

6609 LUDELL LN

1/8/2008

duponbj

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

FEE: 300.00
DATE: 6/8/04
JKA Cash

AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION
VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

ND 8669
AGS

PERMIT NUMBER: 5414-B
PARCEL NUMBER: 108-012-06

JOB LOCATION ADDRESS: 6638 Ludell Lane
PROPERTY OWNER: James Smart
BUILDING CONTRACTOR:
SUBDIVISION NAME:
AUTHORIZATION ISSUED BY: J. Andrew Walker DATE: 05/17/04

DENR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER _____, 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, CONSTRUCTION, ALTERATION AND/OR REPAIR 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 AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS:
   Requires agreement forms
   Requires at least 12 inches of clay loam soil over drainfield after install

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITSAND AUTHORIZATION TO CONSTRUCT.

X _____
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE

05-19-2004
DATE

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: **5414-B**

Tax Number: **108-012-06**

- The IMPROVEMNET 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.

Basement: ☐ Yes ☒ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

.25 Long-term acceptance rate (GPD/ft^2)	360 Max gallons/day wastewater flow	1440 Absorption Area (ft^2)	9 Trench spacing (min. on centers) (ft)
Serviced by private well: ☒ Yes ☐ No	1500 Gallon septic tank	360 Total trench length (ft)	15 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
3 Bedrooms in residence	____ Gallon pump tank	na Depth of stone (in)	

Any surface water present: Type: Minimum separation distance (ft):

Additional conditions: **1. Requires agrement forms . 2. Requires 12 inches of clean fill cover over drainfield.**

Repair Area System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

1440 Absorption Area (ft^2) ____ Total trench length (ft)	na Depth of stone (in)	9 Trench spacing (min. on centers) (ft)	15 Maximum trench depth (in)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HELTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. The approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

*** No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department.

*** This Improvement permit is transferable.

5-17-04
DENR Authorized Agent Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, NC 28202
(704) 336-5103

05-19-2004
Owner/Agent Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH, AND
NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FOR REGISTRATION JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2004 JUN 08 11:04 AM
BK:17319 PG:422-425 FEE:$20.00
INSTRUMENT # 2004126335

2004126335

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 5749
PARCEL # 105-012-06

The undersigned, Gary Pearce, owner of property located at 6638 Lucile Lane, (the "site") and described in an instrument recorded in Book _____ at Page _____, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following conditions will apply to the site:

This instrument was prepared by: Bob J. Harwood
Mail after recording to: 184 Bradshaw Cir.
Candler, NC 28715

LARRY B. THOMPSON, JR., R.S.
DIVISION ENVIRONMENTAL OFFICER
DIVISION OF HIGHWAYS
NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

716 WEST MAIN STREET
ALBEMARLE, NC 28001

OFFICE: (704) 982-0101
FAX: (704) 982-3146

E-MAIL: lthompson@dot.state.nc.us

Residential Subsurface Wastewater Treatment and Disposal System Design

For

6638 Ludell Lane
Mecklenburg County
Charlotte, North Carolina

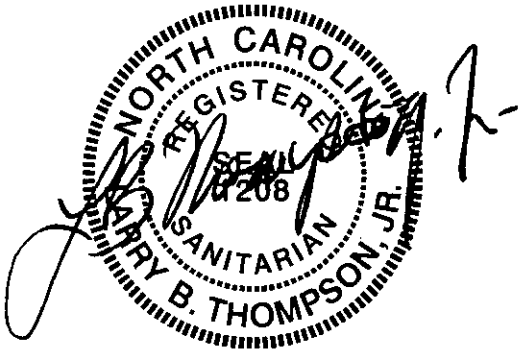
Permit Number # 5414B
Tax Parcel # 108-012-06
May 3, 2004

Prepared for:

Mr. Bobby J. Harwood, Jr.
C/O Mr. James Smart
P. O. Box 2022
Indian Trail, NC 28079

Prepared by:

Thompson Environmental Consulting, Inc.
114 Orchard Ridge Road
Locust, NC 28097
(704) 301-4881
info@thompsonenv.com



CC: Mecklenburg County Health Department

5-18-04
APPROVED

Details

In a recent application for an Improvement Permit submitted to the Mecklenburg County Health Department (MCHD), the subject property was proposed to be developed with a single family 3-bedroom residence served by a private well. Based upon the information provided, a soil and site evaluation was conducted where the 1.36 acre lot was determined to be "Unsuitable" for the installation of a conventional subsurface wastewater treatment and disposal system according to Section 15A NCAC 18A .1942 "Soil Wetness", .1943 "Soil Depth" and .1945 "Available Space".

Upon further investigation, a limited area of "Suitable" Group IV soils have been identified in the approximate center (center of lot extending to the right property line) of the property which would allow for the installation of a Type III innovative system for a 3-bedroom residence. It is the desire of the owners that the MCHD consider reclassifying their lot as "Provisionally Suitable", allowing for the issuance of an Improvement Permit, based upon the following proposal.

Location

The property is located at 6638 Ludell Lane, Charlotte, North Carolina. From Charlotte, take Central Avenue to N. Sharon Amity Road, turn left. Continue onto Hickory Grove Road (becomes Pence Road), turn left onto Highland Avenue, and stay straight on Market Avenue, turning right onto Robinson Church Road. Ludell Lane is approximately 0.7 mile ahead on the left; 6638 Ludell Lane will be is the first cleared lot on the left.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, August 17, 2000.

Onsite Wastewater Treatment and Disposal Systems; EPA 625/1-80-012 Design Manual, October 1980.

Innovative Wastewater System Approval: IWWS-95-3-R3; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 18, 2002.

Plans and Specifications

Septic Tank

- The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound and 1500 gallons in capacity.
- The septic tank will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
- It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery, thereby assuring that the tank has had time to properly cure and is not cracked or "honey combed".

