App. #: 2271

Septic Fee: 400.00

Date: 1/10/2006

CRT[ ]

PERMIT APPLICATION FOR A COMMERCIAL / INDUSTRIAL SITE IMPROVEMENT PERMIT FOR ONSITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 2023B

Well Fee: 0.00

Date:

CRT[ ]

SEPTIC / TYPE APPLICATION: ○ NONE ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

WELL / TYPE APPLICATION: ◉ NONE ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

JOB LOCATION INFORMATION:

TAX / PARCEL #: 017-283-02 ☐ PO

STREET ADDRESS: 10610 KERNS RD

CITY: Huntersville

STATE: NC ZIP: 28078

LOT #: 0

TOWNSHIP: 06

General Comments: Barn

BUILDING INFORMATION:

DESCRIBE TYPE OF BUSINESS

☑ COMMERCIAL ☐ INDUSTRIAL

SQUARE FOOTAGE OF FACILITY: 30000

NUMBER OF EMPLOYEES PER SHIFT: 2

NUMBER OF SHIFTS: 2

TYPE OF WASTEWATER:

☑ SEWAGE ☐ INDUSTRIAL PROCESS WASTEWATER

HOW WILL WATER BE USED IN THE FACILITY?:

☑ TOILETS/URINALS ☐ HANDSINK/S

☐ SHOWERS ☐ FLOOR DRAINS

☐ OTHER

IF PLANNING TO EXPAND / ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWAER FLOW AND/OR A JUSTIFICATION FOR A SYSTEM ALTERATION WILL BE REQUIRED.

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

PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST 5-LEAST DESIRED)*:

☑ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER

RANK: 0 0 0 0 0

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

BURIED CABLES, LANDFILLS, STUMPHOLES	○ Yes ◉ No	GRADING/SOIL REMOVAL PERFORMED	◉ Yes ○ No
EXISTING WASTEWATER SYSTEMS	○ Yes ◉ No	JURISDICTIONAL WETLANDS	○ Yes ◉ No
WELLS, SPRINGS, OR WATER LINES	○ Yes ◉ No	APPROVAL REQ'RD BY OTHER AGENCY	○ Yes ◉ No
EASEMENTS OR RIGHT-OF-WAYS	◉ Yes ○ No	WASTEWATER OTHER THAN DOM. SEWAGE	○ Yes ◉ No

PROPERTY OWNER:

NAME: FIVE B INVESTMENTS LLC

ADDRESS: ROUTE 2 BOX 498

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: BROOKE VANDERSPUY

ADDRESS: 6636 PARK MEADOWS PLACE

CITY:	LEBANON	CITY:	HUNTERSVILLE
STATE:	VIRGINIA ZIP: 24266	STATE:	NORTH CAROLINA ZIP: 28078
HOME PHONE:	276-628-4663 WORK: 276-889-3656	HOME PHONE:	704-992-0712 WORK:
MOBILE:	276-698-5676 FAX: 276-889-2830	MOBILE:	980-254-6070 FAX:

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 7 1 2005

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

PRINT Update Go to Front Counter Duplicate

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

Sheet: 1 of 2
Property ID: 017-283-02
Lot #:
File #: 2023B
Code: 1

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Five B Investments, LLC
Applicant: Brooke VanderSpuy
Address: Rt. 2, Box 498, Lebanon, Va. 24266
Date Evaluated: 1/24/06
Proposed Facility: Riding stable
Design Flow (.1949): 50gpd-see comments
Property Size: .2a inv.
Location of Site: 10610 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		OTHER 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, 6	0-7	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		7-48	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
2	"	0-13	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		13-48	SBK/C	FI/SEXP/S/P					
3	"	0-5	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		5-48	SBK/C	FI/SEXP/S/P					
4	"	0-8	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		8-48	SBK/C	FI/SEXP/S/P					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIb	IIIb+N11:N32
Site LTAR	.275GPD/FT^2	.275GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 1/24/2006.
Others Present:

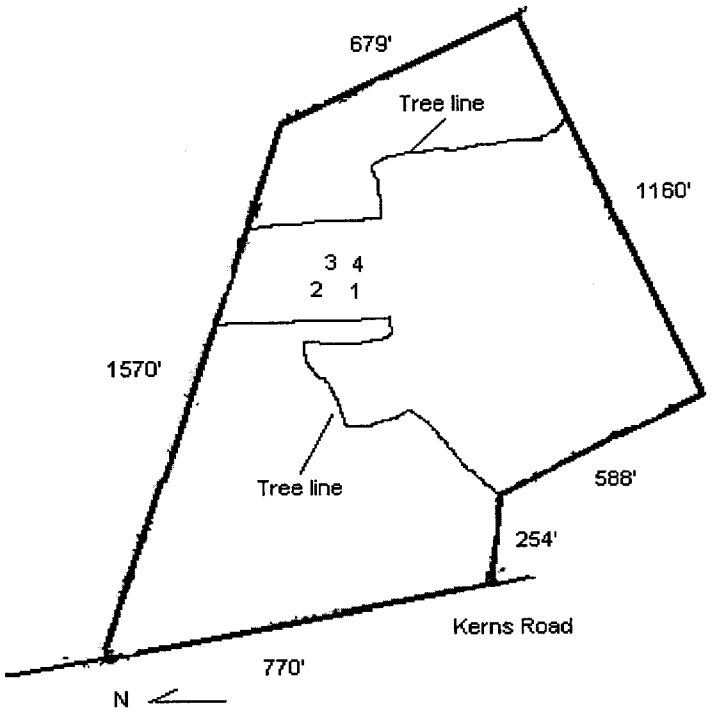
COMMENTS:

Not sure if 100% repair is applicable, design flow needs to be raised from just enough for two employees to accommodate usage from others using the facility

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-Food 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



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 COMMERCIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30002271** GWS File #: **2023B** Tax Parcel #: **017-283-02**

- This IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is **NOT** transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 5/10/2012

Intallation Type: Commercail/Industrial - New System Business Type: Commercial

Facility Size (ft^2): 30000 # Employees/Shift: 2 # Shifts: 2

Wastewater Type: Sewage Water Supply: Private Well

II. Initial System Type: Pump to Conventional **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.275 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1745 Total Trench Length (ft): 582

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

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

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.275 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1745 Total Trench Length (ft): 582

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 Owner/Legal Agent:_____
Print Name

Signature:_____ Signature:_____

Date Issued: 5/10/2007

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700 N. Tryon St, Suite 211 Charlotte, NC 28202
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30002271** GWS File #: **2023B**

IV. Permit Conditions/Comments:

- 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.

