

C1 16614 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

PERMIT MUST BE SUBMITTED WITHIN 45-DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER, WELL SITE ADDRESS, TOWN, SUBDIVISION, SECTION, LOT

WELL LOG Not required for driven wells

GROUTING RECORD WELL HAS BEEN GROUTED

PUMPING TEST

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Light Brown Loamy, Sandstone, Dark Brown, Gray Limestone, Brown Sandstone Quartz, Gray Limestone Quartz, Gray Limestone.

TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC

HOURS PUMPED (nearest hour) 03

CASING RECORD casing types insert appropriate code below

BEFORE PUMPING 52 ft. WHEN PUMPING 55 ft.

MAIN CASING TYPE Nominal diameter top (main) casing

TYPE OF PUMP USED (for test) A air, P piston, T turbine, C centrifugal, R rotary, O other, J jet, S submersible

OTHER CASING (if used) diameter inch, depth (feet) from to

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) YES NO

SCREEN RECORD screen type or open hole

TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29.

NUMBER OF UNSUCCESSFUL WELLS: 0

DEPTH (nearest ft.)

PUMP COLUMN LENGTH (nearest ft.)

WELL HYDROFRACTURED

DEPTH (nearest ft.)

CASING HEIGHT (circle appropriate box and enter casing height)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED

DEPTH (nearest ft.)

LAND SURFACE below 01 (nearest foot)

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION"

SLOT SIZE 1 2 3

LATITUDE 3 91703262 LONGITUDE 76.95100097

DRILLERS LIC. NO. 1 M SD 009

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL

NOTES:

DRILLERS SIGNATURE

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)

SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

TELESCOPE CASING LOG INDICATOR OTHER DATA

B 1 09320

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HD 95 - 2438

fill in this form completely

Date Received (APA) 11/2/12

OWNER INFORMATION

Goodier Baker Homes 10751 Falls RD suite 405 Lutherville, MD 21093

LOCATION OF WELL

Howard County School Mill Farm Highland

DRILLER INFORMATION

Allen Compton MS D0099 Eagles Well Drilling, LLC PO. Box 202 Woodbine MD Allen Compton 9-5-12

SOURCES OF DRILLING WATER

Hall Shop RD ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: 40

WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 500 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 OPEN LOOP GEOTHERMAL CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A525118 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 11/20/2012 CO SIGNATURE EXP. DATE 11/20/13

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVERSE-ROTary Drive-POINT

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

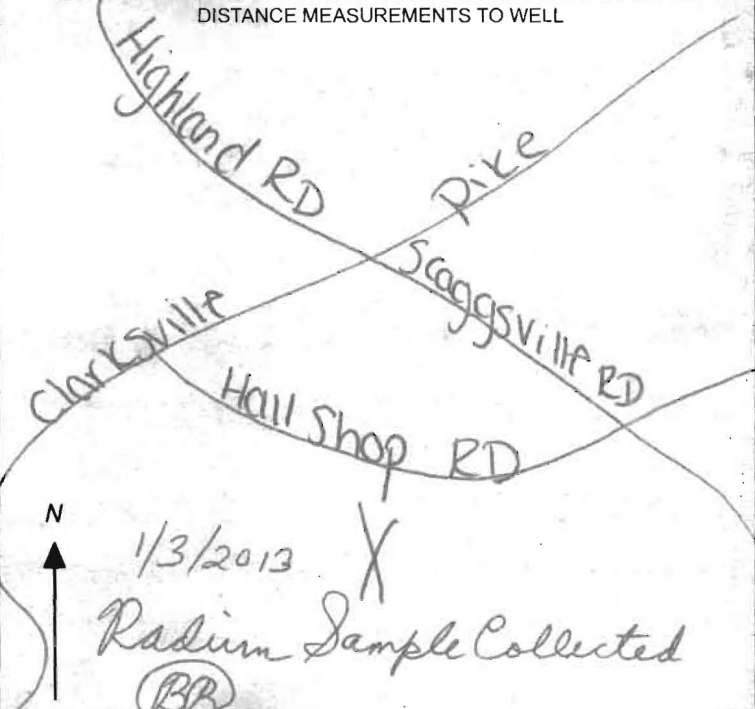
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

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

APPROP. PERMIT NUMBER G

PERMIT No. HD 95 - 2438

PROPOSED LOCATION OF WELL ON LOT SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Radium Sample required at yield test

# Yield Test Data Sheet

County File # \_\_\_\_\_

MD Well Permit #: CL-HO-95-2438

Subdivision Name: Schooley Mill Farm

Section: \_\_\_\_\_ Lot #: 3

Street Address: Hall Shop rd.