Distribution Method

- Wastewater from the septic tank will gravity flow to a distribution box that has been adjusted for equal distribution of the effluent by utilizing "speed levels". From this point, the effluent flows by gravity to the laterals through 4'' sections of Schedule 40 PVC pipe.

Drainfield Installation

- The drainfield has been previously laid out on-site utilizing metal stemmed flags. Once this area has been approved by the MCHD, the property owner/builder should mark this area and isolate it as much as possible from construction traffic. Prior to the system installation, the septic contractor shall contact the MCHD for a preconstruction conference at which time the drainfield area will be re-verified and a Construction Authorization issued.
- Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition. If the installer has doubts as to whether or not the drainfield area is dry enough to begin construction, the MCHD should be contacted for permission to proceed with the installation.
- The specified system is a Type III innovative system, specifically the **EZ*flow* 1203H**. It is essential that the lateral trenches be constructed on contour with the land, with each trench being excavated level from beginning to end. The use of a tripod mounted engineer's level is essential to assure that each trench is constructed as level as possible.
- The maximum trench depth for this system shall be 15 inches (Additional soil backfill may be required lateral lines).
- Laterals shall be constructed 3 feet wide and 9 foot on centers.
- Once trenches are excavated, the **EZ*flow*** bundles are to be placed in rows next to each other and an approved backfill barrier placed over the expanded polystyrene aggregate cylinders to prevent the infiltration of backfill material into the trench void spaces.
- At this point, the trenches should be left open for a final inspection by the MCHD.

Proper Operation Check

- The distribution box must be checked upon final inspection for equal distribution. This can be verified by adding water, by hand, to the distribution box and performing a visual inspection.

Final Landscaping

- The drainfield shall be shaped to shed rainwater and be free from low spots.
- Finished soil cover over the system should measure at least 6 inches (additional soil backfill may be needed due to the system's shallow installation).
- The entire area of the drainfield should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

Maintenance

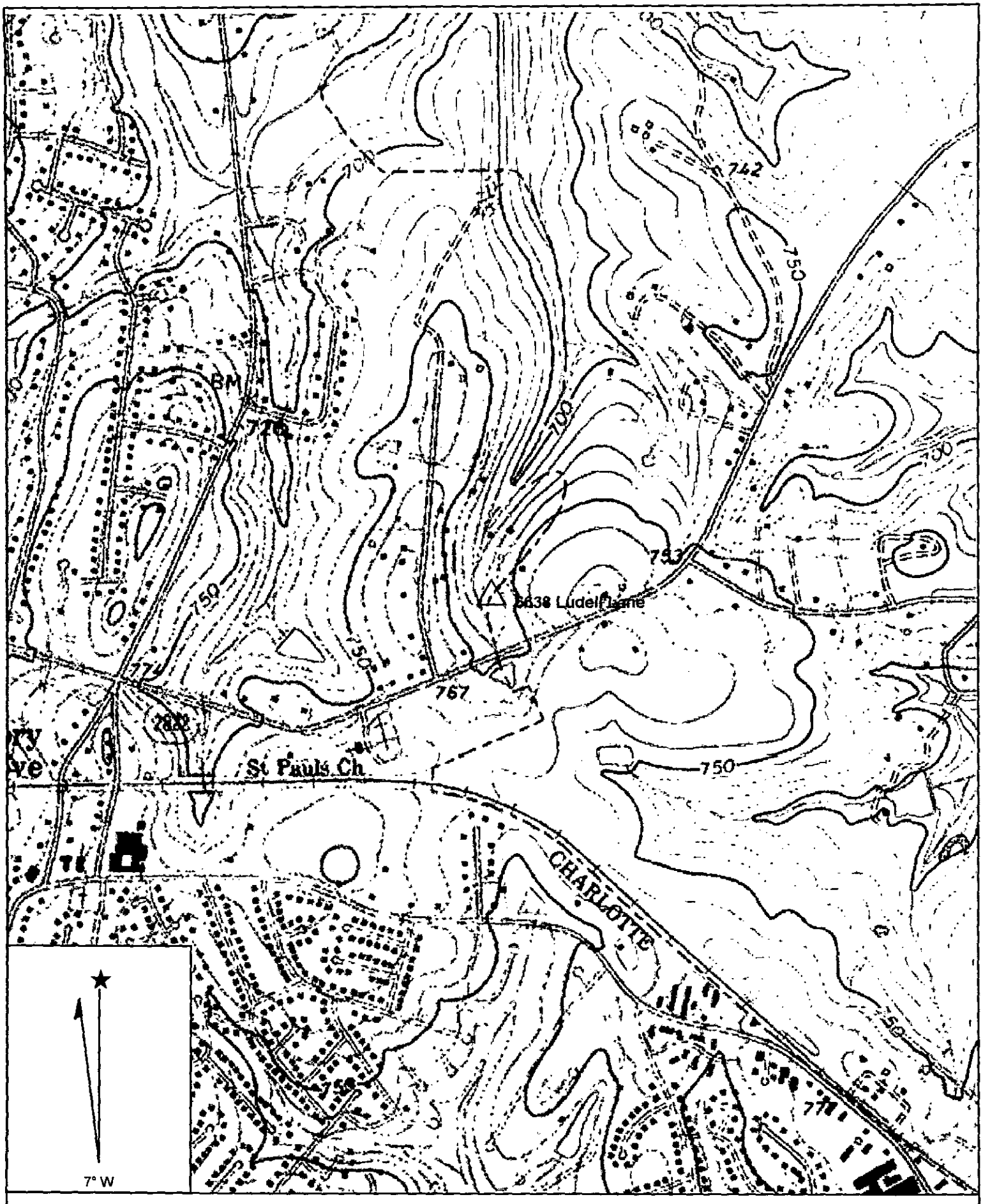
Operation and Maintenance

The designed system is classified as a Type III wastewater treatment and disposal system and will require periodic maintenance by the homeowner.

