MECKLENBURG COUNTY
Health Department

Note To File

File Number: 8448B

Date : 10/21/13

Per a file review of the application, improvement permit, installation approval and the operation permit for the onsite wastewater system at 18420 Rosapenny Road. The site had been entered into WASPS with the wrong parcel number 217-311-33. The correct parcel number is 217-311-42. This resulted in the wrong parcel number printed on the improvement permit, construction Authorization and Operation permit. The Improvement permit, Construction Authorization and Operation permit number 30005462 GWS file Number 8448B is for Tax Parcel # 217-311-42. The correction was made in WASPS.

Lisa B. Corbitt, PG REHS
Program Manager
Groundwater & Wastewater Services

pd. 250.00 2/28/12 VAW

8448B

MECKLENBURG COUNTY HEALTH DEPARTMENT App # 5462

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ○ N/A ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ○ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. JOB LOCATION INFORMATION:
TAX PARCEL NUMBER: 217-311-42
STREET ADDRESS: 19506 Rocky River Rd
CITY: Charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME: N/A
LOT #: 8 LOT SIZE (acres): 0.979
TOWNSHIP:
◉ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. BUILDING INFORMATION:
BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER
HEATED SQUARE FOOTAGE: 3520
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: 3
FOUNDATION TYPE:
○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
◉ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC 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 ◉ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER ____

7. PROPOSED USE OF WELL: ○ N/A ○ IRRIGATION ◉ POTABLE (DRINKING WATER) ○ OTHER ____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED)*:
☐ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☑ OTHER 25% reduction

8A. RANK: ____ ____ ____ ____ ____

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 (SEPTIC) 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
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ◉ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ◉ NO
WASTE STORAGE	○ YES ◉ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ◉ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 2012 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? ____ ☑ N/A

12. PROPERTY OWNER:
NAME: William A Hodges
ADDRESS: 17224 Dye West Drive
CITY: Charlotte
STATE: NC ZIP: 28278
WORK PHONE: ____
MOBILE PHONE: 704 562-1279
FAX: ____
E-MAIL: gobillh@bellsouth.net

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: Toney C. Jacobs
ADDRESS: 168 Broadbill Dr
CITY: Mooresville
STATE: NC ZIP: 28117
WORK PHONE: 704 662 9845
MOBILE PHONE: 704 582 9219
FAX: 704 662 9845
E-MAIL: toneycjacobs@gmail.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

14. SEPTIC SYSTEM PERMIT APPLICATION:

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 sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

TCJ (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

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 twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

Tony C Jacobs — 2/20/12

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

---

OFFICE USE ONLY

O SURVEY PLAT TO SCALE SUBMITTED O SCALED SITE PLAN SUBMITTED O UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ 250.00 DATE FEE RECEIVED: 2/24/12

