8066B

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES 4/3/8

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: 137/2304
STREET ADDRESS: Corner of Surface Hill Road
CITY: Mint Hill and Woodhollow Road
STATE: NC ZIP:
SUBDIVISION NAME:
LOT #: 5 LOT SIZE (acres): 1.06
TOWNSHIP: Clear Creek 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: 1,800
NUMBER OF BEDROOMS: ~~3~~ 4 11/5/09 MC
NUMBER OF OCCUPANTS: ~~4~~ 3 2 LS 11/24/09
FOUNDATION TYPE:
☑ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT 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 Saprolite
8A. **RANK:** 1 2 3 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 (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?** 1/16/2009 ☐ UNKNOWN

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

12. **PROPERTY OWNER:**
NAME: Jason R. Bartell
ADDRESS: 1706 Walk Up Avenue
CITY: Monroe
STATE: NC ZIP: 28110
HOME PHONE: 704-361-1932
WORK PHONE: 704-226-0894
MOBILE PHONE: 704-361-2153
FAX: 704-226-1775

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**
NAME: Larry Thompson
ADDRESS: 114 Orchard Ridge Road
CITY: Locust
STATE: NC ZIP: 28097-8748
HOME PHONE: 704-888-1796
WORK PHONE: 704-301-4881
MOBILE PHONE:
FAX: 704-888-1496
Thompson Environmental Consulting INC

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

Revised on: 7/1/08

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.

_____ (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.

_____ 7/22/09

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

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OFFICE USE ONLY

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

SEPTIC APPLICATION FEES RECEIVED: $ 250.00 DATE FEE RECEIVED: 7/27/09

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

APPLICATION PROCESSED BY: JC

GWS FILE NUMBER ASSIGNED: 80606B

APPLICATION ID NUMBER ASSIGNED: 4318

COMMENTS:

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

S&EC

Soil & Environmental Consultants, PA

236 LePhillip Court, Suite C • Concord, North Carolina 28025 • Phone: (704) 720-9405 • Fax: (704) 720-9406

www.SandEC.com

January, 22 2007
Job #5-1908s1

Kevin Rushing
505 Cedarwood Dr.
Monroe, NC 28112

Re: Soil suitability for ±13-acre tract on Surface Hill Rd.- Mecklenburg County, NC

Soil and Environmental Consultants, PA (S&EC) has performed a detailed soil/site evaluation on a property totaling approximately 13-acres in Mecklenburg County. The property is located on Surface Hill Rd. northwest of Mint Hill, NC. At your request the evaluation was performed to evaluate soil areas for subsurface wastewater disposal.

S&EC walked over the property, taking note of the land (slope, drainage patterns, past use, etc.) as well as soil conditions (depth, texture, structure, seasonal wetness, restrictive horizons, etc.) through hand auger borings. From these observations an evaluation of the site relative to subsurface wastewater disposal was developed. The soil/site evaluation criteria used was that contained in 15 A NCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems".

FINDINGS

The subject property is located in south eastern Mecklenburg County northwest of Mint Hill. The upland soils identified were most similar to the Helena and Cecil soil series. Helena soils have a loam surface over a clay subsoil. The clay textures in the Helena series are considered expansive. During wetting and drying cycles the clay exhibits shrinking and swelling behavior which limits the hydraulic performance of the soil. Expansive clay mineralogy is considered unsuitable for subsurface waste disposal systems. Areas of soil similar to the Cecil soil series were also identified on the property (see attached map for size and location). Cecil soils have a sandy loam surface over a clay subsoil. The average usable depth encountered in the Cecil soil series was 24 inches or more which has potential for supporting conventional (at-grade and shallow) and LPP (low pressure pipe) septic systems. Also identified on the property were areas that contained soil depths of 18 inches that have potential of supporting drip irrigation, and pretreated septic systems (see attached soils map). Depth to restrictive horizons (i.e. soil wetness and rock) determines what kind if any septic system can be supported on the property. The attached map is not a survey. Borings were located via GPS technology to create the soil polygons. Usable soil areas were not flagged in the field.

