

10412 WILDLIFE RD

19960110

1/8/2008

duponbj

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

3000 gal Acct B97830 5/15/06 gC.

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 #: 5684B Permit #: _____ Tax Parcel #: 19960110

Property Owner: Provident Homes

Job Location Address: 10412 Wildlife Rd Lot 28 Sanctuary

City: Charlotte State: NC Zip Code: _____

Operation Permit Issuance Date: 4/12/06 Contractor Name: R+H

Permitted Design Flow: 60[illegible]

Liquid Capacity of Septic Tank: _____

Recorded Agreement
Forms Needed
for Posse
release informed
Melissa w/ Provident Homes
by V.M mss 5/15/06 e5:20

y of Dosing Tank: 1500 gallons

Model: MF 50

Drainfield Installation ☐ N/

Trench Depth: 36-40 inches

Trench Width: 3' feet

Line Spacing: 9' feet (O.

Total line length: 360' feet

# of Lines: 6 @ 60'

Depth of Media: N/A inche

Depth of Cover: 12" inche

Distribution Device: Pressure

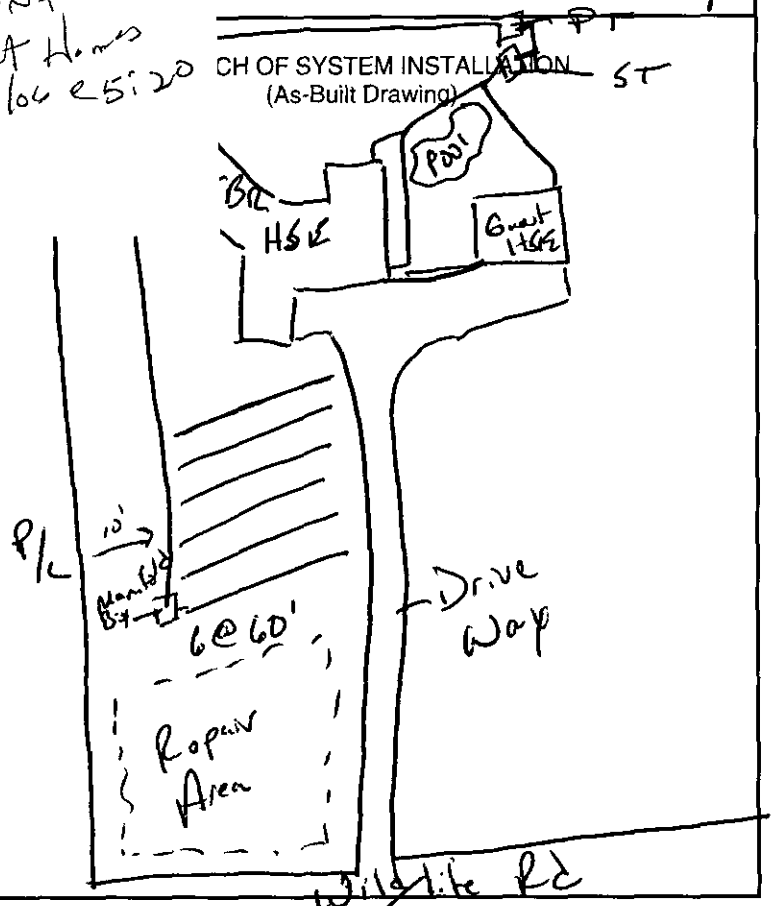
es

cted: 4/12/06

pected: 4/11/06

ols Inspected: ~~4/12/06~~ 5/12/06

CH OF SYSTEM INSTALLATION (As-Built Drawing)



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: >5' feet

Distance from Property Line: >10' feet

Distance from Water Supply Source: >100' feet

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: IV a

DENR Authorized Agent: Zach J. Peterson ES/RS Signature: Zach J. Peterson ES/RS

Zach J. Peterson

ON SITE SEWAGE TREATMENT CONTRACT AND AGREEMENT

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

CONTRACT FOR INSPECTION AND MAINTENANCE GROUND ABSORPTION SEWAGE TREATMENT AND DISPOSAL SYSTEM LOT NUMBER 28, PARCEL A ("THE LOT") THE SANCTUARY

(I), (WE), as the owners of Lot(s) Number 28, Parcel A of the subdivision known as The Sanctuary, have certain duties and responsibilities for the maintenance of any ground absorption sewage treatment and disposal system as regulated and set out in N.C.G.S. Article II, Chapter 130A; T15A-C18-S18A.1961 "Maintenance of Sewage Systems"; and under the "Declaration of Covenants, Conditions and Restrictions-The Sanctuary", (the "Declaration") as recorded in the Register of Deeds of Mecklenburg County, North Carolina, in Book 17763, Page 774, and under the Bylaws of The Sanctuary Owners Association, Inc.

