

B 1 14932 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 538031-B STATE PERMIT NUMBER HO-95-2350
 1 2 3 6 70 fill in this form completely 79

Date Received (APA) 080612 OWNER INFORMATION
 8 MM DD YY 13
Land Marketing Consultants
 15 Last Name Owner First Name 34
P O BOX 482
 36 Street or RFD 55
Lis Bow MD 21265
 57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
 8 COUNTY 21
Walnut Creek
 23 SUBDIVISION 42
 SECTION 44 46 LOT 50 48 50
CLARKSVILLE
 52 NEAREST TOWN 71

DRILLER INFORMATION
Ralph E Mayne MSD 112
 Driller's Name 76 License No. 81
Ralph Mayne Well Drilling
 Firm Name
17024 Handy Rd Mt Airy MD 21201
 Address
[Signature] 4/14/12
 Signature Date

B 4 SOURCES OF DRILLING WATER
 1. well
 2.
 3.
Hayland Farm Way
ASHLEIGH DR.
 11 STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH
 WEST EAST
 SOUTH
 34 200 37
 DISTANCE FROM ROAD
 ENTER FT OR MI ft 38 39
 TAX MAP: 28 BLK: 11 PARCEL 49

B 2 WELL INFORMATION
 APPROX. PUMPING RATE 5
 (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED 500
 (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 A520385 13
 COUNTY NAME COUNTY NO.
A520448
 STATE SIGNATURE INSERT S → 41
08/15/12 [Signature] 8/15/13
 43 MM DD YY 48 CD SIGNATURE EXP. DATE

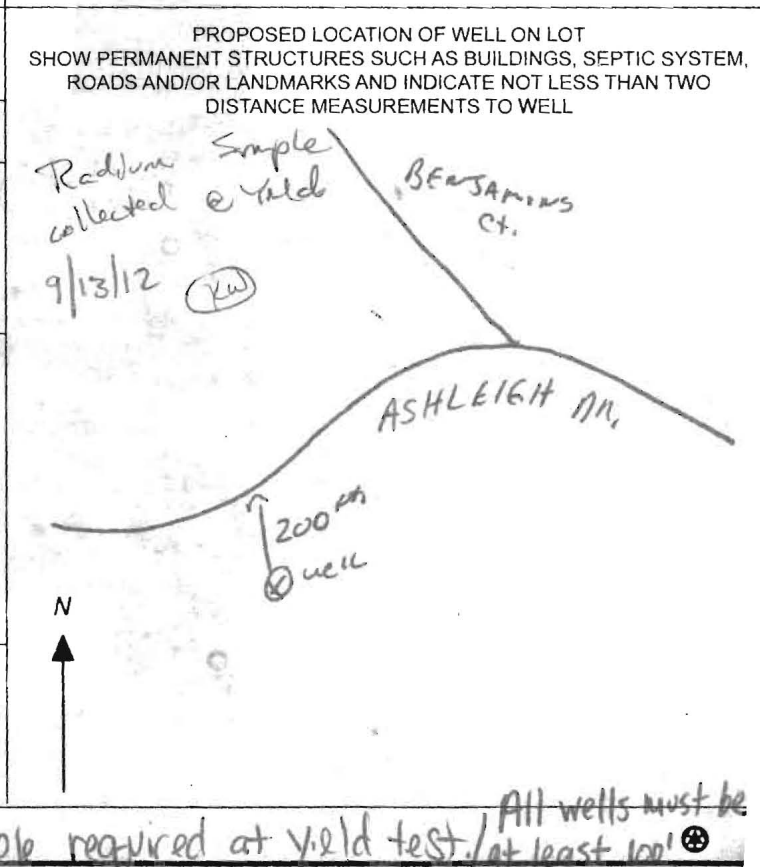
APPROXIMATE DEPTH OF WELL 150 FEET
 24 28
 APPROXIMATE DIAMETER OF WELL 64 INCH
 NEAREST