- The septic and pump tanks need to be cleaned out when the solids within the septic tank reach an elevation that is equivalent to 1/3 of the volume of the tank. In some situations, the tanks may need to be pumped more frequently; for example, if you are using a garbage disposal, it is recommended that the septic and pump tanks be cleaned out
- The effluent filters should be inspected annually. When it becomes necessary to clean the effluent filters, the filters should be removed and the accumulated debris washed back into the septic or pump tank – not onto the lawn.
- The drainfield area should be maintained to prevent over growth of vegetation. Any damp areas, leakages or malfunctions should be addressed immediately.
- Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

Suggestions to the Homeowner

- As previously mentioned, if you plan to use a garbage disposal in your home you should plan to have your septic and pump tanks cleaned out annually. The ground up garbage adds large amounts of solids into a septic tank that tend to degrade at a very slow rate.
- Grease, cooking oils, coffee grounds and non-degradable solids (disposable diapers, cigarettes and solid paper wastes) should never be put into a septic tank.
- Used motor oil or any oily liquids should not be disposed of in a septic tank.
- Be aware of the amount of water that you are using in your home. Water saving fixtures and devices can be installed on sinks, toilets and showers to reduce the volume of wastewater that you are sending to your drainfield.
- Run dishwashers and washing machines only when you have a full load.
- Use liquid detergents. Powdered detergents have binding agents in them that tend to solidify in the wastewater disposal system.
- Repair leaky faucets and toilets. Small drips equal large volumes of water over time and can over burden your drainfield.
- Do not use chemical additives in your system. Various studies have indicated that they do not increase the biological activity that naturally occurs in the septic system and, in some cases, certain additives have been found to be detrimental to the life of a system.
- Finally, taking good care of your septic system will help to assure that you experience years of trouble free service at a relatively low cost. On-site wastewater treatment and disposal is still the most environmentally friendly method of treating residential/commercial waste and you should keep your system in use for as long as it is properly functioning. If you have additional questions, please feel free to contact your system designer or the MCHD.



Name: MINT HILL
Date: 5/3/2004
Scale: 1 inch equals 1000 feet

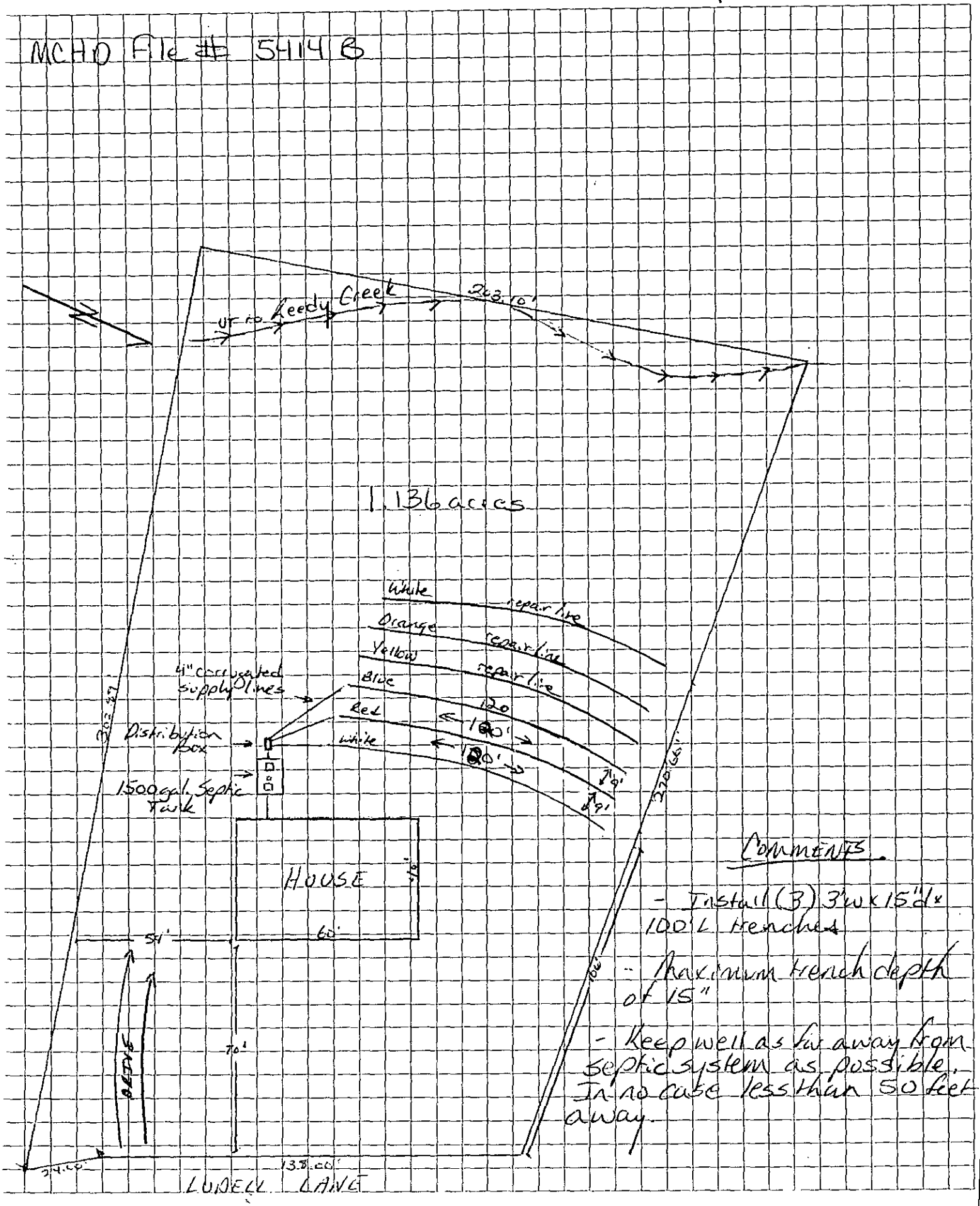
Location: 035° 13' 53.91" N 080° 42' 35.44" W
Caption: 6638 Ludell Lane
Charlotte, NC

Copyright (C) 1998, Maptech, Inc.

