3531 J Michael Proj # 277734

FEE: 100.00
DATE: 5-21-08
CRT I 1 CK# 1191

APPLICATION FOR APPROVAL TO USE AN EXISTING ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM
MECKLENBURG COUNTY - GROUNDWATER & WASTEWATER SERVICES
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6694

GWS – UES APP 06 07

FILE # 4816B

TYPE APPLCATION:

☐ ADDITION - INCREASE ROOMS/OCCUPANCY/MOBILE HOME SIZE (A / M)
☒ ADDITION - RENOVATION OR GARAGE WITH NO MAJOR CHANGES (X)
☐ EXCHANGE MOBILE HOME - SAME # BEDROOMS (Y)
☐ COMMERCIAL OR INDUSTRIAL (N)

PERSON FILING APPLICATION:

NAME: CHRIS S COCHRANE
ADDRESS: 8730 BRIEF RD
CITY: CHARLOTTE
STATE: NC ZIP: 28227
PHONE: 704-573-2989
ALTERNATE PHONE: 704-361-0947

PROPERTY OWNER:

NAME: CHRIS S. COCHRANE
ADDRESS: 8730 BRIEF RD
CITY: CHARLOTTE
STATE: NC ZIP: 28227
PHONE: 704 573 2989
ALTERNATE PHONE: 704-361-0947

JOB LOCATION INFORMATION

TAX/PARCEL #: 19710109
STREET ADDRESS: 8730 BRIEF RD
CITY: CHARLOTTE
STATE: NC ZIP: 28227
SUBDIVISION OR MOBILE HOME PARK NAME:
LOT #:

TOWNSHIP:

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

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ COMMUNITY (C) ☒ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER SPRINGS (O)

RESIDENTIAL PROPERTY TYPE:

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

OCCUPANCY (both fields are required):

NUMBER OF BEDROOMS 3
NUMBER OF OCCUPANTS 3

COMMERCIAL / INDUSTRIAL PROPERTY TYPE:

TYPE OF BUSINESS:
EMPLOYEES PER SHIFT:
OF SHIFTS:
INDUSTRIAL WASTES? ☐ YES ☐ NO
UNDERGROUND STORAGE TANKS? ☐ YES ☐ NO

ADDITION TYPE ATTACHED TO EXISTING STRUCTURE:

☐ BEDROOM ☐ BATHROOM ☐ KITCHEN ☐ DINING ROOM ☐ LIVING ROOM ☐ DEN
☐ GARAGE ☐ SUNROOM ☐ PORCH ☐ DECK ☐ OTHER

ADDITION TYPE DETACHED FROM EXISTING STRUCTURE:

☒ DETACHED GARAGE ☐ DETACHED GARAGE WITH PLUMBING ☐ POOL HOUSE ☐ SHOP ☐ BARN
☐ STORAGE SHED ☐ DETACHED PORCH / DECK ☐ OTHER

*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.

Chris Cochrane 5-20-08
Owner's/Agent's Signature Date

*The undersigned, an authorized agent of the Mecklenburg County Health Department, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules for Sanitary Sewage Collection 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, alterat on and/or repair approval is granted y this Department.
- This permit is not transferable.

☐ ADDITION / RENOVATION APPROVAL - VALID 1 YEAR FROM ISSUANCE
☐ MOBILE HOME EXCHANGE APPROVAL - VALID 6 MONTHS FROM ISSUANCE

Detached garage for use writing

EHS Signature 5/21/08
Date

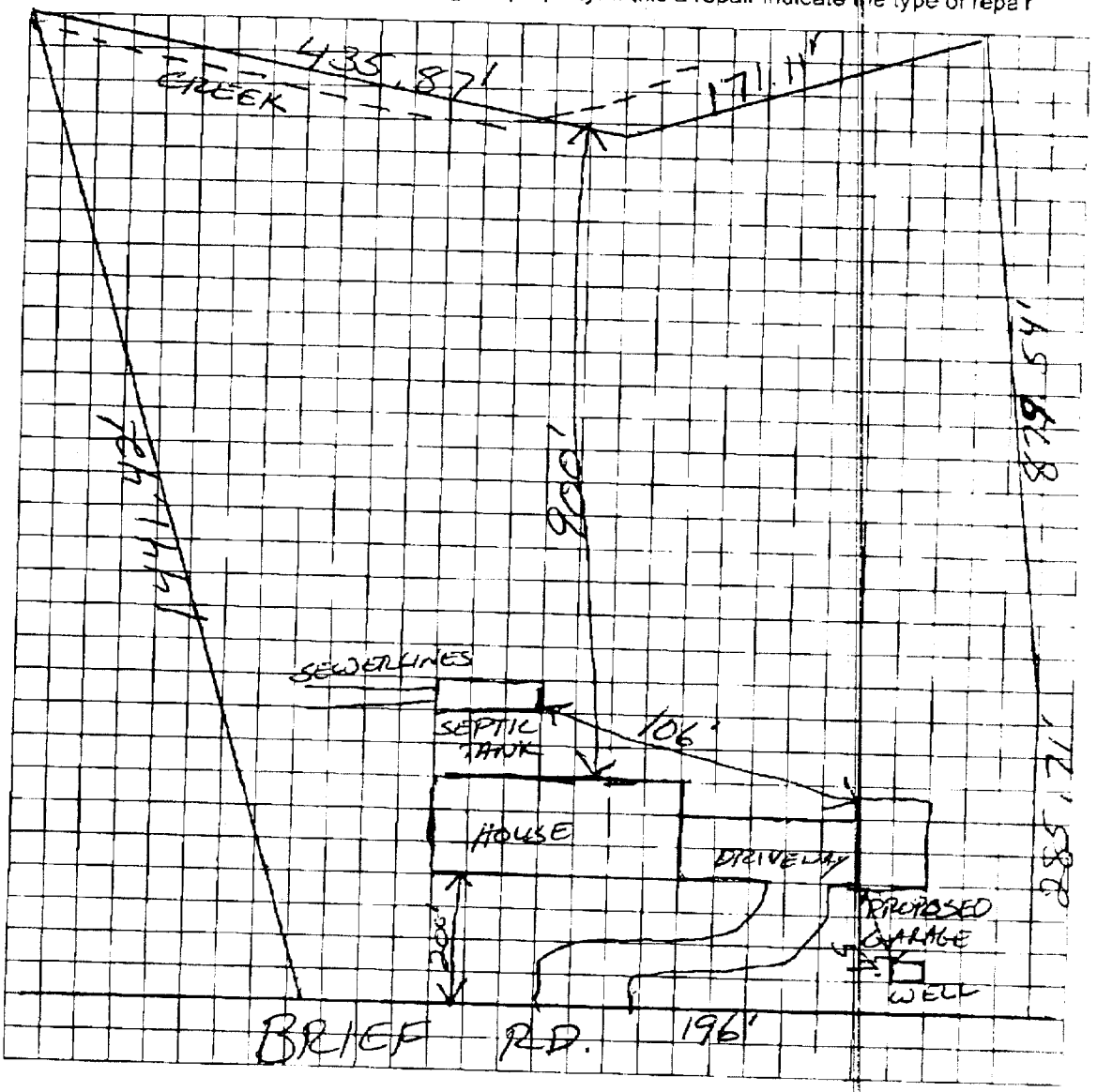
Proj # 277734

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 #_____
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



