

9801 BRIEF RD

13930215

1/11/2008

duponbj

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

FILE NUMBER: 7099B

Revised On: January 3, 2007

APPLICATION NUMBER: 2210

SEPTIC FEE: _____
DATE: _____

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: 139-302-15
STREET ADDRESS: 9801 [redacted] Brief Rd
CITY: Charlotte
STATE: NC **ZIP:** 28227
SUBDIVISION NAME: undecided
LOT #: 24 **LOT SIZE (acres):** .70
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: 3000+
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS:
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 1 ☒ ACCEPTED 3 ☒ INNOVATIVE 2 ☒ ALTERNATIVE 4 ☒ OTHER 5 _____

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: Tom Black
ADDRESS: 9018 Blair Road
CITY: Charlotte
STATE: NC ZIP: 28227
HOME PHONE (704) 641-4470 WORK PHONE:
MOBILE PHONE: FAX:

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: [redacted] Reserve Properties
ADDRESS: 1101 Lester Mullis Rd
CITY: Indian Trail
STATE: NC ZIP: 28079
HOME PHONE (704) 641-4470 WORK PHONE:
MOBILE PHONE: FAX:

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 1972
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? 30 days

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] 4/23/07
Property Owner's or Owner's Legal Representative Signature Date

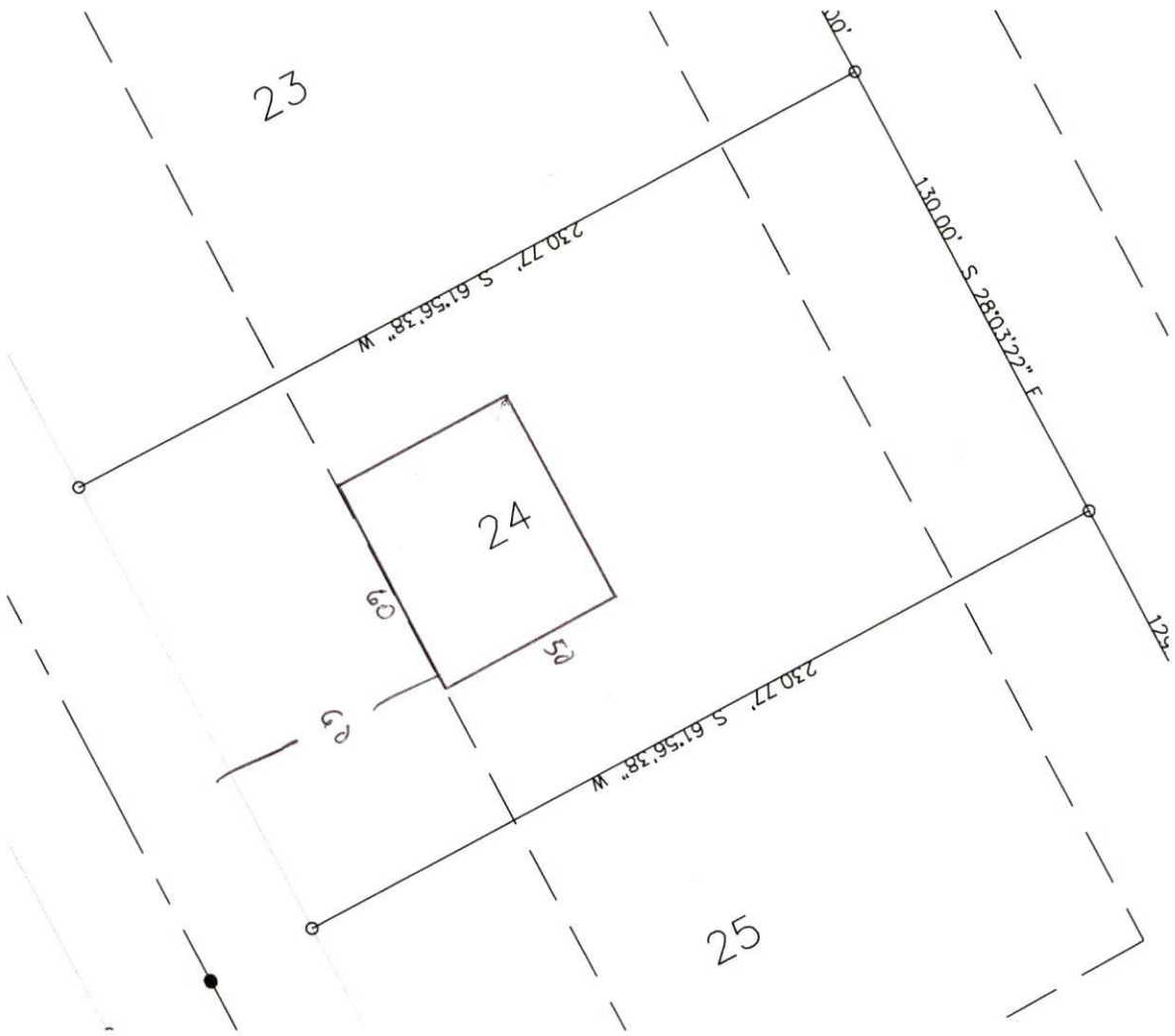
15. WELL PERMIT APPLICATION SIGNATURE SECTION:
If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county 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