The Sanctuary Owners Association, Inc. ("The Association") in order to provide for uniform inspection, maintenance, and repair and operation of sewage treatment and disposal systems within The Sanctuary, has entered into a Master Agreement dated the 8th day of November, 2004, which Master Contract with Tri-County Wastewater Management, Inc., a memorandum of which is recorded in Deed Book 18067, Page 130-138 in the office of the Register of Deeds for Mecklenburg County, North Carolina and is incorporated fully by this reference thereto.

The undersigned lot(s) owner(s) hereby agrees and contracts with Tri-County Wastewater Management, Inc. and with The Sanctuary Owners Association, Inc. as follows:

1. The Master Contract referred to above is hereby accepted, agreed, and is binding upon the undersigned with Tri-County Wastewater Management, Inc. and its successors and assigns. The undersigned lot owner(s), their successors, and assigned agree to be bound by this Master Contract and any further or future contracts in substitution thereof.

2. The undersigned lot owner(s) further acknowledge and agree that The Sanctuary Owners Association, Inc. acting by and under it's Declaration of Covenants, Conditions, and Restrictions-The Sanctuary, has recorded in Book 17763 at Page 774 in the office of the Register of Deeds for Mecklenburg County, North Carolina has and is hereby granted the full power and authority to assess the undersigned for fees, expenses, and costs associated with the inspection, maintenance, and or repair of septic disposal systems on the lot.

This agreement is binding upon the undersigned, their heirs, administrators, personal representatives, successors, and assigns, and the transfer and assignment of the duty and responsibility to contract with a qualified maintenance contractor (operator) is a covenant running with the land ("The Lot"). This agreement will terminate: (1) when The Association is dissolved or liquidated, or (2) when the undersigned has no legal duty to maintain a sewage disposal system on "The Lot".

Witness our hands and legal seals, this 15TH day of May 2006. Chuck Ridge P.H.

(SEAL)
Signature

MICHAEL PEREZ/PROVIDENT HOMES INC
Owners Printed Name

(SEAL)
Signature

Owners Printed Name



JUDITH A. GIBSON
REGISTER OF DEEDS, MECKLENBURG
COUNTY & COURTS OFFICE BUILDING
720 EAST FOURTH STREET
CHARLOTTE, NC 28202

PLEASE RETAIN YELLOW TRAILER PAGE

It is part of the recorded document, and must be submitted with original for re-recording and/or cancellation.

Filed For Registration:	**05/16/2006 03:36 PM**
Book:	**RE 20439 Page: 806-809**
Document No.:	**2006095730**
	PRMIT 4 PGS $20.00
Recorder:	**ANNA GRAY**



2006095730

"FOR REGISTRATION JUDITH A
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2006 MAY 10 05:26 PM
BK:20439 PG:806-808 FEE:14.00
INSTRUMENT # 2006095730
2006095730

RETURNED TO CUSTOMER

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AN ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); OR .1957(c); OR .1969

FILE #: 5684-B

PARCEL #: 56-203 4681

The undersigned, Provident Homes, Inc., owner of property located at 10412 Wildlife Rd. Charlotte, NC. 28278, (the "site") and described in an instrument recorded in Book _____ at Page _____, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as 'provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following will apply to the site:

This instrument was prepared by: _____

Mail after recording to: Provident Homes Inc
6701 Fairview Rd., Suite B, Charlotte NC 28210

-- Any changes on the property may make the Improvement Permit null and void and may make the Improvement Permit subject to revocation.

-- Do not grade, cut, fill, pave, construct a building or deck, dig a well, install a swimming pool or otherwise cover or disturb the soil (except for planting and maintaining grass or other ground covers) in a manner which will adversely affect the repair area or area where the septic tank system is located.

-- When a private certified operator is required, no improvement permit for the designated repair shall be issued unless there is a private certified operator to carry out this management program in the service area where the proposed system is to be located. (Refer to rule .1961, Maintenance of Sewage Systems," for further information.)

-- Additional fees will be required according to the Mecklenburg County user fee schedule applicable at the time for the issuance of a repair permit for any subsequent repairs to the sewage treatment and disposal system or for installation of a replacement system.

-- At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulation in effect at the time will govern the repairs or installation of a replacement system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees, and officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatsoever arising out of the installation, operation, or failure of said septic tank system.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons claiming any right, title, or interest in the site

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, this 11e day of May, 2006.

