


2121 HEATH LAKE DR

19507258

1/8/2008

duponbj

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

# CERTIFICATE OF COMPLETION/OPERATION PERMIT

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

FILE: 5153B DATE: 10-23-03

TC: 195-072-58. ☒ L ☐ CRT

SERIAL 19383

Name of Owner Ryan Homes Juris.: _____

Address of Property 2121 Heathlake Dr.

**Inspection Data:**

Tank Material PCC

Total Length of Drainfield 416'

Number of Lines 4 @ 104

Cover Depth 12"-24"

Water Supply Source Comm.

Distance to Water Source 7100'

Excavation Inspected 10-23-03

Tank(s) Inspected 10-23-03

Wash Line Inspected N/A.

High Water Alarm Inspected N/A.

See Installation Approval.

PLOT

Design 2003 1500 ST 1248 SFT INV P.S. CTR# RCS

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. system designed for a (4) bedroom design unit. Type II G. Repair area.

Joshua R. Sellers R.S. IREHS.
Environmental Health Specialist

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

# INSTALLATION, CONSTRUCTION, ALTERATION, AND/OR REPAIR APPROVAL

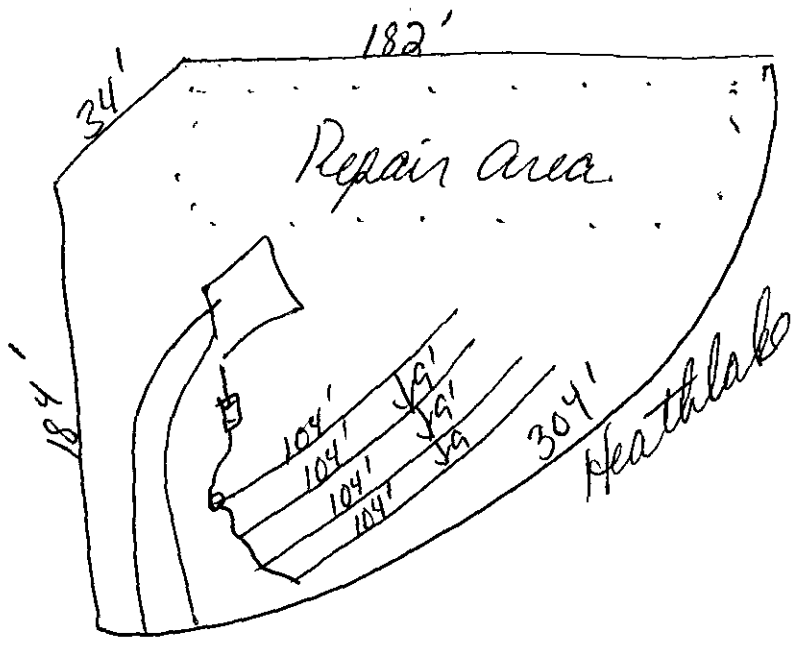
**HEALTH DEPARTMENT**
**ENVIRONMENTAL HEALTH DIVISION**
**700 NORTH TRYON ST., SUITE 211**
**CHARLOTTE, NC 28202**
**PHONE (704) 336-5102**

FILE: 5153 B DATE: 08-27-03

TC: 195-072-58 ☑ L

SERIAL 19508

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 01-08-03. All work shall be completed on or before 08-27-03, 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 N/A. gallons

Tank Construction PCC

Trench Depth ≤ 36"

Absorption and/or Nitrification Lines:

Trench Width 3' feet

Trench Walls Scored and Porous yes

Total Line Length 416' feet

Number of Lines 4@104

Depth of Stone N/A. inches

Distance from House >5' feet

Distance from Property Line >10' feet

Distance from Well >100' feet

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

NAME OF OWNER Ryan Homes

LOCATION OF PROPERTY 2121 Heathlake Drive

Comments: Type III S. 35% Reduction system installed for a (4) bedroom design unit "Warranty" agreement forms required Type III S. Repair Area

Joshua R Sellers R.S. REHS

Environmental Health Specialist

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

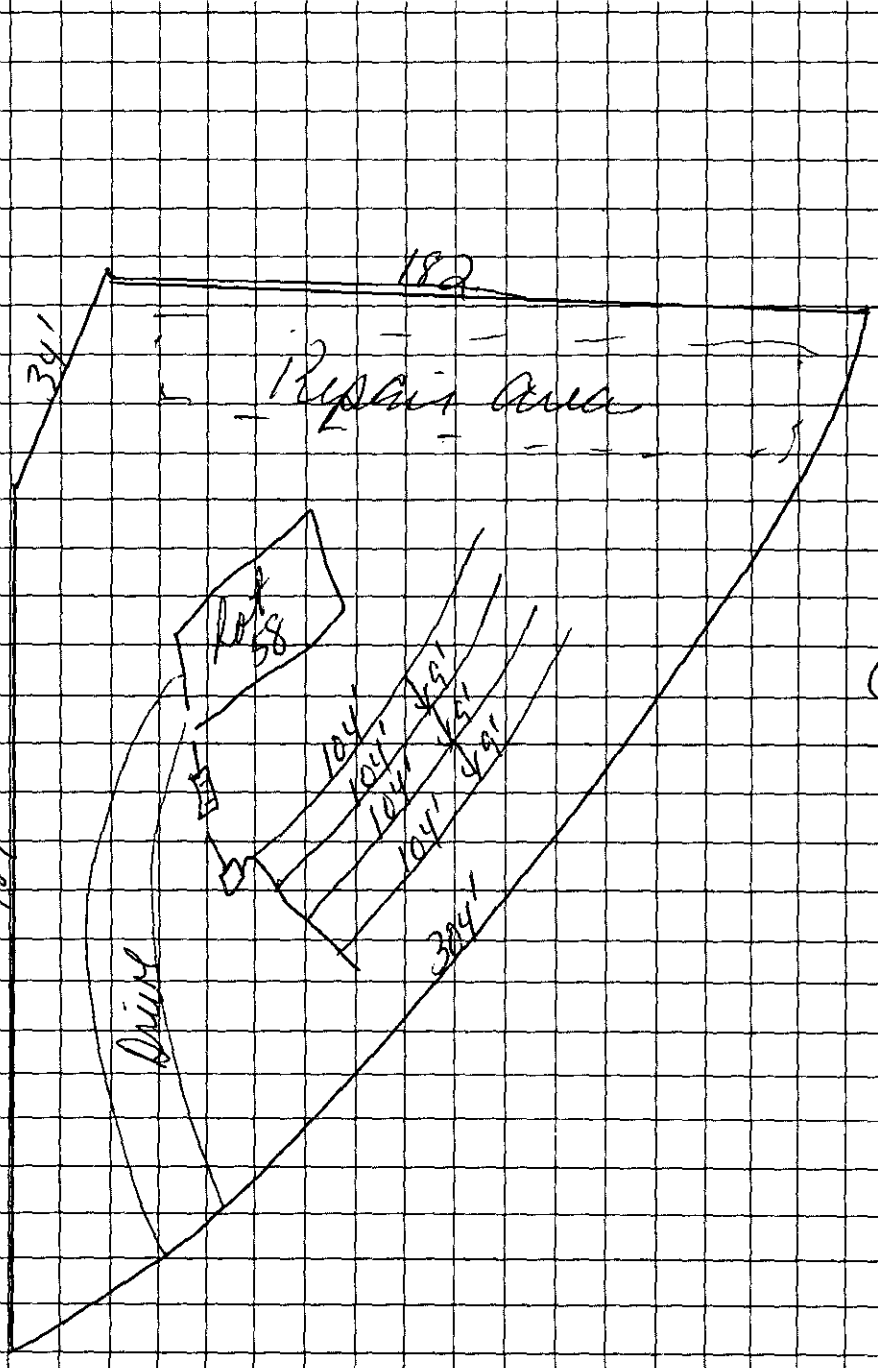
# PROPOSED PLOT PLAN

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

FILE: 51533

TC: 195 - 072 ~~-42~~ P.O. 58

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.




① Plot to Scale.

② 1500 gal Septic Tank,
416 Linear feet
35% Reduction
System 25% Repair Area.

③ Stay 10' off Property Lines >5' off House.

④ Warranty & Agreement forms to be filed

X Mary Beth Walker
OWNER/AGENT SIGNATURE

DATE 7-2-03

APPROVAL DATE Joshua R. Sellers
R.S. IREHS. 06-30-03

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

or Rest
# 133575

ACS

**FEE:** 300 / **AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION** LD
**DATE:** 7/2/03 gc **VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE**

**DATE:** 06-30-03 2121 **PERMIT NO:** 51533 58

**PARCEL NO:** 195-07~~2-02~~ P.O.

**JOB LOCATION ADDRESS:** Lot 58 Heathfield Dr

**PROPERTY OWNER:** Ryan Homes

**BUILDING CONTRACTOR:** Same

**SUBDIVISION NAME:** Heathfield

**AUTHORIZATION ISSUED BY:** Joshua R. Gillespie P.S. 1846 **DATE:** 06-30-03
DEHNR AUTHORIZED AGENT

## AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 51533, 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: Agreement Forms required for Repair Area

## 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.

X MaryBeth Walsh — SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE

X 7-2-03 — DATE

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: 51531B

Tax Number: 195-172-08

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: ___ Yes ✓ No ___ Partial Basement

Type Primary Wastewater System
Type (circle one): I (II) III IV V VI

✓ Conventional
___ Prefabricated, permeable block panel system
___ Shallow Placed Conventional
___ Low Pressure Pipe
___ Large Diameter Pipe
___ Fill
___ Other
___ Innovative or Experimental:
___ IWWS-93-1
___ IWWS-93-2
___ IWWS-94-1

| | | | |
|---|---|---|---|
| .25 Long-term acceptance rate | 4 Max gallons/day wastewater flow | ~~1302~~ 1248 Absorption Area (sq ft) | 9' Trench spacing (min. on centers) |
| N Serviced by private well | 1500 Gallon septic tank | 416' Total trench length (ft) | 36" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions) |
| 4 Bedrooms in residence | N/A Gallon pump tank | N/A Depth of stone | |

Any surface waters present: Type: Minimum separation distance:

Site modifications required:

Additional Conditions: Warranty forms and Agreement form Required.

Repair Area System Type
Type (circle one): I II (III) IV V VI

___ Conventional
___ Prefabricated, permeable block panel system
___ Shallow Placed Conventional
___ Low Pressure Pipe
___ Large Diameter Pipe
___ Fill
___ Other
✓ Innovative or Experimental:
___ IWWS-93-1
___ IWWS-93-2
___ IWWS-94-1

| | | | |
|---|---|---|---|
| 1440 Absorption Area (Sq ft)<br>480 Total Trench Length (Ft) | N/A Depth of Stone Trench | 9' Trench spacing (min. on centers) | 36" 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 the 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 effect at the time of issuance of the permit and is subject to the following provisions:

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

Joshua R Sellers R.S. IREHS 06-30-03 — DEHNR Authorized Agent — Date

[signature] — Owner/Agent Signature — 7-3-03 — Date

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

# NORTH CAROLINA
# FIVE YEAR LIMITED WARRANTY
## Approved Effective April 24, 2002

Ring Industrial Group ("Ring") hereby extends, for a period of FIVE (5) YEARS, the following Limited Warranty to the system owner who acquires through an authorized EZflow Brand drain field system installer a new EZflow Brand drain field system located in the State of North Carolina. The drain field system is 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 EZflow Brand drain field systems whose trench length modification has 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 EZflow Brand drain field system 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 EZflow Brand drain field system is 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 EZflow Brand drain field system is according to all applicable plumbing and building codes, ordinances, requirements and regulations.

(ii) The design and installation of the EZflow Brand drain field system 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 EZflow Brand drain field system is strictly according to all applicable permitting procedures for the EZflow Branddrain field systems adopted by the North Carolina state agency or state-authorized agency that is responsible for inspection and approval.

(iv) The EZflow Brand drain field system is subject to use permitted by the applicable North Carolina rules and regulations for on-site systems.

(v) Only an authorized EZflow Brand drain field system installer shall perform the installation of the EZflow Brand drain field system.

### III. WHAT IS WARRANTED AND FOR HOW LONG:

The EZflow Brand prefabricated nitrification drain field system is warranted for FIVE (5) YEARS from the date of issuance of the Certificate of Occupancy, or the date of issuance of the Operation Permit, which ever is later.

If the EZflow Brand drain field system fails 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, Ring shall provide all materials and labor that may be necessary to provide a fully functional wastewater system at no cost to the system 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 15A NCAC 18A .1900 et. seq. 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. Plastic pipe not authorized by Ring to be used with the EZflow Brand drain field system.
5. 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).
6. Landscaping costs other than those specified by rule.
7. Failure due to improper sizing as defined by state rules.
8. Repair work performed prior to a claim or which is done without Ring authorization.
9. This Limited Warranty does not extend to incidental, consequential, special, indirect or punitive damages.
10. Drain fields repaired or modified by an unauthorized EZflow installer.

### V. RING 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 a signed and dated Operation Permit from the duly authorized representative of the North Carolina state agency or state-authorized agency that is responsible for EZflow Brand drain field system inspection and approval.
2. Must have a Warranty Certificate from an authorized EZflow Brand drain field system installer.
3. The system owner must notify the company in writing at its corporate headquarters within 90 days of being notified by an authorized agent of the state that the system has failed. Notice shall be sent to Ring Industrial Group, 65 Industrial Park Road, Oakland, TN 38060.
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 MERCHANTABILITY AND OF FITNESS FOR A PARTICULAR PURPOSE, IMPOSED ON THE SALE OF EZFLOW BRAND DRAIN FIELD SYSTEM TO THE NORTH CAROLINA SYSTEM OWNER, ARE, BY LAW, LIMITED TO FIVE (5) YEAR DURATION FOR THE EZFLOW BRAND DRAIN FIELD SYSTEM AND ITS 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, OVERHEAD 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 NON-COMPLIANCE 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 MAINTENANCE; 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 DRAIN FIELD SYSTEM, OR ANY THIRD PARTY RESULTING FROM SHIPMENT OF THE DRAIN FIELD SYSTEM, 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 to each subsequent owner of the system during the term of this Limited Warranty.

"I acknowledge to the company and the system owner that the wastewater system and the EZflow Brand drain field system have been installed in accordance with the installation instructions of the company, state wastewater laws and rules, the innovative wastewater system approval, the improvement permit and authorization to construct, and any conditions on the permit or authorization to construct, and other applicable laws and rules."

### IX. INSTALLER CERTIFICATION

R.C.S., INC — Cathy Sanders

Business Name of Installer — Name of Person signing (Print)

Date 10-7-03 5153B Lot 58 Heathfield

This warranty is provided in triplicate. One copy shall go to Ring Industrial Group, one to the local health department, and one to the system owner.

Write: Ring Industrial Group
65 Industrial Park Road
Oakland, TN 38060
Toll Free Phone: (800) 280-6333

5153B
212 Heath Lake 195-072 58 PD

| FILE COPY | |
|---|---|
| FILED FOR REGISTRATION | DOC. # |
| DATE 7-2-03 | TIME 1:52 |
| BOOK 15634 | PAGE 155 |
| STAMPS | REC FEE 20.00 |
| JUDITH A. GIBSON, REGISTER OF DEEDS MECKLENBURG COUNTY, NC | |

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

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

FILE # 5153B
PARCEL # 195072-58

The undersigned, NUR, INC DBA Ryan Homes, owner of property located at 2121 Beaty Lake Dr, (the "site") and described in an instrument recorded in Book 11962 at Page 177, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the 'Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

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

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

This instrument was prepared by: NUR INC DBA Ryan Homes
Mail after recording to: 10815 Dana Taylor
Charlotte, NC 28262

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

Sheet: 1
Property ID: PO 195-071-02
Lot #: 58
File #: 5153B
Code: 2

ACS

# SOIL/SITE EVALUATION
## for ON-SITE WASTEWATER SYSTEM

Owner: NVR, Inc dba Ryan Homes
Applicant:
Address: 10815 David Taylor Drive, Charlotte, N. C. 28262
Date Evaluated: 04/23/2003
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: .69a
Location of Site: Heath Lake Drive
Property Recorded:
Water Supply: [ x ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [ x ] 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, 5 | 0-7 | GR/SCL | FR/SEXP/SS/SP | >49" TO SOIL WETNESS | 49 | N/A | NONE | PS, IV |
| | | 7-37 | SBK/ABK/C | FR/FI/SEXP/S/P | RELIC MOTTLES@37" | | | | .25GPD/FT$^2$ |
| | | 37-49 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| 2 | " | 0-9 | GR/SCL | FR/SEXP/SS/SP | >48" TO SOIL WETNESS | 48 | " | " | " |
| | | 9-48 | SBK/ABK/C | FR/FI/SEXP/S/P | RELIC MOTTLES@27-39 | | | | |
| 3 | " | 0-9 | GR/SCL | FR/SEXP/SS/SP | >51" TO SOIL WETNESS | 51 | " | " | PS, IV |
| | | 9-27 | SBK/C | FI/SEXP/S/P | | | | | .2GPD/FT$^2$ |
| | | 27-51 | ABK/C | FR/FI/SEXP/SS/SP | | | | | |
| 4 | " | 0-11 | GR/SL | FR/SEXP/NS/NP | >51" TO SOIL WETNESS | " | " | " | PS, IV |
| | | 11-51 | ABK/SBK/C | FR/FI/SEXP/S/P | RELIC MOTTLES@26"+ | | | | .25GPD/FT$^2$ |
| 5 | " | 0-8 | GR/SL | FR/SEXP/NS/NP | >49" TO SOIL WETNESS | 49 | " | " | PS, IV |
| | | 8-49 | ABK/SBK/C | FR/FI/SEXP/S/P | | | | | .275GPD/FT$^2$ |

| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | PS | US |
| System Type(s) | | |
| Site LTAR | .25GPD/FT$^2$ | .25GPD/FT$^2$ |

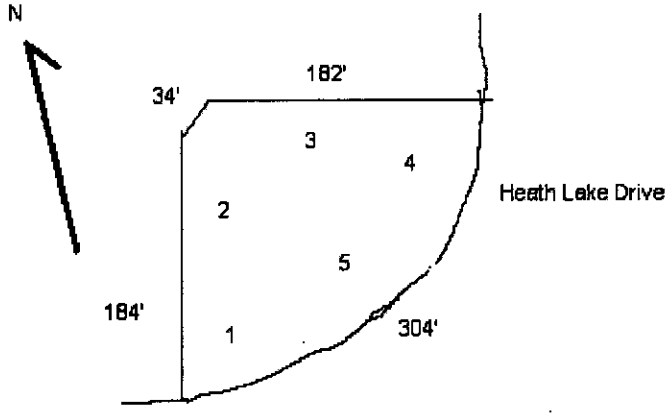
Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 4/25/2003. W. R. Marlin
Others Present: P. Penninger

FILE # 5153B

COMMENTS: 100% repair, keep system as shallow as possible

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

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



FEE: 200 CK

DATE: 1/20/03

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

[ ] CRT

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

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

FILE #: 51538

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER:

STREET ADDRESS: Heath Lake Dr

SUBDIVISION OR MOBILE HOME PARK NAME: Heathfield

LOT NUMBER: # 58

TYPE OF BUILDING (CHECK ONE):

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
X 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
X 7 MINT HILL

HEATED SQUARE FOOTAGE:

NUMBER OF BEDROOMS: 4 | NUMBER OF OCCUPANTS:

FOUNDATION FOR RESIDENCE: 3500

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

CLOSING DATE:

Pool Yes (No)

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

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

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

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

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

PROPERTY OWNER: NVR, INC dba Ryan Homes

NAME: (LAST) (FIRST) (MI)

ADDRESS: 10815 David Taylor Dr

CITY Charlotte STATE: NC ZIP: 28262

DAYTIME PHONE: 704 - 548-3534

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) (FIRST) (MI)

