design Flow:	600 gpd
Number Bedrooms:	5 bedroom
Basement or Crawl Space:	Basement
Septic Tank Size:	1500 gal
Pump Tank Size:	1500 gal
Primary System Loading Rate:	**0.3 gpd/ft^2**
Primary System:	**25% reduction**
Number and length of laterals:	4 @ 125 ft. endfed
Total ft. of primary system:	500 ft.
Flow Rate through system:	22 gpm – use ½ in. SCH 80 taps with 2 ft. head pressure on pressure manifold (5.5 gpm per tap)
Pump Requirements:	to be calculated by installer when specific house and pump tank locations are available
Dosing Volume:	approx. 243 gal. – 2.4 doses/day at design flow
Depth of effluent pumped per dose:	calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Check Valve:	yes
Siphon break hole:	no
Repair System Loading Rate:	**0.3 gpd/ft^2**
Repair System:	**LPPPBPS**
Total ft. of repair	385 ft. (334 ft. required)

Notes: This lot utilizes an off-site septic area for the drainfield.


LONG HOLLOW PARK
COS
133
132
131
130
129
128
127
126
125
122
121
120
119
72
73
74
77
78
79
118
136
135
137
325' DUKE POWER CO. R/W PER PLAT 32-33
REF. DWG. NO. 611-31 and 105-154
REF. DWG. NO. 504-65A and 102-158
ISLAND POINT ROAD
LITTLE KERN LANE
WARDEN LANE
TYNWALD COURT
HERMIT THRUSH LANE
STORMWATER ELEVATION LINE SURVEYED LOCATION
Lake Wylie
Surveyed Location Fema Floodplain Boundary Line Per Fema Community
FEMA FIRM PANELS 3709SB 0222E, 0221E & 0242E DATED 2-4-2004.
New or Formerly
Donald Hurst
Deed:11281-498
SEE SHEET 1 OF 4 FOR NOTES AND LANDMARK TIE
GRAPHIC SCALE
LOCATION MAP NOT TO SCALE
LAKE WYLIE
SHEET TITLE
RECORD PLAT
79.251 ACRES THIS SHEET
206.278 ACRES TOTAL
PROJECT THE SANCTUARY PHASE 4
MAP 2 SHEET 3
STEELE CREEK TWSP., MECK. CO., NC
OWNER: THE SANCTUARY AT LAKE WYLIE, LLC
YARBROUGH-WILLIAMS & HOUSE, INC.
Planning • Surveying • Engineering
SCALE 1"=100'
DATE 02/21/07
DRAWN BY TWH
CHECKED BY JCW
PROJECT NO.
SHEET 3 OF 4



