

9725 KERNS RD

01523108

8/20/08

marliwr

Groundwater and Wastewater Services File Imaging Project
May 2007
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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

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 19089 Permit #: 1514 Tax Parcel #: 015-231-08

Property Owner: DANNY EDWARDS

Job Location Address: 9725 KERNS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

Operation Permit Issuance Date: _____ Contractor Name: STEVE JORDAN

Permitted Design Flow: 480 GPD

Liquid Capacity of Septic Tank: EXISTING gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: MYERS 1 HORSE

Drainfield Installation ☐ N/A

Trench Depth: 30 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) CHAMBER

Depth of Cover: 14 inches

Distribution Device: PRESSURE MANIFOLD

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

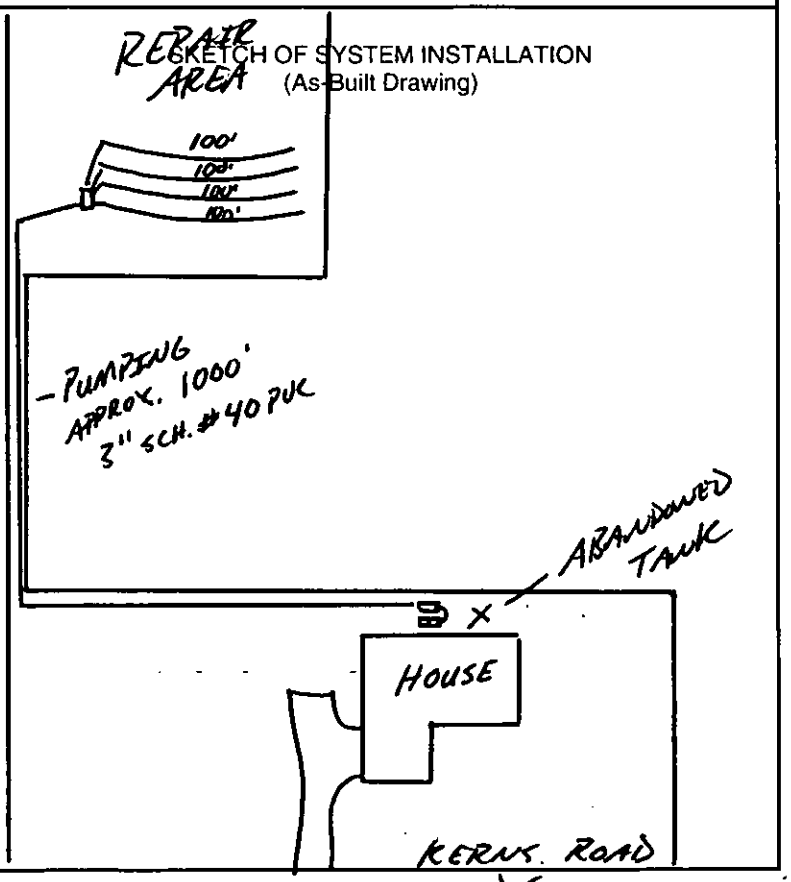
Inspection Dates

Tank(s) Inspected: 1/26/07

Excavation Inspected: 1/26/07

Pump & Controls Inspected: 1/26/07

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 b PUMP TO 25% REDUCTION SYSTEM

DENR Authorized Agent: Jeremy Michelow, R.S. Signature: Jeremy Michelow, R.S.

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

INSTALLATION APPROVAL for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 19089 Permit #: 1514 Tax Parcel #: 015-231-08

Property Owner: DANNY EDWARDS

Job Location Address: 9725 KERNS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

Installation Approval Issuance Date: 6/16/07

Permission is hereby given to ☐ install ☒ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 2/16/07, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 480 GPD

Site LTAR: 0.3 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Drainfield Design ☐ N/A

Trench Depth: 30 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) 25% RED.

Distribution Device: PRESSURE MANIFOLD

Bed Design *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☐ Municipal ☒ Private Well ☐ Community Well

