

C 1 36426

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT FILL IN THIS FORM COMPLETELY PLEASE TYPE

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

ST/CO USE ONLY DATE RECEIVED MM DD YY 06 20 16

DATE WELL COMPLETED MM DD YY 6 14 2016

Depth of Well 22 300' 26 (TO NEAREST FOOT)

OK 7/18/16 sc

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-1382

OWNER: Barster Road E Alfred TOWN: Edcott City Md SUBDIVISION: Walnut Creek SECTION: LOT: 98

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING DESCRIPTION (Use additional sheets if needed) FEET FROM TO check if water bearing Revised well grout. Well casing was removed for Road. Attached is original copy. 67' of casing now in well.

GROUTING RECORD yes no Y N 44 44 WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 9 NO. OF POUNDS 876 GALLONS OF WATER 54 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 26 ft. (enter 0 if from surface)

CASING RECORD casing types insert appropriate code below MAIN CASING TYPE PK Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 67

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

SCREEN RECORD screen type or open hole insert appropriate code below ST BR HO STEEL BRASS OPEN HOLE PL BRONZE HOLE OTHER PLASTIC OTHER

DEPTH (nearest ft.) 1 2 3 8 9 11 15 17 21 23 24 26 30 32 36 38 39 41 45 47 51 SLOT SIZE 1 2 3 DIAMETER OF SCREEN (NEAREST INCH) 56 60 from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 1 2 PUMPING TEST HOURS PUMPED (nearest hour) 8 9 PUMPING RATE (gal. per min.) 11 15 METHOD USED TO MEASURE PUMPING RATE WATER LEVEL (distance from land surface) BEFORE PUMPING 17 20 ft. WHEN PUMPING 22 25 ft. TYPE OF PUMP USED (for test) A air P piston T turbine C centrifugal R rotary O other (describe below) J jet S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP YES NO (CIRCLE) (YES or NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29 CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) + above - below LAND SURFACE (nearest foot) 50 51

LATITUDE 3 LONGITUDE 7 (DEFAULT COORD. WGS 84) Pursuant to §10-624 of the State Govt. Article of the Maryland Code personal info. requested on this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info. may result in this form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or state law.

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED yes no Y N CIRCLE APPROPRIATE LETTER A A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION WELL 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, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE. DRILLERS LIC. NO. 1 MSD 024 1 DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 D 1 SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)

B 1 0896

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER HO-95-1382

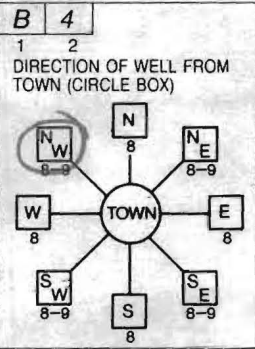
528440 please type

fill in this form completely

Date Received (APA) OWNER INFORMATION Basslen Venture LLC 15590 W. AVE Lis Bon MD 21065

LOCATION OF WELL Howard Walnut Creek CLANKSVILLE

DRILLER INFORMATION Ralph F. MAYNE M SD 117 RALPH E. MAYNE INC 17024 Handy Rd Mt Airy MD 21221



ROAD E 230 DISTANCE FROM ROAD 37 TAX MAP: 28 BLK: 11 PARCEL 49

WELL INFORMATION APPROX. PUMPING RATE 500 AVERAGE DAILY QUANTITY NEEDED 500

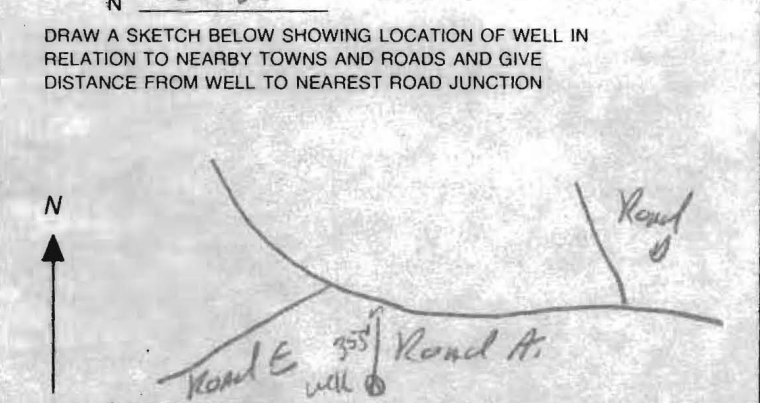
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard 13 COUNTY NAME STATE SIGNATURE DATE ISSUED 1/14/2008