Provident Homes, Inc. _____ (SEAL)
(Corporate Name)

_____ (SEAL)

By: _____ _____ (SEAL)

_____ President _____ (SEAL)

ATTEST:

_____ Secretary

(Corporate Seal)

STATE OF NORTH CAROLINA

COUNTY OF _____

I, _____, a Notary Public for said County and State, do hereby certify that _____ personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal this _____ day of _____, 20__.

_____
Notary Public

My Commission Expires:

_____

STATE OF NORTH CAROLINA

COUNTY OF Mecklenburg

I, Anne Sutton, a Notary Public for said County and State, do hereby certify that John C. MacNeill, Jr. personally came before me this date and acknowledged that he is Assistant Secretary of Provident Homes, Inc., a North Carolina corporation, and that by authority duly given and as the act and deed of said corporation, the foregoing instrument was signed in its name by its _____ President, sealed with its corporate seal, and attested by him as its Assistant Secretary.

WITNESS my hand and notarial seal this 16 day of May, 20 06.

Anne Sutton
Notary Public

My Commission Expires:

9-29-08

ANNE SUTTON NOTARY PUBLIC MECKLENBURG COUNTY, NC

REVISED 8-15-02

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

INSTALLATION APPROVAL for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 5684B Permit #: _____ Tax Parcel #: 19960110

Property Owner: Provident Homes

Job Location Address: Lot 28 Sanctuary 10412 Wildlife Rd

City: Charlotte State: NC Zip Code: _____

Installation Approval Issuance Date: 4-10-06

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 5/11/06, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 600 GPD

Site LTAR: 0.3 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1500 gallons

Drainfield Design ☐ N/A

Trench Depth: ~~36~~ 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 360 feet

# of Lines: 6 @ 60 feet

Depth of Media: N/A inches (Type) _____

Distribution Device: Rental Valve Box

Bed Design *(For Repair Installations ONLY.)* ☐ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☒ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

Minimum System Setbacks

Distance from Building Foundation: >5' feet

Distance from Property Line: >10' feet

Distance from Water Supply Source: >100' feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)

Install as designed by
S+ EC,

1

Comments: System Classification & Type: IV by

DENR Authorized Agent: Mark Stevens ESPE Signature: Zach Peterson

FEE: 0.00

DATE: 4/17/2006

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY

GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 5684B

PERMIT NUMBER: 30000653

PARCEL NUMBER: 19960110

JOB LOCATION INFORMATION

ADDRESS: 10412 WILDLIFE

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28278

ISSUED TO: THE SANCTUARY AT LAKE WYLIE, LLC

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 3/15/2005

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30000653, 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. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

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.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 3/15/2010

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/15/06	**Amount:**	150.00
Receipt #:	43906	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: B97830
Contractor: PROVIDENT HOMES INC
Attn:
Address: 6707 FAIRVIEW RD SUITE B
Address:
City/State/Zip: CHARLOTTE, NC 28210

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 10412 WILDLIFE RD/FILE 5684B		1	150.00	150.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
180.00	400.00				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 05/15/06
Receipt #: 43907
Check / Auth #: CHARGE
Received By: CRAIGGY

Amount: 150.00
Tendered: 0.00
Returned: 0.00

Account Information

Account #: B97830
Contractor: PROVIDENT HOMES INC
Attn:
Address: 6707 FAIRVIEW RD SUITE B
Address:
City/State/Zip: CHARLOTTE, NC 28210

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 10412 WILDLIFE RD/FILE 5684B		1	150.00	150.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
330.00	400.00				

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: **5684B**

Tax Number: **199-371-03**

- The IMPROVEMNET 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.

Basement: ☒ Yes ☐ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☒ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional

☒ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other

☐ Innovative or Experimental:

0.3 Long-term acceptance rate (GPD/ft^2)	600 Max gallons/day wastewater flow	1000 Absorption Area (ft^2)	8 Trench spacing (min. on centers) (ft)
Serviced by private well: ☐ Yes ☒ No	1500 Gallon septic tank	360 Total trench length (ft)	24 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
5 Bedrooms in residence	1500 Gallon pump tank	na Depth of stone (in)	

Any surface water present: **Yes** Type: **Lake Wylie** Minimum separation distance (ft): **50**

Additional conditions: **Install according to plans on file submitted by Toney Jacobs and Associates. Lot #28**

Repair Area System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☒ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional

☒ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other

☐ Innovative or Experimental:

1000 Absorption Area (ft^2) 360 Total trench length (ft)	na Depth of stone (in)	8 Trench spacing (min. on centers) (ft)	24 Maximum trench depth (in)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HELTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. The approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

*** No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

*** This Improvement permit is transferable.

3/15/05
DENR Authorized Agent Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, NC 28202
(704) 336-5103

3-15-06
Owner/Agent Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH, AND
NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

TONEY C. JACOBS & ASSOCIATES, INC.