☐ Other _____

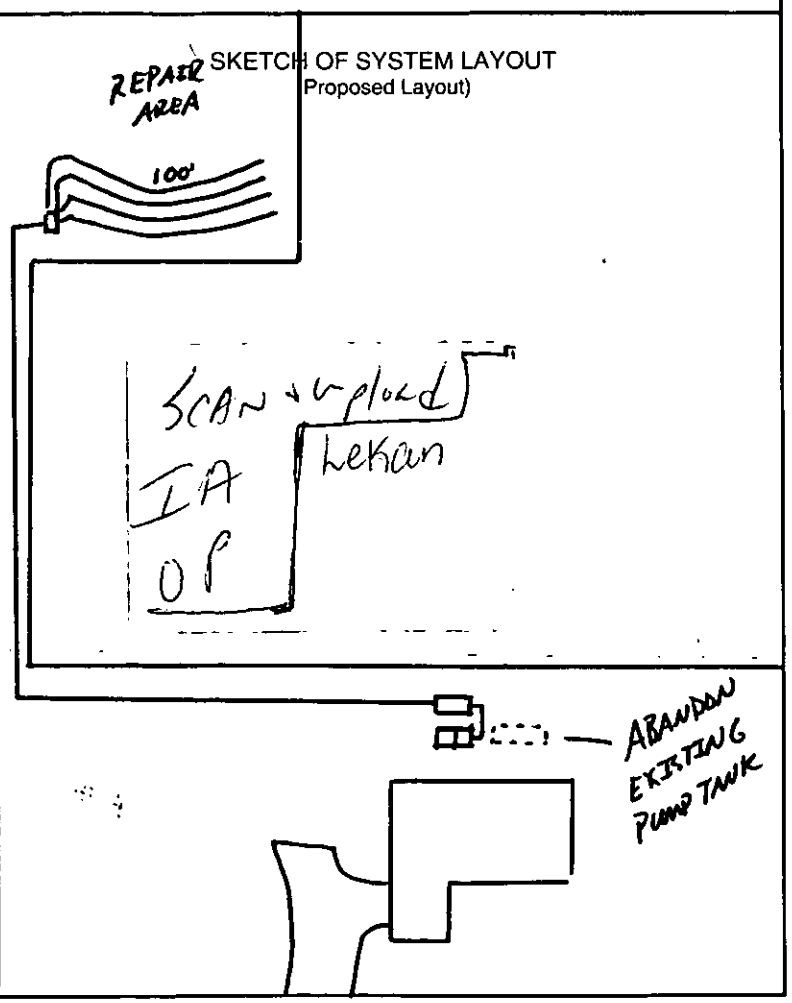
Minimum System Setbacks

Distance from Building Foundation: 5' feet

Distance from Property Line: 10' feet

Distance from Water Supply Source: 100' feet

SKETCH OF SYSTEM LAYOUT (Proposed Layout)



Comments: System Classification & Type: III b Pump TO 25% Reduction System

SYSTEM IS BEING INSTALLED FOR THE ADDITION OF A FUTURE BEDROOM FOR THE EXISTING 3 BEDROOM HOUSE

DENR Authorized Agent: Jeremy Michelow R.S. Signature: Jeremy Michelow, R.S.

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

Sheet: 1 of 2
Property ID: PO 015-231-08
Lot #: 5 & COS
File #: 6737B
AppID: 1346
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Hecht Development
Applicant: Danny Edwards
Address: 388 N. Highway 16, Denver, N. C. 28037
Date Evaluated: 10/6/06
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: Approx. 3.9 lot & COS
Location of Site: Off Kerns 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 #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
1	LS, 8	0-7	GR/CL	FR/SEXP/SS/SP	>40" TO SOIL WETNESS	40	N/A	NONE	PS, IV .3GPD/FT^2
		7-37	SBK/C	FI/SEXP/S/P					
		37-40	SBK/CL	FR/SEXP/SS/SP					
2	"	0-7	GR/CL	"	>44" TO SOIL WETNESS	44	"	"	"
		7-29	SBK/C	FI/SEXP/S/P					
		29-44	SBK/CL	FR/SEXP/SS/SP					
3	"	0-8	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	"
		8-41	SBK/C	FI/SEXP/S/P					
		41-48	SBK/CL	FR/SEXP/SS/SP					
4	"	0-9	GR/CL	"	>46" TO SOIL WETNESS	46	"	"	"
		9-34	SBK/C	FI/SEXP/S/P					
		34-46	SBK/CL	FR/SEXP/SS/SP					
5	"	0-6	GR/CL	"	>47" TO SOIL WETNESS	47	"	"	"
		6-32	SBK/C	FI/SEXP/S/P					
		32-47	SBK/CL	FR/SEXP/SS/SP					
COMMON OPEN SPACE BORINGS									
1	LS, 6	0-8	GR/CL	FR/SEXP/SS/SP	>43" TO SOIL WETNESS	43	"	"	PS, IV .3GPD/FT^2
		8-43	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. Martin, LSS, 10/10/2006, W. R. Martin
Others Present: D. Edwards

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

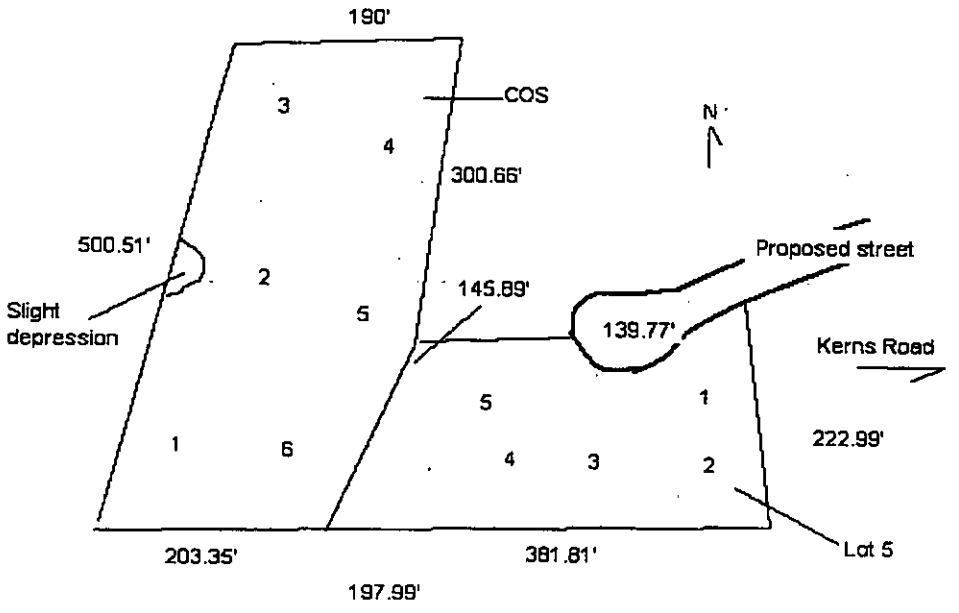
PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	SOIL MORPHOLOGY 1941 Consistence Mineralogy	OTHER PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
2	LS, 6	0-8	GR/CL	FR/SEXP/SS/SP	>44" TO SOIL WETNESS	44	N/A	NONE	PS, IV .325GPD/FT
		8-24	SBK/C	FI/SEXP/S/P					
		24-44	SBK/CL	FR/SEXP/SS/SP					
3	"	0-7	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	PS, IV .3GPD/FT^2
		7-48	SBK/C	FI/SEXP/S/P					
4	"	0-6	GR/CL	FR/SEXP/SS/SP	>47" TO SOIL WETNESS	47	"	"	"
		6-35	SBK/C	FI/SEXP/S/P					
		35-47	SBK/CL	FR/SEXP/SS/SP					
5	"	0-4	GR/CL	"	>46" TO SOIL WETNESS	46	"	"	"
		4-40	SBK/C	FI/SEXP/S/P					
		40-48	SBK/CL	FR/SEXP/SS/SP					
6	"	0-4	GR/CL	"	>27" TO SOIL WETNESS	18	"	"	US, IV .125GPD/FT^2
		4-18	SBK/C	FI/SEXP/S/P					
		18-27	M/SL	VFR/SEXP/NS/NP					
	SAPROLITE	MAY BE	USEABLE	PENDING PIT INV. IN	AREA OF BORING 6 IN	COS AREA			