USE FOR WATER (CIRCLE APPROPRIATE BOX) T TEST, OBSERVATION, MONITORING

APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH METHOD OF DRILLING AIR-ROTary

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well

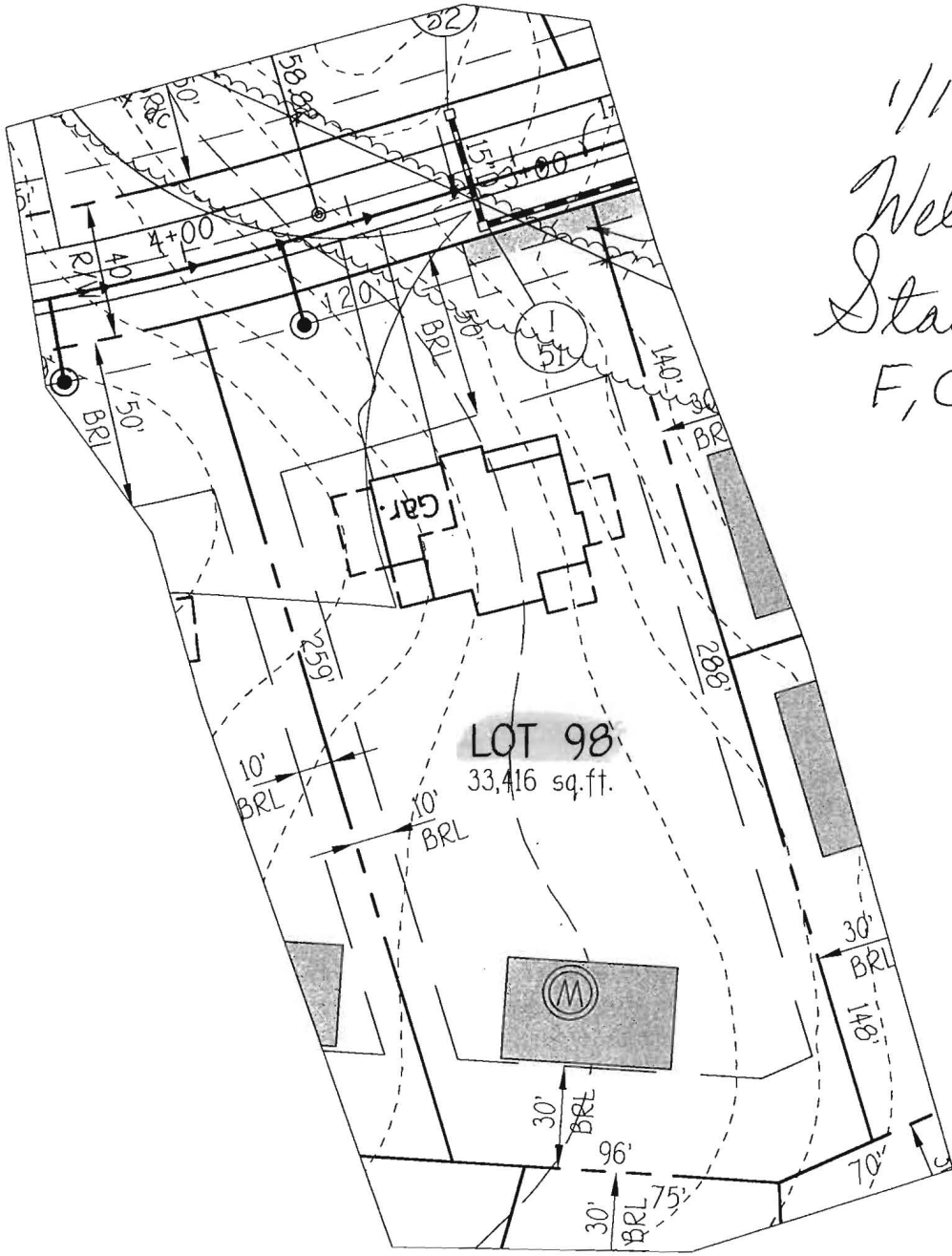
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) N THIS WELL WILL NOT REPLACE AN EXISTING WELL



