

9200 PINENOLL LN

10514213

4/30/08

marliwr

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

MECKLENBURG COUNTY
Health Department

May 9, 2005

Vyacheslav and Sophia Agafonov
8121 Tremain Court
Charlotte, NC 28227

Re: Application for improvement permit for
Property Site: 9200 Pinenoll Lane
Health Department file number: **2380A**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on **April 19, 2005** 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 three-bedroom residence, with a design wastewater flow of 360 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 ground water 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 off-site 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 **May 9, 2005**. 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,

J. Andrew Walker, R.S.
Authorized Agent - DENR

Encl: (2)

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

Sheet: 1 of 2
Property ID: 105-142-13
Lot #: L19, Block D
File #: 2380A
Code: 3

ACS

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Vyacheslav & Sophia Agafonov
Applicant:
Address: 8121 Tremaine Ct., Charlotte, N. C., 28227
Date Evaluated: 4/5/2005
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .6a
Location of Site: 9200 Pinenoll Lane
Property Recorded:
Water Supply: [x] Public [ ] 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	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-3	GR/CL	FR/SEXP/SS/SP	2.5Y6/1 at 26"	42	N/A	NONE	US
		3-20	SBK/SCL	"					
		20-42	SBk/C	VFI/EXP/VS/VP					
2	"	0-20	GR/SCL	FR/SEXP/SS/SP	2.5Y6/2 at 25"	27	"	"	"
		20-27	SBK/SC	VFI/EXP/VS/VP					
3	"	0-8	GR/SCL	FR/SEXP/SS/SP	2.5Y7/1 at 25"	29	"	"	"
		8-22	SBK/SCL	"					
		22-29	SBK/SC	VFI/EXP/VS/VP					

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

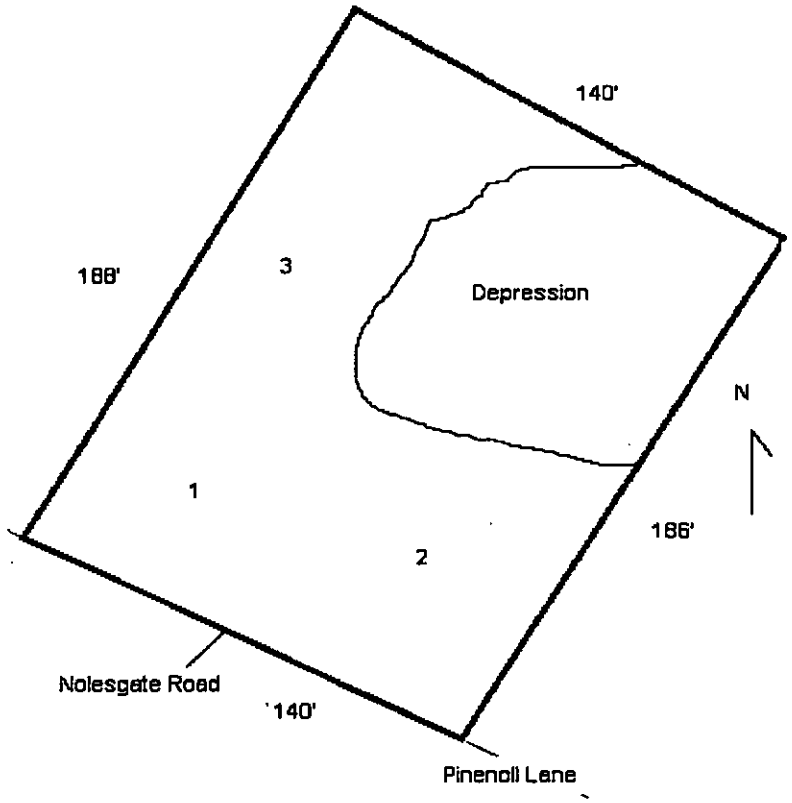
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, W. R. Marlin
Others Present: D. Howell

COMMENTS:

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		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



$ 100 CK # 1147 4/18/05 2nd visit

GWS – RES. APP 12/04

SEPTIC FEE: 200.00
DATE: 3/24/05
CRT [ ]: Check 1136

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

JKA

FILE # 2380A

WELL FEE:
DATE:
CRT [ ]:

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM EXISTING SYSTEM: ☐ EXPANSION/ALTERATION ☐ REPAIR

WELL / TYPE APPLICATION: ☐ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:

TAX/PARCEL #: 10514213
STREET ADDRESS: 9200 Pinenoll Ln
CITY: Charlotte
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #:
TOWNSHIP:

☐ 0-MECKLENBURG ☐ 4-PINEVILLE
☑ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☐ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE: 2200 - 2450 sft
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 2

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☑ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☑ PUBLIC (C) ☐ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☑ N/A ☐ IRRIGATION ☐ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:

NAME: Vyacheslav & Sophia Asafov
ADDRESS: 8121 Tremaine Ct. J
CITY: Charlotte
STATE: NC ZIP: 28227
HOME PHONE: 704-537-9548 WORK PHONE:
MOBILE PHONE: 704-281-0349 FAX: 704-537-9548

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? March 1965

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

S. P. Asafov 24 March 05
Owner's/Agent's Signature Date

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

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

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

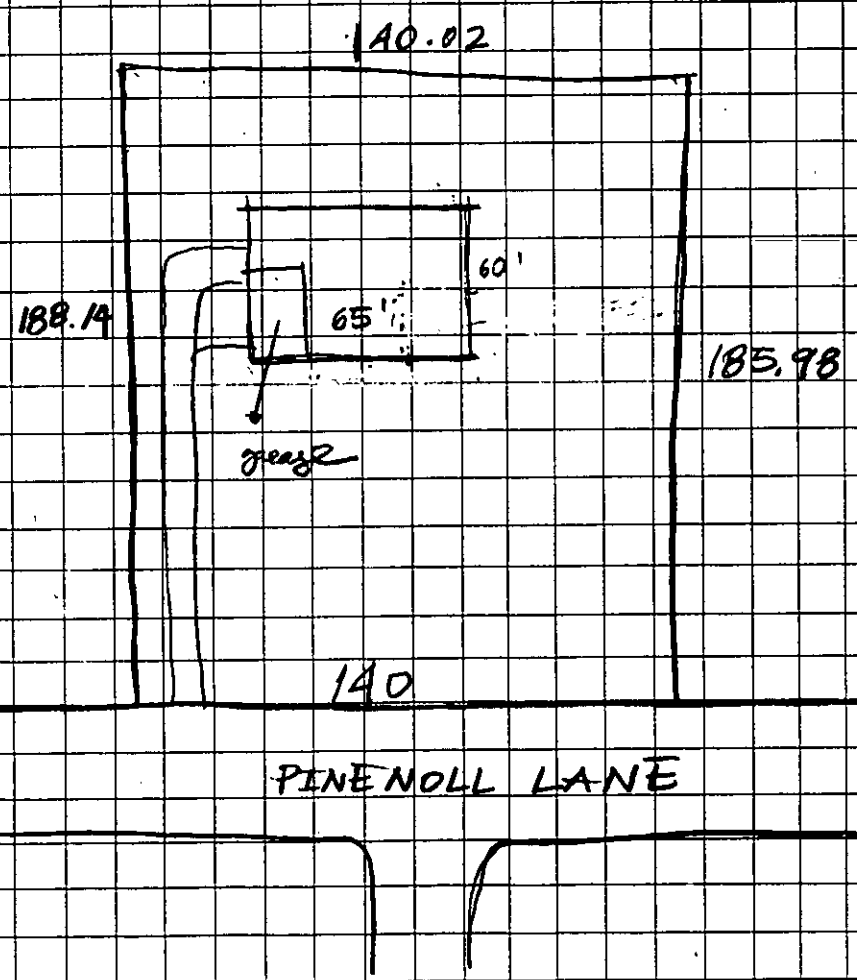
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5103

FILE: 2380A

TC: 105- 14213

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



S. P. Hanford
OWNER/AGENT SIGNATURE

DATE 24 March 05

APPROVAL DATE _____

White - Health Department's Copy Canary - E.H.S. Copy Pink - Owner's Copy

105-142-13

Bill, These are the papers 23804A

Thanks Sophia

KMG Contracting

RE: Septic Suitability: **5 acres**
Pinenoll Road
Mecklenburg County, North Carolina

Mr. Construction Supervisor,

Mitchell, Jennah, & Associates Inc. (M.J.&A) has performed a preliminary soils evaluation for septic suitability at the referenced location. The evaluation consisted of hand auger borings with soil descriptive logs and a reconnaissance of the property conducted on Sept 7, 2004.

Per your request, the assessed acreage included 4 acres on the left side of Pinenoll Rd. The remaining (assessed) segment of the property included an 1acre tract on the opposite side of Pinenoll Rd. (See Figure 1).