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.

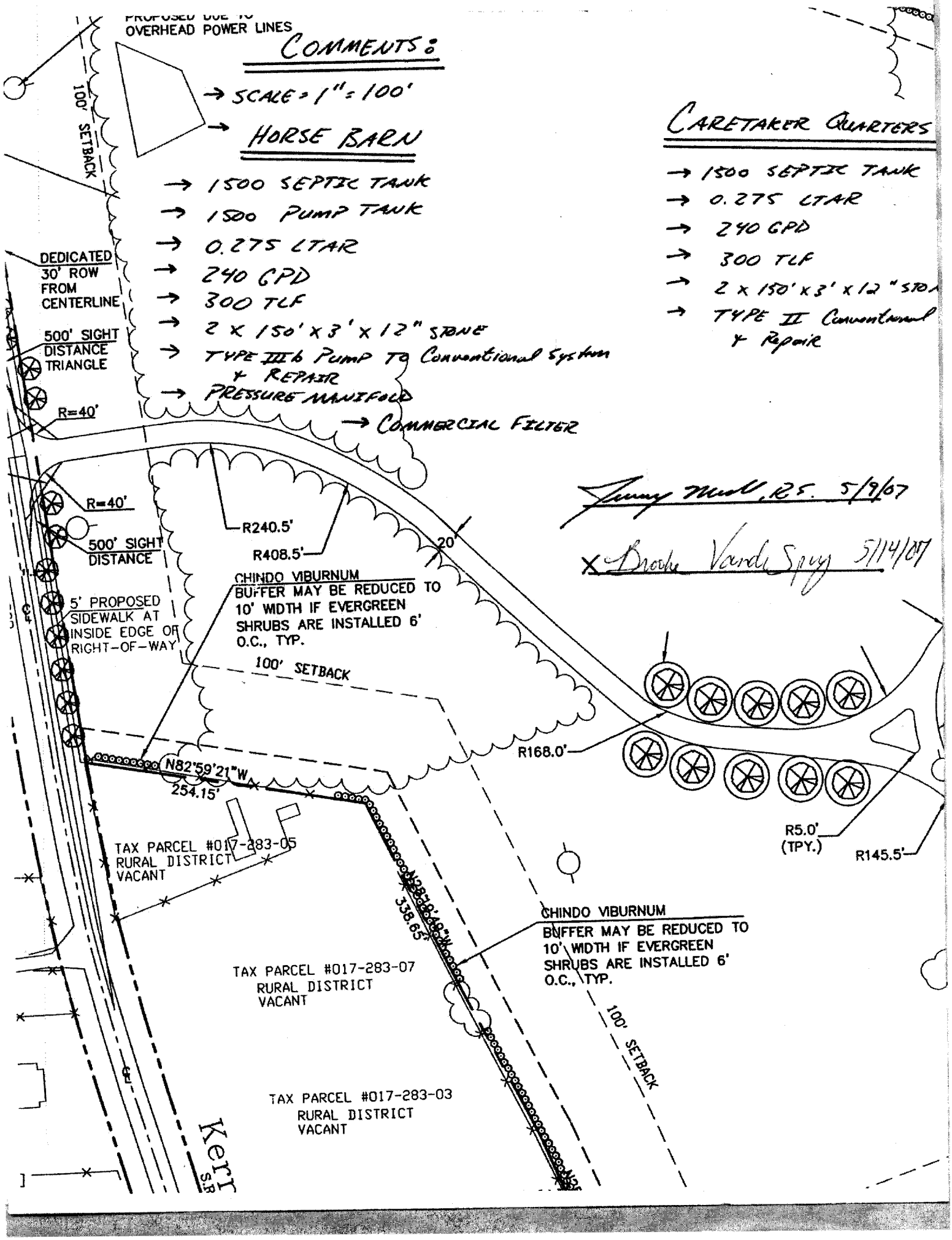
DENR Authorized Agent: Jeremy Michelone

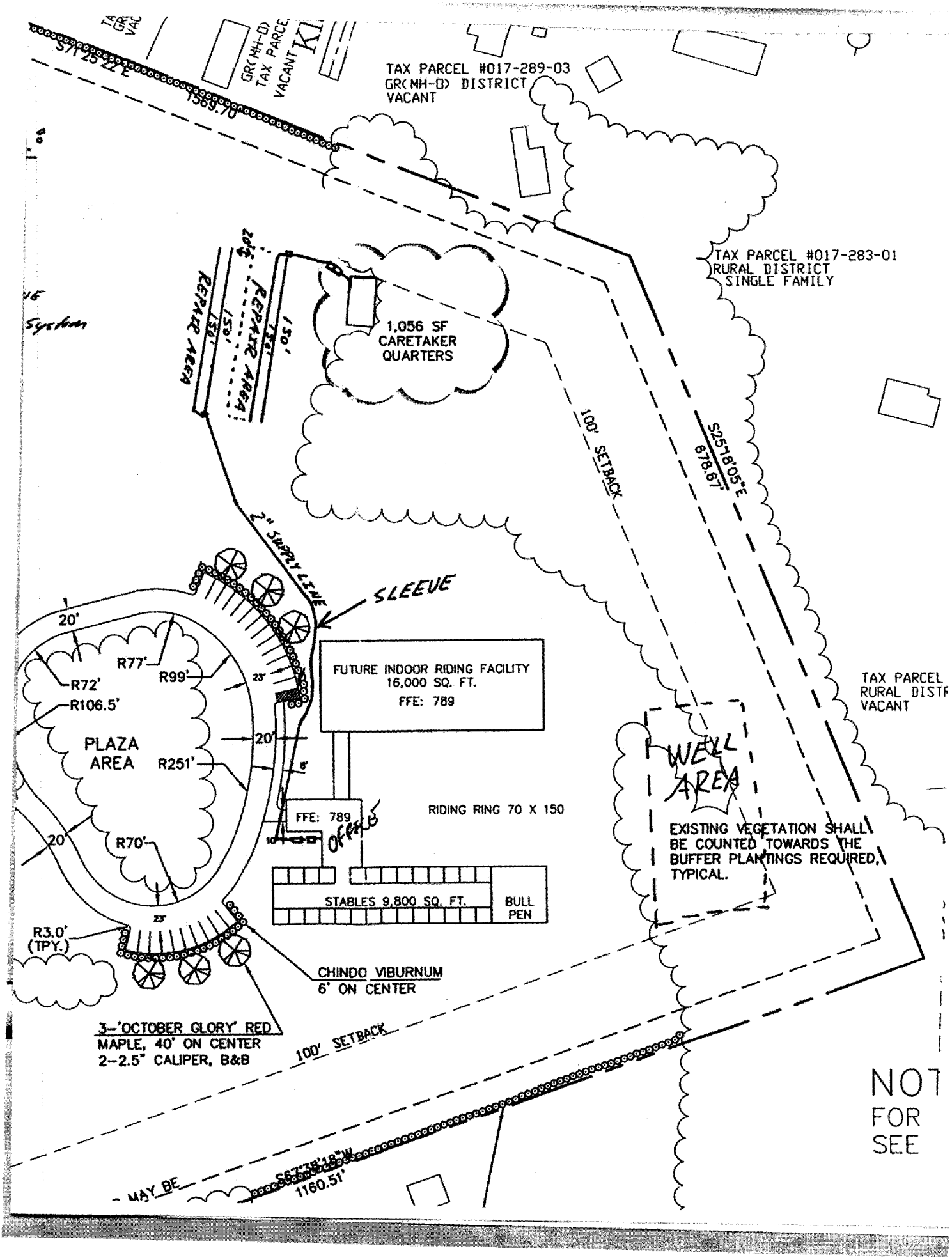
Signature:_____

Date Issued: 5/10/2007

Owner/Legal Agent:_____
Print Name

Signature:_____


PROPOSED DUE TO OVERHEAD POWER LINES
COMMENTS:
→ SCALE = 1" = 100'
HORSE BARN
→ 1500 SEPTIC TANK
→ 1500 PUMP TANK
→ 0.275 LTAR
→ 240 GPD
→ 300 TLF
→ 2 x 150' x 3' x 12" STONE
→ TYPE IIIb Pump To Conventional System + REPAIR
→ PRESSURE MANIFOLD
→ COMMERCIAL FILTER
CARETAKER QUARTERS
→ 1500 SEPTIC TANK
→ 0.275 LTAR
→ 240 GPD
→ 300 TLF
→ 2 x 150' x 3' x 12" STONE
→ TYPE II Conventional + Repair
100' SETBACK
DEDICATED 30' ROW FROM CENTERLINE
500' SIGHT DISTANCE TRIANGLE
R=40'
R=40'
500' SIGHT DISTANCE
5' PROPOSED SIDEWALK AT INSIDE EDGE OF RIGHT-OF-WAY
R240.5'
R408.5'
20'
CHINDO VIBURNUM BUFFER MAY BE REDUCED TO 10' WIDTH IF EVERGREEN SHRUBS ARE INSTALLED 6' O.C., TYP.
100' SETBACK
Jimmy Mundy, RS. 5/9/07
Brooke Vardi Spry 5/14/07
R168.0'
R5.0' (TPY.)
R145.5'
N82°59'21"W
254.15'
TAX PARCEL #017-283-05
RURAL DISTRICT
VACANT
N28°36'49"W
338.65'
CHINDO VIBURNUM BUFFER MAY BE REDUCED TO 10' WIDTH IF EVERGREEN SHRUBS ARE INSTALLED 6' O.C., TYP.
TAX PARCEL #017-283-07
RURAL DISTRICT
VACANT
100' SETBACK
TAX PARCEL #017-283-03
RURAL DISTRICT
VACANT
Kerr


TAX PARCEL #017-289-03
GR(MH-D) DISTRICT
VACANT
TAX PARCEL #017-283-01
RURAL DISTRICT
SINGLE FAMILY
1,056 SF
CARETAKER
QUARTERS