Thompson Environmental Consulting
114 Orchard Ridge Road
Locust, NC 28097

Location: 6638 Ludell Lane
Date: May 3, 2004

MCHD File # 54148



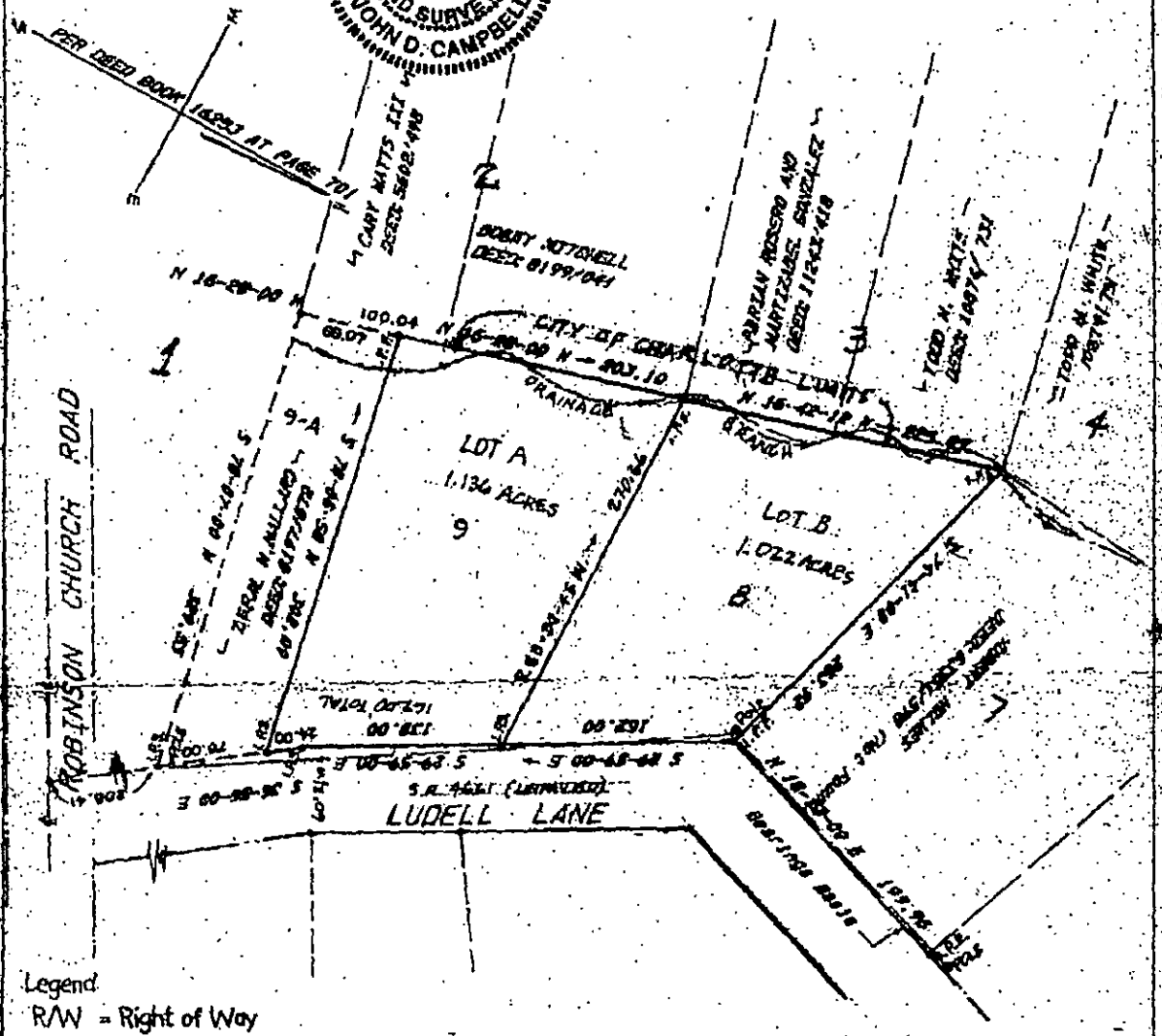
Comments

- Install (3) 3'w x 15"d x 100'L trenches
- Maximum trench depth of 15"
- Keep well as far away from septic system as possible. In no case less than 50 feet away.

This is to certify that on the 3rd. day of February 2004 I Surveyed the property shown on this plat, and that the title lines and physical features, if any, are as shown hereon, and that the area of this property is 94,002.6 square ft. or 2.158 acre(s) as calculated by the coordinate method with a Ratio of precision of 1: 11,501.1 This survey and plat does not meet all requirements of N. C. G.S. 47-30 as ammended.

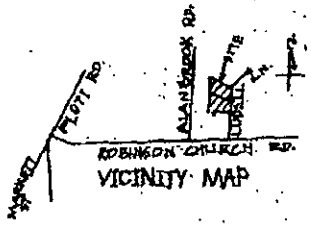
NORTH CAROLINA PROFESSIONAL SEAL L-1390 LAND SURVEYOR JOHN D. CAMPBELL

Signed John D Campbell
NC Professional Land Surveyor (704)392-8875
6626 Glenmoor Drive, Charlotte, NC 28214



Legend
R/W = Right of Way
———·——— = Street R/W
——— = Property Lines
---x---x--- = Fence Lines
———E——— = Easements
▨ = Concrete
I.P.F. = Iron Pin Found
I.P.S. = Iron Pin Set

Note:
This property is not within a designated flood prone area.
Reference: F.E.M.A. Flood Panel No. 3107 5D 0120 K



A Boundary Survey of Part of Lots 8 and 9, of the Beulah B. Mulkey Property
City of Charlotte or Crab Orchard Township, Mecklenburg County, NC
Survey for Gary H. Pearce (GRANTOR: Robert C. Holmes: Deed 16293/701)

