



Madison County Health
 Department
 400-A North Main Street
 PO Box 67
 Madison, Virginia
 22727
 (540) 948-5481
 (540) 948-3841

Sewage Disposal System Operation Permit
 Health Department ID Number: SD-04-02

Tax Map No.:
 GPIN:
 Type of Property: Residential
 Health Dept. Id. SD-04-02

40-79B-4

Greystone Homes, LLC, 1202 Orange Road, Culpeper, Virginia 22701 (540) 825-1600 ext: 104, is Hereby Granted Permission to Operate a (Type) Sewage System, Having Design Capacity 450 gallons per day, and 3 Bedrooms at Ridge Crest Subdivision, Lot 4, Lonnie Burke Road

Subdivision	Section	Lot
Ridgecrest		4

This Permit is Issued in Accordance with the Provisions of Title 32.1, Chapter 6 of the Code of Virginia as Amended and Section(s) _____ of Sewage Handling Disposal Regulations of Virginia Department of Health and _____ Dated 2/9/2004.
 Special Conditions: **None**

9/24/2004
Effective Date

Dwayne Dixon
EHS

D. T. Dixon
Approved

GRAYSTONE HOMES, INC.
1202 ORANGE ROAD
CULPEPER, VA 22701

FACSIMILE TRANSMITTAL SHEET

TO:	Dwayne Dixon	FROM:	Missy Walker
COMPANY:	Madison County Health Dept	DATE:	09/22/04
FAX NUMBER:	540-948-3841	TOTAL NO. OF PAGES INCLUDING COVER:	5
PHONE NUMBER:	540-948-5481	SENDER'S REFERENCE NUMBER:	Razeghi-Ridge Crest Lot 4
RE:	Info needed for Operations Permit	YOUR REFERENCE NUMBER:	SD-04-02

- URGENT
 FOR REVIEW
 PLEASE COMMENT
 PLEASE REPLY
 PLEASE RECYCLE

NOTES/COMMENTS:

Please prepare the Operations Permit for the above referenced location. If you should have any questions or require additional information, please do not hesitate to contact me at 540-825-1600 x 104. Thank you.

Commonwealth of Virginia

Uniform Water Well Completion Report

Owner Westwood
Address _____
Phone _____
Location Ridgecrest Lot 4

Tax Map ID _____
VDH Permit _____
VWCB Permit _____
VWCB ID _____
County Madison

Well Data

General Information

Drilling Method Air Rotary Date Completed 02-20-04
Depth To Bedrock 60 Yield 10 GPM
Static Water Level _____ Stabilized Water Level _____
Well Disinfected (Y or N) _____ Disinfectant Used _____

Well Depth 275
Length of Test _____
Natural Flow _____
Amount Used _____

Casing
From 0 To 60
Size 6 1/4 Material PVC
Wall/SDR Sch 40

From _____ To _____
Size _____ Material _____
Wall/SDR _____

From _____ To _____
Size _____ Material _____
Wall/SDR _____

Gravel Pack
From _____ To _____

From _____ To _____

From _____ To _____

Grout
From 0 To 20
Bore Hole Size 10
Type bentonite
Method pumped

From _____ To _____
Bore Hole Size _____
Type _____
Method _____

From _____ To _____
Bore Hole Size _____
Type _____
Method _____

Water Zones or Screened Intervals

From _____ To _____
Mesh Size _____ Diam _____

From _____ To _____
Mesh _____ Diam _____

From _____ To _____
Mesh _____ Diam _____

Use Data

Private Well: Domestic Agricultural _____ Industrial _____
Public Well: Community _____ Non Community _____ Monitoring _____

Abandonment Information

Bored or Dug Wells

Casing Removed, Y or N?: _____
If Y, Depth to which casing was removed _____
Depth and Type of Fill _____
Source of fill _____

Wells other than Bored Wells

Casing Removed, Y or N?: _____
Depth to which casing was removed _____
Depth and type of gravel /sand fill _____
Source of gravel/sand fill _____
Cement: From _____ to _____

Method of permanently marking location: _____

Drillers Log

Depth	Description of Formation or Sediment	Remarks
0-60	Unconsolidated Material	
60-275		Rock

I certify that the information contained here is true and that this well was installed and constructed in accordance with the permit and further that the well complies with all applicable state and local regulation, ordinances and laws.

T. G. Riner Well Drilling
17248 Auburn Rd.
Brandy Station, Virginia 22718
Phone (540) 825-0548
Drillers signature _____
Representing T.G. Riner Well Drilling
Virginia Contractors License Number _____

Date 02-23-04



ENVIRONMENTAL SYSTEMS SERVICE, LTD.

GRAYSTONE HOMES, INC.
 10361 RESIDENCY ROAD
 MANASSAS, VA 22111

ANALYSIS REPORT

RIDGECREST - LOT# 4
 ESS WO NUMBER: 43361
 ESS ID NUMBER: 33268
 SAMPLE LOCATION: BATH
 SAMPLE SOURCE: SD# 04-02
 DATE SAMPLED: 09/21/2004
 TIME SAMPLED: 08:30

PARAMETER	RESULT	METHOD
Total Coliform Bacteria	ABSENT	SM 9223 (18 hr)
E. coli	ABSENT	SM 9223 (18 hr)

THIS WATER SAMPLE HAS MET THE MINIMUM POTABLE WATER TEST REQUIREMENTS AS ESTABLISHED BY THE VIRGINIA DEPARTMENT OF HEALTH

Reviewed by: *James J. [Signature]*
 ESS LAB SERVICES

Report Date: September 22, 2004
 VA LAB ID# 00115

Completion Statement

Commonwealth of Virginia
State Department of Health

Health Department Identification Number Medison County
SD-04-02 Health Department

Name of Company/Corporation/Individual: K&W Enterprises
Address: 5566 Speeryville Pike, Boston E. 2373 Telephone: 540-987-7219

Owner's Name: Rayston Homes
Owner's Address: 1202 Orange Rd, Culpeper Va. 22701

Location of Installation: Lot 4 Block Bridgecrest

Section: Tox map # 40-716
Other: _____

I hereby certify that the onsite sewage disposal system has been installed and completed in accordance with the construction permit issued (date) 8.13.04 and is in compliance with Part D of the Sewage Handling and Disposal Regulations and when appropriate the plans and specifications for the project.

7.28.04 _____
Kimberly V. Edwards Proprietor
Signature and Title

Date
C.H.S. DR. Rev. 4/78

Well site Changed

2-19-04



Madison County Health
 Department
 400-A North Main Street
 PO Box 67
 Madison, Virginia
 22727
 (540) 948-5481
 (540) 948-3841

Private Well Construction Permit
 Health Department ID Number: SD-04-02

Owner Information			
Greystone Homes, LLC 1202 Orange Road Culpeper, Virginia 22701		Phone:	(540) 825-1600 ext: 104
Location Information			
Subdivision Name:	Ridgecrest 1202 Orange Road	Tax Map:	40-79B
Property Address:		GPIN:	
County:		Legal Description:	Section Block Lot 4
Directions:			
General Information			
Well Class:	Class IIIC	Minimum Casing Depth:	20
		Minimum Grout Depth:	20

Comments:

Notice: The Virginia Department of Health may revoke or modify this permit if, at a later date, it finds the conditions that formed the basis for issuing the permit do not substantially comply with the *Private Well Regulations*, 12 VAC 5-630-10 et seq., or if the well would threaten public health or the environment.

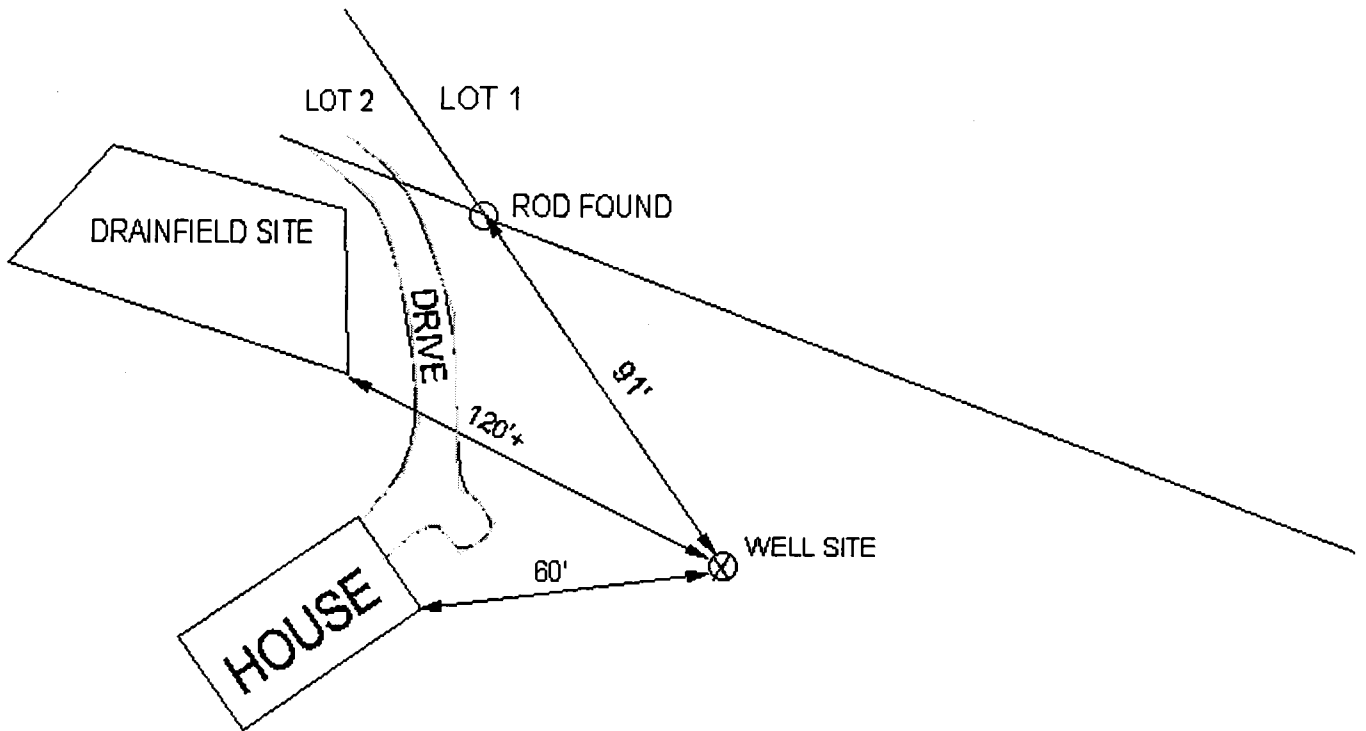
Owner Information

Greystone Homes, LLC
1202 Orange Road
Culpeper, Virginia 22701

Phone: (540) 825-1600 ext: 104
HD ID #: SD-04-02

Construction Drawing

Scale drawing of the well site and related features.



Show the property lines, all existing and proposed structures, existing and proposed sewage systems and water supplies, slope, and any topographic features which may impact the design of the well.

Site Evaluation Conducted By:

DWAYNE T DIXON

DJ Dixon

Dwayne Dixon

2/9/2004

Issue Date

8/9/2005

Expiration Date

Charles Shepherd
Supervisor

2-19-04

Date

Septic Tank - Soil Absorption System Construction Permit
Health Department ID Number: SD-04-02 Total Pages 2

Owner Information		
Greystone Homes, LLC 1202 Orange Road Culpeper, Virginia 22701	Phone:	(540) 825-1600 ext: 104

Location Information			
Subdivision Name: Ridgecrest	Tax Map: 40-79B		
Property Address: 1202 Orange Road	GPIN:		
County:	Legal Description: Section Block Lot 4		
Directions:			

General Information	
System Type:	Number of Bedrooms: 3
Type of Property: Residential	Daily Flow: 450 gallons
Conditions:	

Sewer Line	Distribution Box Information
[Default 4"] SCH 40 PVC or equivalent	No. of Boxes: 1
	No. of Outlets: 12

Conveyance Line/Force Main Information	Header Line Information
Method: Gravity Distribution Box	1500# crush
Material: 4" diameter, minimum crush strength 1500#	Minimum slope 2"
Pipe Diameter: 4"	
Slope: only for non-pump - 6" per 100'	

Septic Tank - Inlet Outlet Structure	Percolation Lines and Absorption Area
Capacity: 1000 gallons	Slope: 2-4" per 100'
The inlet structure shall be one to two inches higher than the outlet structure and shall extend six to eight inches below and eight to ten inches above the normal liquid level. The outlet structure shall extend 35-40% below the normal liquid level and eight to ten inches above the normal liquid level.	Percolation lines: 4" diameter
To comply with the maintenance requirements of 12 VAC 5-610-817 the septic tank must be provided with one of the following three options:	Center to Center Spacing: 9'
1. Inspection port.	Installation Depth: 24"
2. Effluent filter.	Depth of Aggregate: 13"
3. Reduced maintenance tank	Size of aggregate: 0.5-1.5"
	# of Laterals: 6
	Lateral Length: 75'
	Lateral Width: 3'
	# of Square Feet: 1350

44' 1/4
45' 2
47

54' 3/4
56' 1/2
57' 1/2

66
67
67

79
80' 3/4
82

94' 1/4
95' 3/4
97

107' 1/4
108' 1/2
110

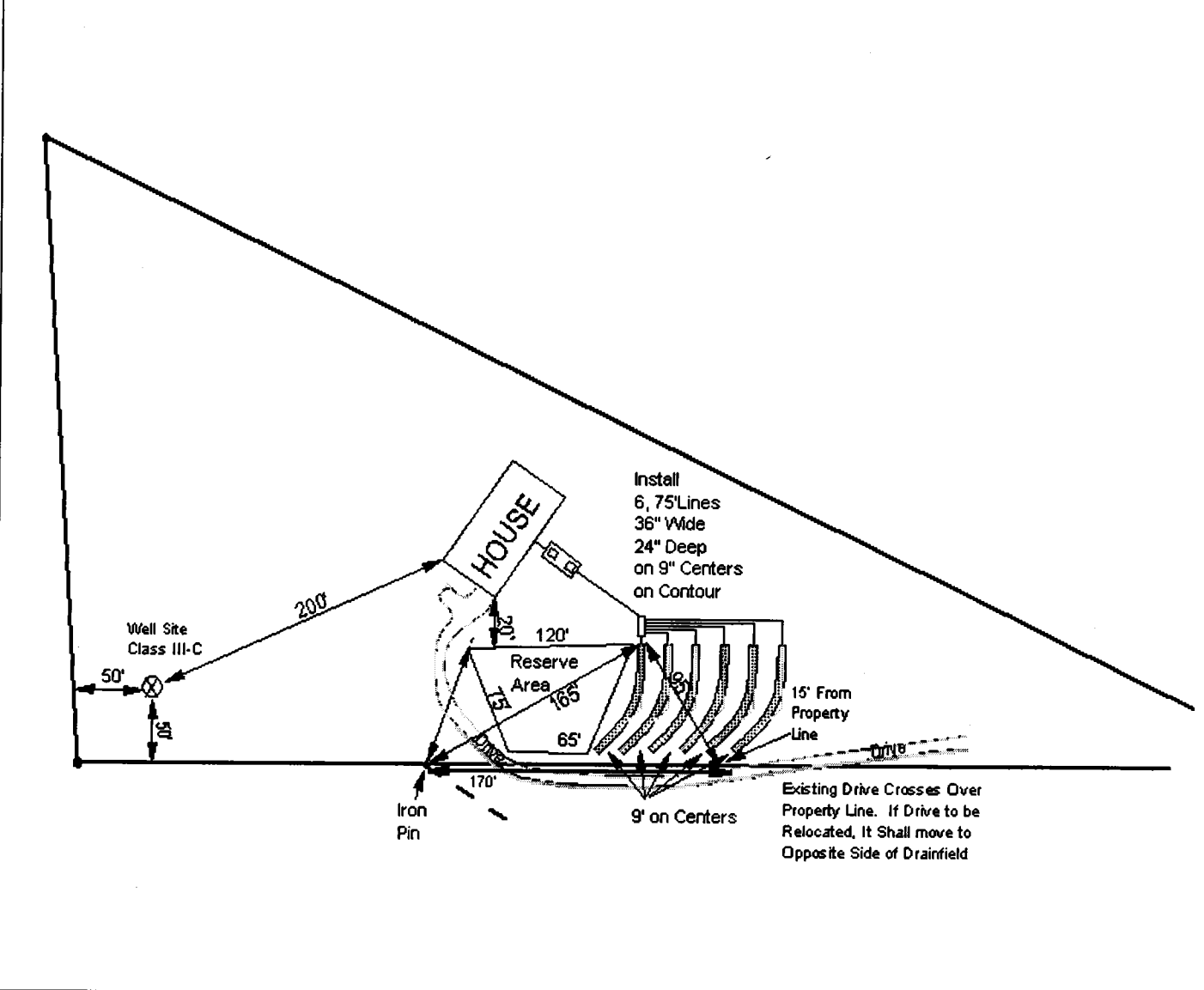
94' 1/2 / 96' 1/4

Construction Drawing

Owner Information	
Greystone Homes, LLC 1202 Orange Road Culpeper, Virginia 22701	Phone: (540) 825-1600 ext: 104 HD ID #: SD-04-02

Construction Drawing

Schematic drawing of sewage disposal system and topographic features.




This sewage disposal system construction permit is null and void if conditions are changed from those shown on the application or construction permit.

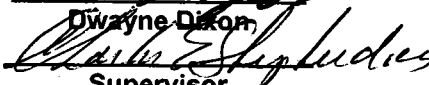
No part of any installation may be covered or used until inspected, corrections made if necessary and the system is approved. The inspection will normally be made by the system designer, who may be an AOSE, PE, or EHS. Any part of any installation which has been covered prior to approval shall be uncovered, if necessary, upon direction of the Department or the system designer.

System Design By: Dwayne Dixon

Site Evaluation Conducted By: Glen E. McClenny # 013

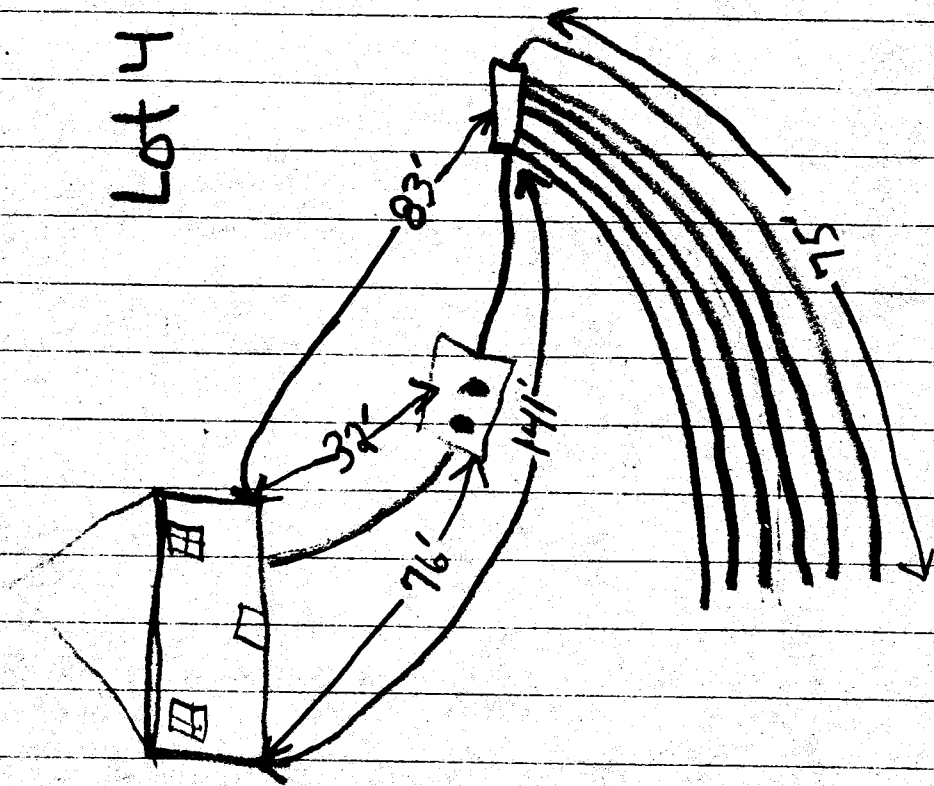

Dwayne Dixon
 Supervisor

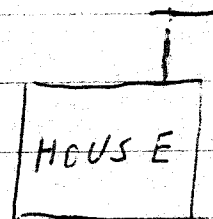
2/9/2004
 Issue Date


2-13-04
 Date

8/9/2005
 Expiration Date

Lot 4 Ridgecrest 1662 Orange Rd





A hand-drawn diagram of a house. It consists of a simple rectangular box representing the main body of the house. From the top center of this box, a vertical line extends upwards, ending in a short horizontal bar, which represents a chimney. The word "HOUSE" is written in capital letters inside the rectangular box.

Commonwealth of Virginia
Application for a Sewage Disposal and/or Water Supply Permit

Health Department ID 04-02

To Be Completed By The Applicant

Type of Sewage system: New Repair Expanded Conditional
FHA/VA yes no Case No. _____

Owner GRAYSTONE HOMES INC. Address 1202 DRANGE RD. CULPEPER, VA 22701 Phone 540-825-1600 Ext 104

Agent _____ Address _____ Phone _____

Directions of Property FROM MADISON RT 29 NORTH R. ON RT. 629 LOT BOTTOM ON HILL ON RIGHT.

Subdivision Ridgecrest Section _____ Block _____ Lot 4

Other Property Identification 5.12174 AC. - 40-79B

Dimension/size of Lot/Property 800' X 250'

Other Application Information

I. Building/facility New Existing
Intermittent Use Yes No If yes, describe _____

II. Residential Use Yes No
Termite Treatment Yes No
 Single Family Multi-family
(Number of Bedrooms 3) (Number of Units _____)

Basement Yes No
Fixtures in Basement Yes No

III. Commercial Use Yes No Describe: _____
Commercial/Wastewater Yes No Number of Patrons _____
Number of Employees _____

If yes, give volumes and describe _____

IV. Water Supply: Public New Existing
 Private New Existing
Describe: _____

V. Proposed Sewage Disposal Method:
Onsite Sewage Disposal System: Septic Tank Drainfield LPD Mound Other

Public Sewerage System

Attach a site plan (rough sketch) showing dimensions of property, proposed and/or existing structures and driveways, underground utilities, adjacent soil absorption system, bodies of water, drainage ways, and wells and springs within 200 feet radius of the center of the proposed well or drainfield. Distances may be paced or estimated.

The property lines and building location are clearly marked and the property is sufficiently visible to see the topography. I give permission to the Department to enter onto the property described for the purpose of processing this application.

Royal [Signature]
Signature of Owner/Agent

Dec. 17, 2003
Date

APPLICATION FOR BUILDING PERMIT

Name of Owner Graystone Homes, Inc.
Address 10381 Residency Rd., Manassas VA 20110 Telephone (703) _____

Name of Contract Buyer Razeghi, Helen
Address _____ Telephone (703) _____

Name of Contractor _____ Number _____
Address _____ Telephone (703) _____

Property Location--Highway No. Route 629 Land Map No. 40-79B
Block _____ Section _____ Subdivision _____ Lot Number _____
Lot Size 5.198 acres (2001) Frontage _____ Land Division X Lot of Record
Zoning Classification A 1 New well also.

BUILDING DATA

Type of Structure Septic Permit Proposed Use for proposed house.
Accessory Structure Addition Mobile Home (Year _____) X Septic System Electrical
Single Family Dwelling Remodeling Other: _____
Size 0 x 0 No. of Floors _____ Total Area _____ Square Feet
Garage Attached Detached Size _____
Bedrooms _____ Baths 0 Other _____ Interior Wall Construction _____
Exterior Wall Construction _____ Type Roof _____
Central Air _____ Heat _____ Fireplace _____ Flue _____
Basement _____ (full partial finished unfinished)

HIGHWAY DATA, SETBACK AND YARDS

Served by: X State Road Private Road X Less than 50 Feet. Greater than 50 Feet.
Building Setback: 100c Feet Side Yard 25 Feet from Property Line
Side Yard 25 Feet from Property Line; Rear Yard 50 Feet from Property Line

UTILITIES

Domestic Water: X Individual Public Sewerage: X Individual Public
Health Permit _____ Permit No. _____

(Dated)
Approved by Health Dept. _____

Estimated Cost \$ 2500.00 Work to Begin 01/09/04 To Be Completed 01/09/05

I hereby certify that I have the authority to make the foregoing application, that the information given is correct, and the use or construction shall conform to the County Health Regulations, the Zoning Ordinance, and private deed restrictions, if any, which are imposed on the above property. I further agree to restore any and all damage which may result from this work. **PERMIT EXPIRES ONE YEAR AFTER ISSUANCE.**

Signature of [Signature] Date 1-9-04
Owner or Agent: _____

Approved by Building Inspector _____ Date _____

Approved by Zoning Administrator _____ Date _____

TAG SHEET

SD# 04-02

Name: Greystone ~~Atlanta~~ Homes, Inc Tax Map ID _____

Application for: Construction Permit Certification _____

	Date	Initials
Application Received:	<u>1-5-04</u>	<u>SMY</u>
Application Reviewed:	<u>L</u>	<u>L</u>
Fee Determination:	<u>L</u>	<u>L</u>
Assigned to:		
Site Visit Scheduled:		
Site Visit Made:	<u>2-5-02</u>	<u>AA</u>
Deactivated:		
Purpose:		
Reactivated:		
Follow-up Visit:		
Follow-up Visit:		
Issue/Deny Drafted:	<u>2-9-04</u>	<u>OP</u>
Issue/Deny Reviewed:	<u>2-13-04</u>	<u>CEL</u>
Issue/Deny Countersigned:	<u>2-13-04</u>	<u>CEL</u>
Issue/Deny Mailed		

APPROVED

Soil Summary Report

GENERAL INFORMATION

Date September 4, 2001 Submitted to Madison County Health Department
Applicant Westwood Homes Telephone (540) 335-2739
Address 10361 Residency Road, Manassas, VA 22111-4925
Owner Same Address Same
Location From Madison, Rte. 29 North, right Rte. 629, property at the intersection with Rte 607
Tax Map 40-79B Subdivision Jenkins Property
Block/Sec. Lot Residue, Site 2-M(Re)

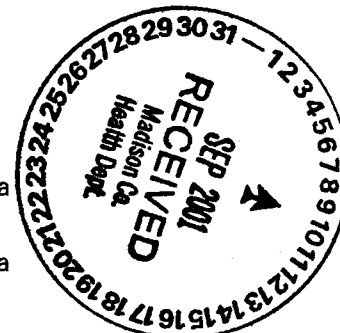
SOIL INFORMATION SUMMARY

1. Position in landscape satisfactory Yes No
Describe Wooded Piedmont Sideslope
2. Slope 9 %
3. Depth to rock or impervious strata: Max. _____ Min. 42" None (Hole #2)
4. Depth to seasonal water table (gray mottling or gray color) No Yes _____ inches
5. Free water present No Yes _____ range in inches
6. Soil percolation rate estimated Yes No
Texture group IIB/III
Estimated Rate 55-60
7. Permeability test performed Yes No
**All applicable regulations as well as the specific soil and site conditions (including the trench sidewalls) were taken into account when the estimated percolation rate was assigned.*
- If yes, note type of test performed and attach _____

- Site Approved: Primary drainfield to be placed at 24 inch depth at site designated on permit.
If required, reserve drainfield to be placed at 24" depth as designated on permit.
- Site Disapproved

Reasons for rejection:

- Position in landscape subject to flooding or periodic saturation.
- Insufficient depth of suitable soil over hard rock.
- Insufficient area of acceptable soil for required drainfield, and/or Reserve Area
- Rates of absorption too slow.
- Insufficient area of acceptable soil for required drainfield, and/or Reserve Area
- Proposed system too close to well.
- Other Specify _____



(attach additional pages if necessary)

The information presented in this submittal package represents the best available information as of the evaluation date noted on the next page of this package. Due to the potential for subsequent events to negatively impact the recommendations made in this package, it is our firm's very strong recommendation to submit this documentation to the local health department for approval as soon as it is received by the client. Failure to do so may render the information contained in this package void. M & M Soil Consultants, Inc., as well as the certifying individual, accepts no liability for subsequent events that occur after the date of the evaluation.

SOIL PROFILE DESCRIPTION REPORT

Date of Evaluation June 1, 2001

Jenkins Property, Residue, Site 2-M(Rework)

Where the local health department conducts the soil evaluation, the location of profiles holes may be shown on the schematic drawing on the construction permit or the sketch submitted with the application. If soil evaluations are conducted by a private soil scientist, location of profile holes and sketch of the area investigated including all structural features, i.e., sewage disposal systems, wells, etc., within 100 feet of site (See Section 4) and reserve site shall be shown on the reverse side of this page or prepared on a separate page and attached on this form.

See application sketch page See construction permit See sketch attached to this form

Hole	Horizon	Depth (inches)	Description of color, texture, etc.	Texture Group
1	A	0-6	10YR 4/3 Loam, Friable	IIB
	Bt	6-27	2.5YR 4/6, 4/8 Clay Loam, Friable 2-3msbk	III
	BC	27-48	2.5YR 4/6, 5YR 5/8 Sandy Clay Loam, Friable, 1msbk	IIB
	C	48-60	Multi-colored 2.5YR 4/6, 5YR 5/6, 5/8, 7.5YR 6/6, 6/8, 10YR 7/6, 7/8, 2.5Y 4/4 Sandy Loam, Very Friable	IIA
2	A	0-8	10YR 4/3 Loam, Friable	IIB
	Bt	8-27	2.5YR 4/6, 4/8 Light Clay Loam, Friable, 2msbk	III
	BC	27-42	2.5YR 4/6, 5YR 5/8, 7.5YR 6/8, 10YR 7/4 Light Clay Loam, Friable, 1msbk	III
	Cr	42+		
3	A	0-8	10YR 3/2 Fine Sandy Loam, Very Friable	IIA
	E	8-19	10YR 5/4, 6/4 Fine Sandy Loam, Very Friable	IIA
	Bt	19-32	5YR 4/6, 7.5YR 4/6, 5/6 Sandy Clay Loam, Friable, 2msbk	IIB
	BC	32-43	2.5YR 4/6, 5YR 5/6, 5/8, 6/6, 6/8, 7.5YR 6/6, 7/6 Channery Heavy Sandy Loam, Friable	IIA
	C	43+		
4	A	0-5	10YR 3/2 Sandy Loam, Friable	IIA
	E	5-17	10YR 6/4 Sandy Loam, Friable	IIA
	Bt	17-38	2.5YR 4/6 Light Sandy Clay Loam, Friable, 2msbk	IIB
	BC	38-54	2.5YR 4/6, 5YR 5/8, 6/8, 7.5YR 6/6, 6/8 Heavy Sandy Loam, Friable	IIA
5	A	0-3	10YR 3/2 Sandy Loam, Friable	IIA
	E	3-10	10YR 6/4 Sandy Loam, Friable	IIA
	Bt	10-37	2.5YR 4/6, 5YR 5/6, 5/8 Clay Loam to Sandy Clay Loam, Friable, 2msbk	IIB/III
	C	37-48	10YR 7/3, 7/4, 7/6, 2.5Y 4/4, 5/4 Sandy Loam, Very Friable, few pockets of firm, dense cobbles	IIA
	Cr	48+		

Abbreviated Design Form *Jenkins Prop., Residue, Site 2-M(Rework)*

Design Basis

A. a. Estimated Percolation Rate (minutes per inch)	55-60
b. Recommended trench bottom (inches)	24
c. Depth to restrictive feature or to limit of evaluation (inches)	42
d. Minimum separation distance required (may be impacted by perc rate)	18
e. Separation distance in inches provided in design (Ac-Ab)	18
f. Minimum trench bottom due to slope $[(\% \text{ slope} - 10)/2 + (12 \text{ or } 18)]$ (inches)	18
g. Is the slope greater than 10%?	No
h. If Ag is Yes, does greater than 24 inches to rock exist below Ab?	n/a
i. If yes to Ah, add 1 ft. to the minimum center to center spacing beginning at 20% slope and continue for each 10% slope increase above 20%. If no to Ah, add 1 ft. to the minimum center to center spacing beginning at 10% slope and continue for each 10% slope increase above 10%. (Report the value, in feet, of the increase in center to center spacing above the minimum.)	n/a

B. Trench bottom square feet required per bedroom from Table 4.6 based on <input checked="" type="checkbox"/> gravity <input type="checkbox"/> LPD	432
C. Number of Bedrooms	4

Area Calculations

D. Length of trench	75 feet
Length of available area	75 feet
E. Width of trench	3 feet
F. Number of trenches	8
G. Center-to-center spacing	9 feet
H. a. Width required $(G(F-1) + E)$	66 feet
b. Width of available area	138 feet
I. Total square footage required $(B * C)$	1,728 sq. ft.
J. Square footage in design $(D * E * F)$	1,800 sq. ft.
K. Is a reserve area required? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	

Percent required:	100
Percent available:	100

Notes: 100% reserve is available with the remaining 8, 75' lines in this area.

Certification Statement

County: Madison County

Date: September 4, 2001

Property Identification: tax map 40-79B, Jenkins Property, Residue, Site 2-M(Rework)

Submitted by: Glen E. McClenny

This is to certify according to subsection 32.1-163.5 of the *Code of Virginia* that work submitted for the referred property is in accordance to and complies with the *Sewage Handling and Disposal Regulations* of the Virginia Department of Health. I recommend a Subdivision Approval be approved.

AOSE 
Glen E. McClenny; AOSE 013, CPSS 3401-000049

Date: September 4, 2001