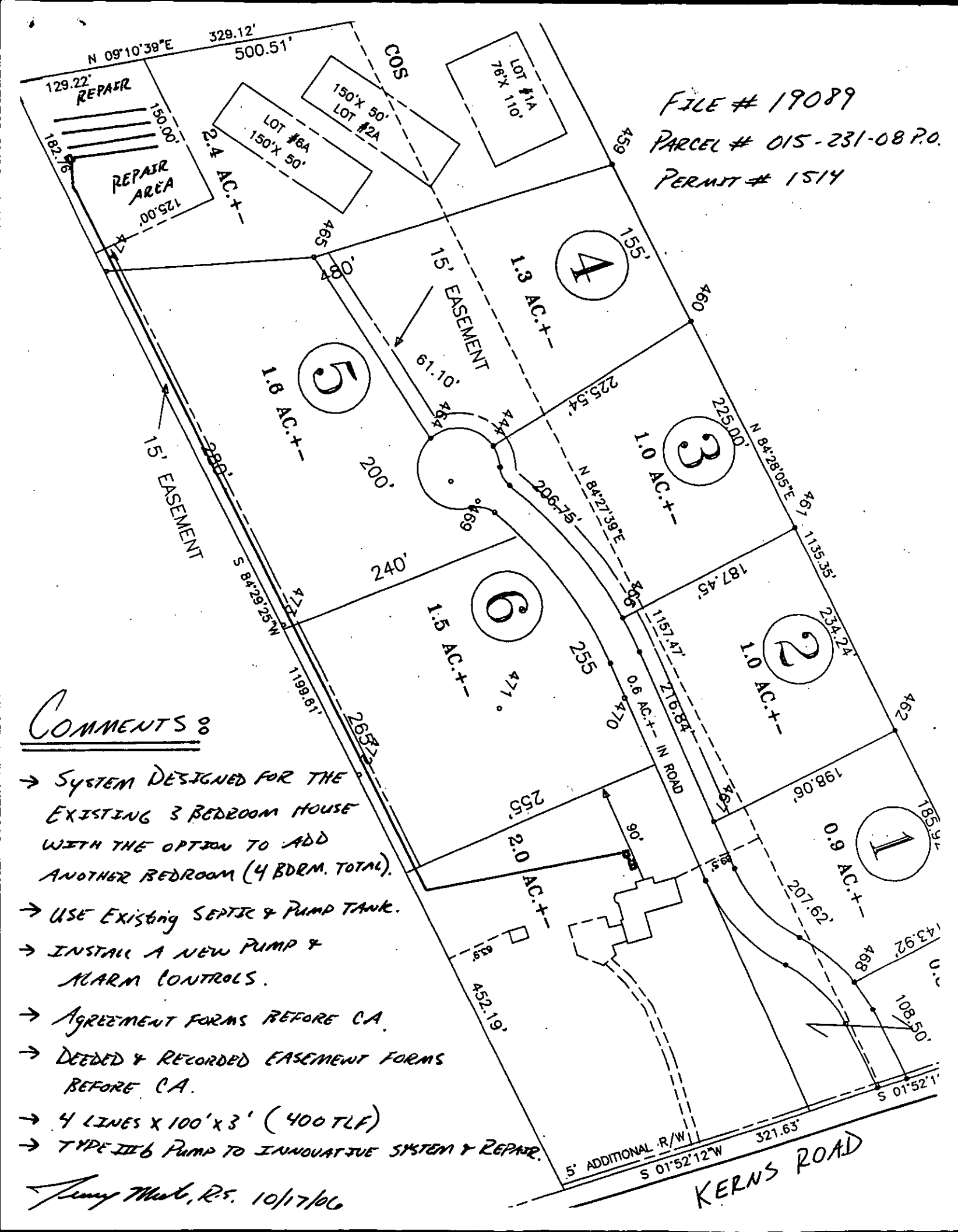
COMMENTS:
100% repair

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

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

Sketch of Soil Evaluation Locations





COMMENTS:

- → SYSTEM DESIGNED FOR THE EXISTING 3 BEDROOM HOUSE WITH THE OPTION TO ADD ANOTHER BEDROOM (4 BDRM. TOTAL).
- → USE EXISTING SEPTIC & PUMP TANK.
- → INSTALL A NEW PUMP & ALARM CONTROLS.
- → AGREEMENT FORMS BEFORE CA.
- → DEEDED & RECORDED EASEMENT FORMS BEFORE CA.
- → 4 LINES X 100'X 3' (400 TLF)
- → TYPE III 6 PUMP TO INNOVATIVE SYSTEM & REPAIR.

Jimmy Mack, R.S. 10/17/06

CC APP 094526

#1514

GWS – RES. APP 07/05

SEPTIC FEE: 200
DATE: 10/5/06
CRT [ ] JC

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

WELL FEE: _____
DATE: _____
CRT [ ]

FILE # ~~[illegible]~~ 19089

SEPTIC / TYPE APPLICATION: ☐ NONE ☒ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

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

COPY

JOB LOCATION INFORMATION:

TAX/PARCEL #: 015-231-08 Lot
STREET ADDRESS: ~~[illegible]~~ Kerns Rd
CITY: Huntersville
STATE: NC ZIP: 28078
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:
NUMBER OF BEDROOMS: 3 ~~3~~ 3
NUMBER OF OCCUPANTS:

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: Bill Eugene W. Wampler
ADDRESS: 9725 Kerns Rd
CITY: Huntersville
STATE: NC ZIP: 28078
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: DANNY Edwards
ADDRESS: 388 N. Hwy 16
CITY: Denver
STATE: ZIP: 28037 704/489-1183
HOME PHONE: WORK PHONE:
MOBILE PHONE: 996-0117 704- FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?
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.

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

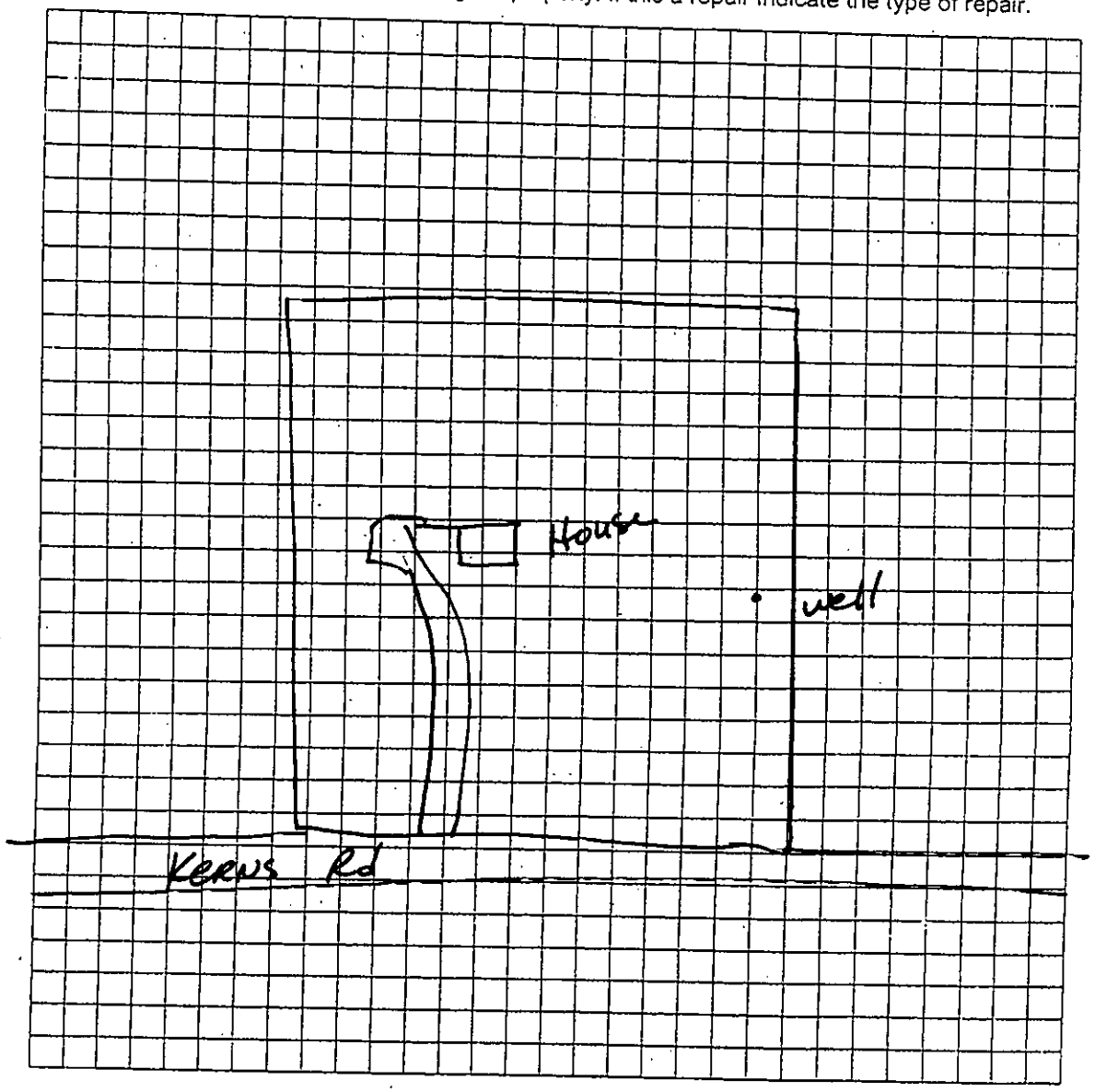
MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # Lot 30B
Date