Once potentially usable areas are identified, the next consideration is the horizontal extent (size) of those areas. The size and configuration of the usable soil area dictate how many systems an area can support. The size of a subsurface septic field is determined by; 1) the design flow (120 gallons/bedroom/day in residences), and 2) long term acceptance rate (LTAR) of the soil (based

on the hydraulic conductivity of the soil, a function of the soil's texture, mineralogy, structure, porosity, etc.). The configuration of the soil area must be such that an efficient layout of drain lines (on contour) is possible and not contain unsuitable topography. An additional consideration is the required setbacks for the system from various elements such as wells (100'), streams and ponds (50') or more depending on watershed regulations, property lines (10'), top of embankment (15'), watershed buffers, etc. (see Attachment 1).

GENERAL WASTEWATER CONSIDERATIONS

The utility of a potential useable soil area for a subsurface system is most accurately determined by an on-ground layout of the proposed system. The total area needed for system and repair areas will depend upon the system type, the layout of that system and the total design flow (factors mentioned above). A typical area needed for a four-bedroom residence is approximately 14,000 to 16,000ft^2 (could be more depending on site features). These estimates reference Laws and Rules for Sewage Treatment and Disposal Systems for North Carolina and use a LTAR of 0.3gpd/ft^2 for conventional septic systems. The required soil area estimates do not include area for a well setback, drive or house envelope. The health department will determine the design LTAR after their evaluation. S&EC will be glad to assist in any system layout or sizing calculations if requested.

A site plan for any lot must ensure that adequate soil area for system and repair is unaffected by site elements (house placement, driveway, wells, patios, decks, etc.). The area ultimately designated by the health department for the septic system and repair must remain undisturbed (no mechanical clearing, excavation, heavy traffic or other significant site disturbing activities) until authorized by the health department. A lot with adequate usable soil area may be rendered unusable as a result of improper site planning and/or disturbance.

This report discusses the general location of potentially usable soils for on-site subsurface wastewater disposal and does not constitute or imply any approval or permit needed by the client from the local heath department. S&EC, PA is a professional consulting firm that specializes in the delineation of soil areas for wastewater disposal and the layout and design of wastewater treatment systems. As a professional consulting firm, S&EC is hired for its professional opinion in these matters. The rules governing wastewater treatment (interpreted and governed by local and state agencies) are ever evolving, and in many cases, affected by the opinions of individuals employed by these governing agencies. Because of this, S&EC, PA cannot guarantee that areas delineated and/or systems designed will be permitted by the governing agencies. As always, we recommend that anyone making financial commitments on a tract be fully aware of individual permit requirements on that tract prior to final action.

An individual septic system permit will be required for each lot prior to obtaining a building permit. This will involve a detailed evaluation by the local health department to determine system size and layout, well, drive and house location, etc. Only after developing this information can a final determination be made concerning the specifics of system design and site utilization.

RECOMMENDATIONS

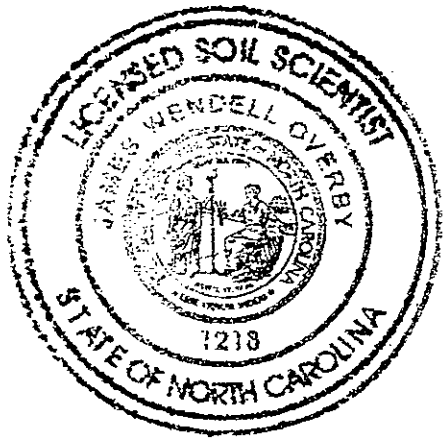
If further pursuit of improvement permits is sought we recommend creating a lot configuration based on our soil findings. Each lot should have enough usable soil allotted for an initial septic system and a repair system. The use of offsite systems (septic easements) and pretreatment may increase lot yield. S&EC will be glad to review a final lot configuration and give suggestions. Once a final lot configuration is developed applications to the county can be made for each proposed lot. We recommend meeting the county onsite during there evaluation to review our soil findings. Other work that may be required to obtain improvement permits, but not limited to, include septic system layouts and designs, meeting the county/state onsite, and hydraulic conductivity tests if pretreatment is proposed. Identified on the property were stream and potential wetland features which may require a permit from the US Army Corps of Engineers if impacted (i.e. stream crossings). S&EC will be glad to assist in the delineation and permitting process for such features. Please visit our website at www.sandec.com.

