

B 1 14929

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-2378

fill in this form completely

5380352 please type

Date Received (APA)

09/12/12

OWNER INFORMATION

8 MM DD YY 13

Land Marketing Consultants

15 Last Name Owner First Name 34

PO Box 482

36 Street or RFD 55

Lisbon MD 21765

57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

Howard COUNTY 21

Walnut Creek

23 SUBDIVISION 42

SECTION 44 46 LOT 47 48 50

Clarksville MD

52 NEAREST TOWN 71

DRILLER INFORMATION

Ralph Maywe M SD 117

Driller's Name 76 License No. 81

Ralph Maywe Well Drilling

Firm Name

17024 Handy Rd Mt Airy MD 21771

Address

Signature Date 4/14/12

B 4

SOURCES OF DRILLING WATER

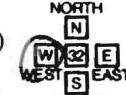
1. well

2.

3.

ASHLEIGH DR. STREET ADDRESS 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 245 37 925

DISTANCE FROM ROAD

ENTER FT OR MI 38 39

TAX MAP: 28 BLK: 11 PARCEL 49

B 2

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.)

5 8 500 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

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 COUNTY NAME A520385 COUNTY NO. 13 A520448

STATE SIGNATURE INSERT S 41

DATE ISSUED 09/12/2012 CO SIGNATURE R. [Signature] EXP. DATE 9/12/13

APPROXIMATE DEPTH OF WELL 150 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6" NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)

37 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

39  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 52

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

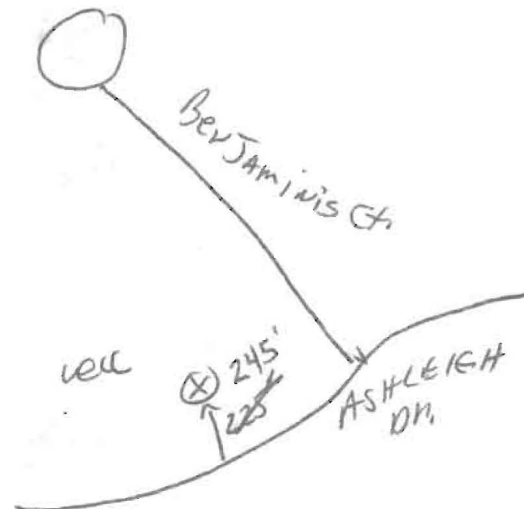
APPROX. PERMIT NUMBER HO2006G020

PERMIT No. HO-95-2378

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

Radium Sample required at yield test/all wells must be at least 100' apart



C1 08170

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT 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 4520 385 4520 448

ST/CO USE ONLY DATE RECEIVED 09-28-12 DATE WELL COMPLETED 09-25-12 DEPTH OF WELL 145 PERMIT NO. 140-95-2378

OWNER Land Marketing Con Sultants WELL SITE ADDRESS ASHLEIGH DR. TOWN CLARKSVILLE MD SUBDIVISION WALNUT CREEK SECTION LOT 47

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, CLAY, Sand Stone, White MICKA, and Sand Stone.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM), NO. OF BAGS 19, NO. OF POUNDS 1900, GALLONS OF WATER 114, DEPTH OF GROUT SEAL 8 ft.

CASING RECORD: MAIN CASING TYPE PL, Nominal diameter 6 inch, Total depth of main casing 54 feet.

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to. Includes entry for PL 4 inch, 145 to 6 feet.

SCREEN RECORD: screen type or open hole HO (OPEN HOLE), insert appropriate code below.

DEPTH (nearest ft.) table with columns 1-21. Includes entries for HO 52, 145.

SLOT SIZE 1 1/8, 2, 3; DIAMETER OF SCREEN 4 inch (NEAREST INCH).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68; MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER).

PUMPING TEST: HOURS PUMPED 3, PUMPING RATE 15 gal. per min., METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL 19 ft. before, 21 ft. when pumping.

PUMP INSTALLED: DRILLER INSTALLED PUMP YES NO, TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE 31, PUMP HORSE POWER 37, PUMP COLUMN LENGTH 41, CASING HEIGHT 43, LAND SURFACE 2 (nearest foot).

LATITUDE 39.14.292, LONGITUDE 76.56.897 (DEFAULT COORD. WGS 84), NOTES:

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED Y.

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT.

DRILLERS LIC. NO. 1 M SD 113; DRILLERS SIGNATURE; LIC. NO. D.

