

9801 BRIEF RD

13930215

1/11/2008

duponbj

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

FILE NUMBER: 7084B

Revised On: January 3, 2007

APPLICATION NUMBER: 2195

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 #: 9 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):*

	☐ ANY TYPE	☒ CONVENTIONAL	☒ ACCEPTED	☒ INNOVATIVE	☒ ALTERNATIVE	☒ OTHER _____
8A. RANK:		1	3	2	4	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 Mills 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.

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'

7084B



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 #: 9
File #: 7084B
AppID: 2195

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Tom Black
Applicant: Reserve Properties
Address: 9018 Blair Road, Charlotte, N. C. 28227
Date Evaluated: 5/24/07
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 .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	0-3	GR/CL	FR/SEXP/SS/SP	>41" TO SOIL WETNESS	41	N/A	NONE	PS, IV .3GPD/FT^2
		3-36	SBK/C	FI/SEXP/S/P					
		36-41	SBK/CL	FR/SEXP/SS/SP					
2	LS, 12	0-4	GR/SCL	"	>44" TO SOIL WETNESS	44+	"	"	PS, IV .25GPD/FT^2
		4-10	SBK/CL	"					
		10-34	SBK/C	FI/SEXP/S/P					
		34-41	SBK/CL	FR/SEXP/SS/SP					
		41-44	SBK/ABK/C	VFI/EXP/VS/VP					
3	LS, 15	0-4	GR/SCL	FR/SEXP/SS/SP	>36" TO SOIL WETNESS	36+	"	"	US, IV .225GPD/FT^2
		9-34	SBK/ABK/C	FI/SEXP/S/P					
		34-36	"	VFI/EXP/VS/VP					
4	LS, 10	0-8	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26+	"	"	US
		8-24	SBK/ABK/C	FI/SEXP/S/P					
		24-26	"	VFI/EXP/VS/VP					
					SITE LTAR .25GPD/FT^2				

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

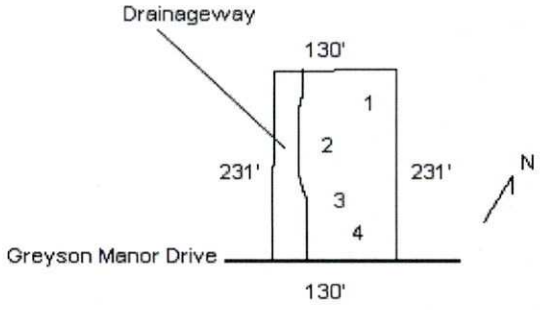
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 5/29/2007, W. R. Marlin
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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



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					

DAN SPANGLER
LICENSED SOIL SCIENTIST
802 BRADFORD PLACE
MONROE NC 28110-9355

7084B

GWS Septic System Design Review

GWS File #: 7084B

Approved **Disapprov**

Design Review: TCT 6/26/08 ☐ ☒

Field Review: _____ ☐ ☐

***Projects are not considered "APPROVED" until both sections abo 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 9 in Granite Ridge Subdivision, Brief Road, Mecklenburg Co., NC.