Measuring Point (MP) Description: Top of casing  
(for ex. "Top of casing")

Distance from MP to ground surface: 1 ft.

Well Depth: 100 ft.

Well Driller: Fogles

Must be submitted with the State of Maryland Well Completion Report

Submit to: Carroll County Health Department  
Bureau of Environmental Health  
P.O. Box 845  
Westminster, MD 21158  
410-876-1884, 410-857-5009  
410-875-3385

**NOTES:**

Enable

Pump Start Time:	Static Water level:	PUMPING RATE	Calculated Flow (gallons per minute)	
<u>9:30</u>	<u>52</u> ft.	( ) Time to fill <u>1</u> gal. bucket	<u>20</u>	
Time	Water Level Below M.P.	( ) Flow meter reading (if used)		
<b>Water level and pumping rate must be recorded every 15 minutes</b>				
1	9:30	52 ft.	3	20 GPM
2	9:45	55 ft.	6	10 GPM
3	10:00	55 ft.	6	10 GPM
4	10:15	55 ft.	6	10 GPM
5	10:30	55 ft.	6	10 GPM
6	10:45	55 ft.	6	10 GPM
7	11:00	55 ft.	6	10 GPM
8	11:15	55 ft.	6	10 GPM
9	11:30	55 ft.	6	10 GPM
10	11:45	55 ft.	6	10 GPM
11	12:00	55 ft.	6	10 GPM
12	12:15	55 ft.	6	10 GPM
13	12:30	55 ft.	6	10 GPM
14	12:45	55 ft.	6	10 GPM
15	1:00	55 ft.	6	10 GPM
16		ft.		GPM
17		ft.		GPM
18		ft.		GPM
19		ft.		GPM
20		ft.		GPM
21		ft.		GPM
22		ft.		GPM
23		ft.		GPM
24		ft.		GPM
25		ft.		GPM
26		ft.		GPM
27		ft.		GPM
28		ft.		GPM
29		ft.		GPM
30		ft.		GPM

**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: Robert L. Feezer Co. Telephone #: 410-781-4655  
Address: 6321 Barnett Avenue  
Sykesville, MD 21784

(**Must circle one**) Licensed Plumber      Licensed Well Driller      Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): Robert L. Feezer License# 2122

**\*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: NV Homes Telephone #: 410-379-5956  
Subdivision: Schooley Mill Farm Lot #: 3 Well Tag #: HO - 95 - 2438  
Site Address: 13007 Highgrove Road  
Highland, MD 20777

**Submersible Pump Data**

Make: Berkeley  
Model #: B7P4MS07221  
Pump Capacity 7 GPM  
Well Yield: 10 GPM

**Pitless Adapter**

Make: Boshart  
Model#: P-100-SS  
Depth: 42" (36" min)  
NSF/WSC approved: Yes

**Well Cap and Electric Conduit**

Two piece watertight cap: Yes  
Screened, vented well cap: Yes  
Cap secured to casing: Yes  
Conduit min 18" B.G.: Yes  
Conduit secured to well cap: Yes

Depth of well encountered at time of pump installation: 100 (feet)  
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 N/A**

**Piping to house**

Type: Poly  
PSI: 200 (160 psi min)  
Depth of supply line: 42" (36" min)