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



2.6 AC

Owner/Agent Signature
Date

LBC 12/15/04

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

Sheet: 1 of 2
Property ID: PO 015-231-08
Lot #:
File #: 19089
AppID: 1514
Code: 3

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Eugene W. Wampler
Applicant: Danny Edwards
Address: 9725 Kerns Road, Huntersville, N. C. 28078
Date Evaluated: 10/5/06
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: 2.6a
Location of Site: 9725 Kerns 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 #	.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/CL	FR/SEXP/SS/SP	2.5Y7/2 at 27"	27+	N/A	NONE	US
		8-27	SBK/ABK/C	VFI/EXP/VS/VP					
2	"	0-5	GR/CL	FR/SEXP/SS/SP	>16" TO SOIL WETNESS	16+	"	"	"
		5-16	SBK/ABK/C	VFI/EXP/VS/VP					
3	"	0-3	GR/CL	FR/SEXP/SS/SP	>12" TO sOIL WETNESS	12+	"	"	"
		3-12	SBK/ABK/C	VFI/EXP/VS/VP					
4	"	0-5	GR/CL	FR/SEXP/SS/SP	2.5Y7/1 at 26"	27	"	"	"
		5-24	SBK/ABK/C	FI/SEXP/S/P					
		24-27	SBK/ABK/C	VFI/EXP/VS/VP					
5	"	0-5	GR/SCL	FR/SEXP/SS/SP	2.5Y6/1 at 19"	19+	"	"	"
		5-19	SBK/ABK/C	VFI/EXP/VS/VP					
6	"	0-3	GR/SCL	FR/SEXP/SS/SP	>9" TO SOIL WETNESS	9+	"	"	"
		3-9	SBK/ABK/C	VFI/EXP/VS/VP					

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

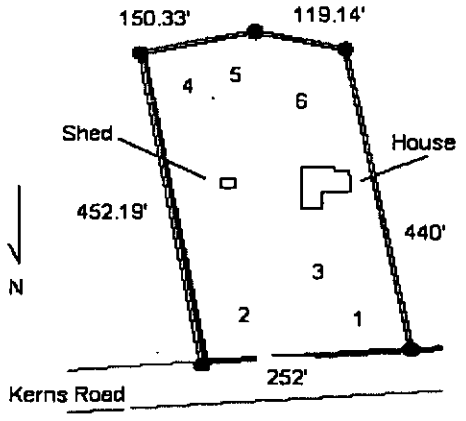
Other Factors (.1946):
Site Classification (.1948): ~~UNSUITABLE~~ PROVISIONAL
Evaluated By: W. R. Marlin, LSS, 10/6/2006. W. R. Marlin
Others Present: D. Edwards

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
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FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



Mecklenburg County 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 #: **30001514** GWS File #: **19089** Tax Parcel #: **015-231-08**

- 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):** 10/17/2011

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 3

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Pump to Innovative or Experimental **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 30 Depth of Media (in): 12 Distribution Device: Pressure Manifold

III. Repair System Type: Pump to Innovative or Experimental **System Classification:** IIId

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1200 Total Trench Length (ft): 400

Maximum Trench Depth (in): 30 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 Michelone

Signature: Jeremy Michelone, R.S.

Date Issued: 10/17/2006

Owner/Legal Agent: Danny Edwards
Print Name

Signature: Danny Edwards

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 #: 30001514 GWS File #: 19089

IV. Permit Conditions/Comments:

- ~~Owner agreement forms for site reclassification shall be on file prior to issuance of Construction Authorization.~~ SPM.
- ~~Easement agreement forms shall be on file and the property shall be deeded and recorded prior to issuance of Construction Authorization.~~ SPM.
- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- 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.
- Install a new pump and alarm controls in the existing pump tank.

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 Michelone

Signature: Jeremy Mich. R.S.

Date Issued: 10/17/2006

Owner/Legal Agent: Dawn Edwards
Print Name

Signature: Dawn Edwards

FOR RECORDING:

DATE

REVIEW OFFICER

ITE

3E SUBJECT TO RECORDED OR
GHTS OF WAYS OR EASEMENTS

TO VERIFY ALL SETBACKS
GULATIONS PRIOR TO ANY
CONSTRUCTION.