SEE SHEET 1 OF 4 FOR NOTES AND LANDMARK TIE

LOCATION MAP NOT TO SCALE

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

SHEET TITLE
RECORD PLAT
40.475 ACRES THIS SHEET
266.278 ACRES TOTAL

PROJECT THE SANCTUARY PHASE 4

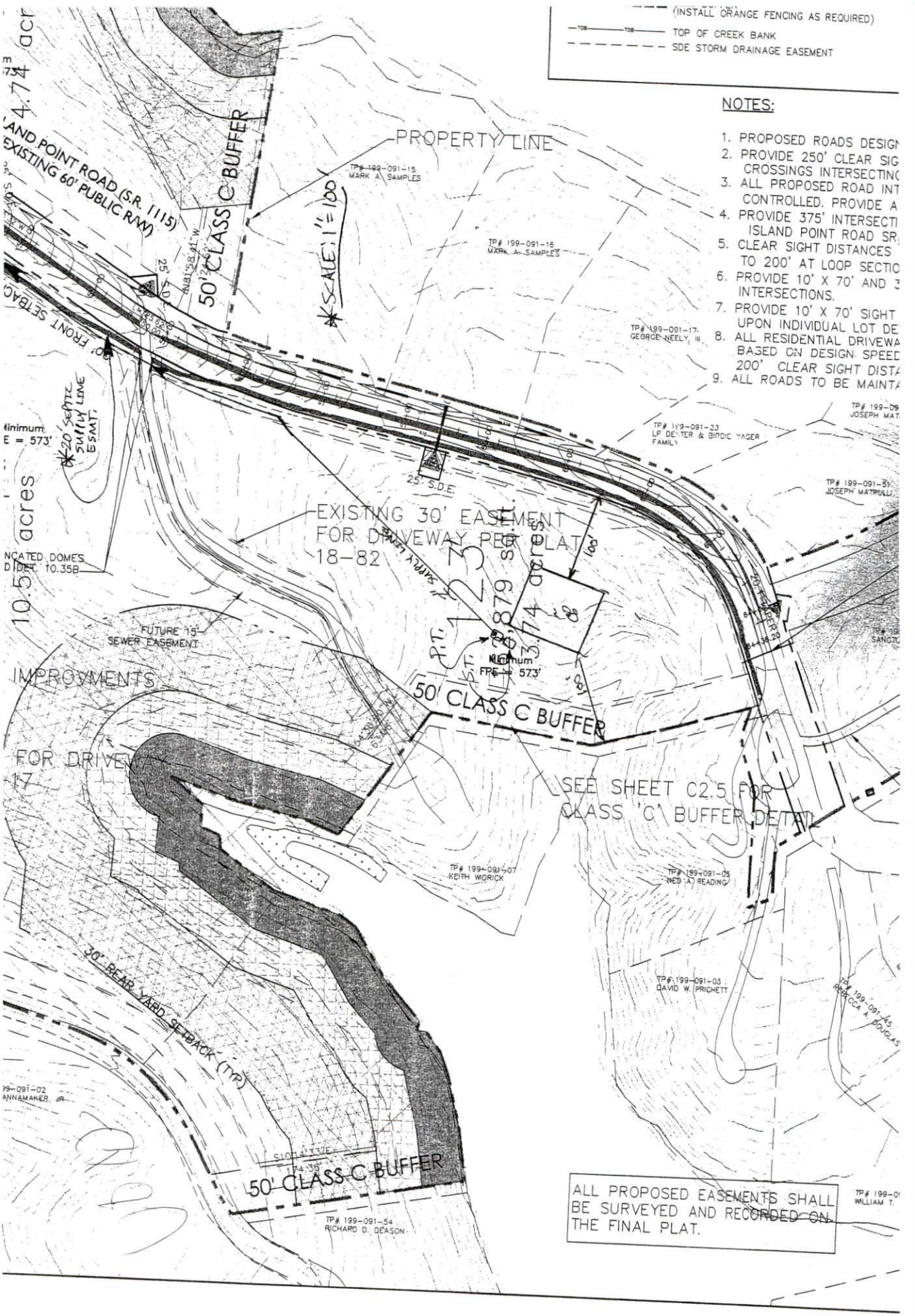
MAP 2 SHEET 4

STEELE CREEK TWSP, MECK. CO., NC.

OWNER: THE SANCTUARY AT LAKE WYLIE, LLC

SCALE 1"=100'
DATE 02/21/07
DRAWN BY YMH
CHECKED BY JEW
PROJECT NO.

YARBROUGH-WILLIAMS & HOUSTE, INC.
Planning • Surveying • Engineering


(INSTALL ORANGE FENCING AS REQUIRED)
TOP OF CREEK BANK
SDE STORM DRAINAGE EASEMENT
NOTES:
1. PROPOSED ROADS DESIGN
2. PROVIDE 250' CLEAR SIG
CROSSINGS INTERSECTING
3. ALL PROPOSED ROAD INT
CONTROLLED. PROVIDE A
4. PROVIDE 375' INTERSECTI
ISLAND POINT ROAD SR
5. CLEAR SIGHT DISTANCES
TO 200' AT LOOP SECTIO
6. PROVIDE 10' X 70' AND 3
INTERSECTIONS.
7. PROVIDE 10' X 70' SIGHT
UPON INDIVIDUAL LOT DE
8. ALL RESIDENTIAL DRIVEWA
BASED ON DESIGN SPEED
200' CLEAR SIGHT DISTA
9. ALL ROADS TO BE MAINTA
PROPERTY LINE
50' CLASS C BUFFER
ISLAND POINT ROAD (S.R. 1115)
EXISTING 60' PUBLIC R/W
SCALE: 1" = 100'
TP# 199-091-15
MARK A. SAMPLES
TP# 199-091-16
MARK A. SAMPLES
TP# 199-091-17
GEORGE NEELY, III
TP# 199-091-23
LP DEITER & BIRDIE YAGER FAMILY
TP# 199-091-51
JOSEPH MATRULLI
TP# 199-091-07
KEITH WIORICK
TP# 199-091-05
NED A. READING
TP# 199-091-03
DAVID W. PRICHETT
TP# 199-091-02
TP# 199-091-54
RICHARD D. DEASON
EXISTING 30' EASEMENT FOR DRIVEWAY PER PLAT 18-82
P.T. 12.33 ac.
S.T. 3.74 acres
2,879 sq. ft.
Minimum FPE = 573'
FUTURE 15' SEWER EASEMENT
IMPROVMENTS
FOR DRIVEWA
17
SEE SHEET C2.5 FOR CLASS 'C' BUFFER DETAIL
30' REAR YARD SETBACK (TYP)
50' CLASS C BUFFER
ALL PROPOSED EASEMENTS SHALL BE SURVEYED AND RECORDED ON THE FINAL PLAT.
10.5 acres
4.74 acr
20' SEPTIC SURVEY LINE ESMT.
25' S.D.E.
20' FRONT SETBACK