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



**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 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: National Watersvc Telephone #: 301-854-1201  
Address: P.O. Box 138  
Ashton, MD 20861

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

License # and name of individual responsible for the field installation:  
Name (Print): David Rycke License# PI 0145

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: Winchester Homes Telephone #: 301-803-4447-854-1333  
Subdivision: Walnut Creek Lot #: 47 Well Tag #: HO-95-2378  
Site Address: 12154 Mayland Farm Way  
Ellicott City, MD 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Grundfos</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: _____	Model#: <u>PA 800</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>7</u> GPM	Depth: <u>48"</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>15</u> GPM	NSF approved: <u>Yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>45</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4		
Torque arrestors or Cable guards are required - Must circle one		
Safety rope, if used, attached to inside of well casing with eye bolt <u>N/A</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</u>	PVC sleeved to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>5'</u>
Depth of supply line: <u>4'</u> (36" min)	Sleeve caulked and sealed properly: <u>Yes</u>

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.

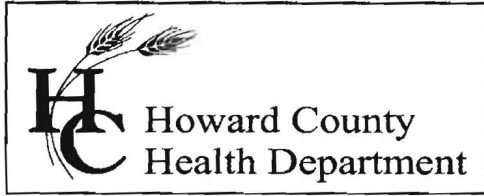
Signature of company representative responsible for installation \_\_\_\_\_ date 12-20-13

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

Date Insp. Requested: 12/20/13 Date Insp. Approved: 12/20/13 (RR)

Inspection Data:

Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/>
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/>
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/>



Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
Main: 410-313-6300 | Fax: 410-313-6303  
TDD 410-313-2323 | Toll Free 1-866-313-6300  
[www.hchealth.org](http://www.hchealth.org)  
Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)  
Twitter: HowardCoHealthDep

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

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**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – October 15, 2014**

April 15, 2014

Homeowner  
12154 Hayland Farm Way  
Ellicott City, Maryland 21042

**RE: Walnut Creek, Lot #47  
12154 Hayland Farm Way  
Building Permit: B13003729  
Well Permit: HO-95-2378**

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 **4/11/2014**. Final approval of the well line connection to the dwelling was granted on **12/20/2013**. The well construction was completed on **09/25/2012**. Water samples were collected on **3/28/2014**.

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 **09/25/2012**. Results showed a Gross Alpha level of  $<2.0 \pm 0.0$  pCi/L and **Gross Beta** level of  $<4.0 \pm 0.0$  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-95-2378. 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,

A handwritten signature in cursive script that reads "Dana Bernard".

Dana Bernard  
Environmental Sanitarian  
Well & Septic Program

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

Send Report To:

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

E000641 826<sup>2</sup>

**LABORATORY ANALYSIS REQUEST**

Sample Bottle No. A: HOKW2378 No. B:      Field Blank Bottle No. 1: FBKW9251<sup>2</sup> No B:     

Plant/Site Name: Wolant Creek - lot 47 County: Howard

Sample Source: Ashleigh Dr. Location: HO-95-2378  
(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: K Wolf

Telephone No.: 410-917-2645

Date Collected: 9/25/12 <sup>Cont</sup>

Time Collected:      a.m. 12:30 p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Submitters Code:

Federal Project:

Field Data:      pH      Chlorine

Remarks: pH preserved to 2.0

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	0641	<2.0	09/27/12	09/28/12
✓	Gross Beta	4100	0641	<4.0	"	"
	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: 09/26/12

Supervisor: [Signature]

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

Send Report To:

Bert Nider

Howard County Health Department  
Bureau of Environmental Health  
7178 Columbia Gateway Drive  
Columbia, Maryland 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: HOKW2378 No. B: — Field Blank Bottle No. 1: FBKW92572 No B: —

Plant/Site Name: Walnut Creek - lot 47 County: Howard

Sample Source: Ashleigh Dr. Location: H0-95-2378  
(well no, lab sink, sample tap, etc.)

County:  1  3 Plant No.

CHECK (one per box)

Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Community	<input type="checkbox"/>
Non-community	<input type="checkbox"/>
Private	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Source (raw water)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Emergency	<input type="checkbox"/>
Routine	<input checked="" type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Collector: K Wolf

Telephone No.: 410-317-2645

Date Collected: 9/25/12

Time Collected: \_\_\_\_\_ a.m. 12:30 p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Submitters Code:

Federal Project:

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

Remarks: pH preserved to < 2.0

✓	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

Send Report To:

Bert Nixon

Howard County Health Department  
Bureau of Environmental Health  
7178 Columbia Gateway Drive  
Columbia, Maryland 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: — No. B: — Field Blank Bottle No. 1: FBKW92512 No B: —

Plant/Site Name: HCHD County: Howard

Sample Source: Distilled H<sub>2</sub>O Location: Lab  
(well no, lab sink, sample tap, etc.)