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

APPLICATION PROCESSED BY: lws

GWS FILE NUMBER ASSIGNED: 8448 B

APPLICATION ID NUMBER ASSIGNED: 5462

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

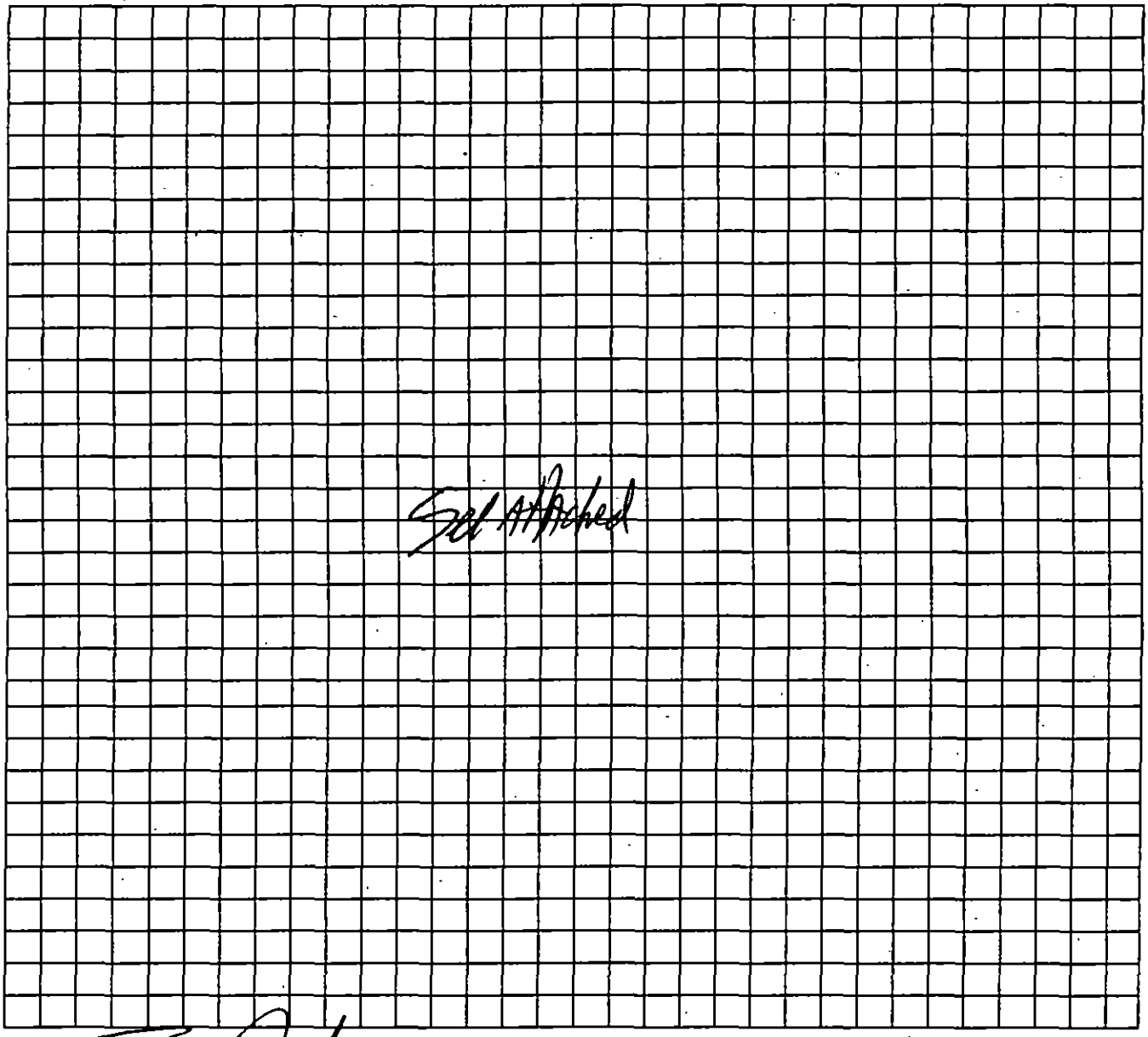
File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 18506 Rendezvous Rd Tax Parcel #: _____

Subdivision Name: NA Lot #: 8



Property Owner's or Owner's Legal Representative Signature

02/22/12
Date

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

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 #: **30005462** GWS File #: **8448B** Tax Parcel #: **217-311-34**

- 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):** 5/9/2017

Type of Installation: Residential - New System Lot Number: 8

Structure Type: HOUSE Size (ft^2): 3520 # Bedrooms: 4 # Occupants: 8

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Approved **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: Approved **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Distribution Box		

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: Philo Walker Owner/Legal Agent: Teresa C Jones
Print Name

Signature: Philo Walker REHS Signature: Teresa C Jones

Date Issued: 5/9/2012

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-8894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30005462** GWS File #: **8448B**

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 15 feet from any foundation drain.

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: Philo Walker

Signature: REHS

Date Issued: 5/9/2012

Owner/Legal Agent: Tonia C Jacobs
Print Name

Signature:

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 #: 8448 B Permit #: 30005462 Tax Parcel #: 217-311-34

Property Owner: Bill Hodges

Job Location Address: 15826 Rosapenny Rd.

City: Charlotte State: NC Zip Code: 28278

Operation Permit Issuance Date: May 23, 2013 Contractor Name: Steve Autry

Permitted Design Flow: 480 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: N/A gallons

Effluent Pump Model: N/A.

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 4 @ 100 feet

Depth of Media: 12 inches (Type) _____

Depth of Cover: 12 inches

Distribution Device: D Box

Inspection Dates

Tank(s) Inspected: 05-23-13

Excavation Inspected: 05-23-13

Pump & Controls Inspected: N/A.