COS CALCULATIONS

13.241 AC.+- TOTAL - 2.554 AC. +- IN OLD HOUSE LOT
= 10.687 AC. +- IN DEVELOPMENT AREA TOTAL
50% IN NON COS LOT AREA - 5.322 AC.+-
50% IN DESIGNATED COS AREAS - 5.365 AC.+-

IMPERVIOUS CALCULATIONS

13.241 AC.+- OR 576,778 SF TOTAL (INCLUDING OLD HOUSE TRACT)
X 12% ALLOWABLE IMPERVIOUS = 69,213 SF
- 1000 SF FOR OLD HOUSE LOT
- 14,400 SF FOR NEW 18' WIDE ROADWAY
= 53,813 SF AVAILABLE FOR 6 LOTS
WHICH IS AN AVERAGE OF 8969 SF PER LOT

RONNIE DEDMON, PLS #1222
CHUCK POOVEY, PLS #3762
ROBERT DEDMON, PLS #3899
PHILLIP HARRIS, PLS #4164
4837 NORTH HIGHWAY #16
P. O. BOX 494 DENVER, N.C. 28037
(704) 483-4908

HECHT DEVELOPMENT
#16
28037
351

ZONED R 01523105
ECKLENBURG COUNTY
11851/657

ZONED R 01523111
MARY F. MCCOY
8122/164

ZONED R 01523109
CHRISTOPHER HARDIN

KERNS ROAD 60' R/W

LANDMARK TIE
N 09°06'39" E 586.24' TO #4 PIN

1 1/4" PIPE
N 09°03'56" E 67.98'
#4 PIN
N 09°18'07" E 103.36'
N 09°13'04" E 171.39'
#4 PIN
3/4" PIPE
N 09°10'39" E 329.12' 199.90'
#4 PIN
N 84°29'25" E 100.00'
#4 PIN
S 05°30'35" E 110.00'
#4 PIN
N 84°29'25" E 75.64'
3/4" PIPE
B STONE
N 09°22' 129.22'
S 84°29'25" W 1225.70'
N 84°29'25" E 747.54'
383.65'
0.431 AC.+-
366.75'
33.68'
130.58'
N 84°28'05" E 1156.39'
WOODS LINE
#4 PIN
837
838
842
843
844
840
841
845
846
847
835
836
834
831
832
833
830
828
829
1" PIPE
BENT #4 PIN
#4 PIN
#4 PIN
#4 PIN
#4 PIN
3/4" PIPE
CONTROL CORNER

LOT #1A
76' X 110'

LOT #2A
150' X 50'

LOT #6A
150' X 50'

1.983 AC.+-
COS

OPEN LAND
1.322 AC.+- TOT.

170.00'
0.203 AC.+-
183.39'
50.49'
50.41'
175.13'
250.17'
61.10'
15' SEPTIC EASEMENT
208.34'
180.00'
126.77'

225.00'
0.256 AC.+-
PRIVATELY HELD OPEN SPACE
220.51'

1.022 AC.+- TOT.

220.00'
0.251 AC.+-
217.55'
50.00'
50.00'
124.61'
211.35'

0.926 AC.+- TOT.

200.00'
0.230 AC.+-
50.00'
50.00'
125.00'
218.26'

0.880 AC.+- TOT.

130.35'
21.04'
0.831 AC.+-
COS
166.82'
S 01°24'44" W
22.59'
117.07'
30.01'
321.19'
S 01°12'51" W
174.11'
26.09'
ORIGINAL LOT LINE
30' R/W

0.620 AC.+-
277.07'
198.49'
N 05°30'31" W 252.59'

EXISTING HOUSE
OPEN LAND
WOODS LINE

2.554 AC.+-
COORD. METHOD
9725 KERNS RD
HUNTERSVILLE, NC 28078

PRIVATELY HELD OPEN SPACE
0.560 AC.+- 288.25'
235.61'
199.61'
15' STRIP

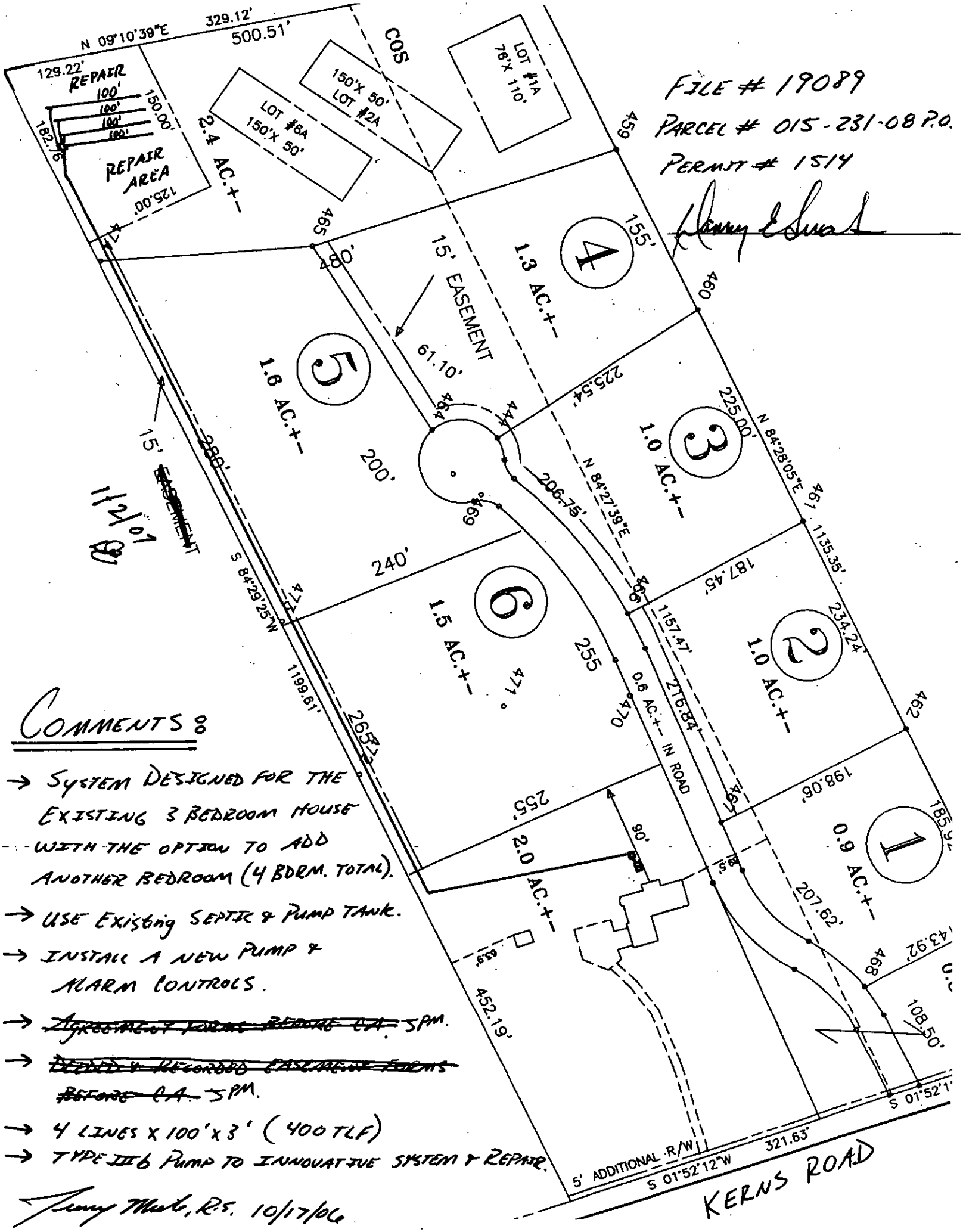
1.602 AC.+- TOT.