**House Connection**

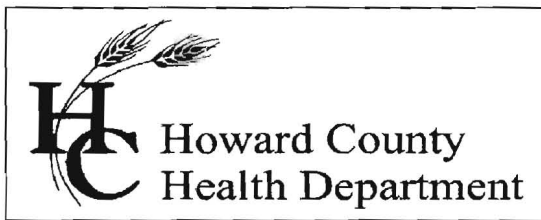
PVC sleeve to undisturbed soil at wall penetration: Yes  
Length of sleeve (5' minimum from foundation): 10'  
Sleeve sealed properly: Yes

**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.**

Robert L. Feezer      July 17, 2014  
Signature of company representative responsible for installation      date

**For Health Department Use Only – Not to be completed by Installer**

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: 10/20/2014 Inspector: BB  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade   
Two piece cap installed and attached to casing securely   
Elec. conduit extends at least 18" below grade/attached to cap properly   
Safety rope not outside of well cap/casing   
Correct well tag attached properly and casing 8" above finished grade   
Water supply line sleeved adequately at house connection   
Adequate grout observed below pitless adapter



## 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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

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### INTERIM CERTIFICATE OF POTABILITY

Expiration Date – June 19, 2015

December 19, 2014

Homeowner  
13007 High Grove Road  
Highland, MD 20777

**RE: Schooley Mill Farm, Lot # 3**  
**13007 High Grove Road**  
**Building Permit: B14002761**  
**Well Permit: HO-95-2438**

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 **12/18/2014**. Final approval of the well line connection to the dwelling was granted on **10/20/2014**. The well construction was completed on **12/27/2012**. Water samples were collected on **1/13/2013 and 11/21/2014**.

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 **1/13/2013**. Results showed a Gross Alpha level of  **$<2.7 \pm 1.4$  pCi/L** and **Gross Beta level of  $9.0 \pm 2.1$  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-95-2438. 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,