Not to be filled in by driller (MDE OR COUNTY USE ONLY) PERMIT No. HO-95-1382

SPECIAL CONDITIONS Radium Sample Needed, Drill Well Per





1/14/08  
 Well Site  
 Staked by  
 F, C+C. (BB)

LOT 98  
 33,416 sq. ft.

# WALNUT CREEK

## LOT 98

HOWARD COUNTY, MARYLAND  
 TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49  
 FIFTH ELECTION DISTRICT  
 ZONED: RC-DEO & RR-DEO  
 JANUARY 10, 2008  
 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

**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 WATER SVC Telephone #: 301-854-1333  
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: WINGLESTER HOMES Telephone #: \_\_\_\_\_  
Subdivision: WALNUT CREEK Lot #: 98 Well Tag #: HO-95-1382  
Site Address: 5307 CATALPA CT  
ELICOTT CITY, MD 21042

<b>Submersible Pump Data</b>	<b>Pitless Adapter</b>	<b>Well Cap and Electric Conduit</b>
Make: <u>GRUNDFOS</u>	Make: <u>Camp BELL</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>15SPE07-180</u>	Model#: <u>PA 500</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>15</u> GPM	Depth: <u>48"</u> (36" min)	Cap secured to casing: <input type="checkbox"/>
Well Yield: <u>15</u> GPM	NSF approved: <u>YES</u>	Conduit min 18" B.G.: <input type="checkbox"/>
Depth of well encountered at time of pump installation: <u>300</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 CPS  
Safety rope, if used, attached to inside of well casing with eye bolt N/A

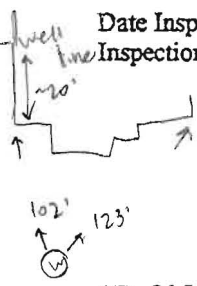
<b>Piping to house</b>	<b>House Connection</b>
Type: <u>POLY</u>	PVC sleeved to undisturbed soil at wall penetration: <u>YES</u>
PSI: <u>160</u> (160 psi min)	Approximate length of sleeve: <u>5'</u>
Depth of supply line: <u>4'</u> (36" min)	Sleeve caulked and sealed properly: <u>YFS</u>

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 10-18-16

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

Date Insp. Requested: <u>10/18/16</u>	Date Insp. Approved: <u>11/11/16</u> <b>(Kmm)</b>	
Inspection Data: Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/>	Need to verify 36" depth after backfilling (line marked at 19" below cap seam) SC <b>OK</b>
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  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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

April 25, 2008

Heritage Realty & Land Development  
15950 North Ave.  
P.O. Box 482  
Lisbon, Md 21765

RE: Walnut Creek, Lot#98  
Well Tag: HO-95-1382

Road E

To Whom It May Concern:

A sample was collected from a yield test February 20, 2008 and submitted to the Department of Health and 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. In turn, this can provide information regarding naturally occurring radiation (i.e., Radionuclides) that may exist in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of  $3.0 \pm 2.0$  picocuries/liter (pCi/L); while the **Gross Beta** level was  $6.0 \pm 2.0$  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 target 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 appears safe for all uses. No additional testing **for these parameters** will be required to secure the future Use & Occupancy. However, other standard (potability) testing will still be necessary.