1.501 AC.+- TOT.

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1/2/07

COMMENTS:

- → SYSTEM DESIGNED FOR THE EXISTING 3 BEDROOM HOUSE WITH THE OPTION TO ADD ANOTHER BEDROOM (4 BDRM. TOTAL).
- → USE EXISTING SEPTIC & PUMP TANK.
- → INSTALL A NEW PUMP & ALARM CONTROLS.
- → ~~AGREEMENT FORMS BEFORE C.A.~~ 5PM.
- → ~~DEEDS & RECORDED EASEMENT FORMS BEFORE C.A.~~ 5PM.
- → 4 LINES X 100'X3' (400 TLF)
- → TYPE III b PUMP TO INNOVATIVE SYSTEM & REPAIR.

Jerry Mack, R.S. 10/17/06

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

Sheet: 1 of 2
Property ID: PO 015-231-08
Lot #:
File #: 19089
AppID: 1514
Code: 3

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Eugene W. Wampler
Applicant: Danny Edwards
Address: 9725 Kerns Road, Huntersville, N. C. 28078
Date Evaluated: 10/5/06
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: 2.6a
Location of Site: 9725 Kerns 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 #	.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/CL	FR/SEXP/SS/SP	2.5Y7/2 at 27"	27+	N/A	NONE	US
		8-27	SBK/ABK/C	VFI/EXP/VS/VP					
2	"	0-5	GR/CL	FR/SEXP/SS/SP	>16" TO SOIL WETNESS	16+	"	"	"
		5-16	SBK/ABK/C	VFI/EXP/VS/VP					
3	"	0-3	GR/CL	FR/SEXP/SS/SP	>12" TO sOIL WETNESS	12+	"	"	"
		3-12	SBK/ABK/C	VFI/EXP/VS/VP					
4	"	0-5	GR/CL	FR/SEXP/SS/SP	2.5Y7/1 at 26"	27	"	"	"
		5-24	SBK/ABK/C	FI/SEXP/S/P					
		24-27	SBK/ABK/C	VFI/EXP/VS/VP					
5	"	0-5	GR/SCL	FR/SEXP/SS/SP	2.5Y6/1 at 19"	19+	"	"	"
		5-19	SBK/ABK/C	VFI/EXP/VS/VP					
6	"	0-3	GR/SCL	FR/SEXP/SS/SP	>9" TO SOIL WETNESS	9+	"	"	"
		3-9	SBK/ABK/C	VFI/EXP/VS/VP					

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

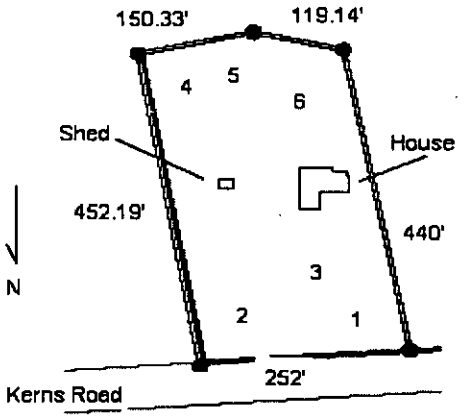
Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 10/6/2006, W. R. Marlin
Others Present: D. Edwards

COMMENTS:
100% repair

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

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

Sketch of Soil Evaluation Locations



CC APP 094526 PID 00 B/1 # 1514

GWS – RES. APP 07/05

SEPTIC FEE: 200
DATE: 10/5/06
CRT [ ] JC

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

WELL FEE: _____
DATE: _____
CRT [ ]

FILE # 6830B

SEPTIC / TYPE APPLICATION: ☐ NONE ☒ NEW SYSTEM ☒ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

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

JOB LOCATION INFORMATION:

TAX/PARCEL #: 015-231-08 PO
STREET ADDRESS: ~~[illegible]~~ Keens Rd
CITY: Huntersville
STATE: NC ZIP: 28078
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:
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS:

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: Bill Wampler
ADDRESS: 9725 Keens Rd
CITY: Huntersville
STATE: NC ZIP: 28078
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Danny Edwards
ADDRESS: 388 N. Hwy 16
CITY: Denver
STATE: ZIP: 28037 704/489-1183
HOME PHONE: WORK PHONE:
MOBILE PHONE: 996-0117 704- FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?
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.