Owner/Agent Signature Chris Cochrane

Date 5-20-08

LBC 12/15/04

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Project # 277734

Receipt Information

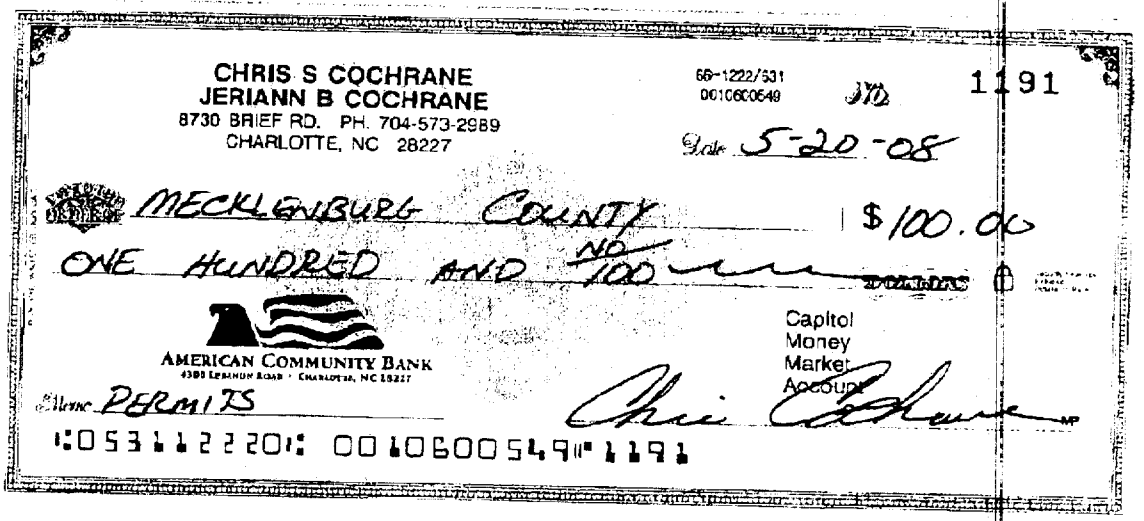
Date: 05/20/08
Receipt #: 1740664
Check / Auth #: 57419
Received By: SHIRVMM

Amount: 100.00

Account Information

Account #: 200000
Contractor: CASH CUST (LAST NAME FIRST)
Attn:
Address:
Address:
City/State/Zip: ,

Payment Method	Applies To	Description	Permit#
CHECK	57419	Invoice 57419	



CHRIS S COCHRANE
JERIANN B COCHRANE
8730 BRIEF RD. PH. 704-573-2989
CHARLOTTE, NC 28227

56-1222/531
0010600549

1191

Date 5-20-08

Pay MECKLENBURG COUNTY $100.00

ONE HUNDRED AND NO/100 DOLLARS

AMERICAN COMMUNITY BANK

Capitol Money Market Account

Memo PERMITS

Chris Cochrane

⑆053122201⑆ 0010600549⑈1191

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
600.00					575.00

FEE:
DATE:

INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM APPLICATION FOR IMPROVEMENT PERMIT FOR COMMERCIAL/INDUSTRIAL SITE

TYPE APPLICATION: ✓ NEW SYSTEM ___ EXPANSION 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 #: 4816 B

PROJECT TRACKING #:

PROPERTY INFORMATION (FROM ENGINEERING FORM FOR JOB LOCATION:

TAX/PARCEL NUMBER: 19710109

___ COMMERCIAL ___ INDUSTRIAL

STREET ADDRESS: 8730 BRIEF RD.

DESCRIBE TYPE OF BUSINESS:

Square Footage of Facility: 3700

LOT NUMBER: 3

NUMBER OF EMPLOYEES: ___ PER SHIFT: ___ ___ ___

TOWNSHIP (CHECK ONE):

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

HOW WILL WATER BE USED IN THE FACILITY:

X TOILETS/URINALS
X HANDSINK
X SHOWERS
___ FLOOR DRAINS

OTHER, PLEASE DESCRIBE:

An IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change.

TYPE OF WASTEWATER:

X SEWAGE
___ INDUSTRIAL PROCESS WASTE WATER

IF EXPANSION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED ADDITION:

WATER SUPPLY (CHECK ONE): ___ COMMUNITY (C) ___ MUNICIPAL (M) X PRIVATE WELL (P)
___ SHARED WELL (S) ___ OTHER 'SPRINGS' (O)

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

BURIED CABLES, LANDFILLS, STUMPHOLES ___ YES X NO
EXISTING WASTE WATER SYSTEMS ___ YES X NO
EASEMENTS OR RIGHT-OF-WAYS ___ YES X NO
WELL, SPRINGS OR WATERLINES X YES ___ NO
DESIGNATED WETLANDS ___ YES X NO

BUILDING PLANS TO INCLUDE ALL PLUMBING, FLOOR DRAINS AND ALL SOURCES OF WASTEWATER DISCHARGE AND GRADING PLANS MAY BE REQUIRED DURING THE EVALUATION STAGE.

PROPERTY OWNER:	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: COCHRANE (LAST) CHRIS (FIRST) S (MI)	NAME: (LAST) (FIRST) (MI)
ADDRESS: 8713 BRIEF RD.	DAYTIME PHONE: ( ) -
CITY: CHARLOTTE STATE: NC ZIP: 28227	
DAYTIME PHONE: 704 573-2989	

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 6-02

THE UNDERSIGNED, OWNER OR LEGAL AGENT FOR THE OWNER OF THE PROPERTY DESCRIBED ABOVE AS THE "JOB LOCATION" HAS

FEE: _____

DATE: _____

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

Paid 200 12/31/01 CK

[ ] 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 #: 48168

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 19710109 pO.