FUTURE INDOOR RIDING FACILITY
16,000 SQ. FT.
FFE: 789
FFE: 789
RIDING RING 70 X 150
STABLES 9,800 SQ. FT.
BULL
PEN
PLAZA
AREA
R77'
R99'
R72'
R106.5'
R251'
R70'
20'
23'
15'
10'
R3.0'
(TPY.)
100' SETBACK
S25°18'05"E
678.67
1569.70
2" SUPPLY LINE
SLEEVE
WELL
AREA
EXISTING VEGETATION SHALL
BE COUNTED TOWARDS THE
BUFFER PLANTINGS REQUIRED,
TYPICAL.
CHINDO VIBURNUM
6' ON CENTER
3-'OCTOBER GLORY' RED
MAPLE, 40' ON CENTER
2-2.5" CALIPER, B&B
100' SETBACK
S67°38'18"W
1160.51'
NOT
FOR
SEE

FEE: 300.00
DATE: 3/31/2008

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 2023B

PERMIT NUMBER: 30002271

PARCEL NUMBER: 01728302

JOB LOCATION INFORMATION

ADDRESS: 10610 KERNS RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: FIVE B INVESTMENTS LLC

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 5/14/2007

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30002271, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 5/10/2012

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 #: 2023B Permit #: 2271 Tax Parcel #: 017-283-02

Property Owner: LENUX STABLES

Job Location Address: 10610 KERNS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

Installation Approval Issuance Date: 10/3/07

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 11/3/07, 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: 240 GPD
Site LTAR: 0.275 GPD/ft² (For new installations only.)
Liquid Capacity of Septic Tank: 1500 gallons
Liquid Capacity of Dosing Tank: 1500 gallons