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 _____

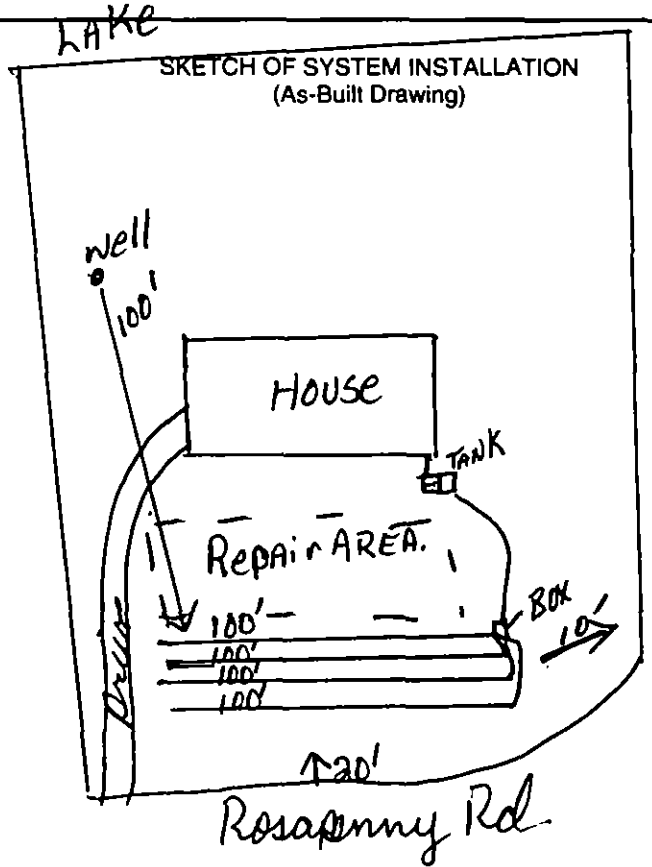
System Installation Setbacks

Distance from Building Foundation: >5 feet

Distance from Property Line: >10 feet

Distance from Water Supply Source: 100 feet

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



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: III g EZ1203TG NA NA

DENR Authorized Agent: Joshua R. Sellers Signature: Joshua R. Sellers

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 #: 8448B Permit #: 30005462 Tax Parcel #: 217-311-34

Property Owner: Bill Hodges

Job Location Address: 15806 Rosapenny Rd.

City: Charlotte State: NC Zip Code: 28278

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIg

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☐

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☑ System does not require inspection by GWS on a routine frequency.

☐ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other:

DENR Authorized Agent: Joshua R. Sellers Date: 5/23/13

Signature: Joshua R. Sellers R.S.

FEE: 200.00
DATE: 8/21/2013

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 8448B

PERMIT NUMBER: 30005462

PARCEL NUMBER: 21731133

JOB LOCATION INFORMATION

ADDRESS: 18506 ROSAPENNY RD

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

ISSUED TO: William A Hodges

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 5/9/2012

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30005462, 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: 5/9/2017

IS TO PROVIDE STORMWATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.

SEWER SERVICE BY SEPTIC TANK SYSTEM ONLY

THESE LOTS ARE SUBJECT TO THOSE COVENANTS, CONDITIONS AND RESTRICTIONS FOR PARCEL A RECORDED IN THE MECKLENBURG COUNTY PUBLIC REGISTRY WHICH PROVIDE THAT:

ALL RESIDENCES AND IMPROVEMENTS TO BE LOCATED UPON THESE LOTS SHALL HAVE SEWER DISPOSAL SERVICE AND FACILITIES PROVIDED EXCLUSIVELY BY AN INDIVIDUAL SEPTIC TANK SYSTEM TO BE INSTALLED AND OPERATED BY THE OWNER OF SAID LOT AND EACH OWNER OF SAID LOT AND EACH OWNER, BY ACCEPTANCE OF A DEED TO THE LOT, EXPRESSLY AND PERMANENTLY WAIVES THE RIGHT TO PETITION OR REQUEST SEWER SERVICE FROM ANY GOVERNMENTAL AUTHORITY (INCLUDING CMUD). EACH LOT OWNER, ON BEHALF OF ITSELF, ITS HEIRS SUCCESSORS AND ASSIGNS, SHALL HAVE THE RIGHT TO ENFORCE THIS COVENANT AGAINST ANY OTHER OWNER OF THESE LOTS, THEIR HEIRS, SUCCESSORS AND ASSIGNS.

THIS PLAT CONTAINS LOTS WITHIN A SPECIAL FLOOD HAZARD AREA AS DESIGNATED ON FIRM PANELS 3710348800J DATED 3-2-09

THIS PROPERTY LIES WITHIN THE CRITICAL AREA OF THE LOWER LAKE WYLIE WATERSHED.

ANY CONSTRUCTION OR USE WITHIN ANY DELINEATED FLOOD AREA IS SUBJECT TO THE RESTRICTIONS IMPOSED BY THE FLOODWAY REGULATIONS.