DATE: June 2, 2008

5 BEDROOMS LISTED ON APPLICATION

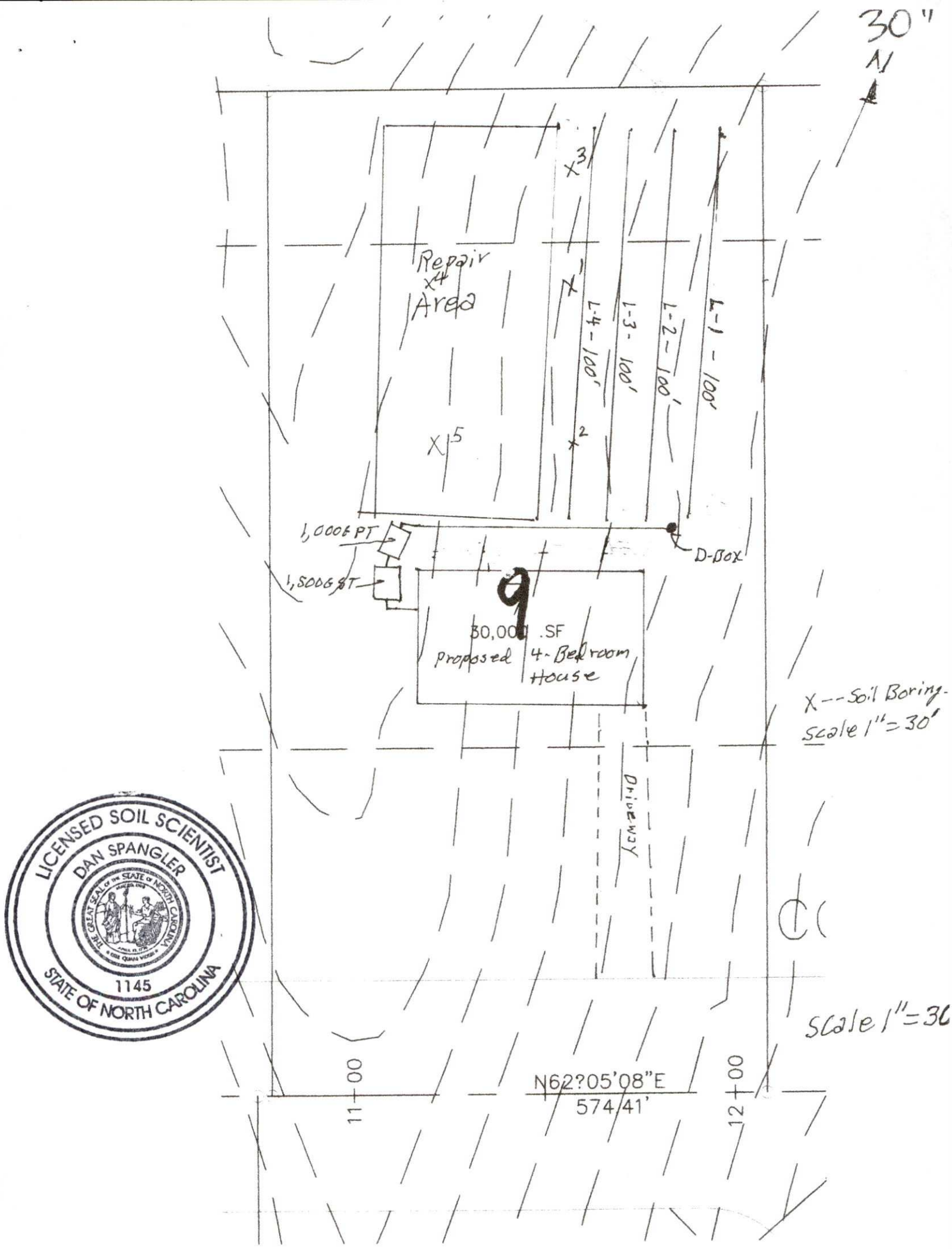
Lot 9 has an area that is **SUITABLE** for conventional or Innovative (EZflow) septic system. The soils are group 4 with mean depth to saprolite 34 inches and more than 42 inches to a seasonal water table. The septic system for a four bedroom house requires 400 linear feet of lines for the EZflow System. 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 18 and 22 inches. The repair area is down 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

* SOIL REPORT INDICATES LTAR OF 0.25 FOR AUGER BORING #2. SITE LTAR = 0.25.

* ENSURE THAT REPAIR AREA MEETS REQUIRED SETBACKS FROM DRAINAGE FEATURE.


30"
N
Repair Area
X4
X3
X2
X1.5
7'
1-4-100'
1-3-100'
1-2-100'
1-1-100'
1,000 GPT
1,500 GST
D-Box
9
30,000 SF
proposed 4-Bedroom
House
X--Soil Boring-
Scale 1"=30'
Scale 1"=30
11+00
12+00
N62?05'08"E
574.41'
LICENSED SOIL SCIENTIST
DAN SPANGLER
1145
STATE OF NORTH CAROLINA

DESIGN SPECIFICS

Lot 9 Granite Ridge Subdivision

Daily Design Flow:	**480 GPD – 4 bedroom house**
Septic Tank Size:	**1500 gallons (2 compartments)**
Pump Tank Size:	**1000 gallons (one piece)**
Effluent Loading Rate:	**Design = 0.3 GPD per ft/sq**
	25% reduction for EZflow
Supply Length and Diameter:	**Approx. 70ft of 2" Sch. 40**
	PVC (please see note)
Number and Size of Laterals:	**4 lines @ 100 ft**
Trench Depths:	**18 to 22 inches**
Trench Width:	**36 inches**
Trench Spacing:	**9 feet on center (minimum)**
Dosing Volume:	**195 gallons per dose**
Flow Rate through system:	**25 gallons per minute**
Elevation Head:	**15 feet (may vary, see note)**
Pressure Head:	**2 feet**
Pump Requirements:	**25 GPM at 18.1 TDH**
Depth of Water Pumped:	**9.3 check with tank manufacturer**
Pump Run:	**7.8 minutes**

*** Please note that supply line and elevation head measurements are approximate. It is the contractor's responsibility to confirm these values based upon the actual house and plumbing location. If there is a discrepancy, contact the system designer prior to beginning construction.**



Lot-9, Granite Ridge Subdivision

Owner: Reserve Properties Inc.

