


717 BREEZEWOOD DR

02957107

1/7/2008

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: 4829B DATE: 5-3-02

TC: 029-571-07 ☒ L ☒ CRT

SERIAL Nº 18931

Name of Owner AMERICA'S HOME PLACE Juris.:

Address of Property 717 BREEZEWOOD DRIVE

**Inspection Data:**

Tank Material PCC 1500

Total Length of Drainfield 320

Number of Lines 4 @ 80

Cover Depth 12"

Water Supply Source WELL

Distance to Water Source >150'

Excavation Inspected 5-3-02

Tank(s) Inspected 5-3-02

Wash Line Inspected —

High Water Alarm Inspected —

SEE PLAN.

PLOT

Design 1500 ST 1200 SF <600 INNOVATIVE [ EASY FLOW] CTR#

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 15A 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 15A 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 III - G

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: 4829B DATE: 4-23-02

TC: 029-571-07 ☒ L

SERIAL 19034

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 _____. 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.

SEE PLAN

PLOT OF SYSTEM

Liquid Capacity of Septic Tank 1500 gallons

Liquid Capacity of Dosing Tank _____ gallons

Tank Construction PCC

Trench Depth 18"

Absorption and/or Nitrification Lines:

Trench Width 36" feet

Trench Walls Scored and Porous YES

Total Line Length 320' feet

Number of Lines 4

Depth of Stone NA inches

Distance from House 5' 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 AMERICA'S HOME PLACE

LOCATION OF PROPERTY 717 BREEZEWOOD DRIVE

Comments: _____

Environmental Health Specialist

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

FEE: 300 - AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION
DATE: 4/16/02 VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE NES X

DATE: 3-27-02 PERMIT NO: 4829B
PARCEL NO: 029-571-07

JOB LOCATION ADDRESS: 717 BREEZEWOOD
PROPERTY OWNER:
BUILDING CONTRACTOR:
SUBDIVISION NAME:
AUTHORIZATION ISSUED BY: _____ DATE: 3-27-02
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 4829B, 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: FOLLOW PLAN ON FILE

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.

Bradley M. Triggs 4/16/02
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number 4829B

Tax Number: 029-51107

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 | X No | ___ Partial Basement | |
| Type Primary Wastewater System<br>Type (circle one):<br>I II III IV V VI | ___ Conventional<br>___ Prefabricated, permeable block panel system<br>___ Shallow Placed Conventional | ___ Low Pressure Pipe<br>___ Large Diameter Pipe<br>___ Fill<br>___ Other | X Innovative or Experimental:<br>___ IWWS-93-1<br>___ IWWS-93-2<br>___ IWWS-94-1 | |
| .225 Long-term acceptance rate | 360 Max gallons/day wastewater flow | 1309 Absorption Area (sq ft) | 9' Trench spacing (min. on centers) | |
| YES Serviced by private well | 1500 Gallon septic tank | 320 Total trench length (ft) | 18" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions) | |
| 3 Bedrooms in residence | ___ Gallon pump tank | NA Depth of stone | | |
| Any surface waters present: | Type: | Minimum separation distance: | | |
| Site modifications required: | | | | |
| Additional Conditions: | SEE PLAN | | | |

| | | | | |
|---|---|---|---|---|
| Repair Area System Type<br>Type (circle one):<br>I II III IV V VI | ___ Conventional<br>___ Prefabricated, permeable block panel system<br>___ Shallow Placed Conventional | ___ Low Pressure Pipe<br>___ Large Diameter Pipe<br>___ Fill<br>___ Other | ___ Innovative or Experimental:<br>___ IWWS-93-1<br>___ IWWS-93-2<br>___ IWWS-94-1 | |
| 1309 Absorption Area (Sq ft)<br>320 Total Trench Length (Ft) | NA Depth of Stone Trench | 9' Trench spacing (min. on centers) | 18" 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 effe 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 Departme
- This Improvement permit is transferable.

DEHNR Authorized Agent — Date 3-27-02

Owner/Agent Signature — Date 4/16/02

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

FOR REGISTRATION JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2002 APR 16 02:35 PM
BOOK 13493 PAGE:336-339 FEE:$20 00
INSTRUMENT # 2002075454

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 # 4829B
PARCEL # 029-571-07

The undersigned, Dwayne A Lewis, owner of property located at Dwayne A. Lewis, (the "site") and described in an instrument recorded in Book 2181 at Page 143, 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:

- Any changes on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation.

*This instrument was prepared by:* America's Home Place
*Mail after recording to:* ~~Mooresville, NC 28117~~
168 Norman Station Boulevard
Suite O
Mooresville, NC 28117

S&EC

**Soil & Environmental Consultants, PA**

PMB 291, 9030-I Prosperity Church Road • Charlotte, North Carolina 28269-7397 • Phone: (704) 720-9405 • Fax: (704) 720-9406
www.SandEC.com

Buddy M. Sigs
4/16/02

## FACSIMILE SHEET
*FAX NO. (704) 720-9406*

DATE: 3/7/02 Project Number: S-1086

TO: NAME: BRAD GRIGGS CC: DREW WALKER / BILL MARLOW

COMPANY: AMERICA'S HOME PLACE MOCK CO.

FAX NUMBER: (704) 598-5700 (704) 336-6894

FROM: WENDELL OVERBY SUBJECT: 717 BREEZEWOOD

The following items are being faxed. Number of pages including transmittal sheet: ___

___ For Your Comments/Approval
___ Per Our Conversation
___ Please Advise
___ Would Like To Discuss
___ For Your Information
___ Per Your Request
___ Please Call
___ Please Handle

HARD COPY SENT:
___ US Regular Mail
___ Overnight
___ Hand Delivery
___ No Hard Copy Sent

REMARKS: BRAD / DREW ATTACHED PLEASE FIND A REVISED SITE PLAN / SEPTIC DESIGN FOR 717 BREEZEWOOD. INITIAL SYSTEM IS SHALLOW CONVENTIONAL (18" TRENCH BOTTOM) USING EZFLOW. REPAIR WILL BE AT GRADE CONVENTIONAL W/ MIN 6" COVER & EZFLOW, WENDELL

IF YOU HAVE ANY QUESTIONS OR PROBLEMS WITH THIS TRANSMISSION, PLEASE CONTACT _____ AT (704) 720-9405.

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Taylorsville, NC 28681
Phone: (828) 635-5820
Fax: (828) 635-5820

Raleigh Office:
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Raleigh, NC 27614
Phone (919) 846-5900

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March 1, 2002
Revised March 7, 2002
Project #5-1086

**AMERICA'S HOMEPLACE**
*Attn: Brad Griggs*
168 Norman Station Blvd., Ste. D
Mooresville, NC 28117

**Re: Soil/Site Evaluation on a ±1.0-Acre lot at 717 Breezewood Drive - Mecklenburg County, NC**

Dear Mr. Griggs:

This letter details the findings of Soil & Environmental Consultants, PA. (S&EC) in regards to a detailed soil and site evaluation performed on the above referenced lot. Included with this report are specifications for the septic system layout, a proposed site plan, and information for the design of an "at-grade" conventional system and repair.

## INITIAL FIELDWORK

S&EC traversed the property and observed landforms (slope, drainage patterns, past use, etc.) as well as soil conditions (depth, texture, structure, seasonal wetness, restrictive horizons, etc.) through the use of hand auger borings. The site was evaluated during moist soil conditions. From these observations, an evaluation of the site was developed, relative to subsurface disposal of wastewater. Soil boundaries were flagged in the field using pink S&EC logo tape. The soil/site evaluation criteria used is that contained in 15 A NCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems".

## FINDINGS

This site is located in northeastern Mecklenburg County. The upland soils on this tract are similar to the Mecklenburg soil series. The Mecklenburg soil series has a sandy loam surface material over clay subsoil. These soils are at least 24 inches deep to prohibitive soil characteristics and are generally useable for subsurface septic systems. The unsuitable portion of the lot contains soils that are shallow to drainage mottles and/or expansive clays. Other areas on the lot exhibit complex topography that is unsuitable (i.e. gullies).

S&EC identified an area along the southern property boundary of the lot that contained at least 24 inches of usable material. These soils have potential for conventional, "at-grade" conventional, or LPP septic systems. Within the usable soil area the portion nearest the stream channel contained 30" plus of usable material with potential for shallow placed conventional septic systems. The upper portion of the usable area nearest the house contained between 24 and 30 inches with potential to support an "at-grade" conventional septic system. The remaining soil areas were generally unsuitable for subsurface septic systems due to expansive clay subsoils, evidence of soil wetness or complex topography.

## LAYOUT

Due to the small amount of available space occupied by usable soil, S&EC performed a septic system layout. S&EC was able to demonstrate placement of 750 linear feet of drainline on 9' centers. Approximately half of the drainfield or 350' linear feet has been designated for supporting a shallow

placed conventional system with gravity flow to d-box distribution. The initial system will require an innovative system utilizing 25% line reduction (i.e. EZ Flow). The remaining drainline, 302 linear feet, is designated as an "at-grade" conventional repair with gravity to d-box distribution. The repair area will also utilize an innovative system (EZ Flow). Two short lines in the worst of the usable soils can be utilized as repair if needed. The specifications for the layout including line lengths, flag colors, line elevations, etc. are attached with this report.

S&EC recommends that the following conditions be met for county approval of the usable soils and the septic system layout. 1) trees should be carefully removed from the drainfield area and leaves should be raked and removed from the ground surface, 2) an LTAR of 0.30 gpd/ft$^2$, 3) system installation (trench bottom) 18" below ground surface and 5) repair installation at 12" trench bottom and a minimum 6" county approved soil cover..

**DESIGN**

Attached please find site plans showing placement of the proposed septic system including a 1500 gallon septic tank along with the proposed house site and driveway location. Additionally, specifications for the layout are enclosed along with information and drawings regarding conventional systems. Based on a 3-bedroom house that will produce 360 gal/day with an LTAR of 0.30gpd/ft$^2$ on 3' wide trenches, 400 linear feet of drainline will be needed to support the initial system (300 linear feet with innovative).

Design flow: 120gal/day * 3 bedrooms = 360 gal/day ÷

LTAR: 0.30gpd/ft$^2$ = 1200ft$^2$ ÷

3' trench bottom = 400 linear feet x

0.75 (25% reduction) = 300 linear feet

Soil & Environmental Consultants, PA is pleased to be of service in this matter and we look forward to assisting in any site analysis needs you may have in the future. Please feel free to call with any questions or comments.

Sincerely,




Wendell Overby
NC Licensed Soil Scientist

Encl: *Soil/Site Map*
*Layout Specifications*
*Attachment 1*

***Cc: Mecklenburg County Health Dept.***
***Attn: Drew Walker, R.S.***
***Via: Facsimile***

# Attachment 1

.1950 Location of Sanitary Sewage Systems

(c) Every sanitary sewage treatment and disposal system shall be located at least the minimum horizontal distance from the following:

| | | |
|---|---|---|
| (1) | any private water supply source including a well or spring | 100 feet |
| (2) | any public water supply source | 100 feet |
| (3) | streams classified as WS-I | 100 feet |
| (4) | water classified as S.A. | 100 feet from mean high water mark |
| (5) | Other coastal waters | 50 feet from mean high water mark |
| (6) | any other stream, canal, marsh, or other surface waters | 50 feet |
| (7) | any Class I or Class II reservoir | 100 feet from normal pool elevation |
| (8) | any permanent storm water retention pond | 50 feet from flood pool elevation |
| (9) | any other lake or pond | 50 feet from normal pool elevation |
| (10) | any building foundation | 5 feet |
| (11) | any basement | 15 feet |
| (12) | any property line | 10 feet |
| (13) | top of slope of embankments or cuts of 2 feet or more vertical height | 15 feet |
| (14) | any water line | 10 feet |
| (15) | drainage systems: | |
| | (A) Interceptor drains, foundation drains and storm water diversions | |
| | (i) upslope | 10 feet |
| | (ii) sideslope | 15 feet |
| | (iii) downslope | 25 feet |
| | (B) Groundwater lowering ditched and devices | 25 feet |
| (16) | any swimming pool | 15 feet |
| (17) | any other nitrification field (except repair area) | 20 feet |

(b) Ground absorption, sewage treatment and disposal systems may be located closer than 100 feet from a private well supply, except springs and uncased wells located downslope and used as a source of drinking water, repairs, space limitations and other site-planning considerations but shall be located the maximum feasible distance and, in no case, less than 50 feet.

(c) Nitrification fields and repair areas shall not be located under paved areas or areas subject to vehicular traffic. If effluent is to be conveyed under areas subject to vehicular traffic, ductile iron or its equivalent pipe shall be used. However, pipe specified in Rule .1955 (e) may be used if a minimum of 30 inches of compacted cover is provided over the pipe.

Note: Systems over 3000 GPD or an individual nitrification fields with a capacity of 1500 GPD or more have more restrictive setback requirements, see .1950 (a) (17) (d) for specifics

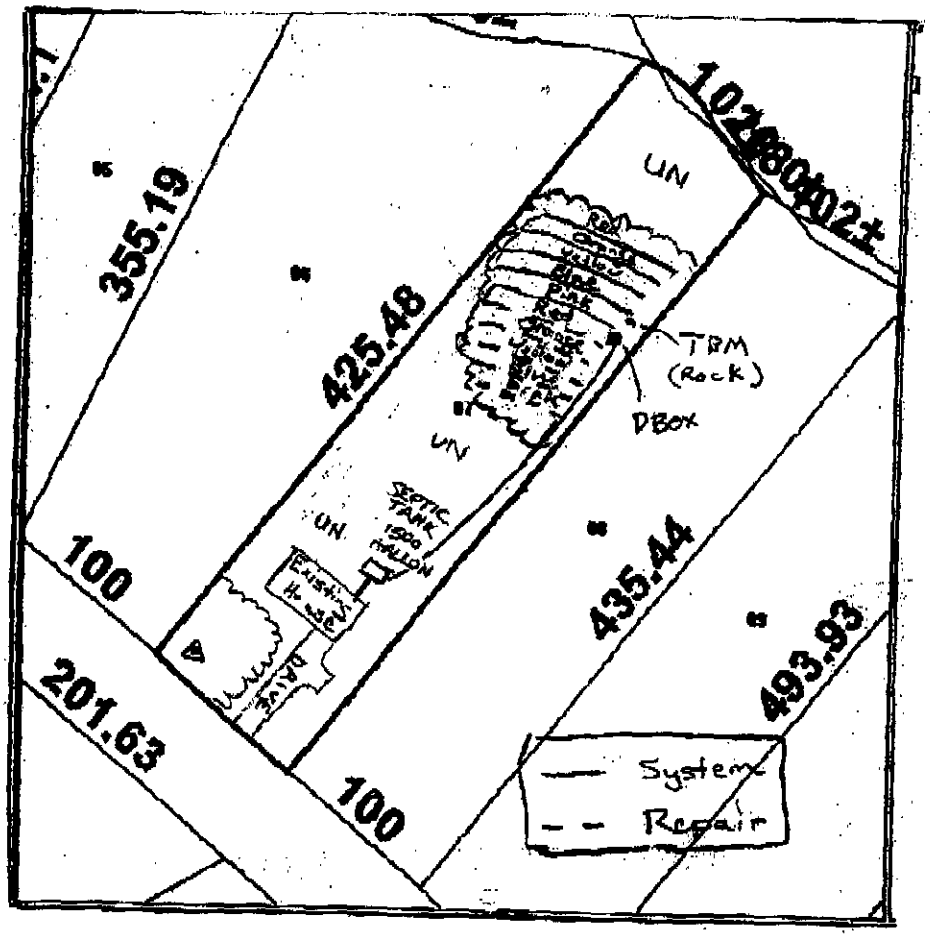
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## SOIL SITE EVALUATION SKETCH MAP

***America's Homeplace – Breezewood Drive***
**Mecklenburg County, North Carolina**
**February, 2002**
**S&EC #5-1086**




**Soil Legend**

**Soil areas contain greater than 24" of usable soil with potential to support a conventional, modified conventional, ultra-shallow conventional or low pressure pipe septic systems.**

"UN" **Soil areas are generally unsuitable for supporting subsurface septic systems.**

Greensboro Office:
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Taylorsville, NC 28681
Phone: (828) 635-5820
Fax: (828) 635-5820

Raleigh Office:
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Raleigh, NC 27614
Phone: (919) 846-5900
Fax: (919) 846-9467

# 717 BREEZEWOOD

JOB #: 5-1086

LAYOUT FOR 3 BEDROOM HOME (360 GPD) February-02

| LINE # | FLAG COLOR | BS | HI | FS | ELEVATION | LINE LENGTH |
|---|---|---|---|---|---|---|
| TBM | | 1.7 | | | 100.0 | |
| INSTR. 1 | | | 101.7 | | | |
| 1 | PINK | EXTRA | | 0.60 | 105.9 | 44 |
| 2 | BLUE | EXTRA | | 1.70 | 104.8 | 54 |
| 3 | YELLOW | | REPAIR | 2.90 | 103.6 | 70 |
| 4 | ORANGE | | REPAIR | 4.30 | 102.2 | 73 |
| 5 | RED | | REPAIR | 5.80 | 100.7 | 79 |
| 6 | PINK | 6.7 | REPAIR | 1.90 | 99.8 | 80 |
| *7 | *BLUE* | | | *3.40* | *98.3* | *90* |
| *8 | *YELLOW* | | | *4.50* | *97.2* | *90* |
| *9 | *ORANGE* | | | *6.00* | *95.7* | *90* |
| *10 | *RED* | | | *7.40* | *94.3* | *80* |
| | | | | | Total | 750 |

3/07/-02

SEE FRONT PAGE

OK

| | LINE LENGTH | DESIGN LTAR GPD/FT² | SYSTEM TYPE | PROPOSED LTAR GPD/FT² | INNOVATIVE SYSTEM | DISTRIBUTION |
|---|---|---|---|---|---|---|
| * *System(lines7-10)* | *350'* | *0.26* | *INNOVATIVE* | *0.30* | *EZ-FLOW* | GRAVITY |
| REPAIR (lines3-6) | 302' | 0.30 | *INNOVATIVE* TRASHWALL | 0.30 | EZ-FLOW | D-BOX GRAVITY D-BOX |

**Notes:**

** TBM located on top of rock on property line
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
** House and driveway location illustrated on the attached map
**BS and FS indicate rod readings
**Lines flagged in field may be longer than lengths shown.
Install at lengths shown on this sheet.

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**Soil & Environmental Consultants, PA**

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PLAN APPROVED
3-27-02
D. Walker
Bradley M. Styer
4/16/02

**FACSIMILE SHEET**
***FAX NO. (704) 720-9406***

DATE: 3/27/02 Project Number: _____

TO: NAME: DREW WALKER CC: _____

COMPANY: MECK. CO. HEALTH DEPT. _____

FAX NUMBER: (704) 336-6894 _____

FROM: WENDELL OVERBY SUBJECT: 717 BREEZEWOOD

The following items are being faxed. Number of pages including transmittal sheet: 2

___ For Your Comments/Approval
X Per Our Conversation
___ Please Advise
___ Would Like To Discuss
___ For Your Information
___ Per Your Request
___ Please Call
___ Please Handle

HARD COPY SENT:
___ US Regular Mail
___ Overnight
___ Hand Delivery
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REMARKS: DREW,

ENCLOSED IS REVISED SPECS. FOR 3 BR BREEZEWOOD SYSTEM.

THANKS,

WENDELL

IF YOU HAVE ANY QUESTIONS OR PROBLEMS WITH THIS TRANSMISSION, PLEASE CONTACT _____ AT (704) 720-9405.

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Raleigh Office:
11010 Raven Ridge Road
Raleigh, NC 27614
Phone (919) 846-5900

# 717 BREEZEWOOD

JOB #: 5-1086 Revised

LAYOUT FOR 3 BEDROOM HOME (360 GPD) March-02

| LINE # | FLAG COLOR | BS | HI | FS | ELEVATION | LINE LENGTH |
|---|---|---|---|---|---|---|
| TBM | | 1.7 | | | 100.0 | |
| INSTR. 1 | | | 101.7 | | | |
| 1 | PINK | EXTRA | | 0.60 | 105.9 | 44 |
| 2 | BLUE | EXTRA | | 1.70 | 104.8 | 54 |
| 3 | YELLOW | | REPAIR | 2.90 | 103.6 | 70 |
| 4 | ORANGE | | REPAIR | 4.30 | 102.2 | 73 |
| 5 | RED | | REPAIR | 5.80 | 100.7 | 79 |
| 6 | PINK | 6.7 | REPAIR | 1.90 | 99.8 | 80 |
| *7 | *BLUE* | | | *3.40* | *98.3* | *80* |
| *8 | *YELLOW* | | | *4.50* | *97.2* | *80* |
| *9 | *ORANGE* | | | *6.00* | *95.7* | *80* |
| *10 | *RED* | | | *7.40* | *94.3* | *80* |
| | | | | | Total | 720 |

| | LINE LENGTH | DESIGN LTAR GPD/FT$^2$ | SYSTEM TYPE | PROPOSED LTAR GPD/FT$^2$ | INNOVATIVE SYSTEM | DISTRIBUTION |
|---|---|---|---|---|---|---|
| * *System(lines7-10)* | *320'* | *0.28* | *INNOVATIVE* | *0.30* | *EZ-FLOW* | GRAVITY D-BOX |
| REPAIR (lines3-6) | 302' | 0.30 | *INNOVATIVE* | 0.30 | EZ-FLOW | GRAVITY D-BOX |

**Notes:**

** TBM located on top of rock on property line
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
** House and driveway location illustrated on the attached map
**BS and FS indicate rod readings
**Lines flagged in field may be longer than lengths shown.
Install at lengths shown on this sheet.

# Mecklenburg County
## Health Department

February 1, 2002

Dwayne L. Inman
5821-C Hunting Ridge Lane
Charlotte, NC 28212

Re: Application for improvement permit for Trent Brown
Property Site: 707 Breezewood Drive
Health Department file no. 4829B

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on January 17, 2002 evaluated the above-referenced property at the site designated on the plat/site plan that accompanied your improvement permit application. According to your application the site is to serve a 3-bedroom residence, with a design wastewater flow of ___360___ gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE for** a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

____X____Unsuitable soil topography and/or landscape position (Rule .1940)
____X____Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
____X____Unsuitable soil wetness condition (Rule .1942)
____X____Unsuitable soil depth (Rule .1943)
_____Presence of restrictive horizon (Rule .1944)
____X____Insufficient space for septic system and repair area (Rule .1945)
_____Unsuitable for meeting required setbacks (Rule .1950)
_____Other (Rule .1946)

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is February 1, 2002. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do no wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

You may call or write the local health department if you need any additional information or assistance.

Sincerely,

J. Andrew Walker, R.S.
Authorized Agent - DENR

Cc: Trent Brown

Encl: (2)

FEE: _____

DATE: _____

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

COPY

Feb 08 2002
1/16/02
[ ] 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 #: 4829B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 027-571-07

STREET ADDRESS: 717 Breezewood Dr

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER: ~~12~~ LOT 13

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

#3

HEATED SQUARE FOOTAGE: 1867

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS:

CLOSING DATE _____

willie

.97

12

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 (on street) ✓ YES __ NO
DESIGNATED WETLANDS __ YES ✓ NO

| PROPERTY OWNER: | LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE: |
|---|---|
| NAME: (LAST) Inman (FIRST) Dwayne Lewis (MI) (Two owners) | NAME: (LAST) ~~Bo~~ America's Home Place (FIRST) (MI) Trent Brown |
| ADDRESS: 5821-C Hunting Ridge Ln | DAYTIME PHONE: (704) 598-5800 |
| CITY: Charlotte STATE: NC ZIP: 28212 | contact Johnnie Parks |
| DAYTIME PHONE: (704) 597-1277 | (704) 598-5800 |

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: _____ DATE: 1/16/02

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

# PROPOSED PLOT PLAN

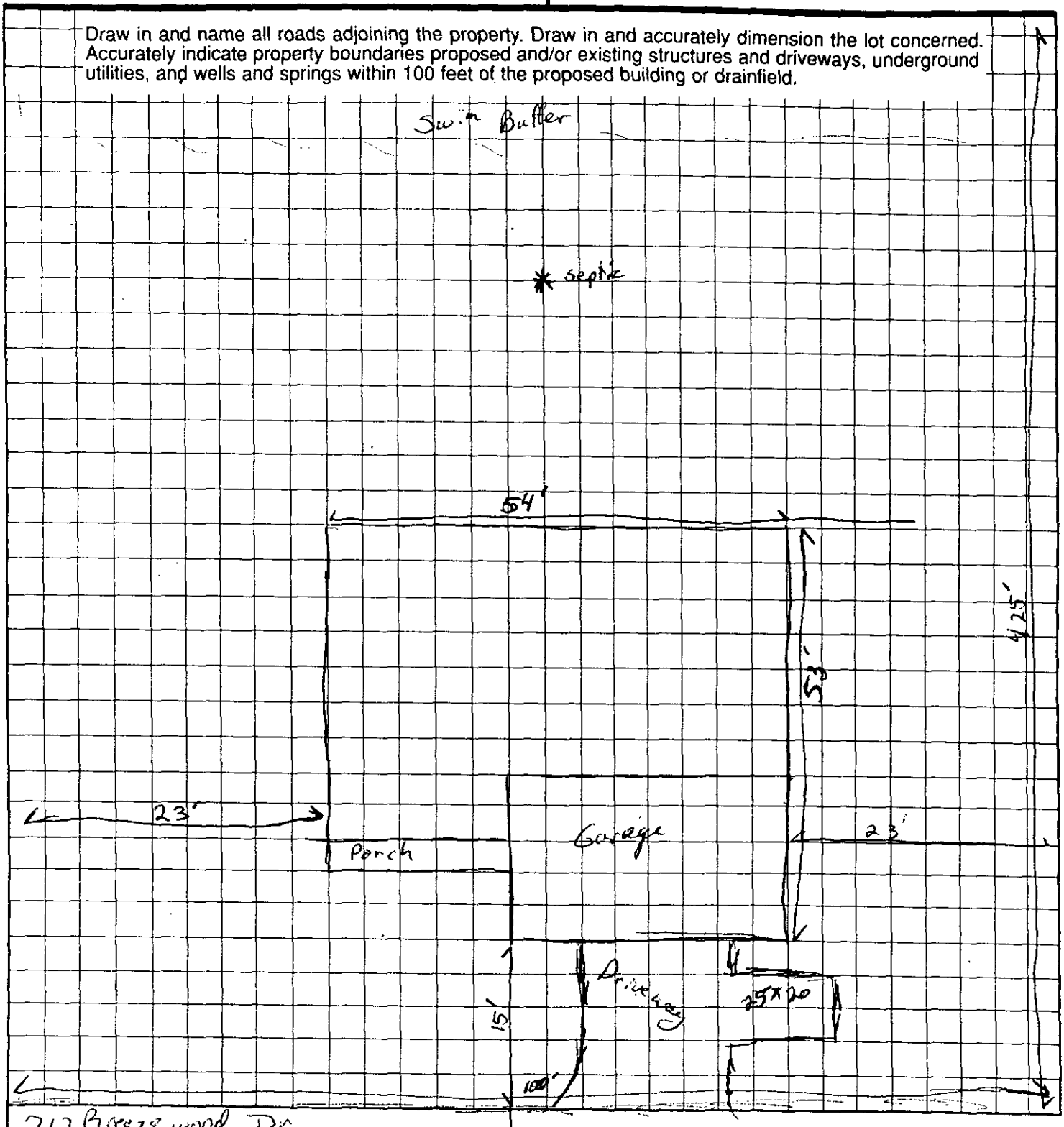
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

COPY

FILE: 4829B

TC: 029.571.07

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.




717 Breezewood Dr

OWNER/AGENT SIGNATURE [signature]

DATE 1/16/02

APPROVAL DATE _____

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

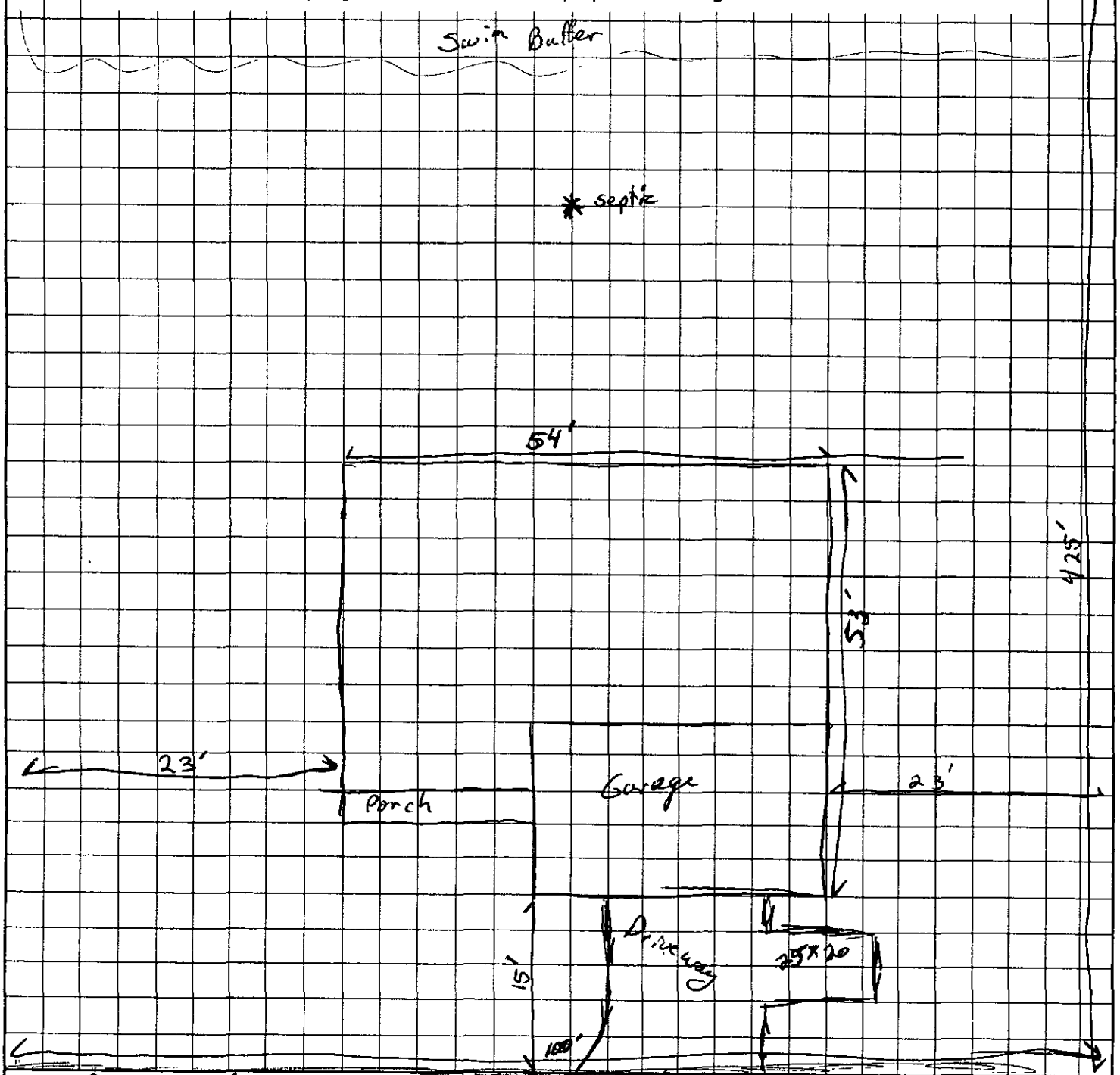
# PROPOSED PLOT PLAN

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

**FILE:** _____

**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.




717 Breezewood Dr

OWNER/AGENT SIGNATURE _____

DATE 1/16/62

APPROVAL DATE _____

White - Health Department's Copy

Canary - E.H.S. Copy

Pink - Owner's Copy

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

Sheet: 1
Property ID: 029-571-07
Lot #: 12
File #: 4829B
Code: 3

ACJ

# SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Dwayne L. Inman
Applicant: America's Home Place
Address: 5821-C Hunting Ridge Lane, Charlotte, N. C. 28212
Date Evaluated: 1/17/02
Proposed Facility: Residence
Design Flow (.1949): 360gpd
Property Size: .97a
Location of Site: 717 Breezewood Drive
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] 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 |
|---|---|---|---|---|---|---|---|---|---|
| | 5-15 | | | | | | | | |
| 1 | CS | 0-7 | GR/SCL | FR/SEXP/SS/SP | >41" TO SOIL WETNESS | 41 | N/A | NONE | US |
| | | 7-37 | SBK/CL | FR/SEXP/SS/SP | | | | | |
| | | 37-41 | SBK/C | VFI/MIXED/VS/P | | | | | |
| 2 | LS | 0-7 | GR/SCL | FR/SEXP/SS/SP | >40" TO SOIL WETNESS | 40 | " | " | PS, III. .3G/DAY/FT$^2$ |
| | | 7-40 | WKSBK/CL | FR/SEXP/SS/SP | | | | | |
| 3 | CS | 0-6 | GR/SCL | FR/SEXP/SS/SP | >29" TO SOIL WETNESS | 29 | " | " | US, IV .1G/DAY/FT$^2$ LPP |
| | | 6-26 | SBK/SCL | FR/SEXP/SS/SP | | | | | |
| | | 26-29 | SBK/SC | FI/SEXP/S/P | | | | | |
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| Description | Initial System | Repair System |
|---|---|---|
| Available Space (.1945) | US | |
| System Type(s) | | |
| Site LTAR | | |

Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 1/22/02. W. R. Marlin
Others Present:

FILE # 48293

COMMENTS Does not appear to be 100% Repair
Sewer line behind stream at rear of lot

| 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 |

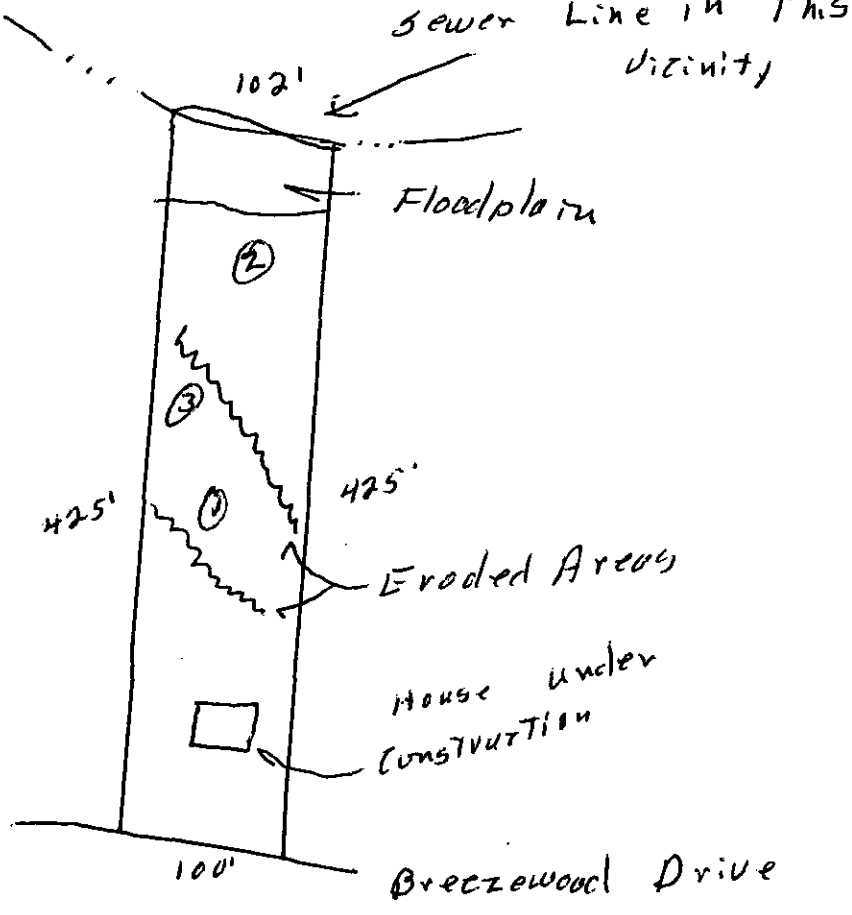
STRUCTURE

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

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



FEE: _____

DATE: _____

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

Rec'd 1/16/02

1/16/02

[ ] 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 #: 4829B

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 027.571.07

STREET ADDRESS: 717 Breezewood Dr

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

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: 1867

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS:

CLOSING DATE _____

FOUNDATION FOR RESIDENCE

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

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

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

WATER SUPPLY (CHECK ONE): ✓ COMMUNITY (C) __ 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 (on street) ✓ YES __ NO
DESIGNATED WETLANDS __ YES ✓ NO

PROPERTY OWNER:

NAME: (LAST) Inman (FIRST) Dwayne Lewis (MI) (Two owners)

ADDRESS: 5821-C Hunting Ridge Ln

CITY: Charlotte STATE: NC ZIP: 28212

DAYTIME PHONE: (704) 597-1277

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: (LAST) [redacted] (FIRST) America's Home Place (MI) Trent Brown

DAYTIME PHONE: (704) 598-5800

Comfort Johnnie Parks

(704) 598-5800

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: _____ DATE: 1/16/02

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