COS
N55°39'12"E
96.86'
N86°44'26"E
136.05'
WHITE FLAGS
ORANGE FLAGS
BLUE FLAGS
WHITE FLAGS
BLUE FLAGS
ORANGE FLAGS
PINK FLAGS
N69°51'22"E
86.25'
R:525.00'
163.78'
C74
R:625.00'
92.85'
C87
LOT 123
L91
L92
L93
20' SWE
N36°00'22"E
66.80'
PRESSURE MANIFOLD
20' SEPTIC SUPPLY LINE ESMT
S51°28'08"E
28.56'
250' CLEAR SIGHT DISTANCE (PEDESTRIAN CROSSING)
20' SWE
*SCALE: 1"=50'

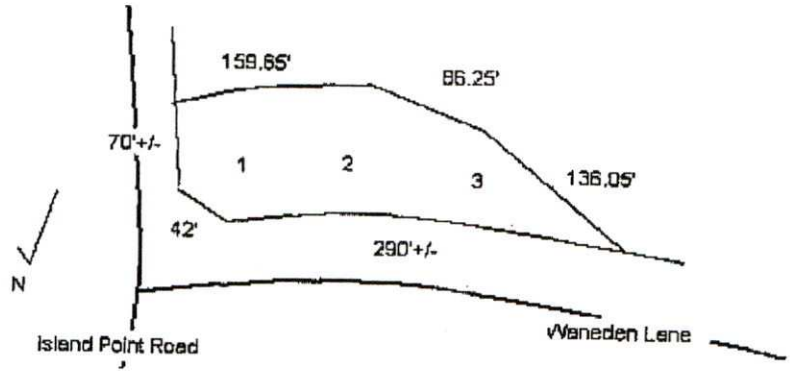
100% repair, drainfield to be located off-site in COS

FILE #: 69388

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Division of Environmental Health
On-site Wastewater Section

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Property ID: PQ 199-091-48
Lot #: 123
File #: 6938B
AppID: 1895

Owner: The Sanctuary of Lake Wylie
Address: 11104 Limehurst Place, Charlotte, N. C. 28278
Proposed Facility: Residence Design Flow (.1949): 600gpd
Location of Site: Island Point Road
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

Applicant: S & ME- P. Penninger
Date Evaluated: 5/17/07
Property Size:
Property Recorded:

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 10	0-5	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV .3GPD/FT^2
		5-38	SBK/C	FI/SEXP/S/P					
		38-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-4	GR/CL	"	"	"	"	"	PS, IV .325GPD/FT^2
		4-32	SBK/C	FI/SEXP/S/P					
		32-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-2	GR/CL	"	"	"	"	"	"
		2-22	SBK/C	FI/SEXP/S/P					
		22-48	SBK/CL	FR/SEXP/SS/SP					
					SITE LTAR .325GPD/FT^2				

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

Other Factors (.1946):
Soil Evaluation By: W. R. Martin, LSS, 5/18/2007, W. R. Martin
Others Present: P. Penninger
Site Classification (.1948):
Site Evaluation By:
Others Present:

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

Sheet: 1 of 2
Property ID: PO 199-091-48
Lot #: 123
File #: 6938B
AppID: 1895

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary of Lake Wylie
Applicant: S & ME- P. Penninger
Address: 11104 Limehurst Place, Charlotte, N. C. 28278
Date Evaluated: 5/17/2007
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size:
Location of Site: Island Point 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	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 10	0-5	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV
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		38-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-4	GR/CL	"	"	"	"	"	PS, IV
		4-32	SBK/C	FI/SEXP/S/P					.325GPD/FT^2
		32-48	SBK/CL	FR/SEXP/SS/SP					
3	"	0-2	GR/CL	"	"	"	"	"	"
		2-22	SBK/C	FI/SEXP/S/P					
		22-48	SBK/CL	FR/SEXP/SS/SP					
					SITE LTAR .325GPD/FT^2				

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIb	IV a
Site LTAR	.3 gpd/ft2	.3 gpd/ft2

Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 5/18/2007,
Others Present: P. Penninger
Site Classification (.1948): PS
Site Evaluation By: C.Sherrill,RS,LSS
Others Present: P.Penninger

COMMENTS:
100% repair, drainfield to be located off-site in COS

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
LS-Linear Slope			
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6
NS-Nose Slope		L-Loam	
HS-Head Slope			
CC-Concave Slope	III	SI-Silt	0.6 - 0.3
CV-Convex Slope		SICL-Silty Clay Loam	
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	

VPD

Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic

Consistence Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence Wet
NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Sketch of Soil Evaluation Locations