1" = 50'

7099B



MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	04/23/07	**Amount:**	5,000.00
Receipt #:	50271	**Tendered:**	0.00
Check / Auth #:	VISA 009332	**Returned:**	0.00
Received By:	AIDOOJK		

Account Information

Account #: 200000
Contractor: RESERVE PROPERTIES
Attn: COLLINS JOSEPH SCOT
Address: 1101 LESTER MULLIS ROAD
Address:
City/State/Zip: INDIAN TRAIL, NC 28079

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen BRIEF ROAD LOT 1-25		1	5,000.00	5,000.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
50.00					

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

Sheet: 1 of 2
Property ID: PO 139-302-15
Lot #: 24
File #: 7099B
AppID: 2210

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Tom Black
Applicant: Reserve Properties
Address: 9018 Blair Road, Charlotte, N. C. 28227
Date Evaluated: 5/10/07
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: .69a
Location of Site: Greyson Manor Drive
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		b 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, 8	0-3	GR/SICL	FR/SEXP/SS/SP	>18" TO SOIL WETNESS	18	N/A	NONE	US
		3-12	SBK/SICL	"					
		12-15	SBK/SIC	FI/SEXP/S/P					
		15-18	SBK/SIC	VFI/EXP/VS/VP					
2	"	0-2	GR/SICL	FR/SEXP/SS/SP	>35" TO SOIL WETNESS	35+	"	"	US, IV .2GPD/FT^2
		2-20	SBK/SICL	"					
		20-32	SBK/SIC	FI/SEXP/S/P					
		32-35	"	VFI/EXP/VS/VP					
3	"	0-4	GR/SICL	FR/SEXP/SS/SP	>40" TO SOIL WETNESS	40	"	"	"
		4-32	SBK/ABK/SIC	FI/SEXP/S/P					
		32-40	"	VFI/EXP/VS/VP					
4	"	0-4	GR/SICL	FR/SEXP/SS/SP	>29" TO SOIL WETNESS	29	"	"	"
		4-24	SBK/ABK/SIC	FI/SEXP/S/P					
		24-29	M/SICL	FR/SEXP/SS/SP					
					SITE LTAR .2GPD/FT^2				

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

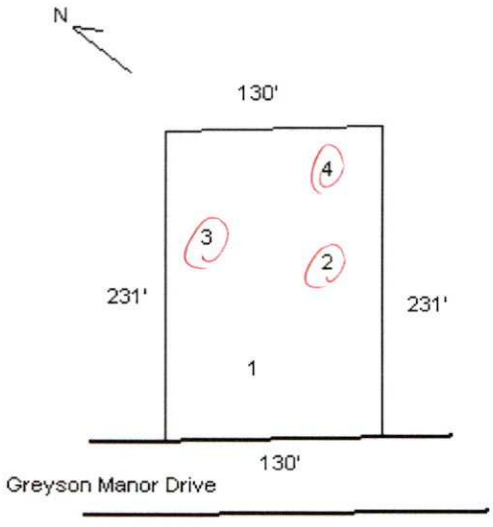
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 5/14/2007,
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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-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				
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



DAN SPANGLER
LICENSED SOIL SCIENTIST
802 BRADFORD PLACE
MONROE NC 28110-9055

~~GWS Septic System Design Review~~ 7099B

GWS File #: 7099B Approved ☐ Disapproved ☒

Design Review: TG 6/20/08 ☐ ☒

Field Review: _____ ☐ ☐

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

TO: Reserve Properties Inc.
1101Lester Mullis Road
Indian Trail, NC 28079

FROM: Dan Spangler

SUBJECT: Septic system design on Lot 24 in Granite Ridge Subdivision, Brief Road, Mecklenburg Co., NC.