Map recorded in Book 0 Page 0, Current Deed recorded in Book 16293 Page 701
Scale 1" = 100 ft. Drawn by JDC, Field work 2/3/04, Field Book 34 Page 144
Tax Parcel Number 106 02 06 Survey Project Number 3001

50' 100 150 200

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

Property ID: Po 108-012-06
Lot #: 6
File #: 5414B
Code: 2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Hubert C. holmes
Applicant:
Address: 12115 Woodbend Drive, Matthews, N. C. 28105
Date Evaluated: 11/17/2003
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: 1.0a
Location of Site: 6638 Ludell Lane
Property Recorded:
Water Supply: [ ] Public [x] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [x] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS, 12	0-6	GR/SCL	FR/SEXP/SS/SP	2.5Y7/1@24"	30	N/A	NONE	US, IV .1GPD/FT^2 LPP
		6-15	SBK/SCL	"					
		15-30	SBK/SC	FI/SEXP/S/P					
2	LS, 10	0-6	GR/SCL	FR/SEXP/SS/SP	>52" TO SOIL WETTNESS	27	PS	"	PS, SAP II .3GPD/FT^2
		6-27	SBK/C	FI/SEXP/S/P					
		27-52	M/L	FR/SEXP/NS/NP					
3	"	0-6	GR/SCL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	"	US, IV .125GPD/FT^2
		6-24	SBK/C	FI/SEXP/S/P					
		24-30	SBK/CL	FR/SEXP/SS/SP					
		30+	M/CL	"					
4	"	0-6	GR/CL	"	2.5Y7/1@29"	29	"	"	US, IV .125GPD/FT^2
		6-29	SBK/C	FI/SEXP/S/P					
5	"	0-6	GR/SCL	FR/SEXP/SS/SP	2.5y7/1@30"	48	"	"	"
		6-30	SBK/C	FI/SEXP/S/P					
		30-48	SBK/SCL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.125GPD/FT^2	.125GPD/FT

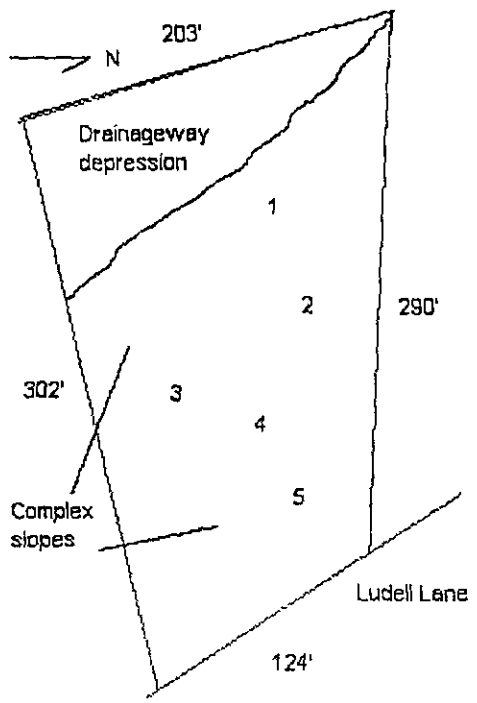
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 11/18/2003, W. R. Marlin
Others Present: H. Holmes

FILE # 5414B

COMMENTS: Probably 100% repair

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT-	0.6 – 0.3		SP-SLIGHTLY STICKY
CV-CONVEX SLOPE		SIL-SILT LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



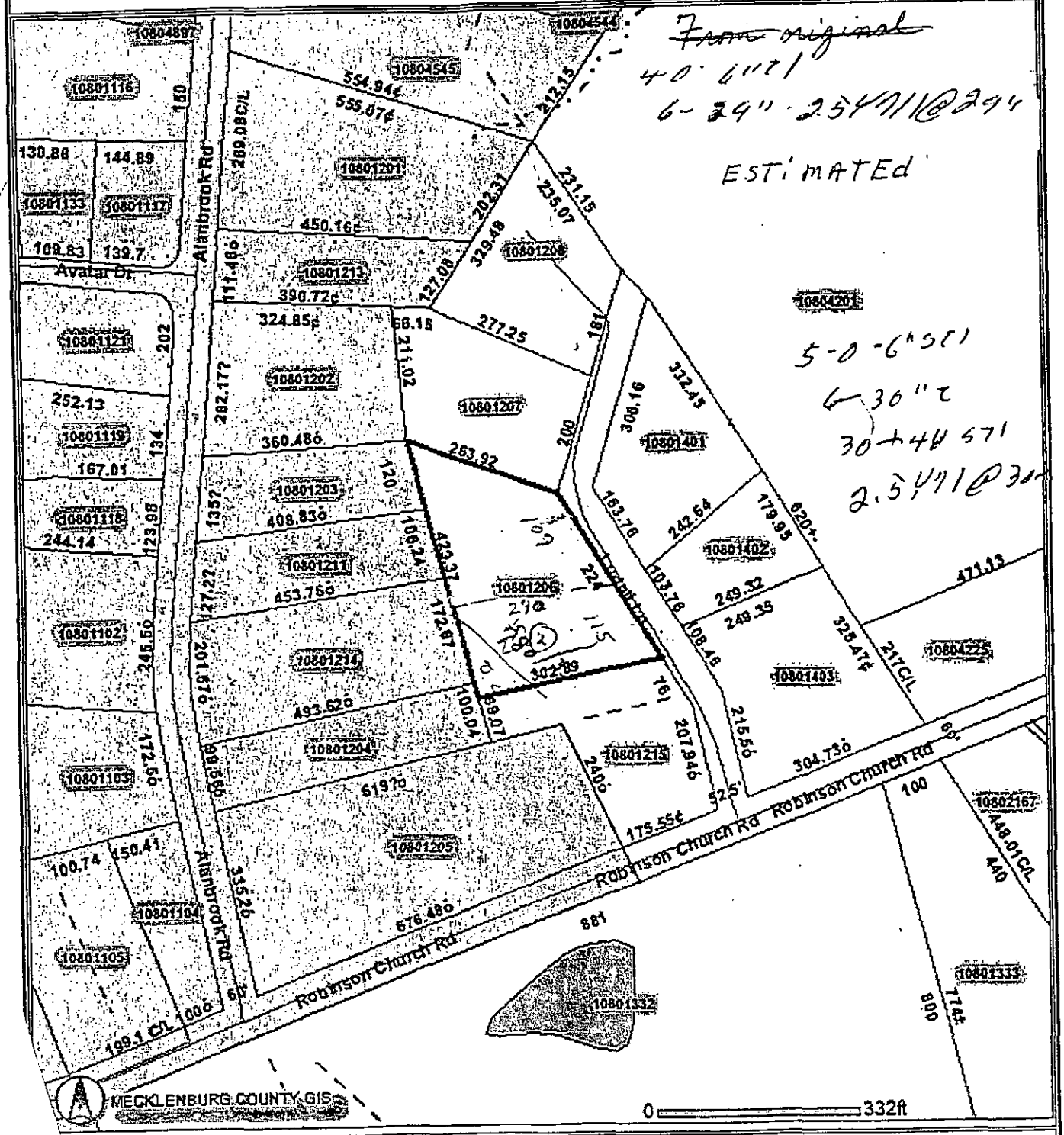
Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Fri Sep 12 14:41:20 EDT 2003