Tax Map: _____ Parcel #: Lot-9 Date: 5/4/08

Line #	Tap Diameter(in)	Tap (Sch)	Tap Flow (gpm)	Line Length (ft)	Flow / foot
1	D-Box		6.25	100	0.0625
2	"		6.25	100	"
3	"		6.25	100	"
4	"		6.25	100	"
5			25 GPM		
6					
7					
8					
9					
10					

400 ft of line x 65 gal. per 100 ft = _____ _____ ÷ 100 = 260 gal
75% x 260 gal = 195 **gal per dose** 25 gal per minute (gpm) = **Flow Rate**

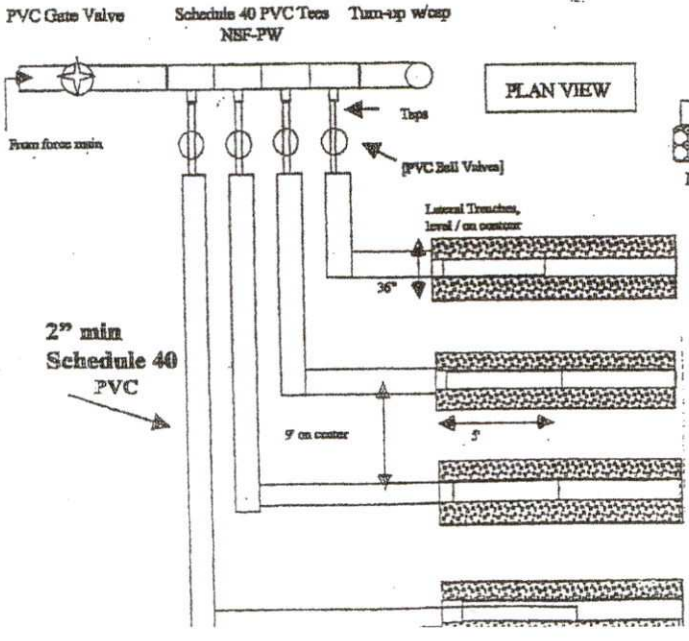
Friction Head
Loss: 1.28 ft per 100 ft of supply line x 70 ft of supply line ÷ 100 = 0.9 ft
0.9 ft x 1.2 = 1.1 ft of friction head

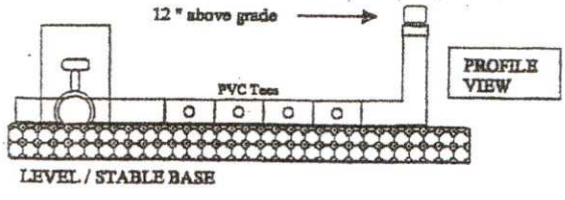
Manifold Size: — " **Force Main Size:** 2 " PVC
Total Dynamic Head = 15 ft of Elevation head + 2 ft of Pressure head + 1.1 ft of Friction Head = 18.1 TDH

Pump Requirement: 25 GPM @ 18.1 ft of Head
Drawdown: 195 gal per dose ÷ 21 gal per inch = 9.3 inch drawdown per dose

7.8 minute Pump Ra. Time

General Design Information





Manifold Size / # Taps

Manifold Size	Max No. Taps off one side (Reduce by ½ for tapping both sides)		
	½" taps	¾" taps	1" taps
2"	4	2	
3"	9	5	3
4"	16	9	5
6"	40+	21	12

Flow per Tap

Size	Material	Flow GPM
½"	Sched 80	5.5
½"	Sched 40	7.1
¾"	Sched 80	10.1
¾"	Sched 40	12.5

