

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 #: 301-432-0330
Address: 6711 Old National PKY
Bowie, 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# 20135

*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 #: 301-932-0513
Subdivision: Island Crest Lot #: 53 Well Tag #: HO-95-2366
Site Address: 12153 Hayland Farmway
Ellicott City, Md

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Shakti Make: American Gravity Two piece watertight cap: YES
Model #: S7P4450721 Model #: PT800 Screened, vented well cap: YES
Pump Capacity 7 GPM Depth: 36 (36" min) Cap secured to casing: YES
Well Yield: 15 GPM NSF/WSC approved: YES Conduit min 18" B.G.: YES
Depth of well encountered at time of pump installation: 80 (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

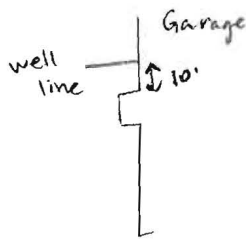
Piping to house House Connection
Type: Poly PVC sleeve to undisturbed soil at wall penetration: YES
PSI: 200 (160 psi min) Length of sleeve(5' minimum from foundation): 20
Depth of supply line: 36 (36" min) Sleeve sealed properly: YES

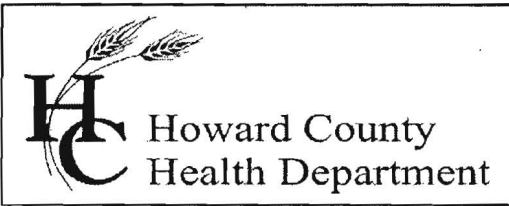
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: William E. Griffith date: 1-14-2016

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

Date Insp. Requested: 1/15/16 Date Insp. Approved: 2/25/16 Inspector: SC
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade [check]
Two piece cap installed and attached to casing securely [check]
Elec. conduit extends at least 18" below grade/attached to cap properly [check]
Safety rope not outside of well cap/casing [check]
Correct well tag attached properly and casing 8" above finished grade [check]
Water supply line sleeved adequately at house connection [check]
Adequate grout observed below pitless adapter [check]





Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1774 | 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 – OCTOBER 25, 2016

April 25, 2016

Homeowner
12153 Hayland Farm Way
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 53
12153 Hayland Farm Way
Building Permit: B15004202
Well Permit: HO-95-2366**

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 **4/19/2016**. Final approval of the well line connection to the dwelling was granted on **2/25/2016**. The well construction was completed on **9/28/2016**. Water samples were collected on **3/18/2016, 4/12/2016 & 4/20/2016**.

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.

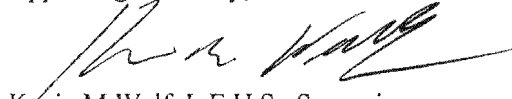
Gross Alpha and Beta samples were also collected on **9/25/2012**. Results showed a Gross Alpha level of **2.0 ± 0.0 pCi/L** and **Gross Beta** level of **4.0 ± 0.0 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (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-95-2366. 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.**

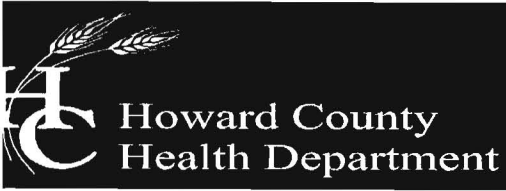
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,



Kevin M Wolf, L.E.H.S., Supervisor
Groundwater Management Section
Well & Septic Program

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



Bureau of Environmental Health

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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 53
Ashleigh Drive
Well Tag: HO - 95 - 2366**

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



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Venture Court • P.O. BOX 245 • Myerstown, MD 21773 • 800-392-3540 • FAX 301-392-2388
www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 3948 - 1498-1

Field Record

Site visit performed on: Friday, March 18, 2016 10:20 AM
by: Jeremy Merrell State ID No. 3701JM
Affiliation: Tri-County Pump Service
Property Owner: Craftmark Homes
Property Address: Lot 53
12153 Hayland Farm Way
Ellicott City, MD
Sample Source: Kitchen Slnk
Treatment Devices Noted: No Treatment Devices ✓
Sample taken after treatment: No ---
Well No.: HO-95-2366 -
Field pH: 7.5
Total Free Res. Cl.: <0.1 mg/l

Laboratory Report

Sample Received at laboratory: 3/18/2016 4:42 PM

Bacteriological results:

Total Colif. (/100ml)	E.coli. (/100ml)	Start		End		Method	Analyst
		Date	Time	Date	Time		
10	1	03/18/16	16:48	03/19/16	11:00	9223B	PH

F21

Bacteriological analysis of this sample indicates the water is unsafe for human consumption.
Analysis was performed according to the 20th edition of Standard Methods

Inorganic Chemical results:

Parameter	Result	Units	MCL	Date of Analysis	Method	Analyst
Nitrate-Nitrogen	✓ 2.6	mg/l	10	3/19/2016	300.0	PH
Sand	✓ <2	mg/l	5	3/21/2016	0.065mm Filter	KW
Turbidity	✓ 0.4	NTU	10	3/18/2016	180.1	JD

Reported by:

Jeremy Merrell 4/13/16
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



Certificate of Analysis

Acct. No. 3948 - 1516-1

Field Record

Site visit performed on: Wednesday, April 20, 2016 8:45 AM
 by: Brian Kepler State ID No. 1063BK
 Affiliation: Tri-County Pump Service
 Property Owner: Craftmark Homes
 Project: Lot 53
 Property Address: 12153 Hayland Farm Way
 Ellicott City, MD 21042
 Sample Source: 1st Floor Powder Room
 Treatment Devices Noted: No Treatment Devices
 Well No.: HO-95-2366
 Free Res. Cl.: 0.0 mg/l

Laboratory Report

Sample Received at laboratory: 4/20/2016 11:18 AM

Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli. (/100ml)</u>	<u>Start</u>		<u>End</u>		<u>Method</u>	<u>Analyst</u>
		<u>Date</u>	<u>Time</u>	<u>Date</u>	<u>Time</u>		
<1	<1	04/20/16	13:40	04/21/16	13:58	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: Eden Millett 4/22/16
 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

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Certificate of Analysis

Acct. No. 3948 - 1498-2

Field Record

Site visit performed on: Tuesday, April 12, 2016 11:20 AM
by: Justin Hitchcock State ID No. 7148JH
Affiliation: Tri-County Pump Services

Property Owner: Craftmark Homes
Project: Lot 53

Property Address: 12153 Hayland Farm Way
Ellicott City, MD 21042

Sample Source: 1st Floor Bathroom

Treatment Devices Noted: Inline Filter

Sample taken after treatment: Yes

Well No.: HO-96-2366

Free Res. Cl.: <0.1 mg/l

**Must be raw
un-treated sample.*

Laboratory Report

Sample Received at laboratory: 4/12/2016 12:53 PM

Bacteriological results:

Total Colif. ((100ml))	E.coli. ((100ml))	Start		End		Method	Analyst
		Date	Time	Date	Time		
<1	<1	04/12/16	13:45	04/13/16	07:47	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: Edlin Mellott 4/13/16
Name Date

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MDOT WBE Cert. No.: 91-168