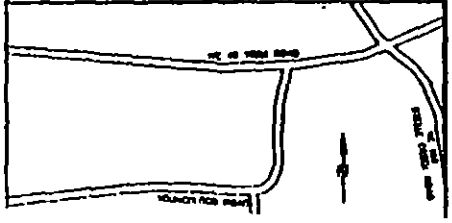
ALL DISTANCES SHOWN ARE GROUND DISTANCES TO OBTAIN GRID DISTANCES USE THE GRID FACTOR OF 0.999965368

PROPERTY MAY BE SUBJECT TO RESTRICTIONS IN DEED: 11715-848.

I state that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Deed Book 21072, Page 918); that the boundaries not surveyed are indicated as drawn from information in Map Book 50 Page 432; that the ratio of precision or positional accuracy is pt EXCESS OF 1:10,000; and that this map meets the requirements of the Standards of Practice for Land Surveying in North Carolina (21 NCAC 56. 1600)." This 18 day of February, 2012.

LINE TABLE		
LINE	LENGTH	BEARING
L82	40.31	S87°57'49"E
L83	37.74	S83°10'29"E
L84	62.11	N84°50'03"E
L85	36.70	S75°06'57"E
L86	34.24	N80°24'25"E
L87	14.71	N57°18'50"E

CURVE TABLE				
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C3	212.52	63.48	63.24	N05°08'08"E	17°06'51"
C13	212.52	124.25	122.49	N30°26'28"E	33°29'53"
C14	121.82	102.07	99.11	N71°08'45"E	48°00'22"
C19	50.00	13.67	13.63	N49°28'50"E	15°40'01"
C20	50.00	20.15	20.02	N68°51'37"E	23°05'35"
C21	50.00	21.36	21.20	S87°21'16"E	24°28'38"



MAP FOR

SEPTIC FIELD EXHIBIT FOR LKW PROPERTIES, LLC

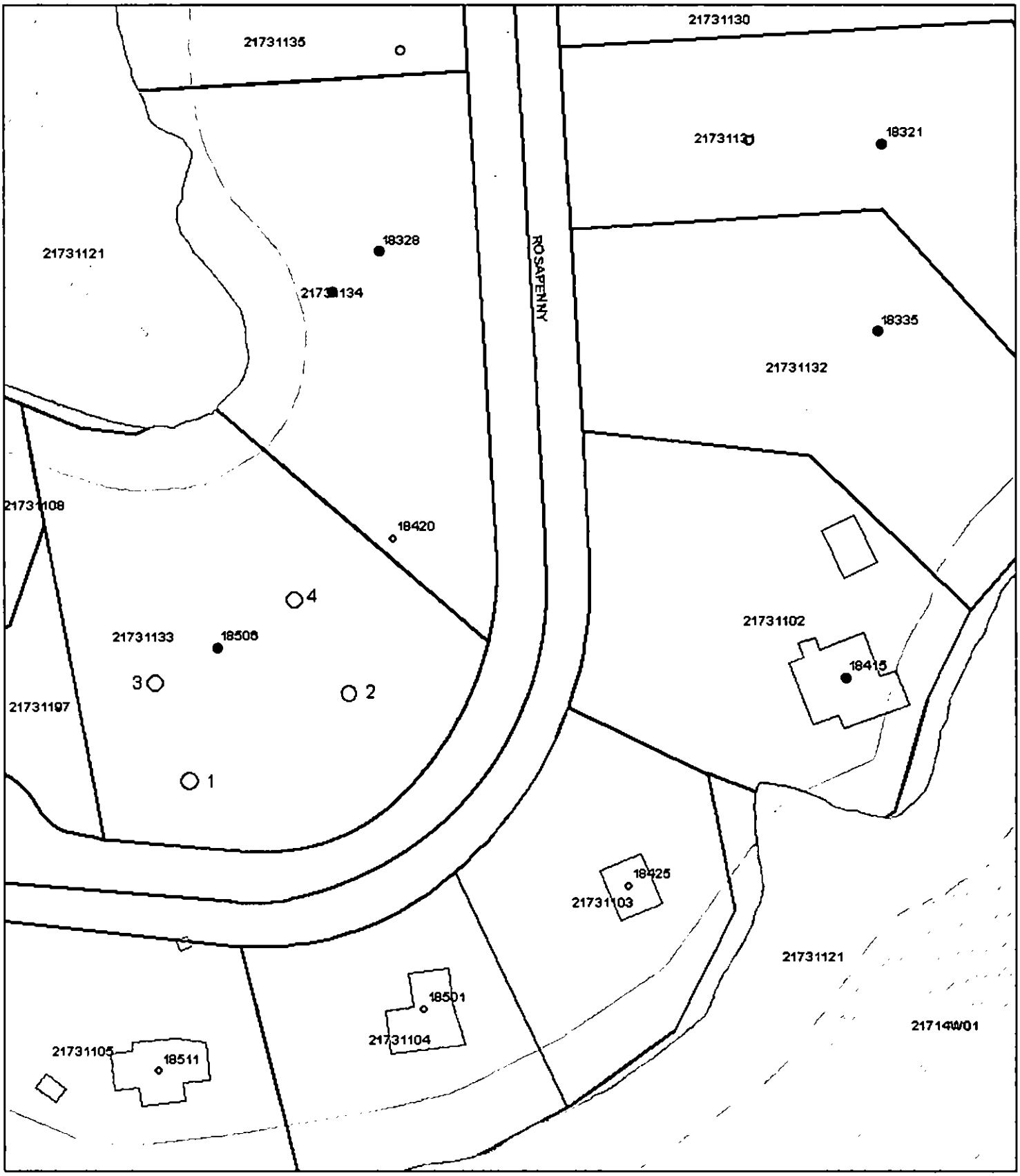
SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" = 50'	STEELE CREEK	MECK.	N.C.	02/17/1