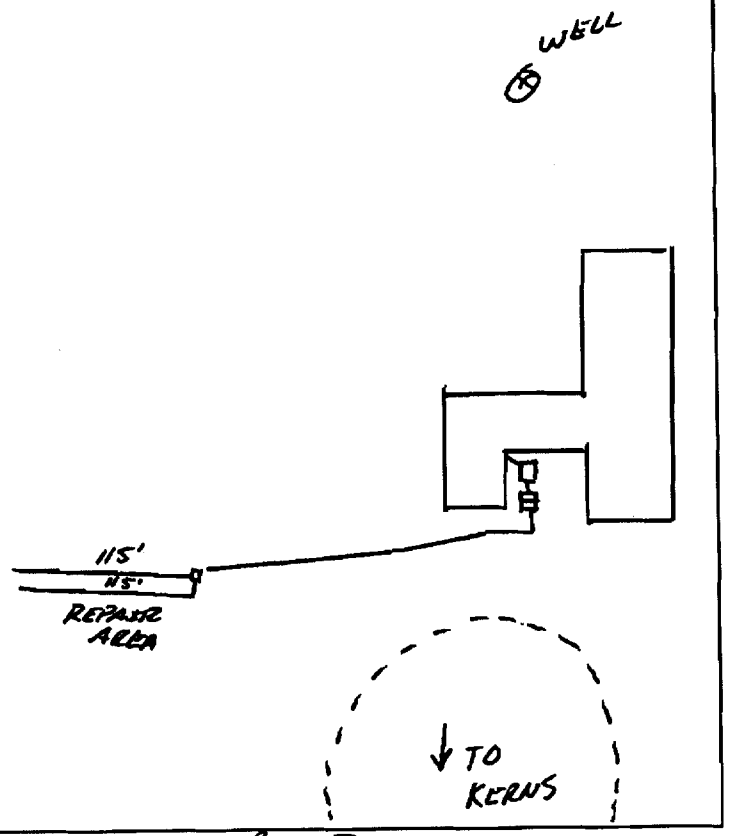
Drainfield Design ☐ N/A
Trench Depth: 36 inches
Trench Width: 3 feet
Line Spacing: 9 feet (O.C.)
Total line length: 225 feet
# of Lines: 2 @ 115 feet
Depth of Media: 12 inches (Type) 25% RED.
Distribution Device: P. MANIFOL

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: 75' feet
Distance from Property Line: 710' feet
Distance from Water Supply Source: >100' feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: III g Pump to 25% Red.

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

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

File #: 2023B Permit #: 2271 Tax Parcel #: 017-283-02

Property Owner: LENNOX STABLES

Job Location Address: 10610 KERNS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

Operation Permit Issuance Date: 10/4/07 Contractor Name: STANLEY

Permitted Design Flow: 240 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1500 gallons

Effluent Pump Model: MYERS 1/2

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 225 feet

# of Lines: 2 @ 115 feet

Depth of Media: 12 inches (Type) E-2 FLOW

Depth of Cover: 24 inches

Distribution Device: P. MANIFOLD

Inspection Dates

Tank(s) Inspected: 10/4/07

Excavation Inspected: 10/4/07

Pump & Controls Inspected: 10/4/07

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 _____

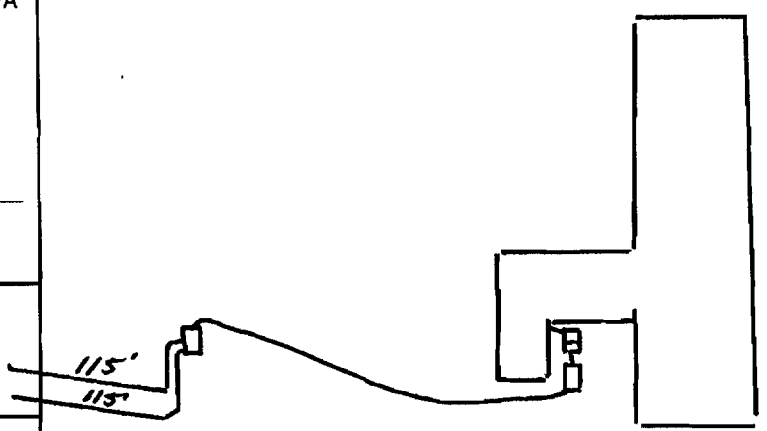
System Installation Setbacks

Distance from Building Foundation: 5' feet

Distance from Property Line: 710' feet

Distance from Water Supply Source: 7100' feet

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☒ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: 1HP Pump to 25% Reduction

DENR Authorized Agent: Jeremy Mecklenburg Signature: Jeremy Mecklenburg, RS

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 #: 2023B Permit #: 2271 Tax Parcel #: 017-283-02

Property Owner: LEWIS STABLES

Job Location Address: 10610 KERUS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

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

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

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

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

System Classification: IIIB

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

Subsurface system operator required: Yes ☐ No ☒

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

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

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

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

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

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

V. Other:

DENR Authorized Agent: Jeremy Michelson, R.S. Date: 10/4/07

Signature: Jeremy Michelson, R.S.

App. #: 2934

Septic Fee: 200.00 Date: 11/1/2007 CRT[ ]

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT FOR ONSITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 2023B

Well Fee: 0.00 Date: CRT[ ]

SEPTIC / TYPE APPLICATION: ○ NONE ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

WELL / TYPE APPLICATION: ◉ NONE ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

JOB LOCATION INFORMATION:

TAX / PARCEL #: 017-283-02 ☐ PO

STREET ADDRESS: 10610 KERNS RD

CITY: Huntersville

STATE: NC ZIP: 28078

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT #: 0

TOWNSHIP: 06

General Comments: Caretaker House

BUILDING INFORMATION:

TYPE OF BUILDING:

○ SINGLE MOBILE HOME (S) ○ MODULAR HOME (M)

○ DOUBLE WIDE (D) ○ MULTIPLE FAMILY (U)

◉ HOUSE (H) ○ OTHER

HEATED SQUARE FOOTAGE: 1300

NUMBER OF BEDROOMS: 2

NUMBER OF OCCUPANTS: 4

FOUNDATION FOR RESIDENCE:

☑ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING

☐ CRAWL SPACE ☐ BASEMENT WITH NO PLUMBING

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

NUMBER OF BEDROOMS TO BE ADDED: 0

NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: 0

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

PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST 5-LEAST DESIRED)*:

☐ ANY TYPE ☑ CONVENTIONAL ☑ ACCEPTED ☑ INNOVATIVE ☑ ALTERNATIVE ☐ OTHER

RANK: 1 ____ 2 ____ 3 ____ 4 ____ 0

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

BURIED CABLES, LANDFILLS, STUMPHOLES	○ Yes ◉ No	GRADING/SOIL REMOVAL PERFORMED	○ Yes ◉ No
EXISTING WASTEWATER SYSTEMS	◉ Yes ○ No	JURISDICTIONAL WETLANDS	○ Yes ◉ No
WELLS, SPRINGS, OR WATER LINES	◉ Yes ○ No	APPROVAL REQ'RD BY OTHER AGENCY	○ Yes ◉ No
EASEMENTS OR RIGHT-OF-WAYS	○ Yes ◉ No	WASTEWATER OTHER THAN DOM. SEWAGE	○ Yes ◉ No

PROPERTY OWNER:

NAME: BOOKE VANDERSPUY

ADDRESS: 6636 PARK MEADOW PL

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: SEAN REYMANN

ADDRESS: 5132 CRAFTSMAN RIDGE DR

CITY:	HUNTERSVILLE	CITY:	STALLINGS
STATE:	NORTH CAROLINA ZIP: 28078	STATE:	NORTH CAROLINA ZIP: 28104
HOME PHONE:	704-992-0712 WORK:	HOME PHONE:	WORK:
MOBILE:	980-254-6070 FAX:	MOBILE:	704-904-4717 FAX: 704-684-3158

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

PRINT Update Go to Front Counter Duplicate

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

Sheet: 1 of 2
Property ID: 017-283-02
Lot #:
File #: 2023B
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Five B Investments, LLC
Applicant: Brooke VanderSpuy
Address: Rt. 2, Box 498, Lebanon, Va. 24266
Date Evaluated: 1/24/06
Proposed Facility: Caretakers Residenc
Design Flow (.1949): 240 GPD
Property Size: .2a inv.
Location of Site: 10610 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 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
1	LS, 6	0-7	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		7-48	SBK/C	FI/SEXP/S/P					.275GPD/FT^2
2	"	0-13	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		13-48	SBK/C	FI/SEXP/S/P					
3	"	0-5	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		5-48	SBK/C	FI/SEXP/S/P					
4	"	0-8	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		8-48	SBK/C	FI/SEXP/S/P					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	II a	II a
Site LTAR	.275GPD/FT^2	.275GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 1/24/2006,
Others Present:

COMMENTS:

Not sure if 100% repair is applicable, design flow needs to be raised from just enough for two employees to accommodate usage from others using the facility

Landscape Position	Group	Texture	.1955 LTAR
R-Ridge	I	S-Sand	1.2 - 0.8
SS-Shoulder Slope		LS-Loamy Sand	
LS-Linear Slope			
FS-Food Slope	II	SL-Sandy Loam	0.8 - 0.6
NS-Nose Slope		L-Loam	
HS-Head Slope			
CC-Concave Slope	III	SI-Silt	0.6 - 0.3
CV-Convex Slope		SICL-Silty Clay Loam	
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	

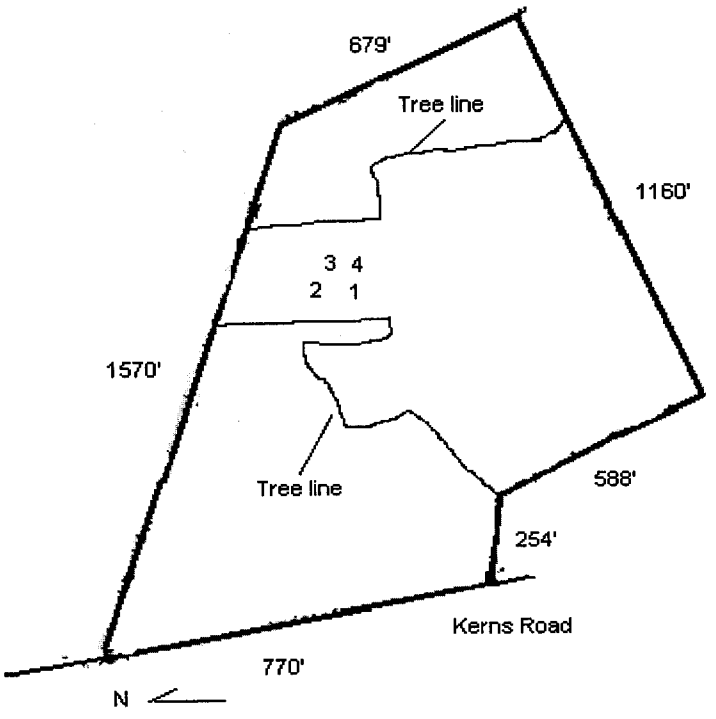
Structure
SG-Single Grain
M-Massive
CR-Crumb
GR-Granular
SBK-Subangular Blocky
ABK-Angular Blocky
PL-Platy
PR-Prismatic

Consistence Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence Wet
NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

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 #: **30002934** GWS File #: **2023B** Tax Parcel #: **017-283-02**

- 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):** 11/12/2012

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

Structure Type: HOUSE Size (ft^2): 1300 # Bedrooms: 2 # Occupants: 4

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: Conventional **System Classification:** IIa

Initial System Specifications:

Design Flow (gpd):	240	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	873	Total Trench Length (ft):	291
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Distribution Box		

III. Repair System Type: Conventional **System Classification:** IIa

Repair System Specifications:

Design Flow (gpd):	240	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	873	Total Trench Length (ft):	291
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Distribution Box		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Jeremy Michelone Owner/Legal Agent:_____
Print Name

Signature:_____ Signature:_____

Date Issued: 11/12/2007

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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30002934** GWS File #: **2023B**

IV. Permit Conditions/Comments:

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.