10801206



map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, netric maps, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information s should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information ed herein.

FEE: 200.00

DATE: 10-22-03 VISA PAYMENT

APPLICATION FOR IMPROVEMENT PERMIT
FOR RESIDENTIAL SITE
INDIVIDUAL WATER AND WASTEWATER
SYSTEMS PROGRAM

[ ] CRT

TYPE APPLICATION: ✓ NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

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

FILE #: 54143

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 108-012-06

STREET ADDRESS: 6638 LUDELL LN.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 6

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

__ 0 MECKLENBURG
✓ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

HEATED SQUARE FOOTAGE: 1800

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS: 3

CLOSING DATE _____

FOUNDATION FOR RESIDENCE:

__ WITHOUT BASEMENT ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

__ COMMUNITY (C)
__ SHARED WELL (S)
__ MUNICIPAL (M)
__ OTHER 'SPRINGS' (O)
✓ PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES __ YES __ NO
EXISTING WASTEWATER SYSTEMS __ YES __ NO
EASTMENTS OR RIGHT-OF-WAYS __ YES __ NO
WELL, SPRINGS OR WATERLINES __ YES __ NO
DESIGNATED WETLANDS __ YES __ NO

PROPERTY OWNER:

NAME: HOLMES (LAST) HUBERT (FIRST) C (MI)

ADDRESS: 12115 WOODBEND DR.

CITY: MATTHEWS STATE: N.C. ZIP: 28105

DAYTIME PHONE: (704) 542-1100

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) -

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 10-6-03

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 agents of the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

DATE: 10-22-03

SIGNED: Hubert Holmes

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

Mecklenburg County
Health Department

January 27, 2004

Hubert C. Holmes
12115 Woodbend Drive
Matthews, NC 28105

Re: Application for improvement permit for Hubert C. Holmes
Property site: 6638 Ludell Lane
Health Department file No. 5414B

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on December 13, 2003 evaluated the above-referenced property at the site designated on the plat/site plan that accompanied your improvement permit application. According to your application the site is to serve a 4-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 including 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 no improvement permit shall 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, N.C. 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 Statute 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 January 27, 2004. 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, N.C. 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. - DENR