ROSAPENNY ROAD

LOT 8 ROSAPENNY ROAD MAP 1 REV

YARBROUGH - WILLIAMS & HOULE, INC.

soil test
18506 Rosapenny Rd Lot 8



Philo Walker
5/9/12 REHS

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

Sheet:
Property ID:
Lot #: 8
File #: 8448B
AppID:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: WILLIAM HODGES
Applicant: TONY JACOBS
Address: 17224 DUE WEST DR, CHARLOTTE NC 28278
Date Evaluated: 2/7/2012
Proposed Facility: RESIDENCE Design Flow (.1949) 482
Property Size:
Location of Site: 18506 ROSAPENNY RD
Property Recorded:
Water Supply: [ ] Public [X] Individual [X] 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 6	0-8	GR/SCL	FR/SEXP/SS/SP					
		8-23	SBK/C	FI/SEXP/S/P	NONE	>48"	N/A	NONE	0.3GPD/FT2
		23-48	SBK/CL	FR/SEXP/SS/SP					
		0-4	GR/SCL	FR/SEXP/SS/SP					
2	LS 6	4-48	SBK/C	FI/SEXP/S/P	NONE	>48"			0.3GPD/FT2
							N/A	NONE	
3	LS 6	0-3	GR/SL	FR/SEXP/SS/SP					
		3-48	SBK/C	FI/SEXP/S/P	NONE	>48"			0.3GPD/FT2
							N/A	NONE	
4	LS 6	0-6	GR/SCL	FR/SEXP/SS/SP					
		6-48	SBK/C	FI/SEXP/S/P	NONE	>48	NA	NONE	0.3GPD/FT2

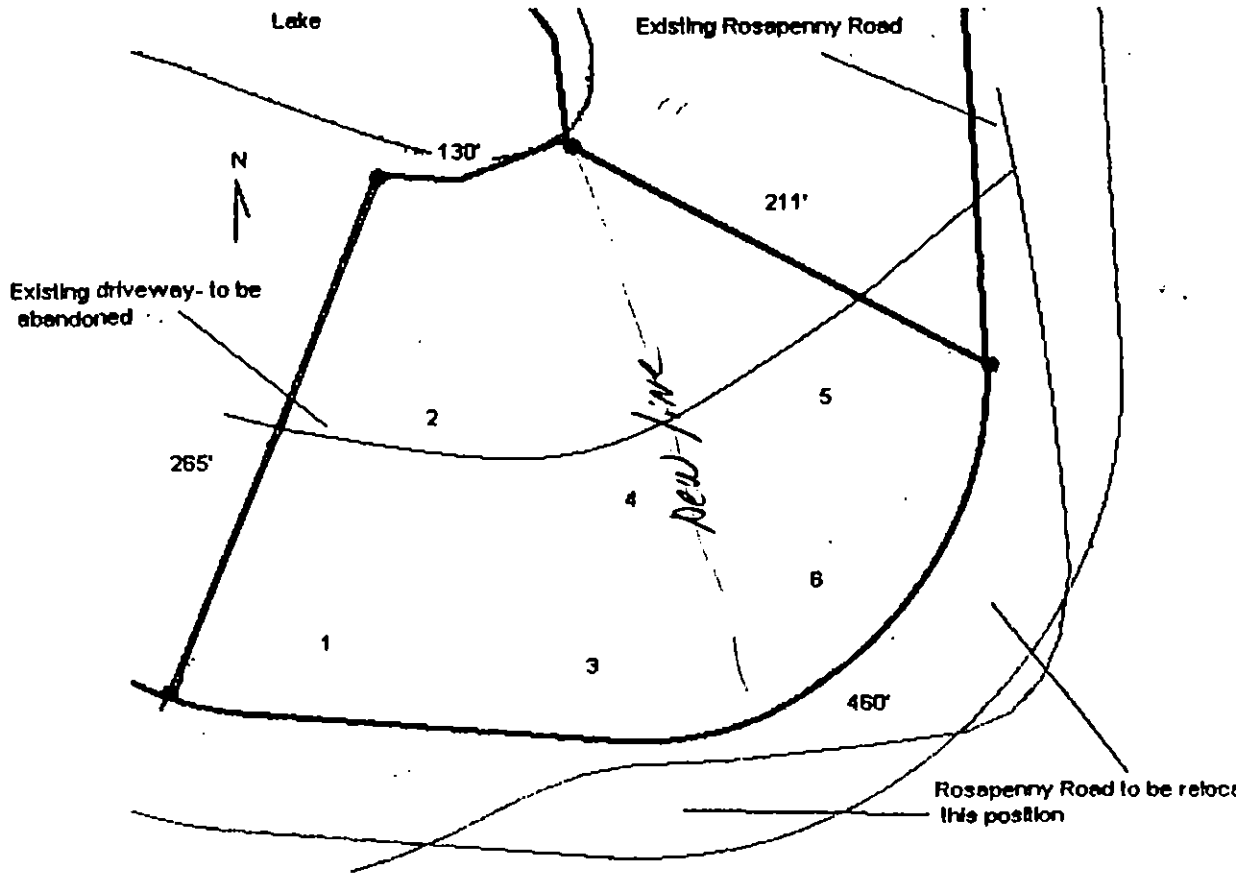
Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III	III
Site LTAR	0.3	0.3