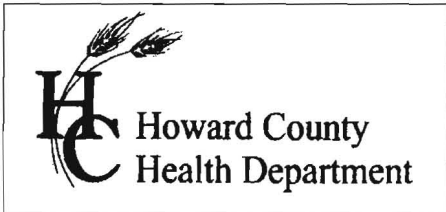
A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

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

Bert Nixon, Director  
Bureau of Environmental Health

cc: Barry Glotfelty, MDE Water Mgmt.



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	98	Road A
<b>Subdivision/Property Name</b>	<b>Lot #</b>	<b>Road Name</b>

The well site has been staked by Fisher, Collins & Carter, Inc.,  
 (professional land surveyor or company employing professional land surveyors)  
 on 01/11/08 (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

Williams, Jeffrey

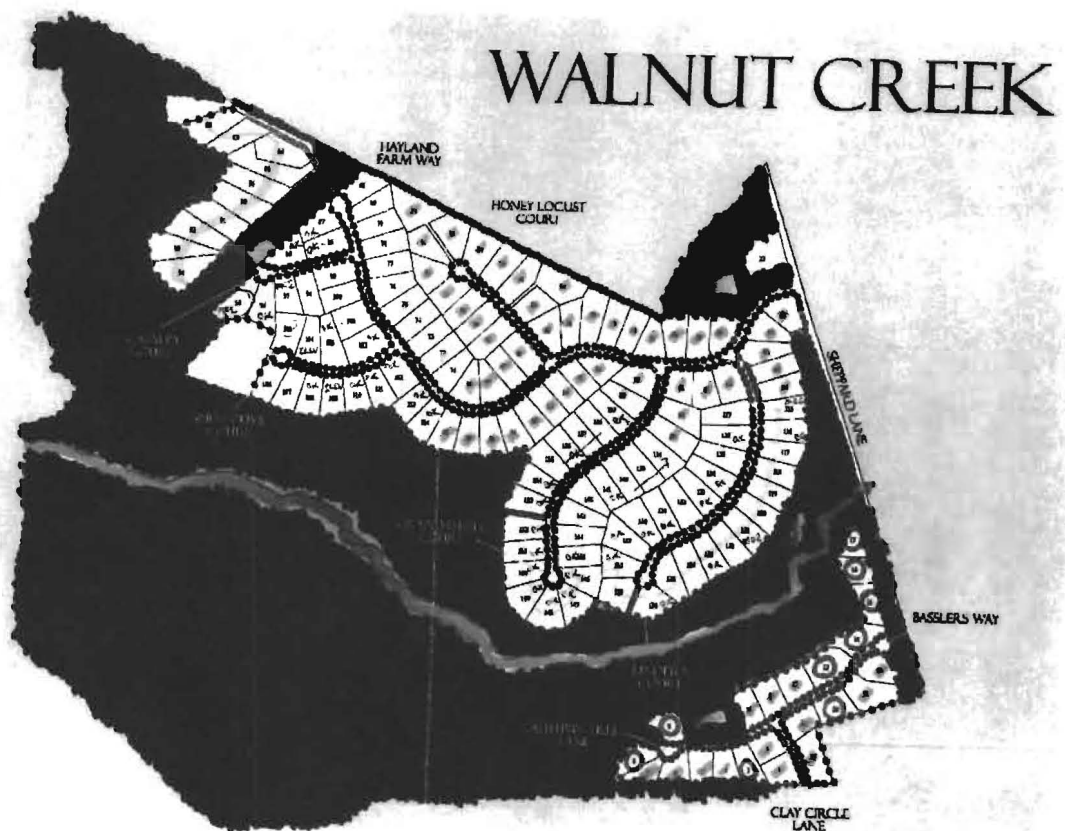
5307 Catalpa Lot 99

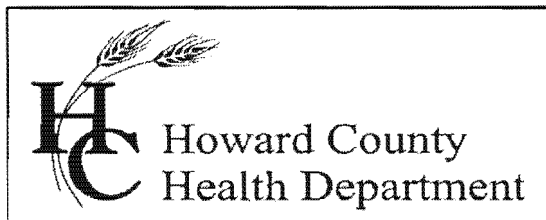
**From:** Williams, Jeffrey  
**Sent:** Friday, May 16, 2014 12:16 PM  
**To:** Tim Feaga  
**Subject:** Walnut Creek Radium testing  
**Attachments:** Walnut Creek radium.pdf; Walnut Creek radium\_2.pdf