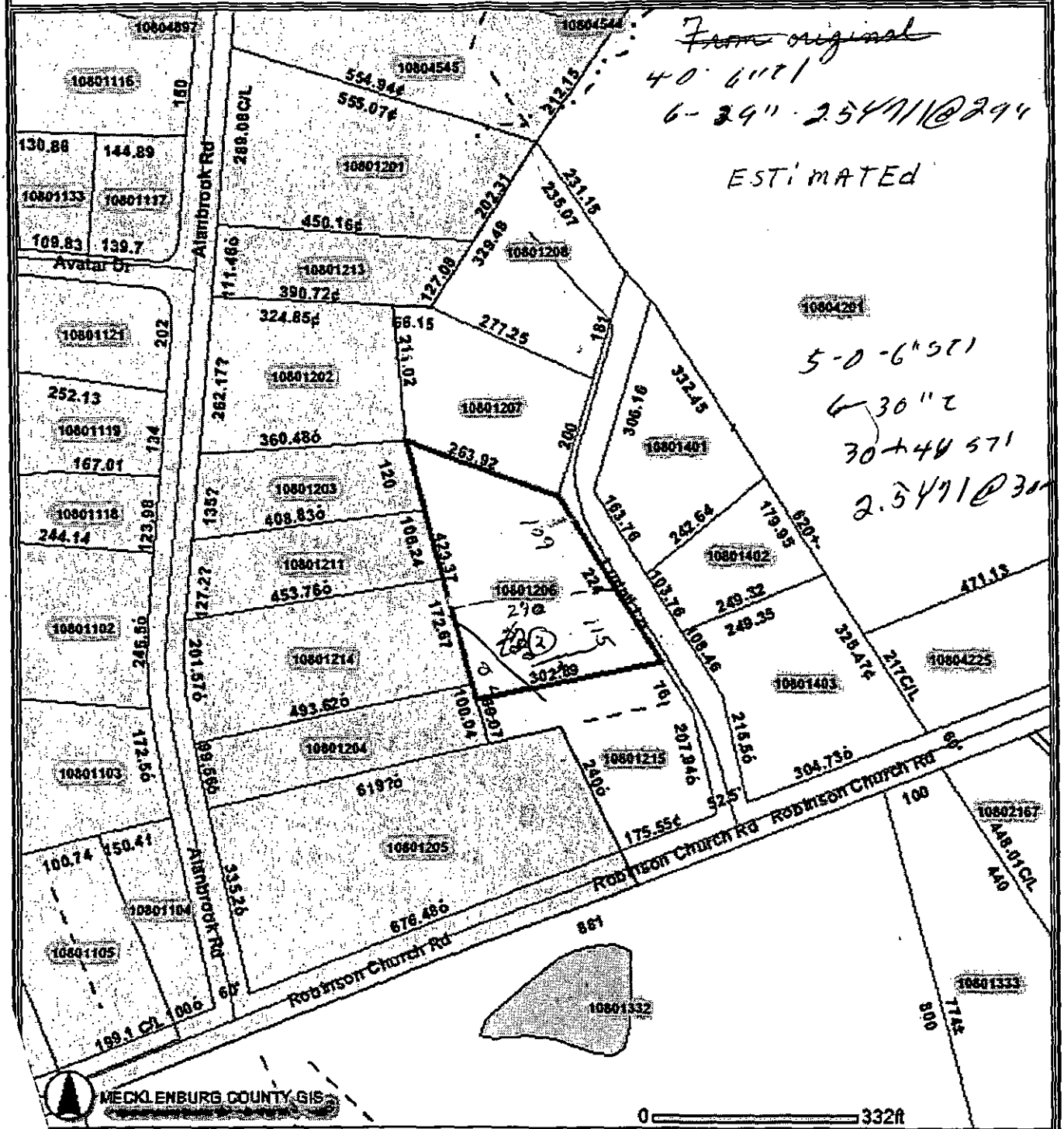
Mecklenburg County, North Carolina

POLARIS

Property Ownership Land Records Information System

Date Printed: Fri Sep 12 14:41:20 EDT 2003

10801206



map is prepared for the inventory of real property within Mecklenburg County and is compiled from recorded deeds, plats, tax maps, surveys, metric maps, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information s should be consulted for verification. Mecklenburg County and its mapping contractors assume no legal responsibility for the information ed herein.

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

Sheet: 1
Property ID: Po 108-012-06
Lot #: 6
File #: 5414B
Code: 2

ACS

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Hubert C. holmes
Applicant:
Address: 12115 Woodbend Drive, Matthews, N. C. 28105
Date Evaluated: 11/17/2003
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: 1.0a
Location of Site: 6638 Ludell Lane
Property Recorded:
Water Supply: [ ] Public [x] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [x] 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, 12	0-6	GR/SCL	FR/SEXP/SS/SP	2.5Y7/1@24"	30	N/A	NONE	US, IV .1GPD/FT^2 LPP
		6-15	SBK/SCL	"					
		15-30	SBK/SC	FI/SEXP/S/P					
2	LS, 10	0-6	GR/SCL	FR/SEXP/SS/SP	>52" TO SOIL WETTNESS	27	PS	"	PS, SAP II .3GPD/FT^2
		6-27	SBK/C	FI/SEXP/S/P					
		27-52	M/L	FR/SEXP/NS/NP					
3	"	0-6	GR/SCL	FR/SEXP/SS/SP	>30" TO SOIL WETNESS	30	N/A	"	US, IV .125GPD/FT^2
		6-24	SBK/C	FI/SEXP/S/P					
		24-30	SBK/CL	FR/SEXP/SS/SP					
		30+	M/CL	"					
4	"	0-6	GR/CL	"	2.5Y7/1@29"	29	"	"	US, IV .125GPD/FT^2
		6-29	SBK/C	FI/SEXP/S/P					
5	"	0-6	GR/SCL	FR/SEXP/SS/SP	2.5y7/1@30"	48	"	"	"
		6-30	SBK/C	FI/SEXP/S/P					
		30-48	SBK/SCL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.125GPD/FT^2	.125GPD/FT

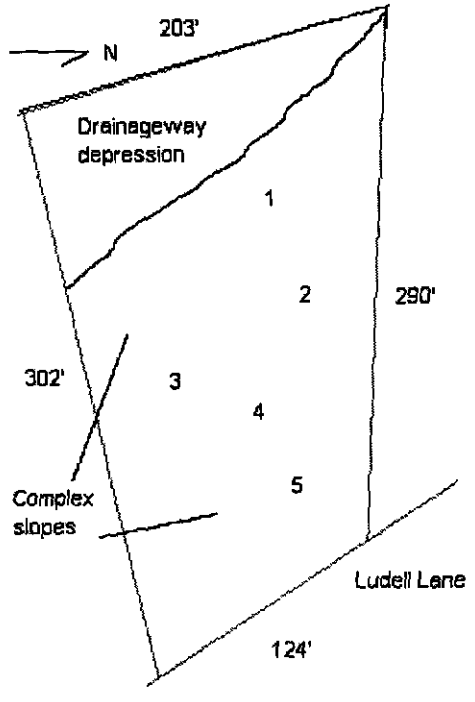
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 11/18/2003. W. R. Marlin
Others Present: H. Holmes

FILE # 5414B

COMMENTS: Probably 100% repair

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTLY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 – 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
H-HEAD SLOPE				EFI-EXTREMELY FIRM	NP-NON-PLASTIC
CC-CONCLAVE SLOPE	III	SI-SILT-	0.6 – 0.3		SP-SLIGHTLY STICKY
CV-CONVEX SLOPE		SIL-SILT LOAM			P-PLASTIC
T-TERRACE		CL-CLAY LOAM			VP-VERY PLASTIC
FP-FLOOD PLAN		SCL-SANDY CLAY LOAM			
		SICL-SILTY CLAY LOAM			
	IV	SIC-SILTY CLAY	0.4 – 0.1		
		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE	MINERALOGY
SG-SINGLE GRAIN	SLIGHTLY EXPANSIVE
M-MASSIVE	
CR-CRUMB	EXPANSIVE
GR-GRANULAR	
SBK-SUBANGULAR BLOCKY	
ABK-ANGULAR BLOCKY	
PL-PLATY	
PR-PRISMATIC	