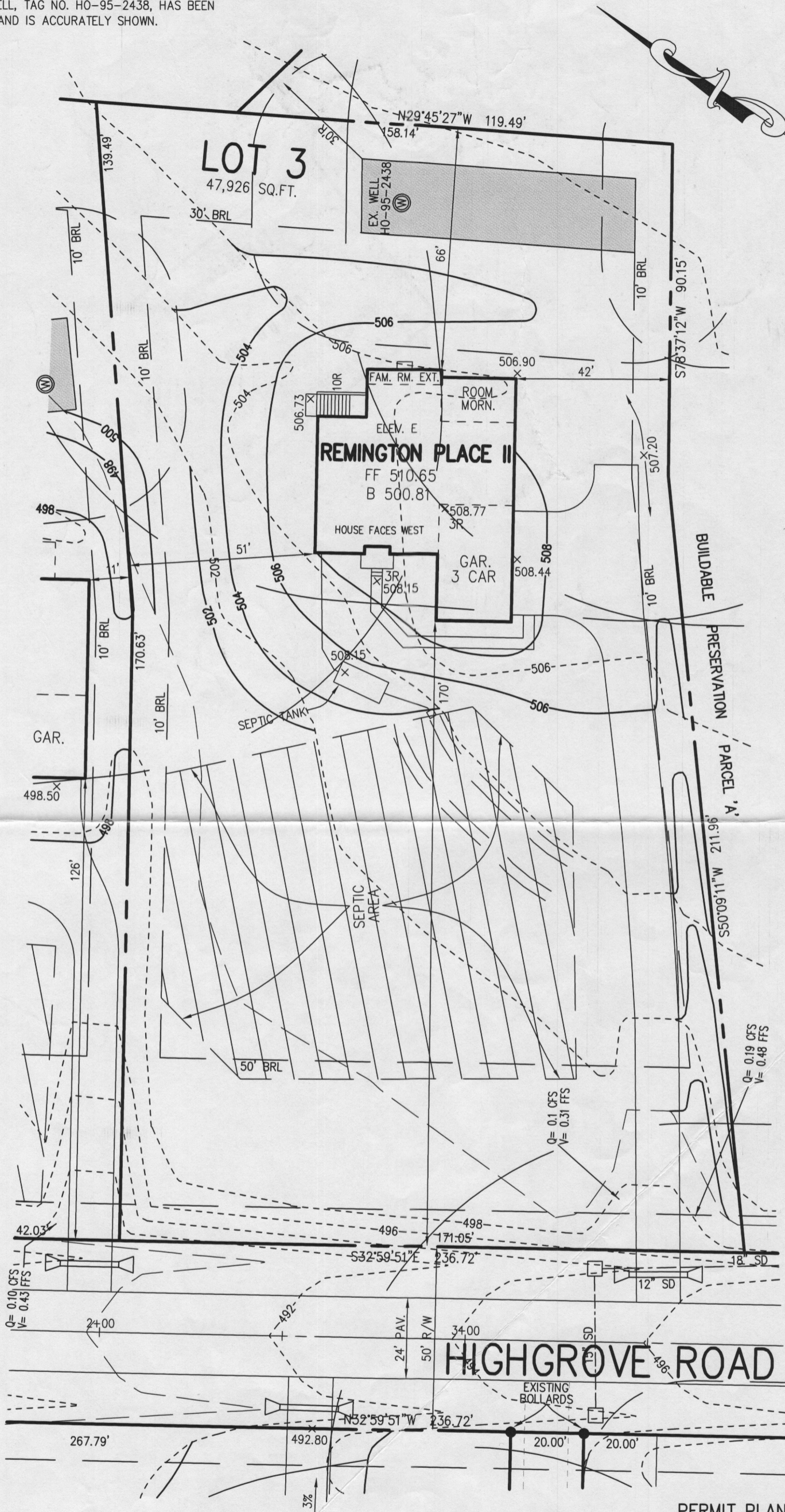
*Hank Oswald*

Hank Oswald, L.E.H.S.  
Environmental Sanitarian  
Well & Septic Program

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

**WELL CERTIFICATION:**

THE EXISTING WELL, TAG NO. HO-95-2438, HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.