DATE: June 2, 2008

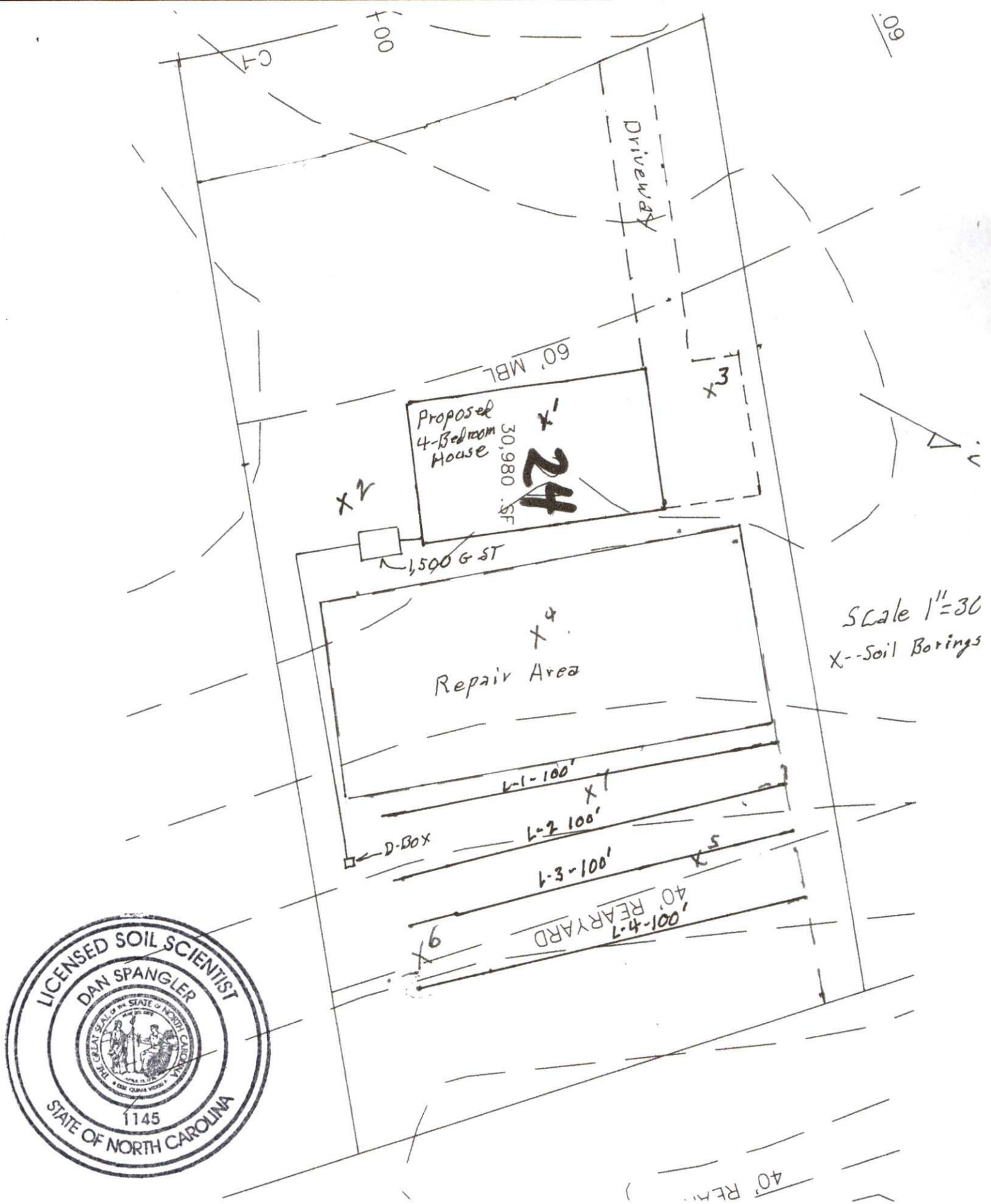
5 BEDROOM APPLICATION ON FILE.

Lot 24 has an area that is **SUITABLE** for conventional or Innovative (EZflow) septic system. The soils are group 4 with mean depth to saprolite 26 inches and >30 inches to a seasonal water table. The septic system for a four bedroom house requires 400 linear feet of lines for the EZflow System. With an LTAR of 0.3 gpd/ft square, design flow of 480 GPD or 400 feet of lateral length of lines for an EZflow System required. The system should be in the back part of the lot and have four lines at 100 feet for a total 400 liner feet. The trenches shall be 36 inches wide and not less than nine feet on center. The trench depths may vary between 12 and 14 inches. This system also requires 6 to 8 inches of cover material. The repair area is up slope and can have the same EZflow system with four lines @ 100 feet for a total of 400 linear feet. (See attached lot map, design specifics, and soil/site evaluation.)