Consulting Soil Scientists

Licensed by the North Carolina Board for Licensing of Soil Scientists

Certified by the American Registry of Certified Professionals in Agronomy, Crops and Soils

168 Broadbill Drive
Mooresville, NC 28117
Phone (704) 663-6905
Fax (704) 662-9845 E-mail jacobs@i-america.net

January 17, 2005

To: Mr. David Cornelius, R.S.
Mecklenburg County Env. Health Dept.

From : Toney C. Jacobs
Paul G. Penninger

RE: Request for an Improvement Permit for lot 28 at The Sanctuary:
MCHD file # 5684B

Crescent Resources is requesting an Improvement Permit for lot **28** at The Sanctuary Subdivision for a **5** bedroom, basement home. Mr. Bill Marlin of the MCHD evaluated the soils on 8-23-04 and determined the septic area is PS at an 0.3 gpd/ft^2 LTAR. Toney C. Jacobs and Associates, Inc. has flagged a LP PPBPS system and repair on the lot, as shown on the attached sketch.

We understand a building permit cannot be issued until your office issues an Authorization to Construct (ATC). The buyer of the lot 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 the proposed system may have to be modified prior to your office issuing the ATC. **No grading shall take place on 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 the installation of the septic systems that are greater that the state requirements. It will be the responsibility of TCWW to enforce any requirements above state requirements or the conditions on the Improvement Permit or ATC.

Please review the attached system sketch and design specifications for the Improvement Permit. Please call if you have and questions, comments, or corrections.

Design Specifications for Lot 28 at

The Sanctuary, MCHD File # 5684B

System Type:	primary: repair:	LP PPBPS LP PPBPS
Daily design flow:		600 gpd
Septic tank size:		1500 gal. (2 compartments)
Pumping tank size:		1500 gal.
Effluent loading rate:		0.3 gpd/ft^2 for primary and repair
Number and length of laterals:		6@ 60 ft.
Number of panels required:		13 per 60 ft. line for a total of 78 panels
Flow rate through the system:		39 gpm (use 3/16 in. holes with 3 ft. head pressure)
Pump requirements:		to be calculated by installer or owners agent when specific house and pump tank location are available
Dosing volume:		*approx. 280 gal. (3.6 gal. per panel) – 2.1 doses/day at design flow
Depth of water 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

*Note: Before placement of cap block, one panel on each line, near the center of the field should be observed filling to make certain that it does not overflow the top chamber into the air chambers. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.

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

Sheet: 1 of 2
Property ID: PO 199-371-03
Lot #: 28
File #: 5684B
Code: 2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary at Lake Wylie, LLC
Applicant: Toney Jacobs
Address: 10933 Ballantyne Crossing Ave., Charlotte, N. C. 28277
Date Evaluated: 8/23/2004
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: Approx. 2.0a
Location of Site: Old Camp Trail
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, 8	0-3	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		3-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	"	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					
3	LS, 10	0-4	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		4-48	SBK/C	FI/SEXP/S/P					
4	LS, 8	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					

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

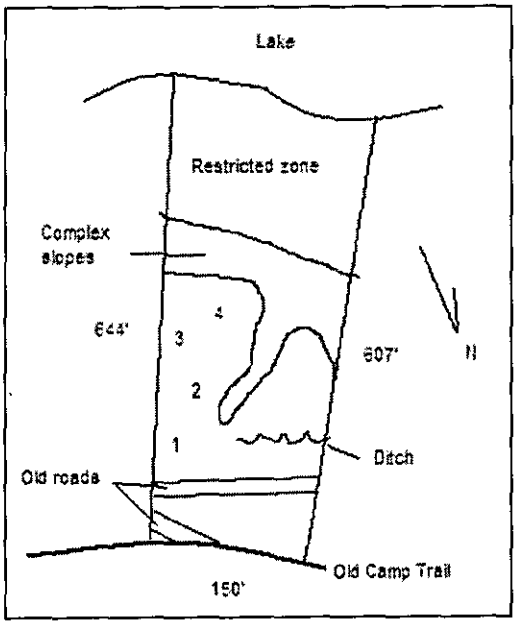
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 8/30/2004
Others Present:

COMMENTS:
100% repair

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



PROTECTED ZONE

BUFFER WITH FENCING (IF REQUIRED)
ALL ORANGE

50' LOWER LAKE WYLIE WATERSHED
OVERLAY DISTRICT CRITICAL AREA

50' ADDITIONAL SHORELINE BUFFER

RESTRICTED ZONE (N/A THIS SHEET)

FLOODPLAIN LINE

COMMON OPEN SPACE

PROTECTED CORRIDOR FENCING AS REQUIRED
(INSTALL ORANGE STREAM BUFFER
30' BLUELINE DRAINAGE ZONE

30' PROTECTED

1" = 50'

28
40'x100'
41,736 sq.ft.
3.25 ac.