Sincerely,

Wendell Overby
NC Licensed Soil Scientist

Eric Bailey
Soil Scientist in Training

Encl: Soil/Site Map
Attachment 1



Attachment 1

.1950 Location of Sanitary Sewage Systems

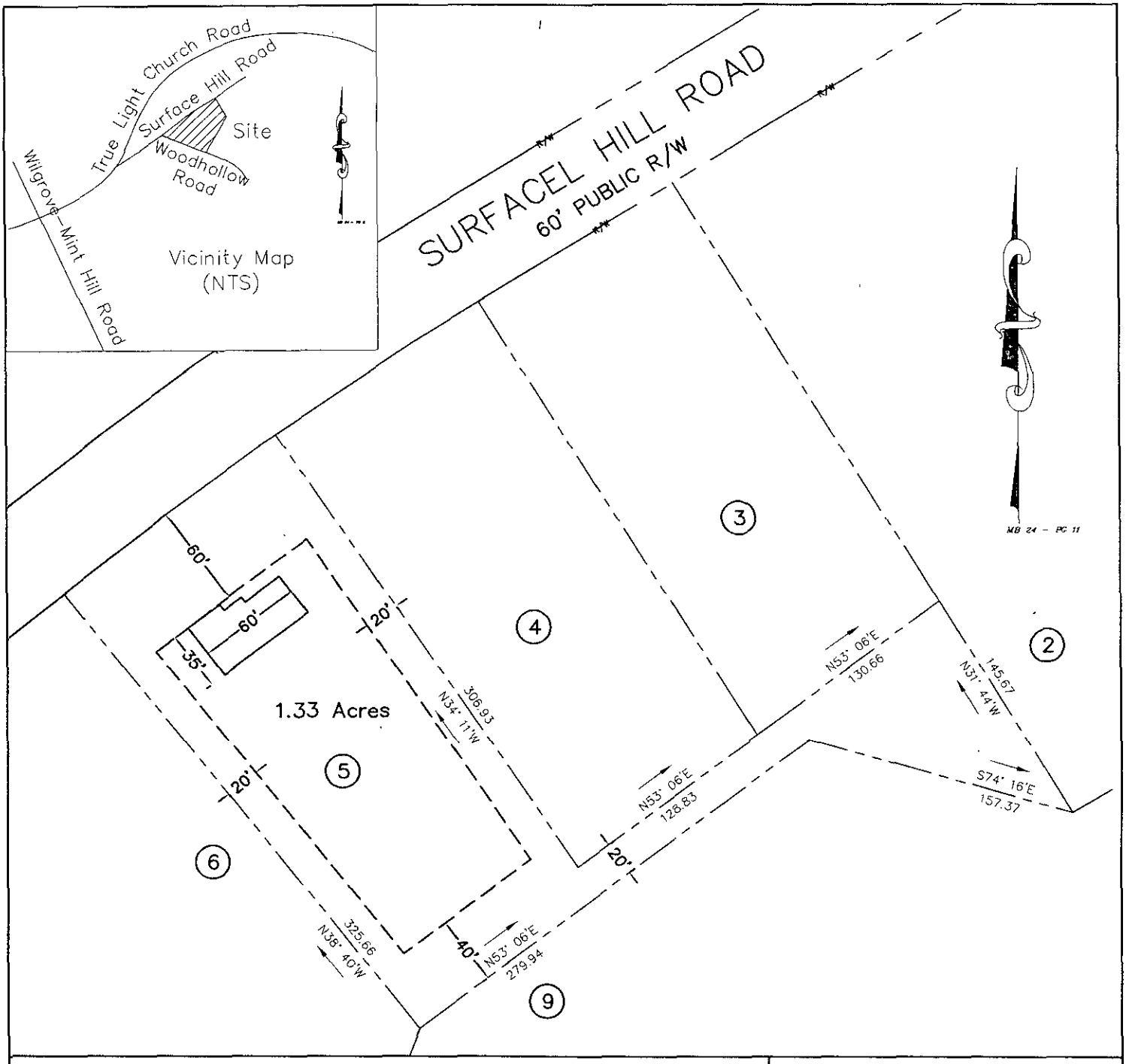
(c) Every sanitary sewage treatment and disposal system shall be located at least the minimum horizontal distance from the following:

(1)	any private water supply source including a well or spring	100 feet
(2)	any public water supply source	100 feet
(3)	streams classified as WS-I	100 feet
(4)	water classified as S.A.	100 feet from mean high water mark
(5)	Other coastal waters	50 feet from mean high water mark
(6)	any other stream, canal, marsh, or other surface waters	50 feet
(7)	any Class I or Class II reservoir	100 feet from normal pool elevation
(8)	any permanent storm water retention pond	50 feet from flood pool elevation
(9)	any other lake or pond	50 feet from normal pool elevation
(10)	any building foundation	5 feet
(11)	any basement	15 feet
(12)	any property line	10 feet
(13)	top of slope of embankments or cuts of 2 feet or more vertical height	15 feet
(14)	any water line	10 feet
(15)	drainage systems:	
	(A) Interceptor drains, foundation drains and storm water diversions	
	(i) upslope	10 feet
	(ii) sideslope	15 feet
	(iii) downslope	25 feet
	(B) Groundwater lowering ditched and devices	25 feet
(16)	any swimming pool	15 feet
(17)	any other nitrification field (except repair area)	20 feet

(b) Ground absorption, sewage treatment and disposal systems may be located closer than 100 feet from a private well supply, except springs and uncased wells located downslope and used as a source of drinking water, repairs, space limitations and other site-planning considerations but shall be located the maximum feasible distance and, in no case, less than 50 feet.

(c) Nitrification fields and repair areas shall not be located under paved areas or areas subject to vehicular traffic. If effluent is to be conveyed under areas subject to vehicular traffic, ductile iron or its equivalent pipe shall be used. However, pipe specified in Rule .1955 (e) may be used if a minimum of 30 inches of compacted cover is provided over the pipe.

Note: Systems over 3000 GPD or an individual nitrification fields with a capacity of 1500 GPD or more have more restrictive setback requirements, see .1950 (a) (17) (d) for specifics.



FLOOD CERTIFICATION

THIS PROPERTY DOES NOT LIE WITHIN A F.E.M.A. SPECIAL FLOOD HAZARD AREA.

GENERAL NOTES

1. MEASUREMENTS ON THE MAP ARE IN FEET AND DECIMALS THEREOF.
2. ALL SET CORNERS ARE 1/2" IRON REBAR UNLESS OTHERWISE NOTED.
3. THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL EASEMENTS, RIGHT-OF-WAYS AND RESTRICTIONS NOT DISCERNIBLE BY OBSERVATION AT THE TIME OF SURVEY OR THAT MAY BE OF RECORD. NO TITLE SEARCH HAD BEEN DONE.
4. THIS DOCUMENT IS ONLY FOR THE PURPOSE OF SHOWING PROPOSED HOUSE LOCATION. THE FINAL LOCATION OF THE HOUSE MAY VARY. THIS DOCUMENT IS NOT TO BE USED FOR REAL ESTATE CONVEYANCE.

GRAPHIC SCALE (IN FEET)

80 0 40 80 160 320

1 INCH = 80 FEET

PROPOSED HOUSE LOCATION

FOR: Mr. Jason Bartell

LOT 5
Surface Hill Rd
Town of Mint Hill
Mecklenburg Co., NC

DS Engineering
1223 Fox Run Dr.,
Charlotte, NC 28212
E-mail: davshkl@gmail.com
ph. 704/497-0081
fax 1-206/888-4992