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 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
 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)
 APPROP. PERMIT NUMBER HO2006G020
 PERMIT No. HO-95-2350
 70 71 72 73 74 75 76 77 78 79

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: Tri-Country Pump Service Inc Telephone #: 301-831-8331
Address: 6711 Old Wicomico Rd
Beesboro, Md 21713

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): William E. Griffith License# 70135

*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: Craftmark Homes Telephone #: 703-932-0573
Subdivision: Walnut Creek Lot #: 50 Well Tag #: HO-95-2358
Site Address: 12116 Highland Farm Way
Ellicott City

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Sta-Rite Make: American Conby Two piece watertight cap: Y
Model #: S1744S05221 Model #: PT 800 Screened, vented well cap: Y
Pump Capacity 7 GPM Depth: 36 (36" min) Cap secured to casing: Y
Well Yield: 20 GPM NSF/WSC approved: Conduit min 18" B.G.: Y
Depth of well encountered at time of pump installation: 185 (feet) Conduit secured to well cap: Y
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

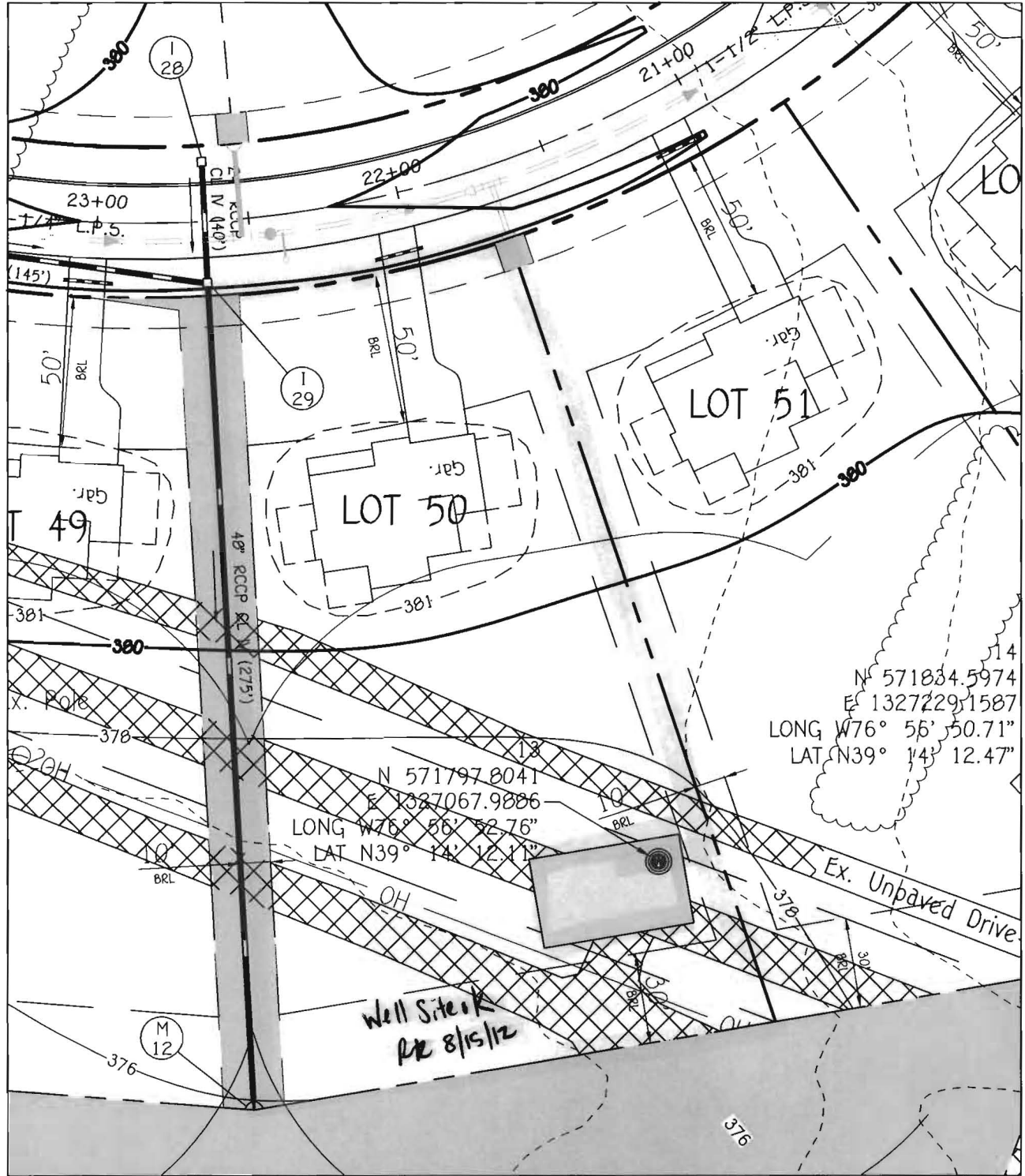
Piping to house House Connection
Type: Poly PVC sleeve to undisturbed soil at wall penetration: Y
PSI: 200 (160 psi min) Length of sleeve(5' minimum from foundation): 20
Depth of supply line: 36 (36" min) Sleeve sealed properly: Y