**PERMIT PLAN  
LOT 3  
SCHOOLEY MILL FARM**

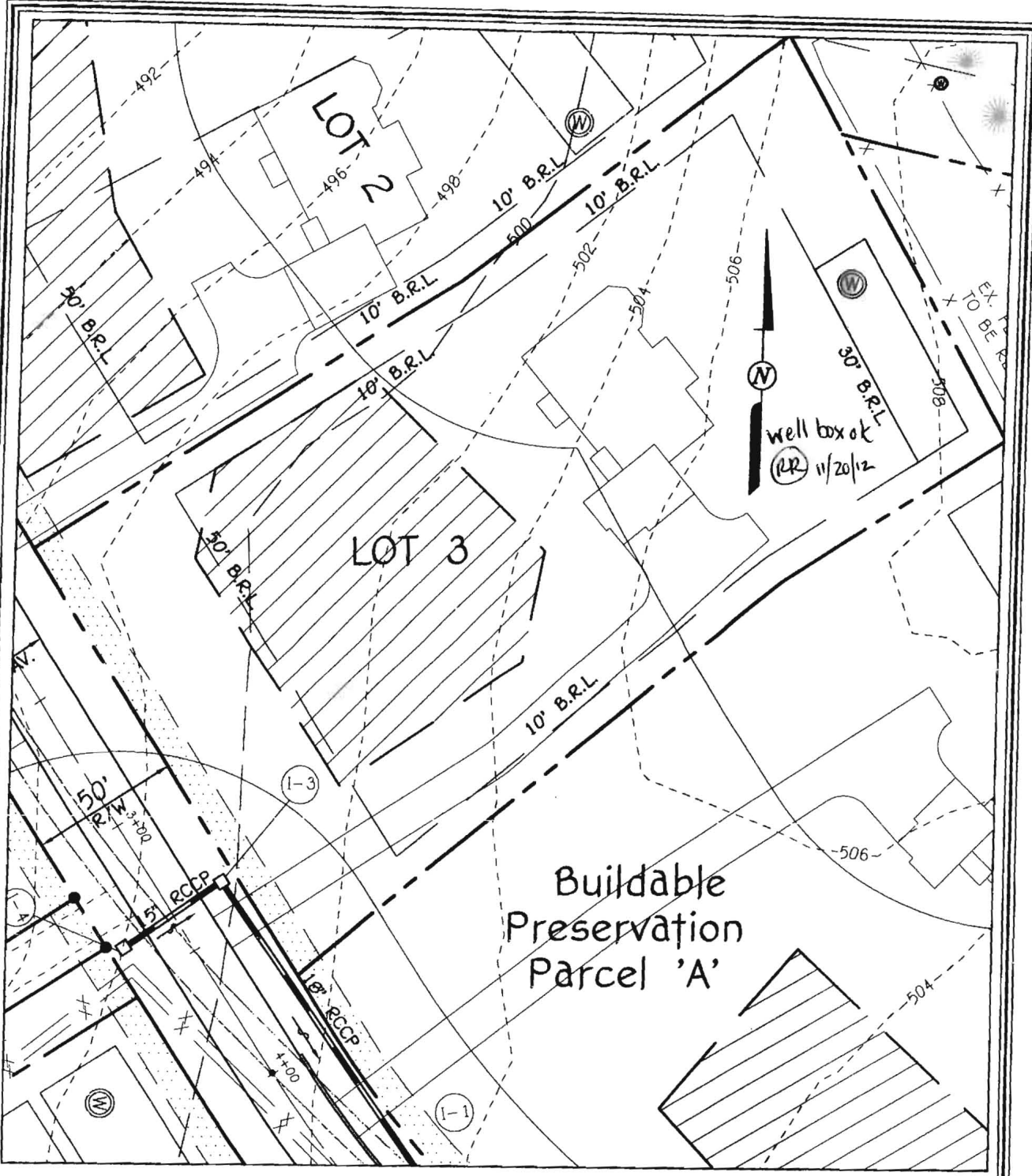
13007 HIGHGROVE ROAD  
ZONED: R-ED

TAX MAP NO.: 40 PARCEL NO.: 115 & 149 GRID NO.: 10 & 14  
5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: JULY 24, 2014

**FISHER, COLLINS & CARTER, INC.**  
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
ELLCOTT CITY, MARYLAND 21042  
(410) 461 - 2855

\\www\jinal\0503\well maps.dwg, LOT 3, 9/26/2012 2:20:59 PM, 1:1



**WELL LOCATION INFORMATION:**

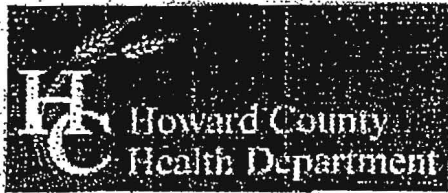
NORTHING = 547,608.4709      EASTING = 1,324,528.1231  
 LATITUDE = N39°10'13.03"      LONGITUDE = W76°57'25.19"

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELICOTT CITY, MARYLAND 21042  
 (410) 461 - 2955

**LOT 3 WELL MAP**  
**SCHOOLEY MILL FARM**

BUILDABLE LOTS 1 - 11,  
 BUILDABLE PRESERVATION PARCEL 'A' &  
 NON-BUILDABLE PRESERVATION PARCELS 'B' - 'D'

ZONED: RR-DEO  
 TAX MAP 40, GRID 10 & 11, PARCEL 115 & 149  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 SCALE: 1" = 50'      DATE: SEPT. 26, 2012  
 SHEET 3 OF 12



Bureau of Environmental Health  
 7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
 (410) 313-2640 Fax (410) 313-2646  
 TDD (410) 313-3323 Toll Free 1-866-313-6300  
 website: www.hchealth.org

Peter L. Beilenson, 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:

Well Site Location:  
Schooly Mill Farm 3 Hallshop RD  
 Subdivision/Property Name Lot# Road Name

- The well site has been staked by Fisher Collins + Porter INC  
 (professional land surveyor or company employing professional land surveyors)  
 on 8/20/12 (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 3/11/05



**Bureau of Environmental Health**

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

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

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](http://www.facebook.com/hocohealth)

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

February 15, 2013

**Goodier Baker Homes  
10751 Falls Road  
Lutherville, Maryland 21093**

**RE: Schooley Mill Farm Lot 3  
Hall Shop Road  
Well Tag: HO - 95 - 2438**

To Whom it May Concern:

A sample was collected during a yield test on January 3, 2013 and submitted to the Department of Health & Mental Hygiene Laboratories 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 particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of  $2.7 \pm 1.4$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $9.0 \pm 2.1$  pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply meets EPA regulatory standards. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. **Please note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy.