Other Factors (.1946):
Soil Evaluation By: PHILO WALKER REHS
Others Present: TONY JACOBS
Site Classification (.1948): PS
Site Evaluation By: PHILO WALKER REHS
Others Present: TONY JACOBS

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	Sketch of Soil Evaluation Locations
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	



JACOBS ON-SITE DEVELOPMENT, INC.

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Mooresville, NC 28117
(704) 662-9845 cell (704) 582 9219
toneycjacobs@gmail.com

TONEY C. JACOBS
Licensed by the North Carolina Board for Licensing of Soil Scientists
Certified by the American Registry of Certified Professionals in Agronomy, Crops and Soils

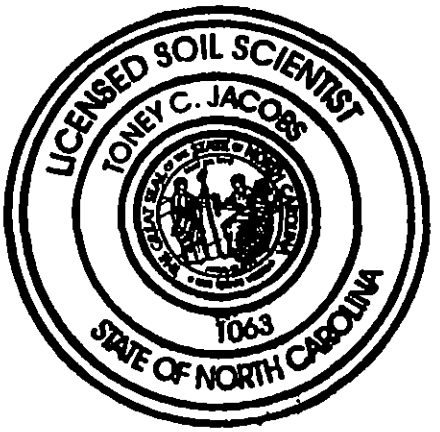
February 21, 2012

To: ✓ Philo Walker, REHS
Mecklenburg County Environmental Health

William A. Hodges
17224 Due West Drive
Charlotte, NC 28278

From: Toney C. Jacobs, LSS
system designer

Re: Septic plan for 18506 Rosapenny Road – Lot 8
MCHD file #



Scaled site plan of 1=50' is from measurements in the field. All lines shown as a color represent a line shot on contour in the field. Actual distances are taken from tape measurements and the flags in the field may be slightly more or less than shown on drawing. Any special conditions are noted on site plan as in design specifications.

Soil descriptions were made in two phases, one in the summer of 2006 by Bill Marlin and one in January 31, 2012 by Toney Jacobs, LSS and are enclosed with recommended LTARs. Some lines are adjusted to utilize contours as needed at the discretion of the designer. This plan is developed to facilitate permitting by MCEH.