DAYTIME PHONE: ( ) -

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

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: Kristen Ware DATE: 1/8/03

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

# PROPOSED PLOT PLAN

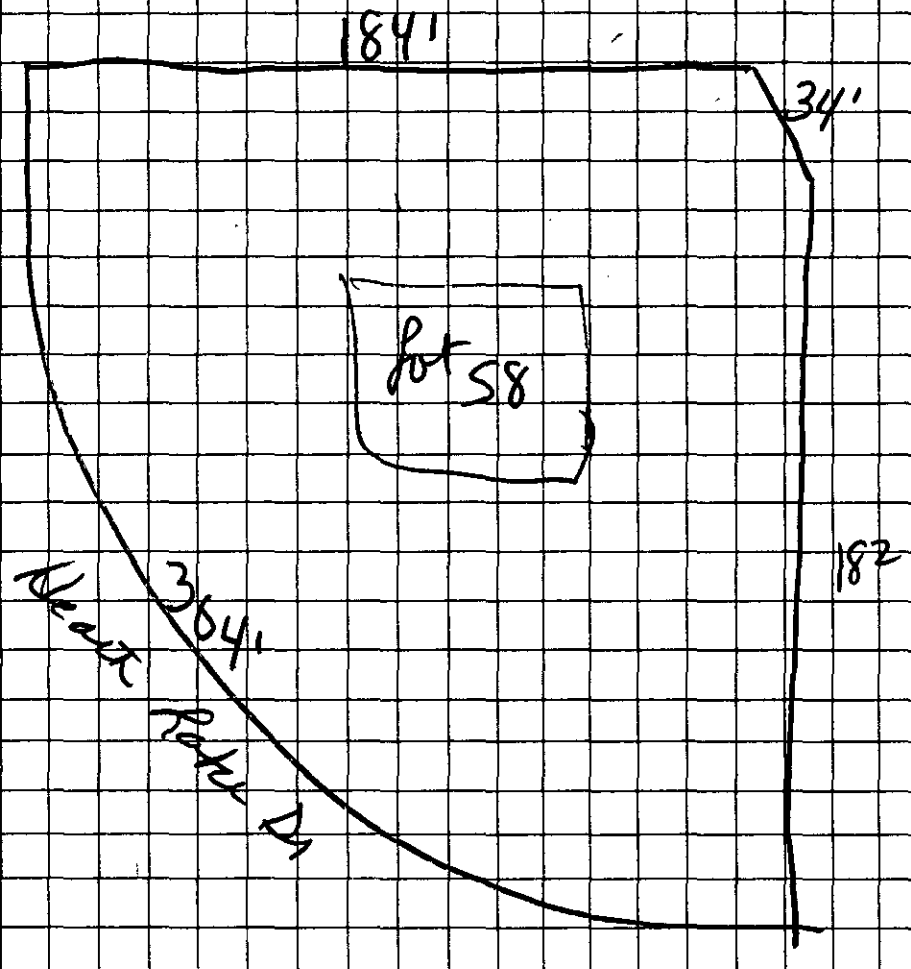
Lot 58

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

FILE: 57538

TC: _____

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.




Kathy Warner
OWNER/AGENT SIGNATURE

DATE 1/8/03

APPROVAL DATE _____

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

106840

NVR **FIELD ACCOUNT** **7601 LEWINSVILLE ROAD McLEAN, VA 22102**

| VENDOR NUMBER | DIV. | ACCT. | COMM. | LOT | UNIT | PHASE | A | D | OPTION | AMOUNT | SUB ACCT | INVOICE NUMBER | INVOICE DATE |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 14548 | CTE | 121 | HF | 1016 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1017 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1018 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1019 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1020 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1021 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1022 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1023 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1024 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1025 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1026 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1055 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1056 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1057 | | 012 | C | | | 200.00 | | | 01/14/03 |
| 14548 | CTE | 121 | HF | 1058 | | 012 | C | | | 200.00 | | | 01/14/03 |

STEP 1 APPLICATION FOR IMPROVEMENT PERMIT

MECK CO. HEALTH DEPT
ENVIROMENTAL DEPT
700 N TRYON ST STE 700
CHARLOTTE NC 28202

REMITTANCE ADVICE

DETACH BEFORE DEPOSITING CHECK

*MECKLENBURG COUNTY*
*LAND USE AND ENVIRONMENTAL SERVICES*
***Payment Receipt***

**Receipt Information**

**Date:** 01/17/03
**Receipt #:** 13119
**Check / Auth #:** CHECK 1068
**Received By:** CRAIGGY

**Amount:** 3,000.00
**Tendered:** 3,000.00
**Returned:** 0.00

**Account Information**

**Account #:** 200000
**Contractor:** RYAN HOMES
**Attn:** NVR FIELD ACCOUNT
**Address:** 10815 DAVID TAYLOR DRIVE
**Address:**
**City/State/Zip:** CHARLOTTE, NC 28262

| Item | Description | Permit# | Quantity | Unit Price | Total Price |
|---|---|---|---|---|---|
| 0701 | Improvment Permit App-Residen<br>HEATHFIELD SUBDIVISION - 15 LOTS | | 1 | 3,000.00 | 3,000.00 |

----------**Outstanding Balances**----------

| Month-To-Date | Prior Month | 30 Days | 60 Days | 90 Days | Balance |
|---|---|---|---|---|---|

11. REFER TO SHEET 2 – DEVELOPMENT DETAILS FOR WELL SITE SCREENING REQUIREME...