County:  1  3 Plant No.

CHECK (one per box)

Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Community	<input type="checkbox"/>
Non-community	<input type="checkbox"/>
Private	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Source (raw water)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Emergency	<input type="checkbox"/>
Routine	<input checked="" type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Collector: K. Wolf

Telephone No.: 410 313 2645

Date Collected: 9/25/12

Time Collected: — a.m. 4:00 p.m.

Nitric Acid Preserved: Yes  No

Iced: Yes  No

Submitters Code:

Federal Project:

Field Data: — pH — Chlorine

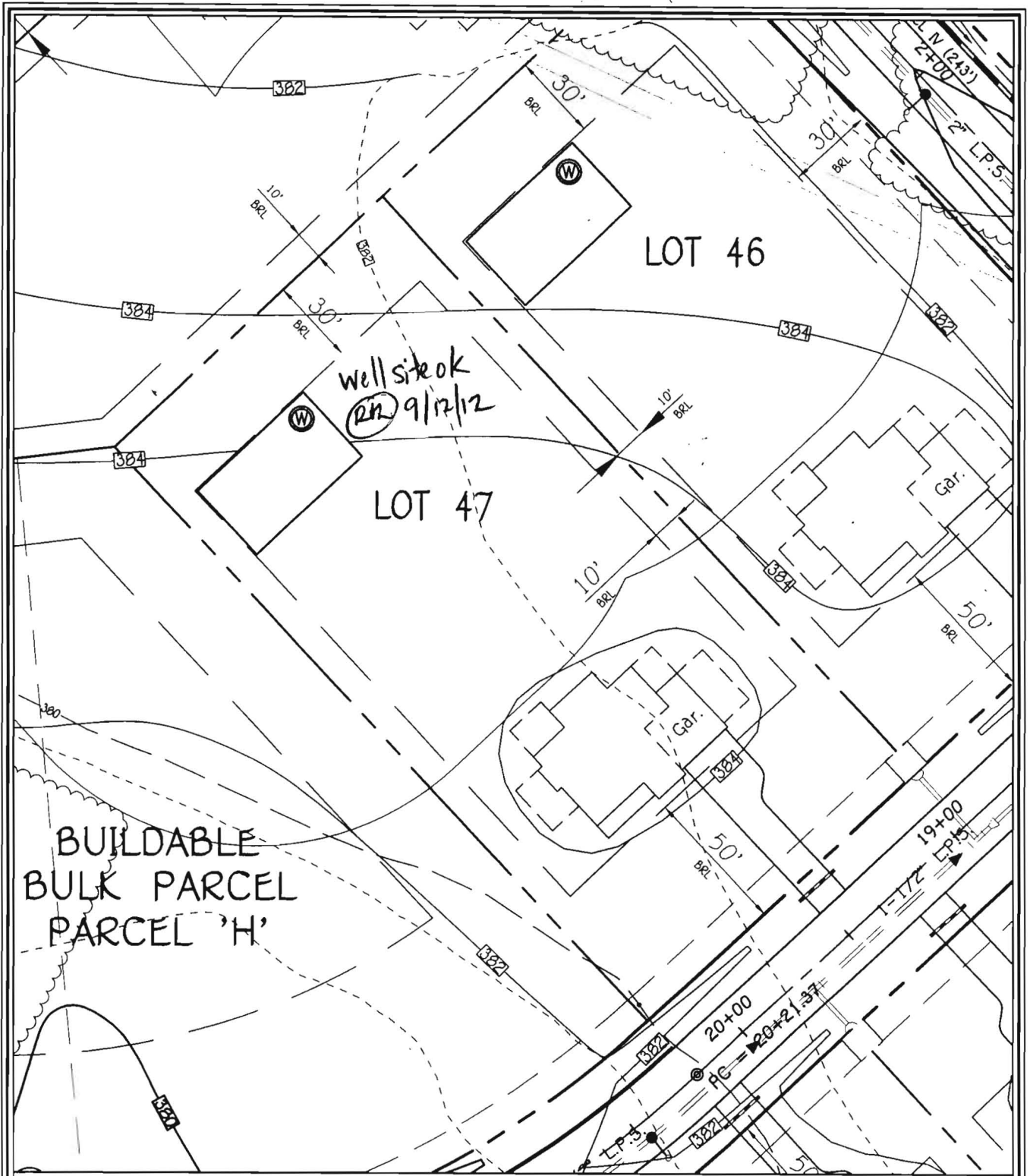
Remarks: Gross  $\alpha$ ,  $\beta$  field blank