Design Specifications
18506 Rosapenny Road – File #

Daily design flow:	480 gpd
Number of bedrooms:	4 bedroom
Foundation:	crawl space
Septic tank size:	1500 gal
Primary system loading rate:	**0.3 gpd/ft^2**
Primary system:	**gravity 25% reduction**
Number and length of laterals:	4 @ 100'
Total ft. of primary system:	400 ft.
Dosing:	approved D-box, each line equal dosed
Repair system loading rate:	**0.3 gpd/ft^2**
Repair system:	**gravity 25% reduction**
Number and length of laterals	4 @100'
Total ft. of repair:	approximately 400'

Project #:
Property ID #:
County:

Sheet:

SOIL/SITE EVALUATION

Date Evaluated: 1/31/12

Owner or Client: Hodges Kona Dairy Rd Lot 8
Proposed Facility: 4BR Design Flow: 480
Location of Site:
Soil Described By: Others Present:
Antecedent Moisture: Moist Weather: Nice

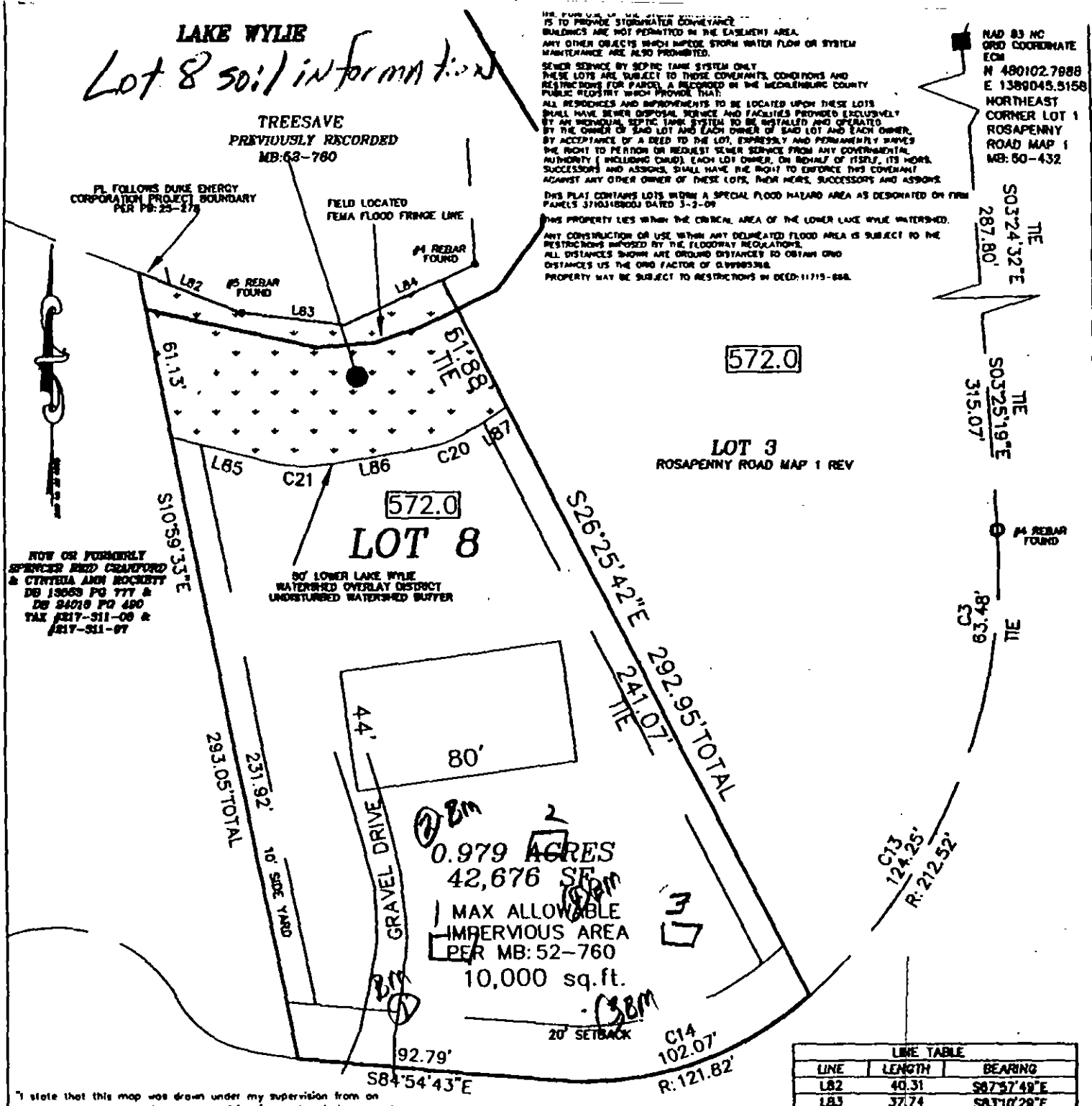
Property Size: 0.946 AC

Site LTAR: Int. .3 Rep. .3
Site Classification: Ps

Water Supply: [ ] Public [ ] Community [✓] On-Site Well [ ] Spring [ ] Other
Evaluation Method: [✓] Auger Boring [✓] Pit [ ] Cut
Type of Wastewater: [✓] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY: Structure/ Texture	SOIL MORPHOLOGY: Consistence Mineralogy	PROFILE FACTORS: Inclusions	PROFILE FACTORS: Matrix Color	PROFILE FACTORS: Mottles	PROFILE FACTORS: Profile Notes (Restr Horiz, Soil Depth, Coarse Frag, etc...)	Profile Class & LTAR
1	N <5%	0-10	g SL	1:1	NA rocks	Bc	NA	1 pg. rock	0.3-325
		10-14	M-g LS	1:1	f rocks	yel/br	NA		
		14-48	m SBK C	1:1	f rocks	red	NA	Chemical Attrs	
2	N <5%	0-6	g SL	1:1	m roots	Bc	NA		0.3-.325
		6-46	m SBK C	1:1	C rocks	red	NA		
		46-48	Bedrock SAP sol				slight pm		
3	LS +75%	0-3	g SL	"		dk gray			0.25
		3-20	m SBK CL	"	C rocks	red			
		20-48	m SL		f rocks	yel/br		m m-c rocks/bed	
4									
5									
6									

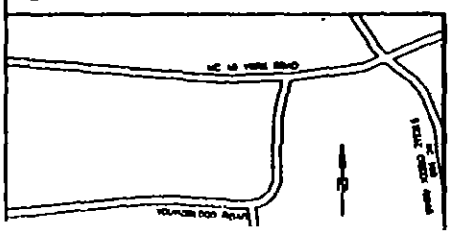
COMMENTS:



"I state that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Deed Book 24072, Page 918); that the boundaries not surveyed are indicated as drawn from information in Map Book 50 Page 432; that the ratio of precision or positional accuracy is pt EXCESS OF 1:10,000; and that this map meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56. 1600)." This 16 day of February, 2012.