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

Sheet: 1 of 2
Property ID: 137-123-04
Lot #: 5
File #: 8066B
AppID: 4318

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Jason R. Bartell
Applicant: Same
Address: 1706 Watkup Avenue
Date Evaluated: 8/25/2009
Proposed Facility: Residence
Design Flow (.1949) 360GPD
Property Size:
Location of Site: Surface Hill Road Lot #5
Property Recorded:
Water Supply: [X] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	SOIL MORPHOLOGY 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 5%	0-5	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	IV, PS
		5-32	SBK/C	FI/SEXP/SS/SP					0.25GPD/FT^2
		32-48	WKSBK/CL	FI/SEXP/SS/SP					
2	"	0-6	GR/SCL	FR/SEXP/SS/SP	"	48	N/A	NONE	"
		6-48	SBK/CL	FI/SEXP/SS/SP					
3	"	0-5	GR/SCL	FR/SEXP/SS/SP	>20" TO SOIL WETNESS	20	N/A	NONE	US
		5-20	WKSBK/CL	FI/SEXP/SS/SP					
		20+	ROCK	Boring Terminated					
4	LS 5-8%	0-24	SBK/C	FI/S/P SEXP					
		24-40	SBK/CL	FI-FRI SS/SP/S EXP		40			IV, PS 0.3 GPD/FT^2
		40+	MASS SAP						
	Auger Boring #4 evaluated on 11-18-2009 By Jeremy Michael								

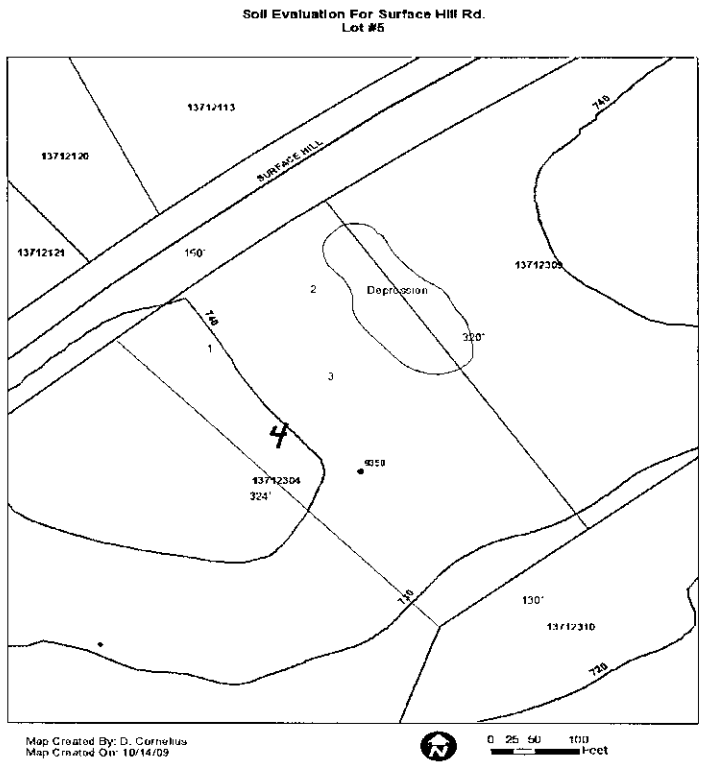
Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIg	IIIbg
Site LTAR	0.25GPD/FT^2	0.25GPD/FT^2

Other Factors (.1946):
Soil Evaluation By: David Cornelius, RS
Others Present:
Site Classification (.1948): Provisionally Suitable
Site Evaluation By: David Cornelius, RS
Others Present: Jeremy Michael