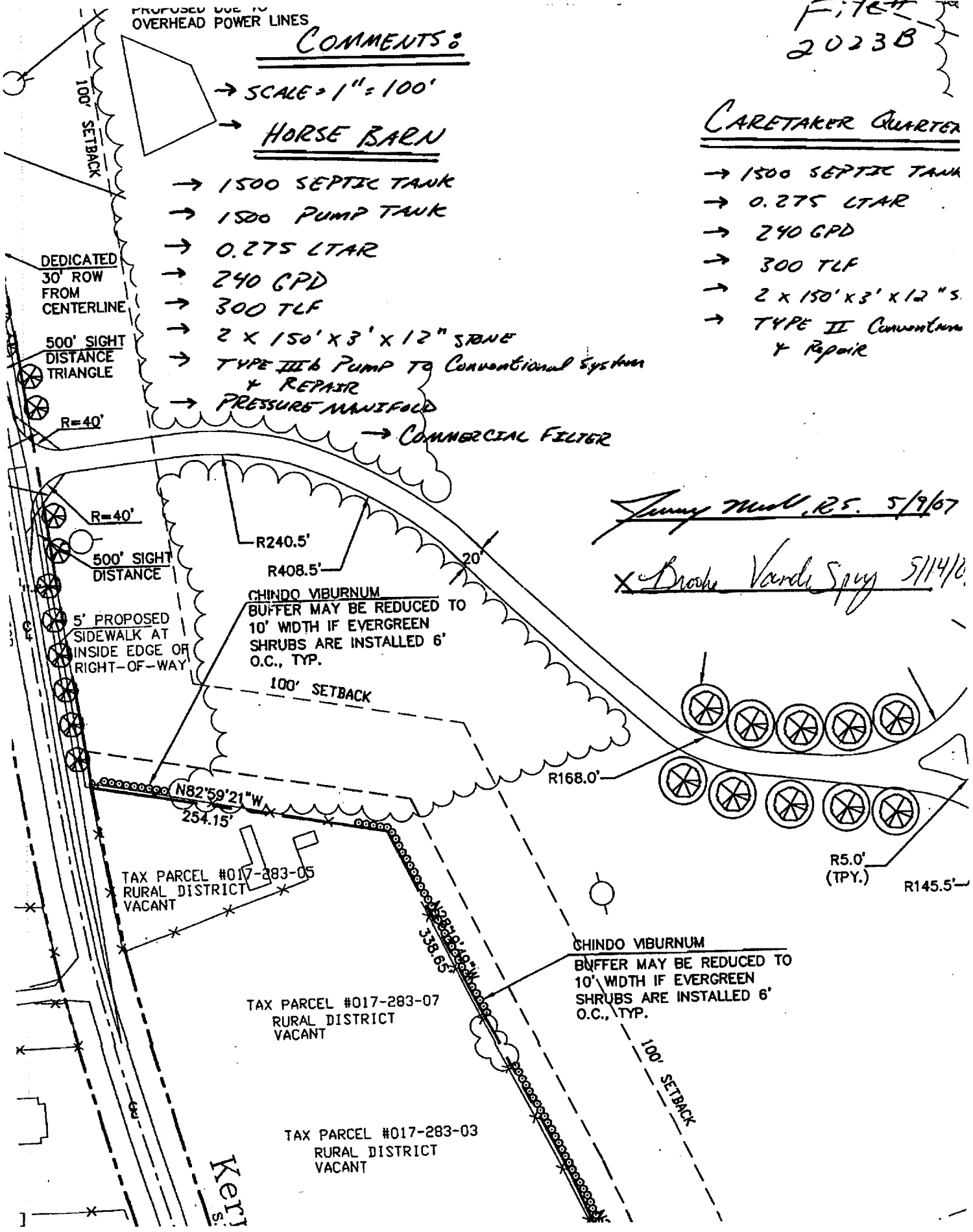
DENR Authorized Agent: Jeremy Michelone

Signature:_____

Date Issued: 11/12/2007

Owner/Legal Agent:_____
Print Name

Signature:_____



COMMENTS:

→ SCALE = 1" = 100'

→ HORSE BARN

→ 1500 SEPTIC TANK
→ 1500 PUMP TANK
→ 0.275 LTAR
→ 240 GPD
→ 300 TLF
→ 2 x 150' x 3' x 12" STONE
→ TYPE IIIb PUMP TO Conventional System & REPAIR
→ PRESSURE MANIFOLD
→ COMMERCIAL FILTER