27
160,324 sq.ft.
3.68 ac.

N29°39'50"E
644.68'

2" SCH 40 PVC SUPPLY LINE

20' RECREATIONAL SETBACK

N36°23'18"E
607.05'

VALVE BOX

40' SIDE(S) SETBACK (TYP.)

12.5'
12.5'
12.5'
10' REPAIR
10' REPAIR
10' REPAIR
10' REPAIR
10' REPAIR

8' REPAIR
15' REPAIR
10' REPAIR
10' REPAIR
10' REPAIR

DRIVE

DRIVE

100' FRONT SETBACK

51+00
52+00
53+00
54+00

590
602
604
606
608
610
612
614
616
618
620
622

15" PINE
18" PINE

L=150.18'
R=425.00'
N72°05'05"W
85.32'

L=127.57'
R=375.00'
N72°05'05"W
85.32'

L=167.47'
R=542.91'

The SANCTUARY

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

Sheet: 1 of 2
Property ID: PO 199-371-03
Lot #: 28
File #: 5684B
Code: 2

ACC

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: The Sanctuary at Lake Wylie, LLC
Applicant: Toney Jacobs
Address: 10933 Ballantyne Crossing Ave., Charlotte, N. C. 28277
Date Evaluated: 8/23/2004
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: Approx. 2.0a
Location of Site: Old Camp Trail
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, 8	0-3	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		3-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
2	"	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					
3	LS, 10	0-4	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		4-48	SBK/C	FI/SEXP/S/P					
4	LS, 8	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					

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

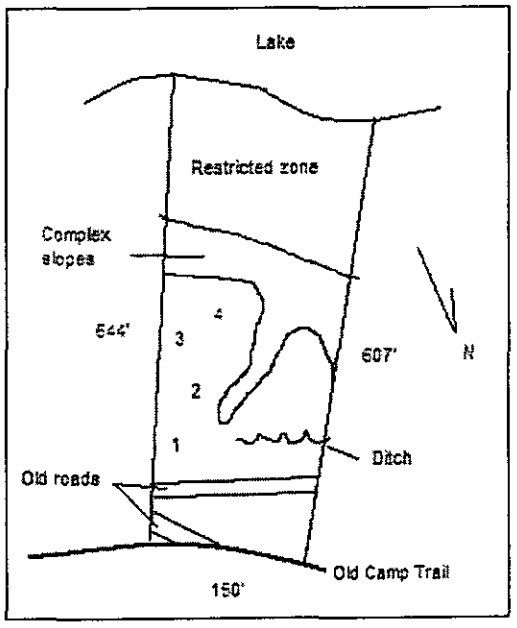
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W.R. Marlin, LSS, 8/30/2004, W R Marlin
Others Present:

COMMENTS:
100% repair

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



FEE: 200.00 CK #724

DATE: 8/13/04 SC

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

[ ] CRT

TYPE APPLICATION: X NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

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

FILE #: 56848

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 199-371-03 PO

STREET ADDRESS:

SUBDIVISION OR MOBILE HOME PARK NAME: The Sanctuary At Lake Wylie, LLC

LOT NUMBER: 28 PH 2

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
X HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS: 5

NUMBER OF OCCUPANTS:

CLOSING DATE

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT
__ ON SLAB
__ CRAWL SPACE
X WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE:

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
__ SHARED WELL (S)
✓ MUNICIPAL (M)
__ OTHER 'SPRINGS' (O)
__ PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES — __ YES ✓ NO
EXISTING WASTEWATER SYSTEMS — __ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS — ✓ YES __ NO
WELL, SPRINGS OR WATERLINES — __ YES ✓ NO
DESIGNATED WETLANDS — __ YES ✓ NO

PROPERTY OWNER:

NAME: (LAST) The Sanctuary At Lake Wylie, LLC (FIRST) (MI)

ADDRESS: 10933 Ballantyne Corporate Ave

CITY: Charlotte STATE: NC ZIP: 28277

DAYTIME PHONE: 704 544-0201 ext 226

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) Jacobs (FIRST) Tony (MI) C

DAYTIME PHONE: 704 663-6905

m 704 582 9219

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

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

SIGNED: Tony C Jacobs, CPSS (Agent) DATE: 8-13-04

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102