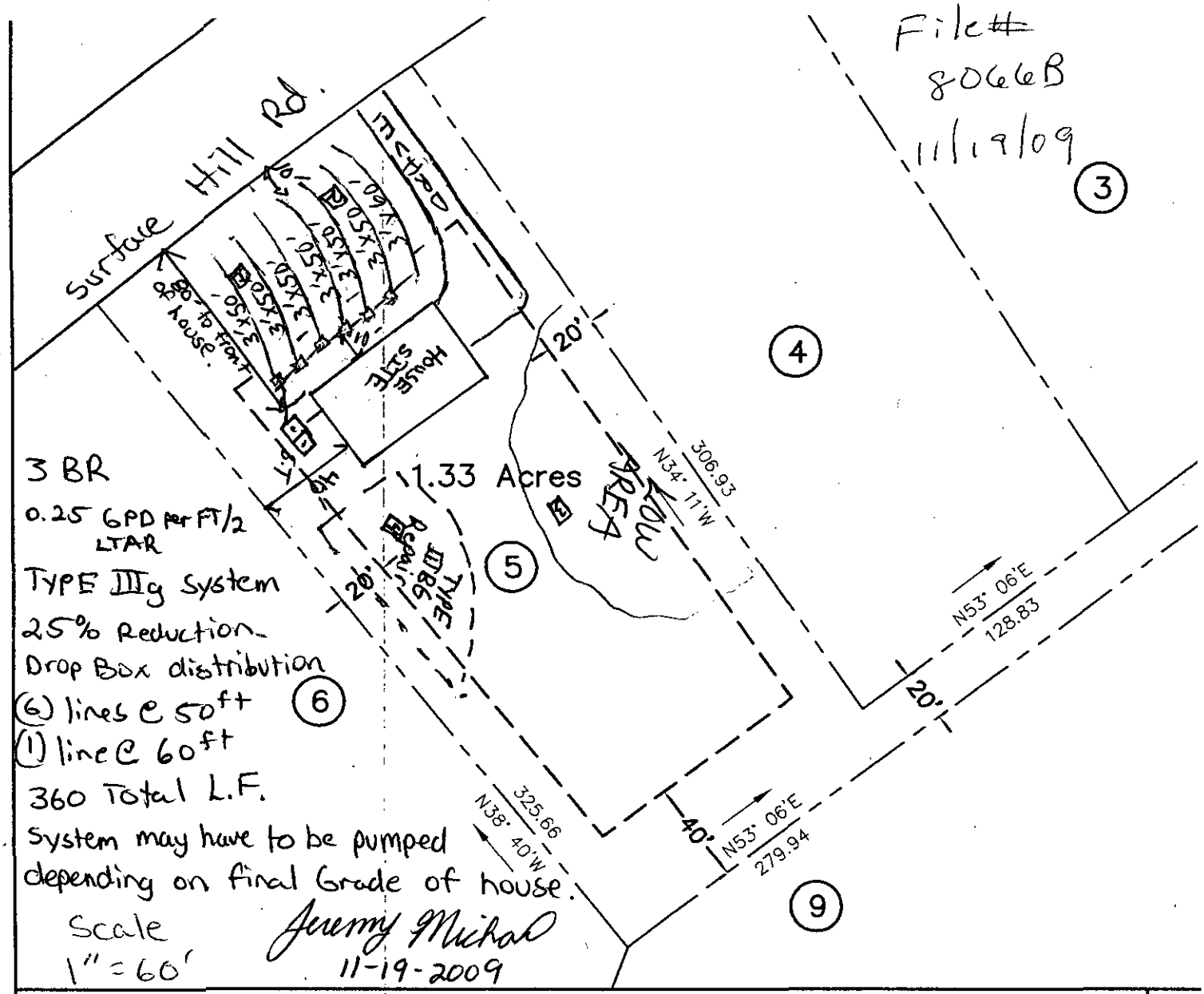
COMMENTS: 100% Repair

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	



File # 8066B
11/19/09



FLOOD CERTIFICATION

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~~1 INCH = 80 FEET~~

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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 #: **30004318** GWS File #: **8066B** Tax Parcel #: **137-123-04**

- 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):** 11/19/2014

Type of Installation: Residential - New System Lot Number: 5

Structure Type: HOUSE Size (ft^2): 1800 # Bedrooms: 3 # Occupants: 4

Building Foundation: Concrete Slab *Water Supply: Municipal*

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

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1080	Total Trench Length (ft):	360
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Drop Boxes		

III. Repair System Type: Pump to Approved **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	28	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

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: Jeremy Michael Owner/Legal Agent: _____
Print Name

Signature: Jeremy Michael Signature: _____

Date Issued: 11/19/2009

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 #: **30004318** GWS File #: **8066B**

IV. Permit Conditions/Comments:

- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- *All waterlines must be located a minimum of 10 ft. from any part of the septic system.*
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.

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DENR Authorized Agent: Jeremy Michael

Signature: Jeremy Michael

Date Issued: 11/19/2009

Owner/Legal Agent: _____
Print Name

Signature: _____