FEE: 200.00

DATE: 10-22-03 VIA VISA PAYMENT

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

[ ] CRT

TYPE APPLICATION: ✓ NEW SYSTEM ___ EXPANSION/ ALTERATION OF EXISTING SYSTEM ___ REPAIR OF EXISTING SYSTEM

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

FILE #: 5414B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 108-012-06

STREET ADDRESS: 6638 LUDELL LN.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 6

TYPE OF BUILDING (CHECK ONE):

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

TOWNSHIP (CHECK ONE):

___ 0 MECKLENBURG
✓ 1 CHARLOTTE
___ 2 DAVIDSON
___ 3 CORNELIUS
___ 4 PINEVILLE
___ 5 MATTHEWS
___ 6 HUNTERSVILLE
___ 7 MINT HILL

HEATED SQUARE FOOTAGE: 1800

NUMBER OF BEDROOMS: 3 NUMBER OF OCCUPANTS: 3

CLOSING DATE _____

FOUNDATION FOR RESIDENCE:

___ WITHOUT BASEMENT
___ ON SLAB
✓ CRAWL SPACE
___ WITH BASEMENT /PLUMBING
___ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: ___ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):

___ COMMUNITY (C)
___ SHARED WELL (S)
___ MUNICIPAL (M)
___ OTHER 'SPRINGS' (O)
✓ PRIVATE WELL (P)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES ___ YES ___ NO
EXISTING WASTEWATER SYSTEMS ___ YES ___ NO
EASTMENTS OR RIGHT-OF-WAYS ___ YES ___ NO
WELL, SPRINGS OR WATERLINES ___ YES ___ NO
DESIGNATED WETLANDS ___ YES ___ NO

PROPERTY OWNER:

NAME: HOLMES (LAST) HUBERT (FIRST) C (MI)

ADDRESS: 12115 WOODBEND DR.

CITY: MATTHEWS STATE: N.C. ZIP: 28105

DAYTIME PHONE: (704) 542-1100

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) -

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 10-6-03

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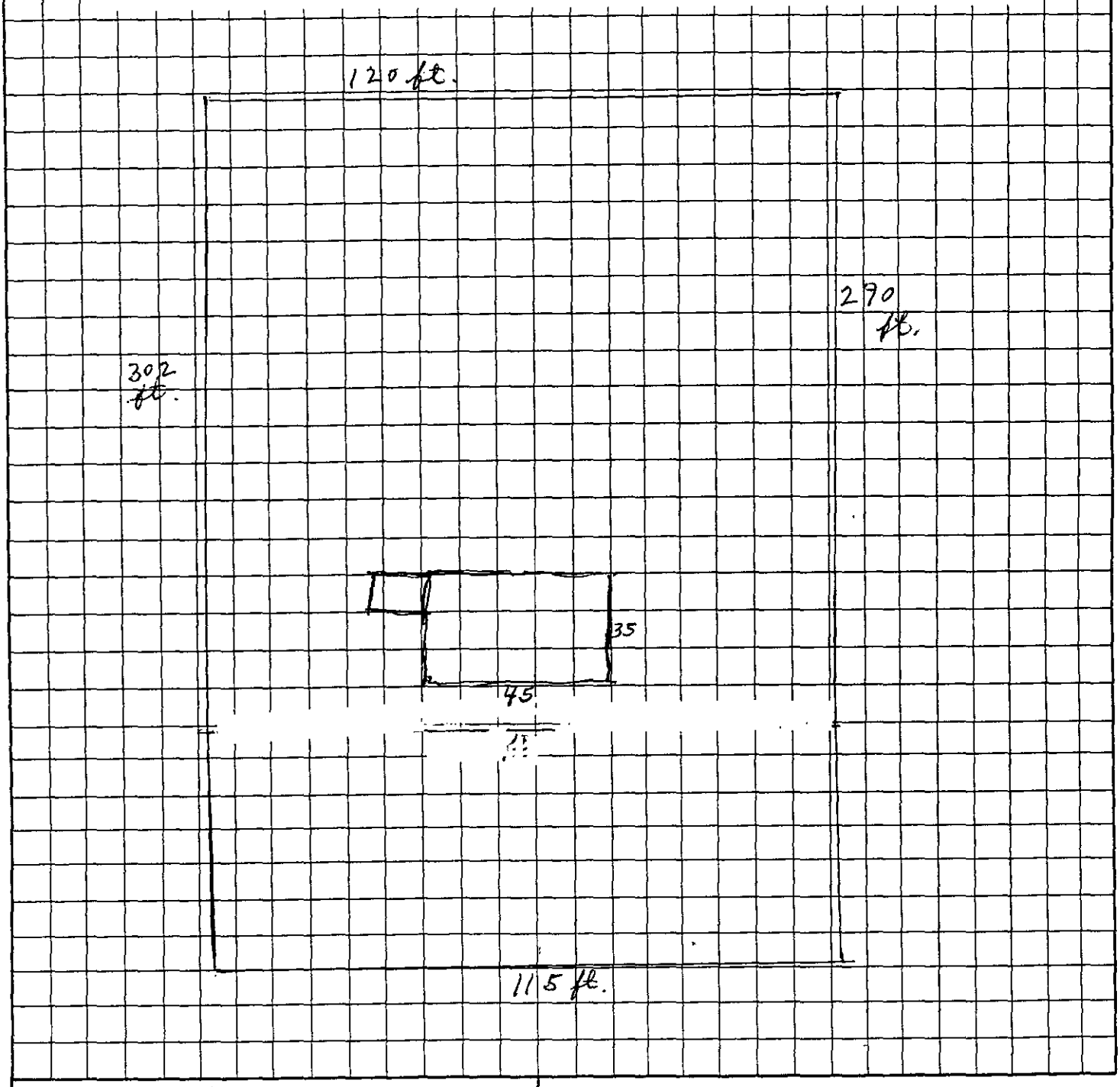
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 5414B

TC: 108-012-06

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.



Hubert Holmes
OWNER/AGENT SIGNATURE

DATE 10-22-03

APPROVAL DATE _____

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