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

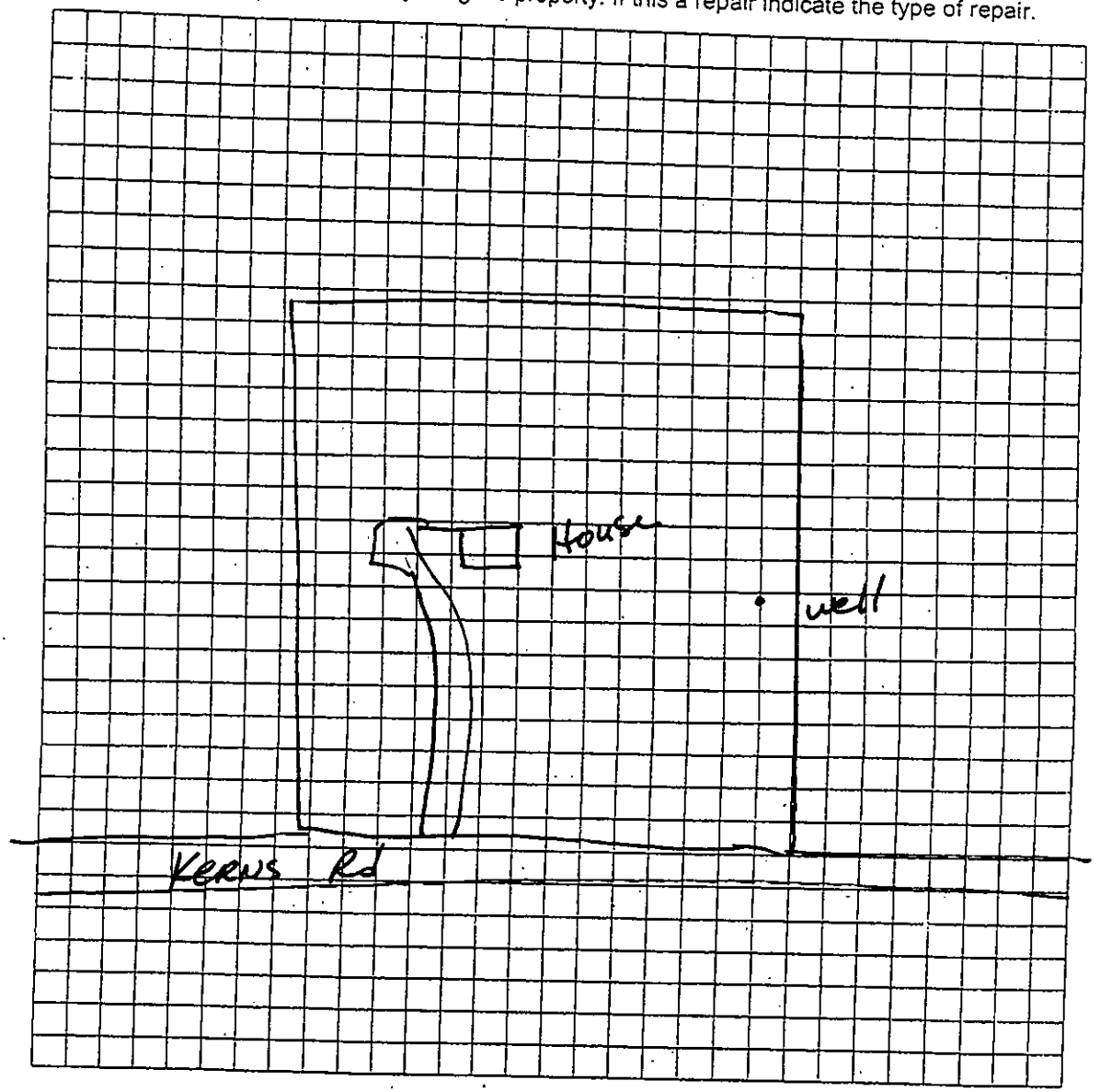
MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

Mecklenburg County
Land Use & Environmental Service Agency
Groundwater & Wastewater Services
700 N. Tryon St., Suite 211
Charlotte, NC 28202
Phone: (704) 336-5103
Fax: (704) 336-6894

File # Lot 30B
Date

PROPOSED PLOT PLAN

A map showing existing and proposed property lines and easements with dimensions, the location of the single family residence, non-single family residence, or other facility, and appurtenances, the site for the proposed well, and the location of existing or proposed sewer lines and/or sewage disposal systems, surface water bodies, aboveground or underground storage tanks. Name all roads adjoining the property. If this a repair indicate the type of repair.



2.6 AC

Owner/Agent Signature
Date

LBC 12/15/04