The above soils report is my opinion as a licensed soil scientist; however, wastewater treatment systems must be approved by the local health department.

Mecklenburg County Environmental Health

* MCHD SOIL REPORT INDICATES SITE LTAR = 0.2.


Driveway
60' MBL
Proposed 4-Bedroom House
30,980 SF
24
X1
X2
X3
1,500 G ST
X4
Repair Area
L-1-100'
L-2 100'
L-3-100'
L-4-100'
D-Box
X5
X6
40' REARYARD
Scale 1"=30
X--Soil Borings
LICENSED SOIL SCIENTIST
DAN SPANGLER
1145
STATE OF NORTH CAROLINA

DESIGN SPECIFICS

Lot 24 Granite Ridge Subdivision

Daily Design Flow:	**480 GPD – 4 bedroom house**
Septic Tank Size:	**1500 gallons (2 compartments)**
Pump Tank Size:	**N/A**
Effluent Loading Rate:	**Design = 0.3 GPD per sq. ft** **25% reduction for EZflow**
Number and Size of Laterals:	**4 lines @ 100 ft EZflow**
Trench Depths:	**12 to 14 inches**
Trench Spacing:	**9 feet on center (minimum)**
Trench Width:	**36 inches**



DAN SPANGLER
802 BRADFORD PLACE, MONROE, NC 28110
MOBILE: (704) 291-1909 OFFICE/ FAX: (704) 282-2319

PROPERTY ID #: 139-302-15
PROPERTY RECORDED: —
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

APPLICANT: Reserve Properties Inc. OWNER: ☐ AGENT: ☑ PHONE: 704-641-5898
ADDRESS: 1101 Lester Mullis Road, Indian Trail, NC 28079
DATE EVALUATED: 9/18/07
PROPOSED FACILITY: 4-Bedroom House
PROPERTY SIZE: 30,980 SF
LOCATION OF SITE: Lot 24, Granite Ridge
WATER SUPPLY: On-Site Well ☐ Comm. Well ☐ Public ☑ Other _____ EVALUATION METHOD: Auger Boring ☑ Pit ☐

PROFILE #	.1940 LANDSCP POS./ SLOPE %	HORIZON DEPTH (IN.)	.1941 (a)(1) TEXTURE	.1941 (a)(2) STRUCTURE	.1941 (a)(3) MINEROLOGY		
1	Ridge	A-0-12"	Bro SL	fr. 2fgr	SO/PO	.1942 WETNESS CONDITION	- 32"
30 2 90'	2%	Bt 12-32	5YR5/8 SCL	fi. 2msbk	S/P	.1943/.1956 SAPROLITE	- 42"
west of		Bt.32-42	5YR4/8 HC	vfr. 1CAbk	VS/VP	.1944 RESTRICTIVE HORIZON	- 32"
SW corna						.1948 PROFILE CLASSIFICATION	- SC
& 75' to						PROFILE LTAR	- 0.12
South PL						SYSTEM TYPE	-
		COMMENTS: Helena					
2	Ridge	A-0-12"	Bro SL	fr 2fgr	SO/PO	.1942 WETNESS CONDITION	- 26"
100' East	2%	Bt. 12-36"	7.5YR5/6C	fi 2msbk	SS/SP	.1943/.1956 SAPROLITE	- 32"
of SW		BC 36-39"	7.5YR5/6 SL	vfi 1CAbk	S/P	.1944 RESTRICTIVE HORIZON	- 28"
corner		C 32"	—	—	—	.1948 PROFILE CLASSIFICATION	- PS
& 30' North						PROFILE LTAR	- 0.15
						SYSTEM TYPE	- LPP
		COMMENTS: Helena					
3	Ridge	A-0-10"	Bro fSL	fi 1mgr	SO/PO	.1942 WETNESS CONDITION	- 40"
50' North	9%	Bt. 10-40"	2.5YR4/6C	fi 2msbk	S/P	.1943/.1956 SAPROLITE	- 40"
of SB-1		C-40"				.1944 RESTRICTIVE HORIZON	- 40"
						.1948 PROFILE CLASSIFICATION	- SC
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- conv.
		COMMENTS:					
4	Ridge	A-0-10"	Bro fSL	fi 1mgr	SO/PO	.1942 WETNESS CONDITION	- 32"
50' East	3%	Bt. 10-32"	5YR4/6 C	fi 2msbk	S/P	.1943/.1956 SAPROLITE	- 40
of SB-1		Bt. 32-40	Mod. HC	vfi 1CAbk	~~EXS~~/EXP	.1944 RESTRICTIVE HORIZON	- 32"
						.1948 PROFILE CLASSIFICATION	- PS
						PROFILE LTAR	- 0.2 0.15
						SYSTEM TYPE	- ~~LPP~~ LPP
		COMMENTS: Helena					