✓	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

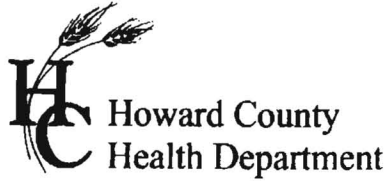


**WELL LOCATION INFORMATION:**  
 NORTHING = 572,328.96 EASTING = 1,327,000.49  
 LATITUDE = N39°14'17" LONGITUDE = W76°56'54"

**LOT 47 WELL MAP  
 WALNUT CREEK  
 PHASE TWO**

Lots 23 - 68, Non-Buildable Preservation Parcels  
 'C', 'G', 'T', 'K', 'L' And 'M', Buildable Bulk Parcels 'E' And 'H'  
 & Non-Buildable Parcel 'J'  
 ZONED: RC-DEO & RR-DEO  
 TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49  
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
 DATE: AUGUST 30, 2012 SCALE: 1"=50'

**FISHER, COLLINS & CARTER, INC.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE  
 ELLICOTT CITY, MARYLAND 21042  
 (410) 461 - 2855



7178 Columbia Gateway Dr., Columbia, MD 21046  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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Peter L. Bielensohn, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

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

Well Site Location:

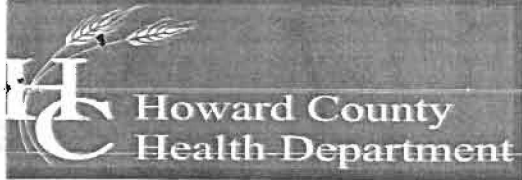
<u>Walnut Creek</u>	<u>47</u>	<u>Ashleigh Drive</u>
<b>Subdivision/Property Name</b>	<b>Lot #</b>	<b>Road Name</b>

The well site has been staked by Fisher, Collins, and Carter, Inc.,  
(professional land surveyor or company employing professional land surveyors)  
on 04/22/12 (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 3/11/07



**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

Facebook: www.facebook.com/hocohealth

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

December 21, 2012

**Bassler Venture  
Attn. Tim Feaga  
15950 North Avenue, P.O. Box 482  
Lisbon, Maryland 21765**

**RE: Walnut Creek Lot 47  
Ashleigh Drive  
Well Tag: HO - 95 - 2378**

Dear Mr. Feaga:

A sample was collected during a yield test on September 25, 2012 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  $< 2.0 \pm 0.0$  picocuries/liter (pCi/L), while the **Gross Beta** level was  $< 4.0 \pm 0.0$  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,

Bert Nixon, Director  
Bureau of Environmental Health

Enclosure

cc: Barry Glotfelty, MDE Water Mgmt.  
Well & Septic property file

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

## REPORT OF ANALYSIS

Laboratory ID #: 93580 Account #: 3123  
Reference: Walnut Creek Lot 47 Company: National Water Servicing  
Location: 12154 Hayland Farm Way Requested By: Dave Rycke  
Ellicott City, MD 21042 Source: Well Water  
Date/ Time Collected: 3/28/2014 0935 Site: Pressure Tank  
Date/Time Rec'd: 3/28/2014 1440 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.9  
Collected By: R. Ott 4269RO Well #: HO-95-2378

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0 ✓	SM18 9223	3/29/2014 / 1000 / CCH
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0 ✓	SM18 9223	3/29/2014 / 1000 / CCH
Nitrate	2.91	mg/L	10 ✓	601	3/28/2014 / 1600 / CCH
Turbidity	0.57	NTU	<10 ✓	SM18 2130B	3/28/2014 / 1630 / CCH
Sand	NS	mg/L	5 ✓	Visual/Gravimetric	3/28/2014 / 1630 / CCH

OK  
DB  
4-15-14  
BB

### NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND:None Detected
- 7 pH & Chlorine level tested on site
- 8 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B13003729

Date Reported: 3/31/2014