STREET ADDRESS: BRIEF RD

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: 3

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: [redacted] 3500

NUMBER OF BEDROOMS: 4 NUMBER OF OCCUPANTS: 2

CLOSING DATE 1-31-02

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

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: Cochrane (LAST) Margaret (FIRST) L. (MI)

ADDRESS: 8623 Brief Rd

CITY: Charlotte STATE: NC ZIP: 28227

DAYTIME PHONE: (704) 545-4768

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: COCHRANE (LAST) JERIANN (FIRST) B (MI)

DAYTIME PHONE: (704) 333-4104

ASK That they FIND ME

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 5-14-01

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.

SIGNED: Margaret L. Cochrane DATE: 12-21-01

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

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

Sheet: 1
Property ID: PO 197-101-09
Lot #:
File #: 4816B
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Margaret L. Cochrane
Applicant: Jerriann Cochran
Address: 8623 Brief Road, Charlotte, N. C. 28227
Date Evaluated: 1/11/02
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: Approx. .75a. Inv.
Location of Site: Brief 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	SOIL MORPHOLOGY .1941 .1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
	6-20								
1	LS	0-6	GR/CL	FR/SEXP/SS/SP	>37" TO SOIL WETNESS	37	N/A	NONE	PS, IV .25G/DAY/FT^2
		6-37	SBK/C	FI/SEXPS/P					
2	"	0-4	GR/CL	FR/SEXP/SS/SP	>26" TO SOIL WETNESS	26	"	"	US, IV .11G/DAY/FT^2 LPP
		4-26	SBK/C	FI/SEXP/S/P					
3	"	0-9	GR/CL	FR/SEXP/SS/SP	>34' TO SOIL WETNESS	34	"	"	US, IV .25G/DAY/FT^2
		9-34	SBK/C	FI/SEXP/S/P					
4	"	0-5	GR/CL	FR/SEXP/SS/SP	>51" TO SOIL WETNESS	51+	"	"	PS, IV .3G/DAY/FT^2
		5-51+	SBK/ABK/C	FI/SEXPS/P					
5	"	0-4	GR/CL	FR/SEXP/SS/SP	"	"	"	"	"
		4-51+	SBK/C	FI/SEXP/S/P					
6	"	0-5	GR/CL	FR/SEXP/SS/SP	>50" TO SOIL WETNESS	50+	"	"	"
		5-50+	SBK/C	FI/SEXP/S/P					
7	"	0-6	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	"	"	"
		6-45	SBK/C	FI/SEXP/S/P					
		45-48+	SBK/CL	FR/SEXP/SS/SP					
8	"	0-5	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	"	"	"	"
		5-30	SBK/C	FI/SEXP/SS/SP					
		30-48+	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)		
Site LTAR	.3G/DAY/FT^2	.3G/DAY/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 1/14/02, W. R. Marlin
Others Present:

FILE # 4916B

COMMENTS May well be 100% Repair, would need pump

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

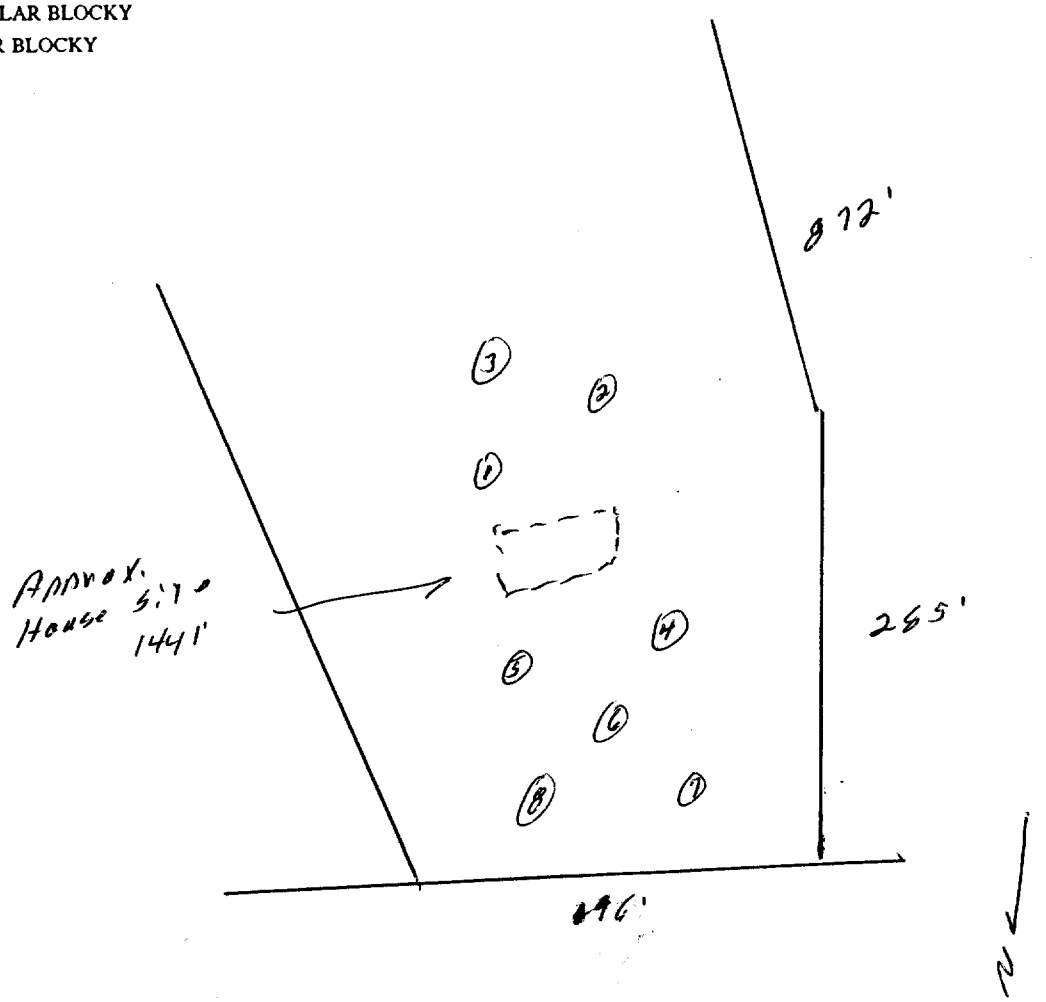
CONSISTENCE MOIST	WET
VFR-VERY FRIABLE	NS-NON-STICKY
FR-FRIABLE	SS-SLIGHTLYSTICKY
FI-FIRM	S-STICKY
VFI-VERY FIRM	VS-VERY STICKY
EFI-EXTREMELY FIRM	NP-NON-PLASTIC
	SP-SLIGHTLYSTICKY
	P-PLASTIC
	VP-VERY PLASTIC

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



CONDITIONS OF IMPROVEMENT PERMIT

Permit Number 4816B

Tax Number: 197-10109

The 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.