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.

Sincerely,

A handwritten signature in black ink that reads 'Bert Nixon'.

Bert Nixon, Director  
Bureau of Environmental Health

Enclosure

cc: Barry Glotfelty, MDE Water Mgmt.  
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:**

Robert L. Feezer Company  
 Attn: Rick Cross  
 6321 Barnett Avenue  
 Sykesville, Maryland 21784

**S/O Number:** 96573

**Report Date:** November 24, 2014

**Property Sampled:** 13007 Highgrove Road, 20777  
**Sample Location:** Pressure Tank Tap  
**Residual Chlorine:** <0.1 mg/L

**Building Permit #:** B14002761  
**Sampler ID #:** 7483AM  
**Samples Iced:** Yes

**County:** Howard

**Subdivision:** Schooley Mill Farm

**Lot #:** 3

**Date/Time Collected in Field:** November 21, 2014 10:26 am

**Date/Time Received in Lab:** November 21, 2014 3:34 pm

**Well Tag #:** HO-95-2438

**Well Condition:** 2-Piece Cap, Satisfactory

**Water Treatment/Conditioning:** N/A – Raw Sample

PARAMETER	METHOD	MCL/*SMCL	RESULT	COMMENT
✓ Total Coliform	SM 9223B	Absent	Absent	Pass
✓ E. coli	SM 9223B	Absent	Absent	Pass
✓ Nitrate	SM 4500-NO3D	10 mg/L as N	5.5 mg/L as N	Pass
✓ Turbidity	EPA 180.1	10 NTU	<1.0 NTU	Pass
pH (Field)	SM 4500-H <sup>+</sup> B	*6.5-8.5 Units	6.6 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.

*Per-Hr Good -  
 H.O., 12/19/14*

*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.

Send Report To: Bert Nixon

Howard Co. Env. Health

7178 Columbia Gateway Dr.

Columbia, MD 21046

State of Maryland  
DHMH - Laboratories Administration  
Division of Environmental Chemistry  
**RADIATION LABORATORY**  
201 W. Preston Street, Baltimore, Maryland 21201  
John M. DeBoy, Dr. P. H., Director

**LABORATORY ANALYSIS REQUEST**

Sample Bottle No. A: 952438BB No. B: \_\_\_\_\_ Field Blank Bottle No. 1: 123 No B: \_\_\_\_\_

Plant/Site Name: Schooley Mill Farm-Lot 3 County: Howard

Sample Source: Hall Shop Rd. Location: HO-95-2438  
(well no, lab sink, sample tap, etc.)

County:  1  3 Plant No.

CHECK (one per box)

Drinking Water   
Landfill   
Stream   
Other

Community   
Non-community   
Private   
Other

Source (raw water)   
Distribution (treated)   
MCL

Emergency   
Routine   
Recheck   
Special

Collector: B. Baker

Telephone No.: (410) 313-2643

Date Collected: 1/31/2013

Time Collected: 10:00 a.m. \_\_\_\_\_ p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Submitters Code:  Federal Project:

Field Data: \_\_\_\_\_  
pH \_\_\_\_\_ Chlorine \_\_\_\_\_

Remarks: Sample Collected During Yield Test

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000				
✓	Gross Beta	4100				
	Radon-222 Bottle A	4004				
	Radon-222 Bottle B	4004				
	Field Blank #A	4004				
	Field Blank #B	4004				
	Tritium					
	Ra - 226	4020				
	Ra - 228	4030				
	Total Uranium	4006				

Date Received: \_\_\_/\_\_\_/\_\_\_

Supervisor: \_\_\_\_\_

•Tel. No.: (410) 767 - 5537 •Fax No: (410) 333- 5373