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 DATE EVALUATED: 2/29/08
Indian Trail, NC 28079 PROPOSED FACILITY: 4-Bedroom House
PROPERTY SIZE: 30,000 SF
LOCATION OF SITE: Granite Ridge, Lot 9
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		
L-9-1	SS	A-0-7"	Bro. fSL	fr. 2 mgr.	SO/PO	.1942 WETNESS CONDITION	- 736"
from NE	8%	Bt-7-36"	2.5YR 4/8 C	fr. 2 fsbk	S/SP	.1943/.1956 SAPROLITE	- 36"
corner		C-36"	—	—	—	.1944 RESTRICTIVE HORIZON	- 736"
50' S &						.1948 PROFILE CLASSIFICATION	- SC
50' West						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- Conv.
		COMMENTS: L-10-5B1-36. - Parcel of					
L-9-2	SS	A-0-6"	Bro fSL	fr. 2 mgr	SO/PO	.1942 WETNESS CONDITION	- 734"
40' South	8%	Bt 6-34"	2.5YR 4/8 C	fr. 2 fsbk	S/SP	.1943/.1956 SAPROLITE	- 34"
of 1		C-34"-40"	—	—	—	.1944 RESTRICTIVE HORIZON	- 734"
						.1948 PROFILE CLASSIFICATION	- SC
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- Conv.
		COMMENTS: L-10-5B3-32" SC - Parcel of					
L-9-3	SS	A-0-5"	Bro fSL	fr. 2 mgr	SO/PO	.1942 WETNESS CONDITION	- 740
36' North	8%	Bt 5-40"	2.5YR 4/6 C	fr. 2 fsbk	S/SP	.1943/.1956 SAPROLITE	- 740"
of #1						.1944 RESTRICTIVE HORIZON	- 740"
						.1948 PROFILE CLASSIFICATION	- SC
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- Conv.
		COMMENTS: Cecil					
L-9-4	SS	A-0-6"	Bro fSL	fr. [illegible]	SO/PO	.1942 WETNESS CONDITION	- 40
36' West	9%	Bt 6-40	2.5YR 4/8 C	fr. 2 fsbk	S/SP	.1943/.1956 SAPROLITE	- 40
of #1						.1944 RESTRICTIVE HORIZON	- 740
						.1948 PROFILE CLASSIFICATION	- SC
						PROFILE LTAR	- 0.3
						SYSTEM TYPE	- Conv.
		COMMENTS: Cecil					

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 DATE EVALUATED: 2/29/08
Indian Trail, NC 28079 PROPOSED FACILITY: 4-Bedroom House
PROPERTY SIZE: 30,000 SF
LOCATION OF SITE: Granite Ridge, Lot 9
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	
S	Toeslope	A-0-6	Bro fSL	Gr. 2MSBK	SO/PO	.1942 WETNESS CONDITION - 36
	6%	Bt. 6-36	SYR SCL	Fi 2MSBK	S/SP	.1943/.1956 SAPROLITE - 36
		C-36				.1944 RESTRICTIVE HORIZON - 736
						.1948 PROFILE CLASSIFICATION - SG
						PROFILE LTAR - 0.3
						SYSTEM TYPE - Conv.
		COMMENTS: Percolet				
						.1942 WETNESS CONDITION -
						.1943/.1956 SAPROLITE -
						.1944 RESTRICTIVE HORIZON -
						.1948 PROFILE CLASSIFICATION -
						PROFILE LTAR -
						SYSTEM TYPE -
		COMMENTS:				
						.1942 WETNESS CONDITION -
						.1943/.1956 SAPROLITE -
						.1944 RESTRICTIVE HORIZON -
						.1948 PROFILE CLASSIFICATION -
						PROFILE LTAR -
						SYSTEM TYPE -
		COMMENTS:				
						.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: **76783**
Work Order Type: **Septic Design Review**
Submitted To: THOMASON, TREVOR
Date Initiated: 6/26/08 2:20:35 PM
Date Completed: 6/26/08 2:20:00 PM
Date Closed: 6/26/08 2:25:51 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 #9 Granite Ridge 7084B

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 2:24:53 PM
Design review disapproved for the following:

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

MCHD soil report indicates LTAR for auger boring #2 = 0.25. Repair area LTAR = 0.25 not 0.3 listed.

Ensure that repair area meets required setbacks from drainage feature along western edge of lot.

Revised design required in order to continue processing application.

MECKLENBURG COUNTY
Health Department

June 8, 2007

Reserve Properties
1101 Lester Mullis Rd.
Indian Trail NC 28079

Re: Application for improvement permit for
Property Site: 9801 Brief Rd. Lot #9
Health Department file number: **7084B**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on May 29, 2007 evaluated the above-referenced property at the site designated on the plat that accompanied your improvement permit application. According to your application the site is to serve a five bedroom house, with a daily design flow of 600 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE** for a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☐ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☐ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☒ Unsuitable soil wetness condition (Rule .1942)
- ☒ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☒ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to groundwater or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or offsite to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d).A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is June 8, 2007. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

David Cornelius, RS
Authorized Agent - DENR

Encl: (2)