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: William E. Griffith date: 2-6-2014

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

Date Insp. Requested: Date Insp. Approved: 5-22-14 Inspector: (BR)
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



N 571834.5974
 E 1327229.1587
 LONG W76° 56' 50.71"
 LAT N39° 14' 12.47"

N 571797.8041
 E 1327067.9886
 LONG W76° 56' 52.76"
 LAT N39° 14' 12.11"

WELL LOCATION INFORMATION:
 NORTHING = EASTING =
 LATITUDE = LONGITUDE =

**LOT 50 WELL MAP
 WALNUT CREEK
 PHASE TWO**

Lots 23 - 68, Non-Buildable Preservation Parcels
 'C', 'G', 'I', '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: JULY 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



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Ventric Court * P.O. Box 245 * Myersville, MD 21773 * 301-293-3340 * Fax 301-293-3266
www.fredericktownelabs.com * info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 3948 - 1066-2

Field Record

Site visit performed on: Wednesday, May 07, 2014 10:00 AM
by: Kevin Kretzer State ID No. 1511KK
Affiliation: Tri-County Pump Service
Property Owner: Craftmark Homes
Property Address: 12165 Hayland Farm Lane Way
Clarksville, MD
Sample Source: 1st Floor Powder Room
Treatment Devices Noted: No Treatment Devices
Field pH: 7.0
Total Res. Cl.: 0.0 mg/l

Laboratory Report

Sample Received at laboratory: 5/7/2014 12:57 PM

Bacteriological results:

Total Colif. (/100ml)	E.coli.(/100ml)	Start		End		Method	Analyst
		Date	Time	Date	Time		
<1	<1	05/07/14	15:26	05/08/14	15:50	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

Reported by: Colleen Mellett 5/9/14
Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
MDOT WBE Cert. No.: 91-168



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Venable Court • P.O. Box 345 • Myersville, MD 21773 • 301-293-4340 • Fax 301-293-3266
 www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 3948 - 1066-1

Field Record

Site visit performed on: Wednesday, May 07, 2014 9:55 AM
 by: Kevin Kretzer State ID No. 1511KK
 Affiliation: Tri-County Pump Service
 Property Owner: Craftmark Homes
 Property Address: 12165 Hayland Farm Way ✓
 Ellicott City, MD 21042
 Sample Source: 1st Floor Powder Room ✓
 Treatment Devices Noted: No Treatment Devices OK
 Field pH: 7.0
 Total Res. Cl.: 0.0 mg/l

Bacteria ??