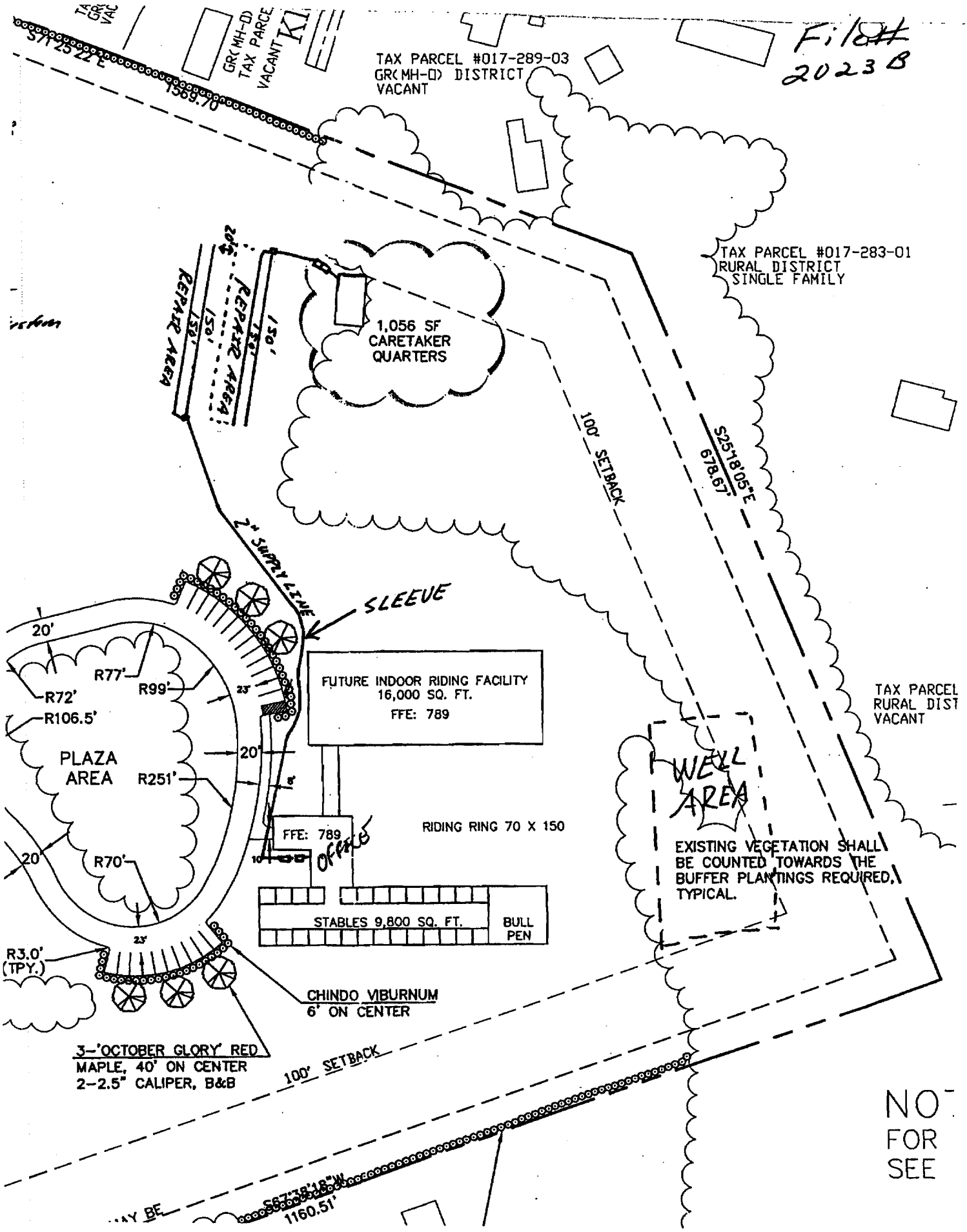
File # 2023B

CARETAKER QUARTER

→ 1500 SEPTIC TANK
→ 0.275 LTAR
→ 240 GPD
→ 300 TLF
→ 2 x 150' x 3' x 12" S
→ TYPE II Conventional & Repair

Jenny Mull, RS. 5/9/07

X Brooke Vardi Spry 5/14/0


TAX PARCEL #017-289-03
GR(MH-D) DISTRICT
VACANT
GR(MH-D) TAX PARCE
VACANT
S71°25'22"E
1569.70'
TAX PARCEL #017-283-01
RURAL DISTRICT
SINGLE FAMILY
1,056 SF
CARETAKER
QUARTERS
REPAIR AREA
150'
100' SETBACK
S25°18'05"E
678.67'
2" SUPPLY LINE
SLEEVE
FUTURE INDOOR RIDING FACILITY
16,000 SQ. FT.
FFE: 789
PLAZA
AREA
R72'
R77'
R99'
R106.5'
R251'
R70'
20'
25'
FFE: 789
OFFICE
RIDING RING 70 X 150
STABLES 9,800 SQ. FT.
BULL
PEN
WELL
AREA
EXISTING VEGETATION SHALL BE COUNTED TOWARDS THE BUFFER PLANTINGS REQUIRED, TYPICAL.
TAX PARCEL
RURAL DIST
VACANT
R3.0'
(TPY.)
CHINDO VIBURNUM
6' ON CENTER
3-'OCTOBER GLORY' RED
MAPLE, 40' ON CENTER
2-2.5" CALIPER, B&B
100' SETBACK
S67°38'18"W
1160.51'
NOT
FOR
SEE

FEE: 300.00
DATE: 3/27/2008

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 2023B

PERMIT NUMBER: 30002934

PARCEL NUMBER: 01728302

JOB LOCATION INFORMATION

ADDRESS: 10610 KERNS RD

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: BOOKE VANDERSPUY

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 11/16/2007

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30002934, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 11/12/2012

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 #: 20238 Permit #: 2934 Tax Parcel #: 017 283 02

Property Owner: LENNEX STABLES

Job Location Address: 10622 KERNS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

Installation Approval Issuance Date: 3/6/08

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 4/6/08, 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: 240 GPD

Site LTAR: 0.275 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: — gallons

Drainfield Design ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 225 feet

# of Lines: 2 @ 113 feet

Depth of Media: 12 inches (Type) 25% REP.

Distribution Device: D-Box

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 _____

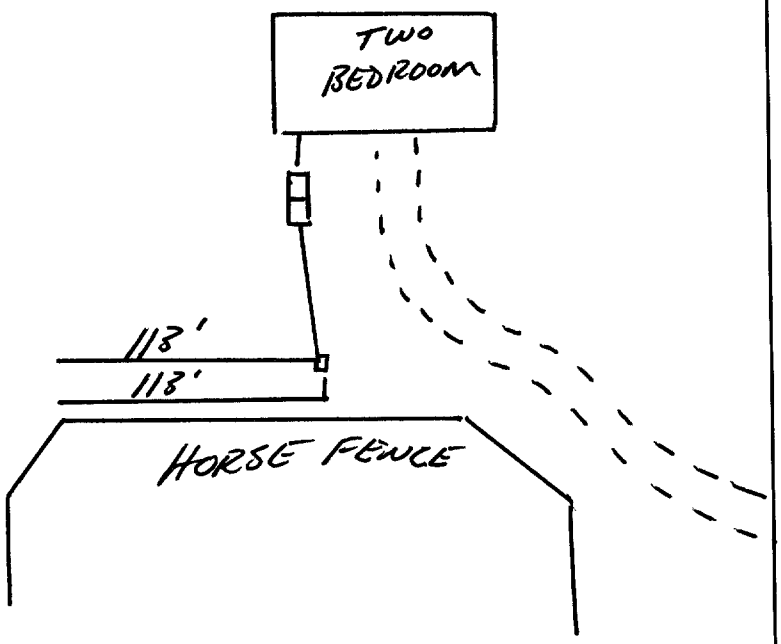
Minimum System Setbacks

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-g 25% Red. System

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

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

File #: 2023B Permit #: 2934 Tax Parcel #: 017 283 02

Property Owner: Lennex Stables

Job Location Address: 10622 Kerns Rd

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 3/6/08 Contractor Name: Stanley Septic

Permitted Design Flow: 240 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: NA gallons

Effluent Pump Model: NA

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 225 feet

# of Lines: 2 @ 113 feet

Depth of Media: 12 inches (Type) Chamber

Depth of Cover: 18 inches

Distribution Device: chamber fed

Inspection Dates

Tank(s) Inspected: 3/6/08

Excavation Inspected: 3/6/08

Pump & Controls Inspected: NA

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

See installation approval

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

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: Type IIIg Gravity Chamber

DENR Authorized Agent: Philo S. Walker RS Signature: Philo S. Walker RS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: 2023B Permit #: 2934 Tax Parcel #: 017 283 02