Basement	X Yes	___ No	___ Partial Basement
Type Primary Wastewater System Type (circle one): I (II) III IV V VI	X Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

.25 Long-term acceptance rate	480 Max gallons/day wastewater flow	1920 Absorption Area (sq ft)	9' Trench spacing (min. on centers)
GPS Serviced by private well	1500 Gallon septic tank	636 Total trench length (ft)	22' Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
4 Bedrooms in residence	___ Gallon pump tank	12" Depth of stone	

Any surface waters present: Type: Minimum separation distance:

Site modifications required:

Additional Conditions: SEE PWT PLAN

Repair Area System Type Type (circle one): I (II) III IV V VI	X Conventional ___ Prefabricated, permeable block panel system ___ Shallow Placed Conventional	___ Low Pressure Pipe ___ Large Diameter Pipe ___ Fill ___ Other	___ Innovative or Experimental: ___ IWWS-93-1 ___ IWWS-93-2 ___ IWWS-94-1

1920 Absorption Area (Sq ft) 636 Total Trench Length (Ft)	12" Depth of Stone Trench	9' Trench spacing (min. on centers)	22" Maximum Trench Depth

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for th Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effec 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 Departmen
- This Improvement permit is transferable.

DEHNR Authorized Agent — Date 1-30-02

Owner/Agent Signature — Date 6-28-02

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

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

FEE: 300- **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION** AGS Land X
DATE: 6/28/02 **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

DATE: 1-30-02 PERMIT NO: 4816B
PARCEL NO: 191-101-09

JOB LOCATION ADDRESS: 8730 BRIEF RUND
PROPERTY OWNER: _____
BUILDING CONTRACTOR: _____
SUBDIVISION NAME: _____
AUTHORIZATION ISSUED BY: _____ DATE: 1-30-02
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 4816B, 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 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: _____

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 PERMITS AND AUTHORIZATION TO CONSTRUCT.

Chris S. Cochran 6-28-02
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

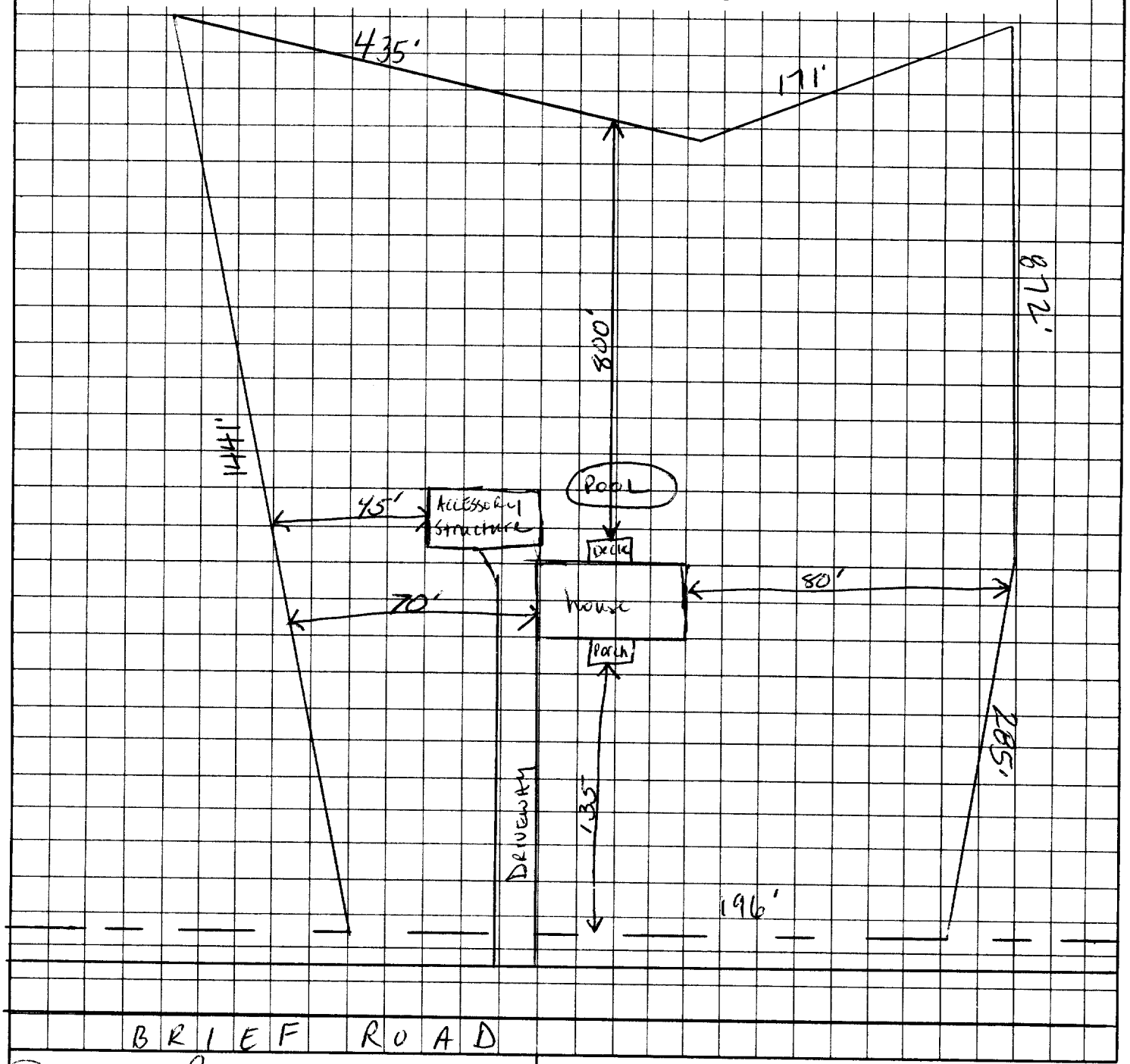
PROPOSED PLOT PLAN

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

FILE: 4816 B

TC: 197·101·09 p6

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.



Oriann Cochrane
OWNER/AGENT SIGNATURE

DATE 12-31-01

APPROVAL DATE _____

White - Health Department's Copy

Canary - E.H.S. Copy

Pink - Owner's Copy

PROPOSED PLOT PLAN

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

FILE: 4816B

TC: 197-101-09

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.

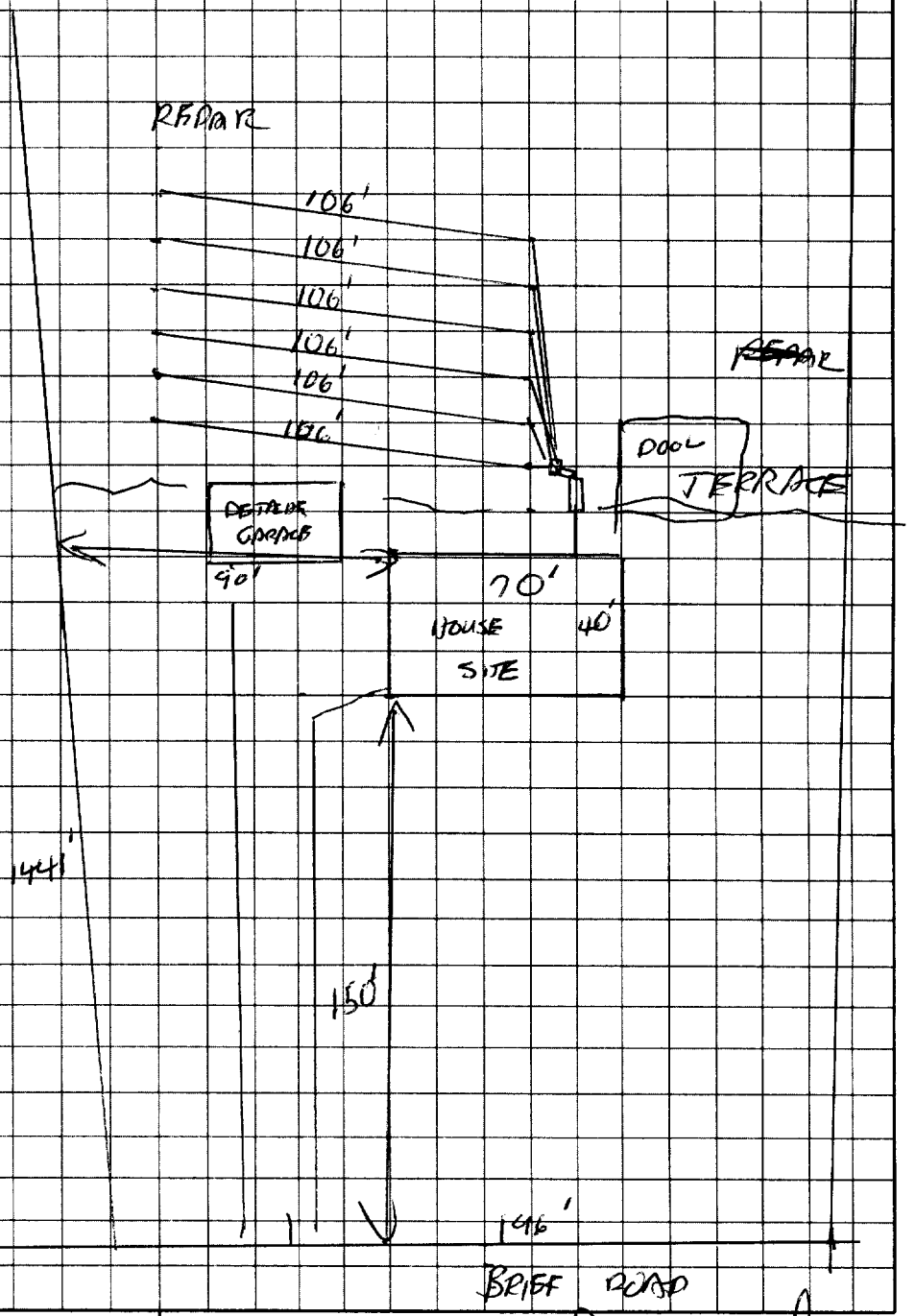
SCALE 1"=50'

(1) INSTALL DRAINLINES SHALLOW (22") AND ON CONTOUR.

(2) LOCATE ALL WELLS THE MAXIMUM FEASIBLE DISTANCE FROM ALL PARTS OF SEPTIC TANK SYSTEM - AT NO TIME LESS THAN 50'.

(3) RESIDENCE IS TO HAVE A BASEMENT WITH PLUMBING - BUILDER IS ADVISED NOT TO GRADE ANY AREA INDICATED FOR USE AS SEPTIC TANK SYSTEM.

(4) ~~DO NOT~~ SEPTIC TANK TO BE INSTALLED SHALLOW; NO ~~LESS~~ GREATER THAN 12" OF COVER.



Mrs. S. Cochrane
OWNER/AGENT SIGNATURE

DATE 6-28-02

APPROVAL DATE 1-29-02

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

PROPOSED PLOT PLAN

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

FILE: 4816B

TC: 197-101-09

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.

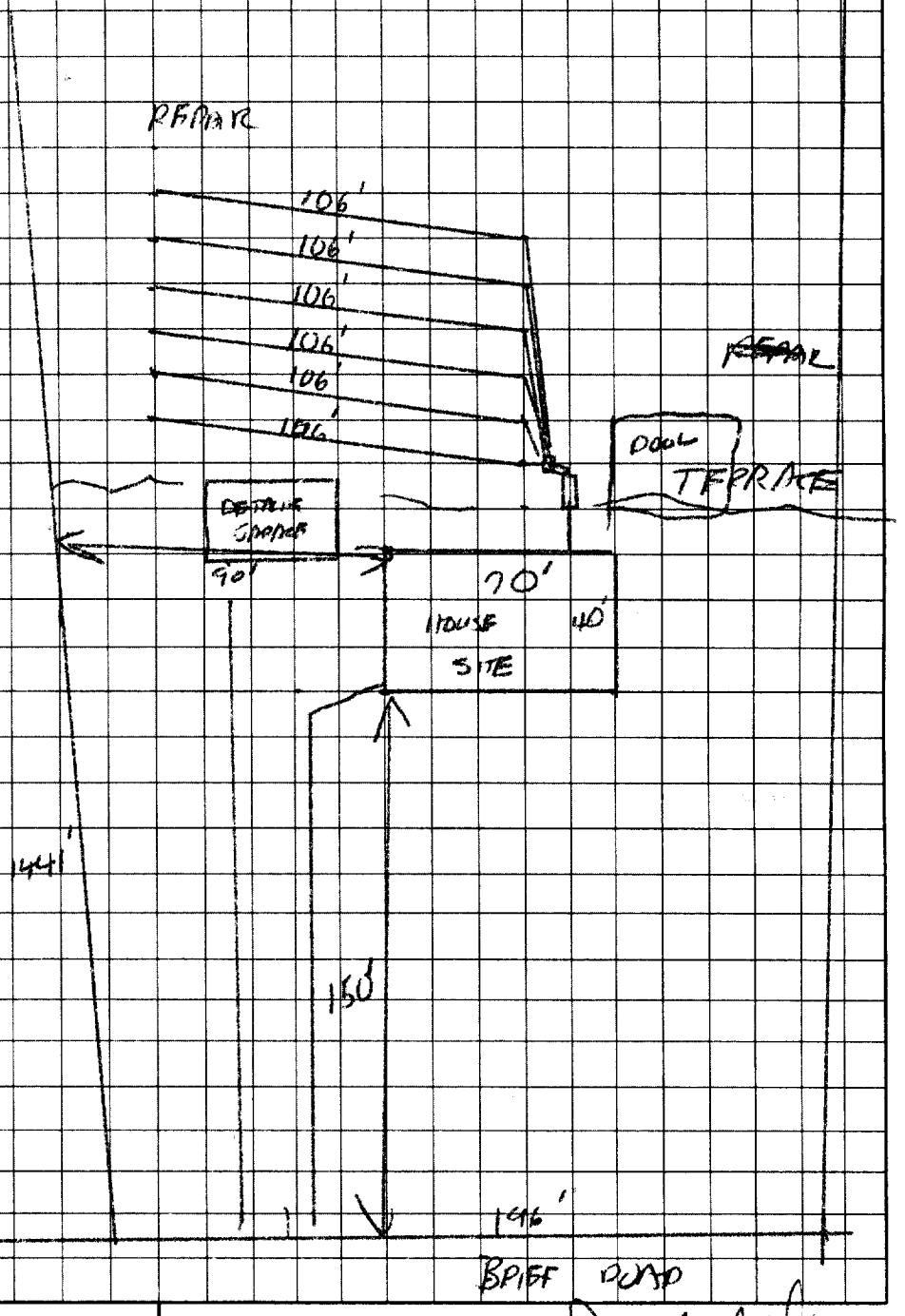
SCALE 1" = 50'

(1) INSTALL DRAINLINES SHALLOW (22") AND ON CONTOUR.

(2) LOCATE ALL WELLS THE MAXIMUM FEASIBLE DISTANCE FROM ALL PARTS OF SEPTIC TANK SYSTEM - AT NO TIME LESS THAN 50'.

(3) RESIDENCE IS TO HAVE A BASEMENT WITH PLUMBING - BUILDER IS ADVISED NOT TO GRADE ANY AREA INDICATED FOR USE AS SEPTIC TANK SYSTEM.

(4) ~~DO NOT~~ SEPTIC TANK TO BE INSTALLED SHALLOW; NO ~~LESS~~ GREATER THAN 12" OF COVER.



Marie S. Cochrane
OWNER/AGENT SIGNATURE

DATE 6-28-02

APPROVAL DATE 1-24-02

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

INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

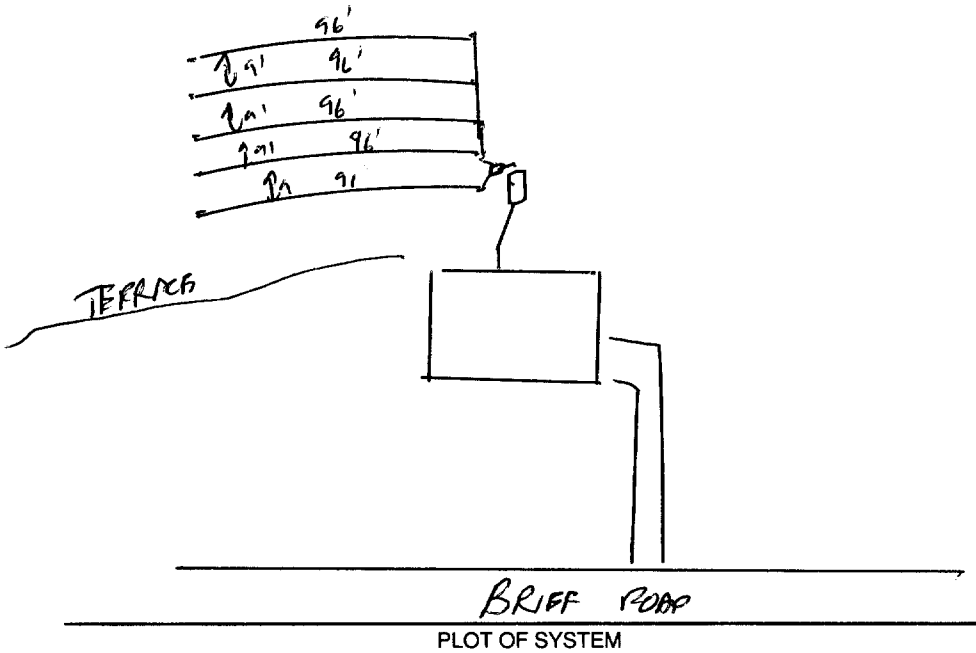
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4816B DATE: 3-12-03

TC: 197-101-09 LV

SERIAL 19307

Permission is hereby given to _____ Install or Construct, _____ Alter or Repair the individual septic tank wastewater treatment system with subsurface, soil absorption, effluent discharge as specified herein at the described location. This permit is granted based upon the information supplied in the application dated 12-31-01. All work shall be completed on or before _____, after which date this permit 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 the granting of this permit. A Certificate of Completion or 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 or hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.



PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank — gallons

Tank Construction DCC

Trench Depth 18"

Absorption and/or Nitrification Lines:

Trench Width 3 feet

Trench Walls Scored and Porous GFS

Total Line Length 480 feet

Number of Lines 5

Depth of Stone 12" inches

Distance from House 25' feet

Distance from Property Line 10' feet

Distance from Well 250 feet

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

NAME OF OWNER RUSSELL COCHRANE -

LOCATION OF PROPERTY _____

Comments: (1) ORIGINAL PERMIT CHANGED TO 3 BEDROOM -

Environmental Health Specialist

WHITE - HEALTH DEPARTMENT's COPY • CANARY - E.H.S. COPY • PINK - OWNER OR AGENT's COPY

CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4816B DATE: 3-27-03

TC: 197-101-09 ☐ L ☒ CRT

SERIAL Nº 18971

Name of Owner RUSSELL COCHRANE Juris.: _____

Address of Property BRIEF ROAD

Inspection Data:

Tank Material 1500 PCC

Total Length of Drainfield _____

Number of Lines 3 @ 104'

Cover Depth 12"

Water Supply Source WELL

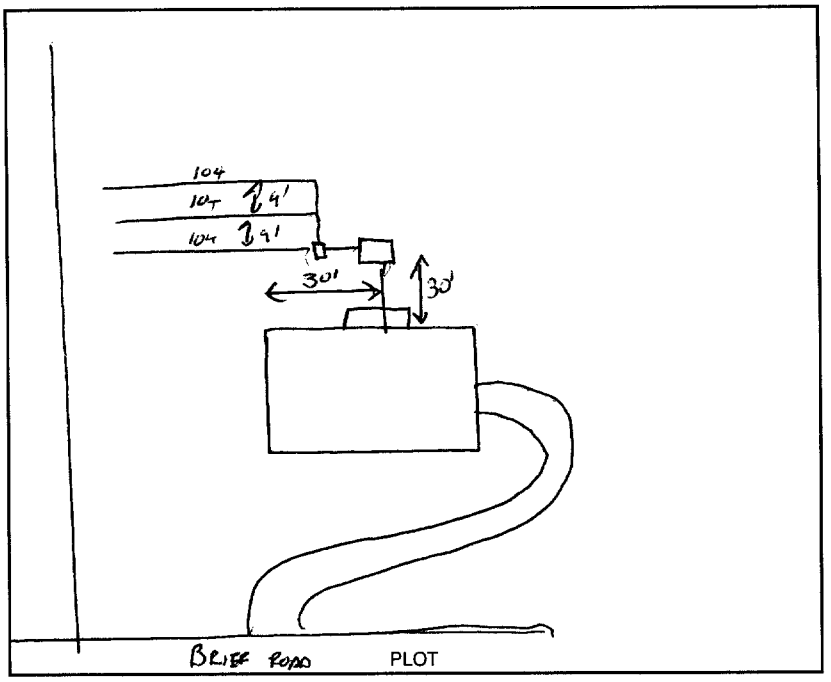
Distance to Water Source >100'

Excavation Inspected 3-27-03

Tank(s) Inspected 3-27-03

Wash Line Inspected —

High Water Alarm Inspected —



Design 1500 ST / 600 SF @ INNOVATIVE SIDEWINDER INFILTRATOR CTR# BOB McCARVER

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☐ installed or constructed ☐ altered or repaired

☐ in accordance with the permit issued ☑ as detailed in the plot above

and meets the provisions of I5A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☑ 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 I5A NCAC 18A. 1990 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/revocation of this permit.

COMMENTS: TYPE II - G INNOVATIVE, 35% REDUCTION, "SIDEWINDER INFILTRATOR"

Environmental Health Specialist

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.



8730 BRIEF RD

19710131

1/7/2008

duponbj

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

Mecklenburg County
LUESA Department South Office
234 Matthews Station Street
Matthews, NC 28105
Phone: (704) 814-0435
Fax: (704) 814-0874

Mecklenburg County
LUESA SOUTH

Fax

To: Gwen or Annette **From:** Phyllis Powell

Fax: 704-336-6894 **Date:** May 20, 2008

Phone: **Pages Including Cover:**

Re: Septic Application **CC:**

☐ **Urgent** ☐ **For Review** ☐ **Please Comment** ☐ **Please Reply** ☐ **Please Recycle**

•Comments:

8730 BRIEF ROAD - RES DETACHED GARAGE - PROJECT #277734

Thanks, Phyllis

2008 UTS OK

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 4016 B WASPS App #: 35 31

Primary ES assigned to project: JJ

Secondary ES assigned to project: _____

Project Type: New System ☐ Alteration ☐ Repair ☐ Modified Plot Plan ☐ UTS ☑

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☐	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☐
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☐
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☐
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☐	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☐	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: _____ Were sufficient auger borings made?	Yes ☐	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR	Yes ☐	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☐	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☐	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☐	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☐	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☐	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☐	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☐	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☐	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☐	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	Yes ☐	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☐	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☐	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☐	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☐	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☐	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☐	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☐	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☐	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: _____

OP issued date: _____

Review performed by: _____ Date performed: 5/2/08

INFILTRATOR® SYSTEMS INC

Environmental Onsite Wastewater Solutions℠

North Carolina
Five Year Limited Warranty
Approved Effective April 24, 2002

Infiltrator Systems Inc. (hereinafter "the Company") hereby extends, for a period of FIVE (5) YEARS, the following Limited Warranty to the system owner who acquires through an authorized Infiltrator Systems installer a new infiltrator nitrification trench system including each chamber, endplate, wedge, and other accessories manufactured by Infiltrator (herein after collectively the Units) located in the State of North Carolina. The Units are warranted to be free from defective materials and workmanship and to perform in accordance with the state performance requirements (15A NCAC 18A Section.1900) in effect on the date of installation. This Limited Warranty applies only to those Units with a trench length modification greater than a 25% reduction as compared to the sizing standard for a conventional gravel trench as permitted by the State of North Carolina. This Limited Warranty is subject to the terms and conditions stated below.

I. WARRANTY ELIGIBILITY

The system owner is eligible for this Limited Warranty provided all of the terms and conditions of this Limited Warranty are strictly followed. The terms of this warranty shall transfer from the original system owner to subsequent system owners for the duration of this limited warranty. This Limited Warranty covers only the performance of the Units as manufactured and installed in accordance with the manufacturer's design specifications and current state regulatory approval.

II. CONDITIONS OF LIMITED WARRANTY

This Limited Warranty shall only apply if the Units are installed for use with domestic strength effluent and located in the State of North Carolina and all of the following terms and conditions are satisfied:

(i) The design and installation of the Units is according to all applicable plumbing and building codes, ordinances, requirements and regulations.

(ii) The design and installation of the Units is strictly according to the rules and regulations of the North Carolina state agency or state-authorized agency that is responsible for inspection and approval.

(iii) The design and installation of the Units is strictly according to all applicable permitting procedures for the Units adopted by the North Carolina state agency or state authorized agency that is responsible for inspection and approval.

(iv) The Units are subject to use permitted by the applicable North Carolina rules and regulations for on-site systems.

(v) Only an authorized Infiltrator installer shall perform the installation of the Units.

III. WHAT IS WARRANTED AND FOR HOW LONG

The Units are warranted for FIVE (5) YEARS from the date of issuance of the Certificate of Occupancy, or date of issuance of the Operation Permit, which ever is later.

If the Units fail within the five (5) year period of this Limited Warranty and all of the terms, conditions and requirements of this Limited Warranty have been met, the Company shall provide all materials and labor that may be necessary to provide a fully functional wastewater system at no cost to the Owner. This section shall not be construed to require that a manufacturer warrant an innovative wastewater system that is not properly sized to meet the design load required for a particular use, that is improperly installed, or that is improperly operated and maintained, in accordance with 15A NCAC 18A .1900 et. seq. Warranty repairs such as full replacement of the nitrification system , extension of the nitrification system or other repairs shall be completed pursuant to a repair Authorization to Construct to be issued by the local health department in accordance with Rule .1961(1).

A system failure is defined by North Carolina 15A NCAC 18A.1900 rules.

IV. WHAT IS NOT COVERED BY THIS LIMITED WARRANTY

1. The septic tank and all septic tank filters, unless required to make the system fully functional.
2. Effluent distribution box(es) and headers, unless required to make the system fully functional.
3. Improper installation.
4. Failure due to excessive use or improper use as defined by state rules for on-site wastewater systems, including, but not limited to, excessive water usage, improper grease disposal, or failure to remove septic tank solids (digested sludge).
5. Landscaping costs other than those specified by rule.
6. Failure due to improper sizing as defined by state rules.
7. Repair work performed prior to a claim or which is done without the Company's authorization.
8. This Limited Warranty does not extend to incidental, consequential, special, indirect or punitive damages.
9. Drain fields repaired or modified by an unauthorized Infiltrator installer.

V. THE COMPANY'S OBLIGATIONS:

No representative of the company has the authority to change this warranty in any manner whatsoever, or to extend this warranty. No warranty applies to any party other than the original system owner or subsequent system owner.

VI. OWNER'S OBLIGATION:

1. Must have signed and dated Operation Permit from the duly authorized representative of the North Carolina state agency or state authorized agency that is responsible for inspection and approval of the Units.
2. Must have a Warranty Certificate from an authorized Infiltrator installer.
3. The system owner must notify the company in writing at its corporate headquarters with 90 days of being notified by an authorized agent of the state that the system has failed. Notice shall be sent to Infiltrator Systems Inc., 6 Business Park Road, P.O. Box 768, Old Saybrook, CT 06475.
4. The system owner must have the septic tank solids (digested sludge) properly removed in accordance with state rules for on-site systems.

VII. DISCLAIMER AND LIMITATION ON IMPLIED WARRANTIES

ALL WARRANTIES AND REMEDIES CONTAINED HEREIN ARE EXCLUSIVE AND THERE ARE NO OTHER WARRANTIES. ANY IMPLIED WARRANTIES OF MECHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IMPOSED ON THE SALE OF THE UNITS TO THE NORTH CAROLINA SYSTEM OWNER, ARE, BY LAW, LIMITED TO FIVE (5) YEAR DURATION FOR THE UNITS AND THEIR CONSTITUENT PARTS, AND ARE SUBJECT TO THE TERMS AND CONDITIONS OF THIS LIMITED WARRANTY. THIS WARRANTY DOES NOT EXTEND TO INCIDENTAL, CONSEQUENTIAL, SPECIAL, DIRECT OR INDIRECT DAMAGES, WHETHER ARISING IN CONTRACT OR TORT. THE COMPANY SHALL NOT BE LIABLE FOR LOSS OR DAMAGE TO PERSONAL PROPERTY, PENALTIES OR LIQUIDATED DAMAGES, LOSS OF PRODUCTION AND PROFITS, OVEHEAD COSTS, OR OTHER LOSS OR EXPENSE. SPECIFICALLY EXCLUDED ARE DAMAGE DUE TO WATER DAMAGE, ORDINARY WEAR AND TEAR, ALTERATION, ACCIDENT, MISUSE, ABUSE, OR NEGLECT; THE UNITS BE SUBJECTED TO STRESSES OR VEHICULAR TRAFFIC GREATER THAN THOSE PRESCRIBED IN THE INSTALLATION INSTRUCTIONS OR OPERATION INSTRUCTIONS; FAILURE TO MAINTAIN THE MINIMUM GROUND COVERS SET FORTH IN THE OPERATION INSTRUCTIONS; THE; SYSTEM FAILURES DETERMINED TO BE DUE TO NONCOMPLIANCE WITH THE ON-SITE WASTEWATER LAW OR RULES (130A-133, et.seq.; 15A NCAC 18A Section .1900) INCLUDING BUT NOT LIMITED TO IMPROPER SITING, EXCESSIVE WATER USAGE, IMPROPER GREASE DISPOSAL, PLACEMENT OF IMPROPER MATERIALS INTO THE SYSTEM, IMPROPER OPERATION OR IMPROPER MAINTANENCE; OR ANY OTHER EVENT NOT CAUSED BY THE COMPANY. THIS PERMIT SHALL BE VOID IF THE SYSTEM OWNER FAILS TO COMPLY WITH ALL OF THE TERMS SET FORTH IN SECTION II AND IV OF THIS WARRANTY.

FURTHERMORE, IN NO EVENT SHALL THE COMPANY BE RESPONSIBLE FOR ANY LOSS OR DAMAGE TO THE ORIGINAL OR SUBSEQUENT SYSTEM OWNER(S), THE UNITS, OR ANY THIRD PARTY RESULTING FROM SHIPMENT OF THE UNITS, OR FROM ANY PRODUCT LIABILITY CLAIMS OF THE ORIGINAL OR SUBSEQUENT SYSTEM OWNER(S) OR ANY THIRD PARTY.

THIS LIMITED WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, NORTH CAROLINA LAW MAY GIVE YOU CERTAIN SPECIFIC OTHER RIGHTS WHICH ARE NOT MENTIONED HEREIN.

VIII. TRANSFER OF WARRANTY

This warranty extends to the original system owner and each subsequent owner of the system during the term of this limited warranty.