Laboratory Report

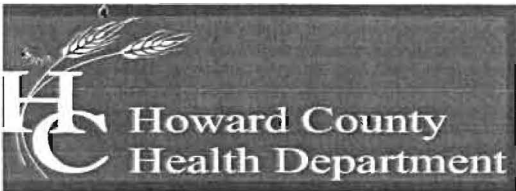
Sample Received at laboratory: 5/7/2014 12:57 PM

Inorganic Chemical results:

Parameter	Result	Units	MCL	Date of Analysis	Method	Analyst
Nitrate-Nitrogen	3.1	mg/l	10	5/7/2014	300.0	PH
Nitrite Nitrogen	<0.2	mg/l	1	5/7/2014	300.0	PH
Sand	<2	mg/l	5	5/8/2014	0.065mm Filter	JD
Turbidity	7.5	NTU	10	5/7/2014	180.1	KB

Reported by: Kevin Kretzer 5/12/14
 Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
 Maryland Cert. No. 116 Virginia Cert. No. 00444
 MDOT WBE Cert. No.: 91-158



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

November 16, 2012

Heritage Realty & Land Management
Attn. Tim Feaga
15950 North Avenue, P.O. Box 482
Lisbon, Maryland 21765

RE: Walnut Creek Lot 50
Ashleigh Drive
Well Tag: HO - 95 - 2350

12165 Hayland Farm Way

9/23/13
rcg

Dear Mr. Feaga:

A sample was collected during a yield test on September 13, 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 ± 0.0 picocuries/liter (pCi/L), while the Gross Beta level was 4.0 ± 2.0 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
Bert Nixon, Director
Bureau of Environmental Health

Enclosure

cc: Barry Glotfelty, MDE Water Mgmt.

✓ Well & Septic property 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

E000577 8/14/12

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HOKW2350 No. B: - Field Blank Bottle No. 1: FBKW91312 No B: -

Plant/Site Name: Walnut Creek Lot 50 County: Howard

Sample Source: Ashleigh Dr. Location: HO-95-2350
Hayland Farm Way (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.: 410 313 2645

Date Collected: 9/13/12

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: Sample collected during yield.

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	0577	< 2.0	09/18/12	09/19/12
✓	Gross Beta	4100	0577	4.0 ± 2.0	"	"
	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: 09/14/12

Supervisor: [Signature]

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

Send Report To:

Bert Nixon

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: HOKW2350 No. B: — Field Blank Bottle No. 1: FBKW91312 No B: —

Plant/Site Name: Walnut Creek Lot 50 County: Howard

Sample Source: Ashleigh Dr. Location: H0-95-2350
Hayland Farm Way (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: 9/13/12

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: Sample collected during yield

✓	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

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: FBKW91312 No B:

Plant/Site Name: HCHD County: Howard

Sample Source: Distilled H₂O 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: 9/13/12

Time Collected: a.m. 4:30 p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code: Federal Project:

Field Data: pH Chlorine

Remarks: 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



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

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:

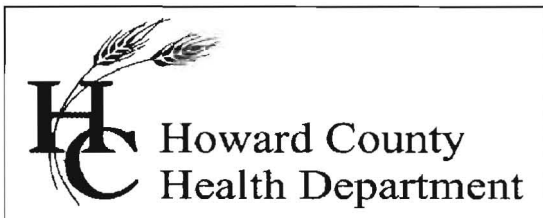
Walnut Creek	50	Hayland Farm Way Ashleigh Drive
<u>Subdivision/Property Name</u>	<u>Lot #</u>	<u>Road Name</u>

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

8930 Stanford Blvd., Columbia, MD 21045
Main: 410-313-6300 | Fax: 410-313-6303
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 – November 22, 2014

May 22, 2014

Homeowner
12165 Hayland Farm Way
Clarksville, Maryland 21045

**RE: Walnut Creek , Lot #50
12165 Hayland Farm Lane
Building Permit: B13003280
Well Permit: HO-95-2350**

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 **05-20-2014**. Final approval of the well line connection to the dwelling was granted on **05-22-2014**. The well construction was completed on **09-13-2012**. Water samples were collected on **05-07-2014**.

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. 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-95-2350. 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 Maryland certified water 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 black ink that reads "Dana Bernard". The signature is written in a cursive style with a large initial "D".

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

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