DAN SPANGLER
802 BRADFORD PLACE, MONROE, NC 28110
MOBILE: (704) 291-1909 OFFICE/ FAX: (704) 282-2319

PROPERTY ID #: 139-302-15
PROPERTY RECORDED:
COUNTY: Mecklenburg

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

APPLICANT: Reserve Properties INC OWNER: ☐ AGENT: ☑ PHONE: 704-641-5898
ADDRESS: 1101 Lester Mullis Road Indian Trail, NC 28079
DATE EVALUATED: 5/14/08
PROPOSED FACILITY: 4-Bedroom House
PROPERTY SIZE: 30,980 SF
LOCATION OF SITE: Lot 24 - Granite Ridge
WATER SUPPLY: On-Site Well ☐ Comm. Well ☐ Public ☑ Other _____ EVALUATION METHOD: Auger Boring ☑ Pit ☐

PROFILE #	.1940 LANDSCP POS./ SLOPE %	HORIZON DEPTH (IN.)	.1941 (a)(1) TEXTURE	.1941 (a)(2) STRUCTURE	.1941 (a)(3) MINEROLOGY		
#5	SS	0-78 BT	Red CL	Hr. 2fsbk	55/SP	.1942 WETNESS CONDITION	- 72"
45' South	5%	C - 78	Mot L	—	—	.1943/.1956 SAPROLITE	- 78
of NPL						.1944 RESTRICTIVE HORIZON	- 72"
+ 40' West						.1948 PROFILE CLASSIFICATION	- PD
of Epof						PROFILE LTAR	- 0.3
P/L						SYSTEM TYPE	- Shallow Conv.
		COMMENTS: Evoled Pacolet					
#7	SS	0-76 BT	Red C	Hr. 2fsbk	SS/SP	.1942 WETNESS CONDITION	- 78"
SB-9	5%	76-36 CB	Red CL	Hr. 1csbk	SS/SP	.1943/.1956 SAPROLITE	- 76"
SB-9						.1944 RESTRICTIVE HORIZON	- 72"
						.1948 PROFILE CLASSIFICATION	- PS
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- Shallow Conv.
		COMMENTS: Pacolet					
#6	SS BT	0-76	Red CL	Hr. 2fsbk	SS/SP	.1942 WETNESS CONDITION	- 730"
	5%	C - 76'	Red L	—	—	.1943/.1956 SAPROLITE	- 76"
						.1944 RESTRICTIVE HORIZON	- 726"
						.1948 PROFILE CLASSIFICATION	- PD
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- Shallow Conv.
		COMMENTS: Evoled Pacolet					
4						.1942 WETNESS CONDITION	-
						.1943/.1956 SAPROLITE	-
						.1944 RESTRICTIVE HORIZON	-
						.1948 PROFILE CLASSIFICATION	-
						PROFILE LTAR	-
						SYSTEM TYPE	-
		COMMENTS:					

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

WORK ORDER

Work Order Information

Work Order Number: **76786**
Work Order Type: **Septic Design Review**
Submitted To: THOMASON, TREVOR
Date Initiated: 6/26/08 2:56:01 PM
Date Completed: 6/26/08 2:56:00 PM
Date Closed: 6/26/08 2:58:54 PM
Unattached WO: Y
Associated SR Number:

Priority: **3**
Status: CLOSED

Initiated By: THOMASON, TREVOR
Completed By: THOMASON, TREVOR
Closed By: THOMASON, TREVOR

Location

Address: **13930215**
Location: Lot #24 Granite Ridge 7099B

Instructions

1. Create one work order for each design reviewed.
2. Geocode the location using the site address.
3. Attach the appropriate GIS feature from either the Permitted_Septic_Systems_WASPS data layer under the ENTITIES tab.
4. Select the appropriate TOWN under the DETAILS tab.
5. All documentation associated w/ the review should be included as attachments.
6. Complete all applicable fields under the CUSTOM tab.
7. Enter time for labor required to complete all work associated w/ the review.
8. Use the COMMENTS field to document work activities.

Comments

By THOMASON, TREVOR: 6/26/08 2:58:53 PM
Design review disapproved for the following:

5 bedroom application on file. Plan indicates system design for 4 bedrooms.

MCHD soil report indicates site LTAR = 0.2 not 0.3 listed on plan.

Revised plan required in order to continue processing application.