Hi Tim. I met with Bert regarding possible easement of radium testing at all lots in Walnut Creek. I've attached a map showing the additional lots that we would like to still be tested to ensure that there is not an area of concern in the remaining lots. The lots in the green cloud have been tested and passed. The lots in the red cloud are lots that we would like to be tested. The lots at the top corner (82-86, 90-94) fall within the radium testing boundary. We want the lots near the river tested to prove whether the stream is in fact acting as a natural buffer from the positive tests on the other side and the passing lots above them. Furthermore, we'd like some representative lots tested in the other section near the upper testing boundary to prove that there are no hot spots. If these are also passing, then we would likely be comfortable waiving the remaining.

We'd be happy to meet with you to discuss if you prefer. Thanks.

Jeff Williams  
Program Supervisor, Well & Septic Program  
Bureau of Environmental Health  
Howard County Health Dept.  
410-313-4261  
[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)





## 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](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 – May 16, 2017

November 16, 2016

Homeowner  
5307 Catalapa Court  
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 98  
5307 Catalapa Court  
Building Permit: B16002101  
Well Permit: HO-95-1382**

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 **11/9/2016**. Final approval of the well line connection to the dwelling was granted on **11/14/2016**. The well construction was completed on **2/20/2008**. Water samples were collected on **10/25/2016**.

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.

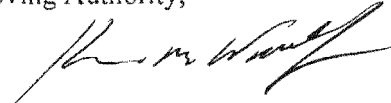
Gross Alpha and Beta samples were also collected on **2/20/2008**. Results showed a Gross Alpha level of **3.0 ± 2.0 pCi/L** and **Gross Beta** level of **6.0 ± 2.0 pCi/L**. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (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-95-1382. 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., REHS/R.S., Supervisor  
Groundwater Management Section  
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits  
Community Hygiene Program  
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 #: 110914 Account #: 3123  
Reference: Walnut Creek Lot 98 Company: National Water Servicing  
Location: 5307 Catalpa Court Requested By: Dave Rycke  
Ellicott City, MD 21042 Source: Well Water  
Date/ Time Collected: 10/25/2016 1250 Site: Pressure Tank  
Date/Time Rec'd: 10/25/2016 1530 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.0  
Collected By: J. Yeager 6176JY Well #: HO-95-1382

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	10/26/2016 / 1030 / CCH
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	10/26/2016 / 1030 / CCH
Nitrate	<1.0	mg/L	10	601	10/26/2016 / 0910 / CRS
Turbidity	1.36	NTU	<10	SM18 2130B	10/26/2016 / 0925 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	10/26/2016 / 0925 / CRS