It is our understanding the referenced initial phase of the proposed development will consist of single- family residences situated on approximately 1.0- acre lots accessed from Pinenoll Rd.

M.J.&A evaluated the site for Soil Morphology and other characteristics in accordance with the North Carolina Department of Environment and Natural Resources (DENR) "Laws and Rules for Sewage Treatment and Disposal Systems" guidelines.

A total of four (4) hand auger borings were advanced within the referenced parcel to a depth of 48" below existing grade. Soil morphology and other characteristics were evaluated as follows:

Texture:
Below topsoil horizons, generally sandy clay soils were encountered. Textures encountered included the following groups:

"Group IV": sandy clays

The sandy clay *texture* was classified as "Suitable", with loose, friable weathered sandy materials encountered.

TRANSACTION REPORT

APR-05-05 12:48 PM

FOR:

SEND

DATE	START	RECEIVER	PAGES	TIME	NOTE
APR-05	12:46 PM	97043945354	4	2'16"	OK

Structure:
Suitable blocky to granular textures were noted within borings B-1, B-2 and B-3. No unsuitable platy or prismatic structures were encountered. No expansive clays, veins, fracturing or other restrictive or deleterious soil structures were indicated.

Soil Wetness Conditions:

No moist or wet soil conditions were noted.

Topography:

Significant Unsuitable gullying was observed within the northern portion of the tract south of Pinenoll Road.

Available Space:

Suitable available space should be provided by the general overall size of the proposed lots and careful placement of residential structures. No adjacent (off-site) water supply wells were located in close proximity to the property lines.
A more detailed account of the soil characteristics has been provided in the attached Soil Description Log.

SUMMARY:

The design engineer should perform careful consideration during site layout to insure nitrification lines do not traverse steeper slopes, gullied areas, or encroach within applicable stream buffer areas. To ensure proper topographic setback requirements, GTSI recommends conducting a topographic survey of the property prior to septic layout. Mecklenburg County Health Department officials typically require lot staking in addition to the placement of four staked corners representing the structural footprint.

M.J.&A recommends the installation of the septic systems by a qualified septic contractor in accordance with applicable DENR 15A NCAC 18A regulations and Mecklenburg County Health Department recommendations. If applicable, private water supply wells should be installed at least 100 feet from septic systems in accordance with the N. C. DENR. Additionally, the above mentioned suitable septic areas should not be disturbed by grading activities prior to septic installation.

This preliminary report has been prepared in accordance with generally accepted soils and septic engineering practices. In the event that any change occurs in subsurface conditions or the design, nature, or location of the proposed structure, well or septic area, GTSI should review the applicability of conclusions and recommendations in this letter.

M.J.&A appreciates the opportunity to provide these services to you. If you should have any questions, please call us at your convenience.

Sincerely,
Mitchell, Jennah & Associate, Inc.

Jarrus Mitchell
Enviromental Scientist

Charlie R. Mitchell P. E.
Project Engineer

Attachments:

FROM : B&B_TRUCKING FAX NO. : 7045379548 Apr. 05 2005 02:50PM P4

REPORT OF DYNAMIC CONE PENETROMETER TEST

PROJECT KMG CONSTRUCTION

PROJECT NUMBER: 000010

DATE	BORING LOCATION	STRATUM DEPTH	SOIL DESCRIPTION	TEST DEPTH	SOIL STRUCTURE
~~05/05/02~~	B-1	1.0 to 2.0	BROWN SANDY LOAM TOPSOIL	1.0	GRANULAR
04/07/04		2.0 to 3.0	RED SANDY CLAY	2.0	COURSE BULKY
				3.0	
04/07/04	B-2	1.0 to 2.0	BROWN SANDY TOPSOIL	1.0	GRANULAR
		2.0 to 3.0	RED SANDY CLAY	2.0	COURSE BULKY
		3.0 to 4.0	RED SANDY CLAY	3.0	COURSE BULKY
				4.0	
04/07/04	B-3	1.0 to 2.0	BROWN SANDY TOPSOIL	1.0	GRANULAR
		2.0 to 3.0	RED SANDY CLAY	2.0	COURSE BULKY
		3.0	RED SANDY CLAY	3.0	COURSE BULKY
04/07/04	B-4	1.0 to 2.0	BROWN SANDY TOPSOIL	1.0	GRANULAR
		2.0 to 3.0	RED SANDY CLAY	2.0	COURSE BULKY
		3.0 to 4.0	RED SANDY CLAY	3.0	COURSE BULKY
		4.0 to 5.0		4.0	