Property Owner: Lennex Stables

Job Location Address: 10622 Kerns Rd

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

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

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

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

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

System Classification: Type IIIg

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

Subsurface system operator required: Yes ☐ No ☐

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

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

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

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

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

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

V. Other:

DENR Authorized Agent: Philo S. Walker RS Date: 3/6/08

Signature: Philo S Walker RS

Mecklenburg County Groundwater & Wastewater Services
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: 2023B Permit #: 2934 Tax Parcel #: 017 283 02

Property Owner: Lennex Stables

Job Location Address: 10622 Kerns Rd

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

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

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

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

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

System Classification: Type IIIg

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

Subsurface system operator required: Yes ☐ No ☐

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

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

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

V. Other: (CARETAKER HOUSE)

DENR Authorized Agent: Philo S. Walker RS Date: 3/6/08

Signature: Philo S Walker RS

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 #: 2023B Permit #: 2271 Tax Parcel #: 017-283-02

Property Owner: LENUX STABLES

Job Location Address: 10610 KERNS ROAD

City: HUNTERSVILLE State: NC Zip Code: 28078

Installation Approval Issuance Date: 10/3/07

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 11/3/07, 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: 240 GPD

Site LTAR: 0.275 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1500 gallons

Drainfield Design ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 225 feet

# of Lines: 2 @ 115 feet

Depth of Media: 12 inches (Type) 25% Red.

Distribution Device: P. MANIFOL

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 _____

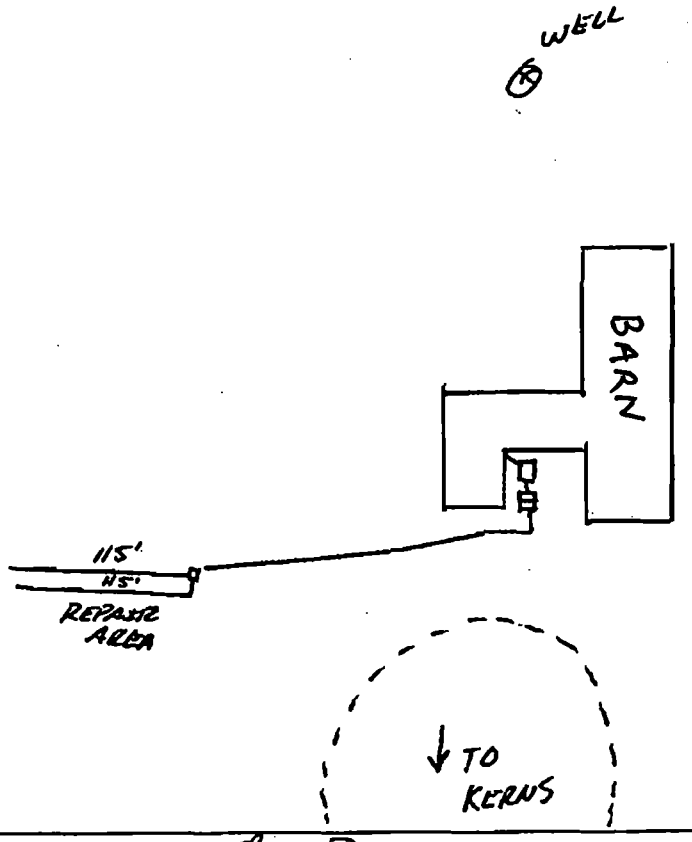
Minimum System Setbacks

Distance from Building Foundation: 75' feet

Distance from Property Line: 710' feet

Distance from Water Supply Source: >100' feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: 111g Pump to 25% Red.

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

App. #: 2271

Septic Fee: 400.00

Date: 1/10/2006

CRT[ ]

PERMIT APPLICATION FOR A COMMERCIAL / INDUSTRIAL SITE IMPROVEMENT PERMIT FOR ONSITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

FILE # 2023B

Well Fee: 0.00

Date:

CRT[ ]

SEPTIC / TYPE APPLICATION: ○ NONE ◉ NEW SYSTEM ○ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

WELL / TYPE APPLICATION: ◉ NONE ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

JOB LOCATION INFORMATION:

TAX / PARCEL #: 017-283-02 ☐ PO

STREET ADDRESS: 10610 KERNS RD

CITY: Huntersville

STATE: NC ZIP: 28078

LOT #: 0

TOWNSHIP: 06

General Comments: BARN

BUILDING INFORMATION:

DESCRIBE TYPE OF BUSINESS

☑ COMMERCIAL ☐ INDUSTRIAL

SQUARE FOOTAGE OF FACILITY: 30000

NUMBER OF EMPLOYEES PER SHIFT: 2

NUMBER OF SHIFTS: 2

TYPE OF WASTEWATER:

☑ SEWAGE ☐ INDUSTRIAL PROCESS WASTEWATER

HOW WILL WATER BE USED IN THE FACILITY?:

☑ TOILETS/URINALS ☐ HANDSINK/S

☐ SHOWERS ☐ FLOOR DRAINS

☐ OTHER

IF PLANNING TO EXPAND / ALTER THE EXISTING SYSTEM, INFORMATION DOCUMENTING THE INCREASED WASTEWAER FLOW AND/OR A JUSTIFICATION FOR A SYSTEM ALTERATION WILL BE REQUIRED.

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

PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST 5-LEAST DESIRED)*:

☑ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER

RANK: 0 0 0 0 0

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

BURIED CABLES, LANDFILLS, STUMPHOLES	○ Yes ◉ No	GRADING/SOIL REMOVAL PERFORMED	◉ Yes ○ No
EXISTING WASTEWATER SYSTEMS	○ Yes ◉ No	JURISDICTIONAL WETLANDS	○ Yes ◉ No
WELLS, SPRINGS, OR WATER LINES	○ Yes ◉ No	APPROVAL REQ'RD BY OTHER AGENCY	○ Yes ◉ No
EASEMENTS OR RIGHT-OF-WAYS	◉ Yes ○ No	WASTEWATER OTHER THAN DOM. SEWAGE	○ Yes ◉ No

PROPERTY OWNER:

NAME: FIVE B INVESTMENTS LLC

ADDRESS: ROUTE 2 BOX 498

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: BROOKE VANDERSPUY

ADDRESS: 6636 PARK MEADOWS PLACE