CURVE TABLE					
CURVE	RADIUS	LENGTH	CHORD	BEARING	DELTA
C3	212.52	83.48	83.24	N05°08'08"E	17°08'51"
C13	212.52	124.25	122.49	N30°26'28"E	33°29'53"
C14	121.82	102.07	99.11	N71°08'45"E	48°00'22"
C19	50.00	13.67	13.63	N49°26'50"E	15°40'01"
C20	50.00	20.15	20.02	N68°51'37"E	23°05'35"
C21	50.00	21.36	21.20	S87°21'16"E	24°28'38"

LINE TABLE		
LINE	LENGTH	BEARING
L82	40.31	S87°57'49"E
L83	37.74	S83°10'28"E
L84	52.11	N84°50'03"E
L85	36.70	S75°08'57"E
L86	34.24	N80°24'25"E
L87	14.71	N57°18'50"E



MAP FOR

SEPTIC FIELD EXHIBIT FOR LKW PROPERTIES, LLC

SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" = 50'	STEELE CREEK	MECK.	N.C.	02/17/12

ROSAPENNY ROAD

LOT 8 ROSAPENNY ROAD MAP 1 REV

YARBROUGH - WILLIAMS & HOULE, INC.

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

Sheet: 1 of 2
Property ID: PO 6632B
Lot #: 3
File #: 6632B
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: LKW Development, LLC
Applicant: Toney Jacobs
Address: 17224 Due West Drive, Charlotte, N. C. 28278
Date Evaluated: 8/7/06
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: 1.76a
Location of Site: Rosapenny Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	Landscape Position / Slope%	Horizon / Depth (IN)	SOILMORPHOLOGY (.1941) Structure / Texture	Consistence / Mineralogy	PROFILE FACTORS (.1948) Water / Color	Soil Depth (IN)	Saprolite Class	Restrictive Horizon	OTHER (.1940) Depth & LTAR
1	LS, 6	0-6	GR/SL	FR/SEXP/NS/NP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV
		6-44	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
		44-48	SBK/CL	FR/SEXP/SS/SP					
2	LS, 8	0-3	GR/SL	FR/SEXP/NS/NP	>33" TO SOIL WETNESS	33	"	"	US, IV
		3-33	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
3	"	0-3	GR/SL	FR/SEXP/NS/NP	>48" TO SOIL WETNESS	48+	"	"	PS, IV
		3-48	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
4	R, 6	0-3	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					
5	"	0-4	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		4-46	SBK/C	FI/SEXP/S/P					
6	LS, 6	0-4	GR/SCL	FR/SEXP/SS/SP	"	"	"	"	"
		4-48	SBK/C	FI/SEXP/S/P					

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

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 8/11/2006. W. R. Marlin
Others Present: