

B 1 1459

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 522426 please type

STATE PERMIT NUMBER

40-94-4198 fill in this form completely

Date Received (APA)

OWNER INFORMATION 9977

8 MM DD YY 13

Winchester Homes, Inc

15 Last Name Owner First Name 34

6905 Rockledge Drive, Suite 800

36 Street or RFD 55

Bethesda, Md 20817

57 Town 70 State 72 Zip 76

DRILLER INFORMATION

George F. Easterday M W D 040

Driller's Name 76 License No. 81

L. Franklin Easterday, Inc.

Firm Name

9265 Brown Church Rd., MT. Airy, Md. 21771

Address

Signature: George F. Easterday Date: 4/25/05

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
INDUSTRIAL, COMMERCIAL, DEWATERING
PUBLIC WATER SUPPLY WELL
TEST, OBSERVATION, MONITORING
GEO-THERMAL

LOCATION OF WELL

Howard CC#

8 COUNTY 21

Riverwood Phase I

23 SUBDIVISION 42

SECTION 44 46 LOT 33 48 50

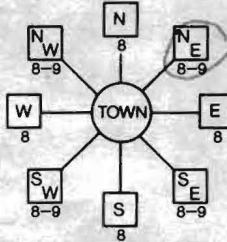
Clarksville

52 NEAREST TOWN 71

MILES FROM TOWN (enter 0 if in town) 3 M I 73 76 77 78

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)

1 2



Kinsale Court

11 NEAR WHAT ROAD 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 150 37

DISTANCE FROM ROAD FT. ENTER FT OR MI 38 39

TAX MAP: 23 BLK: 21 PARCEL 86

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A516084

COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 5/24/05 5/24/06

43 MM DD YY 48 CO SIGNATURE EXP. DATE

NORTH GRID 50 513 000 EAST GRID 57 927 000

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

AIR-ROTary AIR-Percussion ROTARY (Hydraulic Rotary)

CABLE REVerse-ROTary DRive-POINT

other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL
THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER 40 2004 G 047

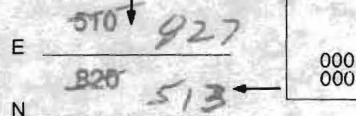
PERMIT No. 40-94-4198

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. wells
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE



DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 15 B 1



SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Phillips & Son Drilling Inc. Telephone #: 301-432-6669
Address: 2624 Kaetzel Rd
Knoxville, MD 21758

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer

License # and name of individual responsible for the field installation:
Name (Print): Franklin Phillips License# MWD-579

*A licensed individual must perform the actual installation. Apprentices must be under the supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification. Unlicensed individuals may be reported to the appropriate licensing agency.

Name of Property Owner: Keswick Homes, LLC Telephone #: 703-270-1461
Subdivision: Lot #: Well Tag #: HO-94-4198
Site Address: 11216 Kinsale Ct.
Ellicott City, MD 21042

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Franklin Make: Campbell Two piece watertight cap: [checked]
Model #: 10FV154-2W230 Model #: PA 600 Screened, vented well cap:
Pump Capacity 10 GPM Depth: 40" (36" min) Cap secured to casing:
Well Yield: 16 GPM NSF/WSC approved: yes Conduit min 18" B.G.: yes
Depth of well encountered at time of pump installation: 280 (feet) Conduit secured to well cap: yes
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing

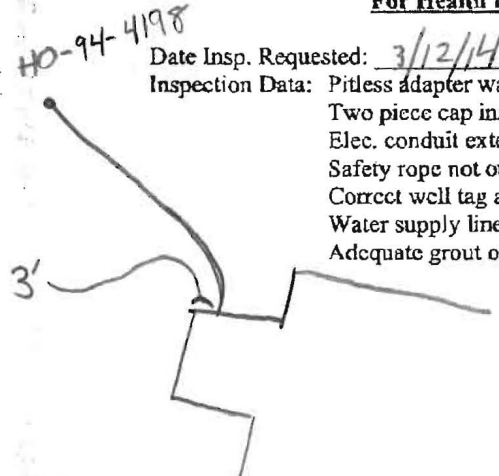
Piping to house House Connection
Type: Black Poly PVC sleeve to undisturbed soil at wall penetration: yes
PSI: 160 (160 psi min) Length of sleeve(5' minimum from foundation): 45'
Depth of supply line: 40" (36" min) Sleeve sealed properly: yes

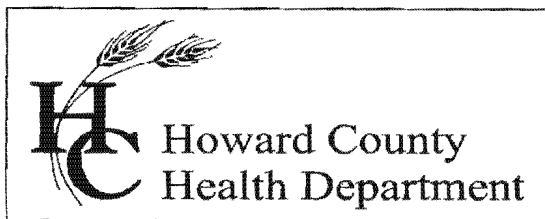
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: Frank Phillips date: 3/12/14

For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 3/12/14 Date Insp. Approved: 3/12/14 Inspector: AG
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade [checked]
Two piece cap installed and attached to casing securely [checked]
Elec. conduit extends at least 18" below grade/attached to cap properly [checked]
Safety rope not outside of well cap/casing [checked]
Correct well tag attached properly and casing 8" above finished grade [checked]
Water supply line sleeved adequately at house connection [checked]
Adequate grout observed below pitless adapter [checked]





Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1771 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – January 24, 2015

July 24, 2014

Homeowner
11216 Kinsale Court
Ellicott City, Maryland

RE: Riverwood, Lot #33
11216 Kinsale Court
Building Permit: B13001457
Well Permit: HO-94-4198

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **7/11/2014**. Final approval of the well line connection to the dwelling was granted on **3/12/2014**. The well construction was completed on **06/02/2005**. Water samples were collected on **06/27/2014**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking.

Gross Alpha and Beta samples were also collected on **7/19/2005**. Results showed a Gross Alpha level of **5.0 ± 2.0 pCi/L** and **Gross Beta** level of **4.0 ± 2.0 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-94-4198. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:

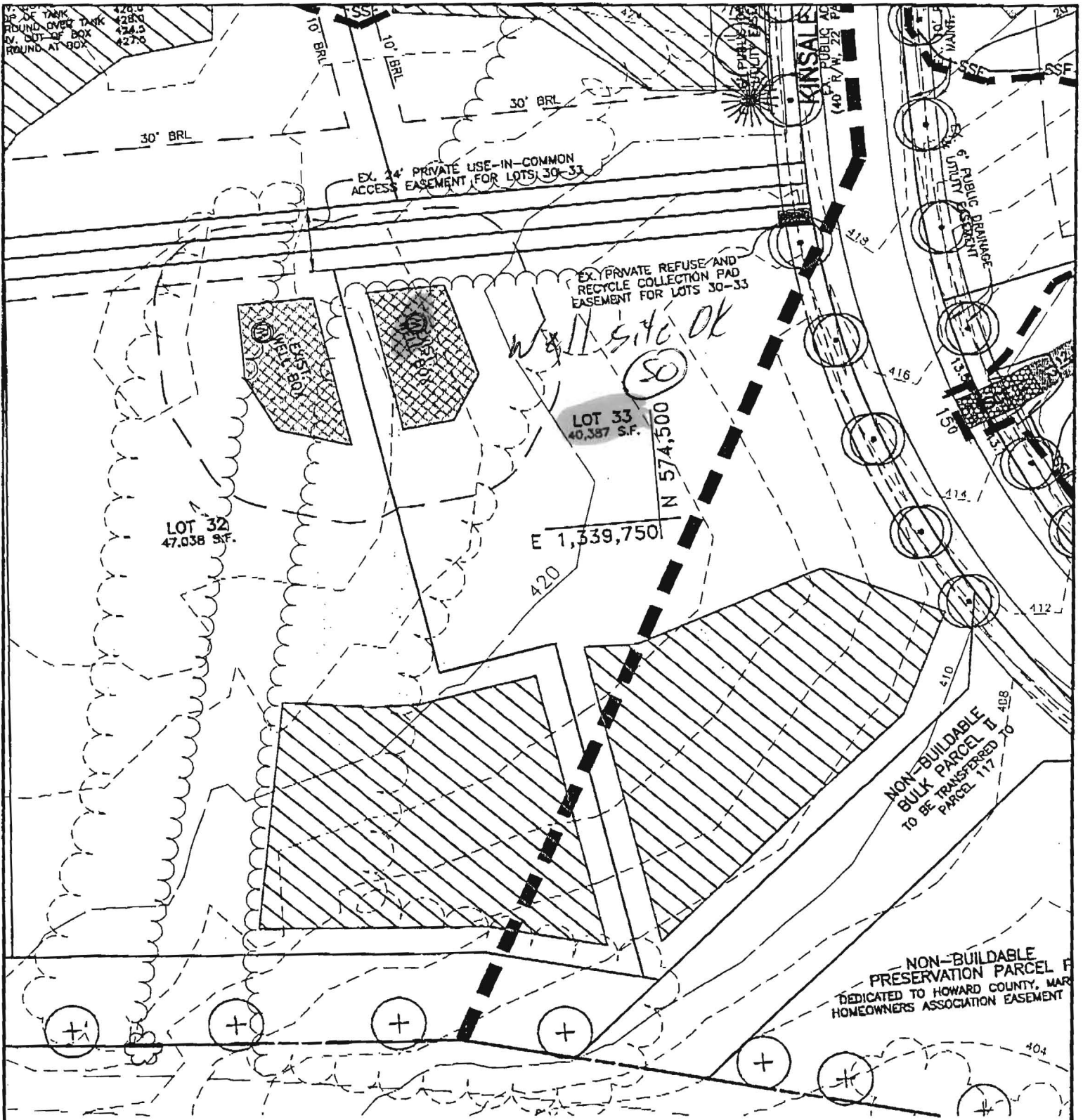
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,



Dana Bernard, R.E.H.S.
Environmental Sanitarian
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File



RIVERWOOD

LOT 33

BENCHMARK

ENGINEERS • LAND SURVEYORS • PLANNERS

ENGINEERING, INC.

8480 BALTIMORE NATIONAL PIKE • SUITE 418 • ELLICOTT CITY, MD 21043

PHONE: 410-465-6105 FAX: 410-465-6644
P:\1132 Homewood\1132091.dwg, Plt, 9/29/2005 11:58:37 AM
Ime: Kyrone Mills KM-2530.KX pc3

THIRD ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE: 1" = 50' DATE: 10/12/04
REVISED: 3/29/05

Send Report To:

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
RADIATION LABORATORY

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

201 W. Preston Street, Baltimore, Maryland 21201
J. Mehser Joseph, Ph.D., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: 4056 ⁴¹⁹⁸ No. B: _____ Field Blank Bottle No. 1: _____ No. 2: _____

Plant/Site Name: Riverwood lot 53 County: Howard

Sample Source: well Location: HO 94 4198
(well no., lab sink, sample tap, etc.)

County: 1 3 Plant No.

Collector: G. Creighton Telephone No.: 410 333 2775

Date Collected: 6/8/05 Time Collected: 10:50 a.m. _____ p.m.

Nitric Acid Preserved: Yes No Iced: Yes No

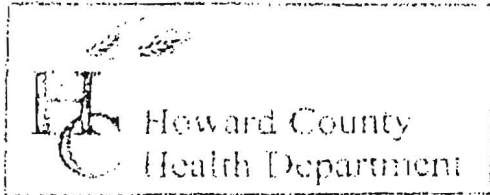
Submitters Code: Federal Project: S Field Data: 6 N/A
pH Chlorine

Remarks: 4 fixed w/ HNO₃ to = 2

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Reported
✓	Gross Alpha	4000	2372	5 ± 2	6/10/05
✓	Gross Beta	4100	2372	4 ± 2	6/10/05
	Radon-222 Bottle A	4004			
	Radon-222 Bottle B	4004			
	Field Blank #1	4004			
	Field Blank #2	4004			
	Tritium				
	Ra - 226	4020			
	Ra - 228	4030			
	Total Uranium	4006			

Date Received: 06/08/05

Section Chief: S. Wise



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6300
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by Engineer Benckmark
 (professional land surveyor or company employing professional land surveyors)
 on 4/11/05 (date) and does not require a site inspection.
- The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

Revised 6/10/03

Riverwood Phase I
 Lots 11, 24-33, 42
 preservation parcel 0



Howard County
Health Department

7178 Columbia Gateway Drive, Columbia, MD 21046

(410) 313-2640 Fax (410) 313-2648

TDD (410) 313-2323 Toll Free 1-866-313-6300

website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

July 19, 2005

Winchester Homes, Inc.
6905 Rockledge Drive, Suite 800
Bethesda, MD 20817

RE: Riverwood Subdivision, lot 33
Kinsale Court

To Whom It May Concern:

Samples were taken from a yield test on June 8, 2005 to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. Gross Alpha and Gross Beta measure the total alpha and beta activity in a water supply. In turn, this can provide information regarding naturally occurring radiation (i.e. Radionuclides) that may exist in your water supply.

Results from this screening revealed a **Gross Alpha** of 5 ± 2 picocuries/liter (pCi/L); while the **Gross Beta** level was 4 ± 2 pCi/L. The **Gross Alpha** result was below the respective maximum contaminant level (MCL) of 15 pCi/L, while the **Gross Beta** was below the MCL of 50 pCi/L.

A copy of the test results is enclosed for your information. Please call this office at (410) 313-1773 if you have any further questions or concerns.

Sincerely,

Bert Nixon, Assistant Director
Bureau of Environmental Health

Eric Dougherty, MDE, Water Mgmt., Groundwater
Well & Septic Property File



TRACE LABORATORIES, INC
 5 North Park Drive
 Hunt Valley, MD 21030 USA
 Telephone: 410/584-9099 / Fax: 410/584-9117
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory #318

CERTIFICATE OF ANALYSIS

Requester:

Keswick Builders
 3201 Jermantown Road, Suite 150
 Fairfax, VA 22030

S/O Number: 93466

Report Date: July 1, 2014

Property Sampled: 11216 Kinsale Court, 21042
Sample Location: Pressure Tank Tap
Residual Chlorine: <0.1 mg/L

Building Permit #: B13001457
Sampler ID #: 7483AM
Samples Iced: Yes

County: Howard

Subdivision: Riverwood Phase 1

Lot #: 33

Date/Time Collected in Field: June 27, 2014 11:07 am

Date/Time Received in Lab: June 27, 2014 3:59 pm

Well Tag #: HO-94-4198

Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: None

PARAMETER	METHOD	MCL/*SMCL	RESULT	COMMENT
Total Coliform	SM 9223B	Absent	Absent	Pass
<i>E. coli</i>	SM 9223B	Absent	Absent	Pass
Nitrate	SM 4500-NO3D	10 mg/L as N	9.4 mg/L as N	Pass
Turbidity	EPA 180.1	10 NTU	<1.0 NTU	Pass
pH (Field)	SM 4500-H ⁺ B	*6.5-8.5 Units	5.5 Units	***
Sand		Absent	Absent	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

*OK
 DS
 7-24-14*

Katherine C. Higgs
 Katherine C. Higgs
 Manager – Drinking Water Testing

MCL: Maximum Contamination Level, an enforceable level established by the EPA
 *SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA
 ***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.