### 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

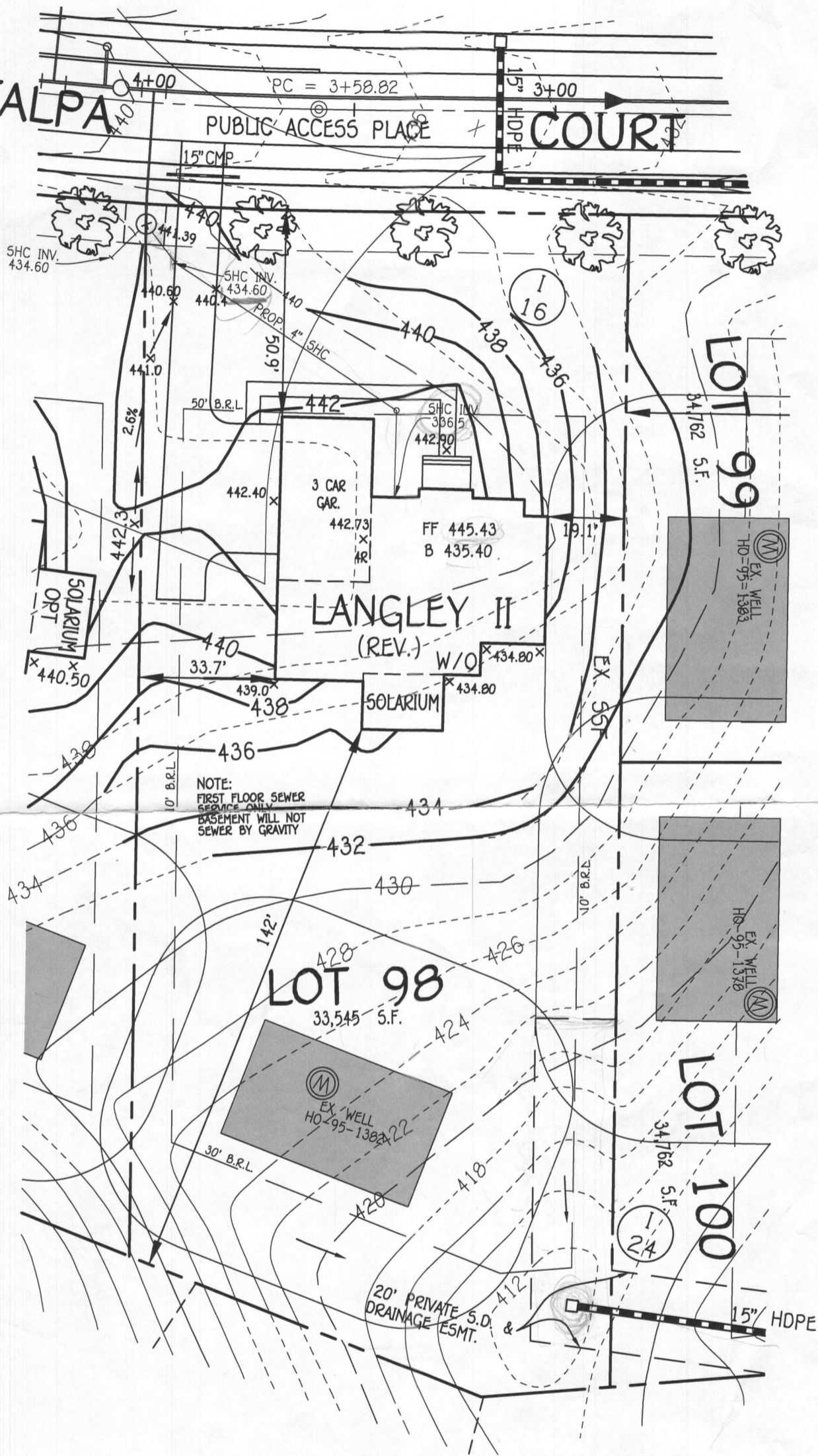
Building Permit # : B16002101

Date Reported: 10/26/2016

CATALPA

PUBLIC ACCESS PLACE

COURT



NOTE:  
FIRST FLOOR SEWER  
SERVICE ONLY  
BASEMENT WILL NOT  
SEWER BY GRAVITY

**OWNER**

BV BUSINESS TRUST  
P.O. BOX 482  
LISBON, MARYLAND 21765-0482

**BUILDER**

CAMBERLEY HOMES  
6905 ROCKLEDGE DRIVE  
BETHESDA, MARYLAND 20817  
PH. 301-803-4800

**PLAN**

SCALE: 1"=30'

**PERMIT SITE PLAN  
LOT 98**

5307 CATALPA COURT  
**WALNUT CREEK**

ZONED: RC-DEO

TAX MAP NO.: 28 PARCEL NO.: 49 GRID NO.: 17 & 18  
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND  
SCALE: 1" = 30' DATE: APRIL 12, 2016

**WELL CERTIFICATION:**

THE EXISTING WELL, TAG NO. HO-95-1303, HAS BEEN  
FIELD LOCATED AND IS ACCURATELY SHOWN.

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

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE

ELLCOTT CITY, MARYLAND 21042  
(410) 461-2865