Williams, Jeffrey

From: Bricker, Robert
Sent: Wednesday, November 20, 2013 9:07 AM
To: Davis, Michael J; Williams, Jeffrey
Subject: requested details-FW: 11216 Kinsale Court

Info about emergency egress and SDA is in following text.RB

From: Bruce Burton [mailto:bburton@ldeinc.net]
Sent: Tuesday, November 19, 2013 4:40 PM
To: Bricker, Robert
Subject: Re: 11216 Kinsale Court

Hi Robert,

I received the following from the builder regarding the depth of the window well. The well will be 8" wide concrete and 6' deep. The easement size as recorded on the plat is approximately 10,500 sq. ft. leaving a net area of 10,400 with removal of the 100 sq. ft. window well offset. Let me know if you need any other information.

Thanks Bruce

----- Original Message -----

From: Bricker, Robert
To: Bruce Burton
Sent: Friday, November 15, 2013 2:48 PM
Subject: 11216 Kinsale Court

Bruce,
We need to know how deep is the escape well, and we need to know the area (sq.ft.) of the SDA.

ROBERT BRICKER, CPSS, REHS/RS
ENVIRONMENTAL HEALTH SPECIALIST
DEVELOPMENT COORDINATION SECTION, WELL AND SEPTIC PROGRAM
HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH
8930 STANFORD BOULEVARD
COLUMBIA, MD 21045

410-313-2691; fax, 410-313-2648
rbricker@howardcountymd.gov

CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

Bricker, Robert

From: Bricker, Robert
Sent: Friday, November 01, 2013 3:48 PM
To: 'Bruce Burton'; jmcdonough@keswickhomes.com
Subject: RE: 11216 Kinsale Court-septic system permit On Hold

A waiver is still required. Waiver is to reduce setback distance.
Robert Bricker, REHS/R.S.

From: Bruce Burton [<mailto:bburton@ldeinc.net>]
Sent: Friday, November 01, 2013 1:25 PM
To: Bricker, Robert; jmcdonough@keswickhomes.com
Subject: Re: 11216 Kinsale Court-septic system permit On Hold

Hi Robert,
The bump out area shown on the Foundation Location serves as a window well and an emergency exit from the lower level. The foundation for the main portion of the dwelling will continue straight across. I've marked a plan showing the window well.
Since this area is not an extended living area, do we still need a waiver?
Thanks Bruce

----- Original Message -----

From: Bricker, Robert
To: jmcdonough@keswickhomes.com
Cc: Bruce D. Burton
Sent: Thursday, October 31, 2013 2:17 PM
Subject: 11216 Kinsale Court-septic system permit On Hold

Mr. McDonough,
On October 29, a 'Foundation Location Drawing' for 11216 Kinsale Court was delivered to our office. The drawing illustrates that an extension of the foundation is less than 20 feet from the Sewage Disposal Area (SDA) that serves the property. Due to this violation of code, the Septic System Installation Permit cannot be issued until the violation is resolved.
The original Plot Plan did not show an extension of the foundation. Also there was not a revision submitted to DILP, and there was not an amendment exhibit that illustrates the irregular foundation at the side of the house nearest to the SDA.
I suggest that you submit a Waiver Request to Mike Davis, Asst. Director, Howard County Bureau of Environmental Health. The request is for a waiver to reduce the foundation –to –SDA distance to 16 feet. I do not know for what use this portion of the foundation is intended. Perhaps you can explain that detail in a Waiver Request. Include an exhibit (at an appropriate) with the waiver request that illustrates the reduction of setback distance that you are requesting.

ROBERT BRICKER, CPSS, REHS/RS
ENVIRONMENTAL HEALTH SPECIALIST
DEVELOPMENT COORDINATION SECTION, WELL AND SEPTIC PROGRAM
HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH
8930 STANFORD BOULEVARD
COLUMBIA, MD 21045

410-313-2691; fax, 410-313-2648
rbricker@howardcountymd.gov