

C 1 26559

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 A520 385

ST/CO USE ONLY DATE Received MM DD 10 15 15

DATE WELL COMPLETED MM DD 07 02 15

Depth of Well 22 245 26 (TO NEAREST FOOT)

OK 10/21/15 SC

PERMIT NO. FROM "PERMIT TO DRILL WELL" 140-15-0045

OWNER BASSLER Venture LLC last name GRAPE MYRTLE Ct first name TOWN CLARKSVILLE MD SUBDIVISION WALNUT Creek PHASE 4 SECTION LOT 159

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

GROUTING RECORD form with fields for CEMENT (CM), BENTONITE CLAY (BC), NO. OF BAGS (9), NO. OF POUNDS (500), DEPTH OF GROUT SEAL (0 to 27 ft).

CASING RECORD form with fields for MAIN CASING TYPE (PL), Nominal diameter (6), Total depth (28).

SCREEN RECORD form with fields for screen type (HO), diameter (6), depth (28).

DEPTH (nearest ft.) table with columns 1-21 and handwritten values 140, 27, 245.

SCREEN RECORD form with fields for screen type (HO), diameter (6), depth (28).

SLOT SIZE and DIAMETER OF SCREEN fields.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) fields for T, W, Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST form with fields for HOURS PUMPED (3), PUMPING RATE (5), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (22 ft before, 117 ft when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED (29), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (2 ft below land surface).

LATITUDE 39.23749 LONGITUDE 76.94611 (DEFAULT COORD. WGS 84)

NOTES: 2.7 bags = 3.33 bags/10'

B 1 26891

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HO-15-0045

Date Received (APA)

040815

OWNER INFORMATION

Bassler Venture LLC, PO Box 482, Lis Bon MD 21765

B 3 LOCATION OF WELL

Howard, WYLAKE CREEK PHASE III, CLARKSVILLE MD

DRILLER INFORMATION

RAUL MAYNE, M SD 117, RAUL MAYNE WELL DRILLING, 17024 Handy Rd Mt. Airy MD 21777

B 4 SOURCES OF DRILLING WATER

well, GRATE MYRTLE CH, 34 225 37, TAX MAP: 28 BLK: PARCEL 49

B 2 WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- Domestic Potable Supply & Residential Irrigation, Farming, 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 13 AS20385, STATE SIGNATURE, DATE ISSUED 4/20/15, CO SIGNATURE, EXP. DATE 4/20/16

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 64 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

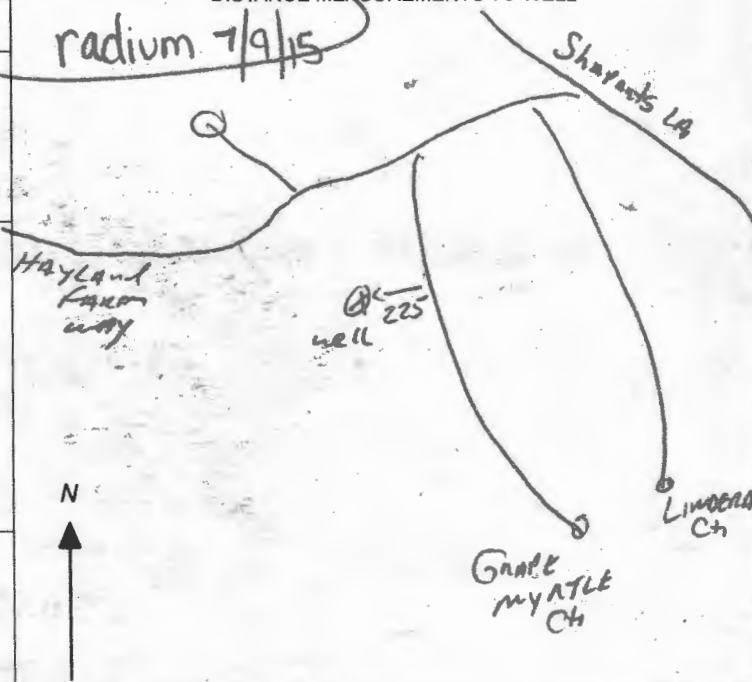
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROX. PERMIT NUMBER H 0 2 0 0 6 6 0 2 0

PERMIT No. HO-15-0045

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

Wells must be 100' apart and 100' from grinder

COUNTY pit, Radium sample required at yield

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

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: FOOTE'S WELL PUMPS & WATER TREATMENT, LLC Telephone #: 410 795 5670
Address: 580 NORTCH Rd
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): DAVID C FOOTE License# MSD2226

*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: WILLIAMSBURG GROUP Telephone #: _____
Subdivision: WALNUT CREEK Lot #: 159 Well Tag #: HO-NA-021111
Site Address: 5010 CRAPE MYRTLE Ct
ELLICOTT CITY, MD 21042 15-0045 05/13/2021

Submersible Pump Data

Make: INATOS
Model #: ISSGEO T-180
Pump Capacity: 15
Well Yield: 5

Pitless Adapter

Make: CAMPBELL +
Model#: NA
GPM Depth: 36" (36" min)
GPM 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: 205 (feet)
If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Must circle one: Torque arrestors / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing NA

Piping to house

Type: 1" poly pipe
PSI: 200 (150 psi min)
Depth of supply line: 36" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: YES
Length of sleeve (5' minimum from foundation): 6'
Sleeve sealed properly: YES

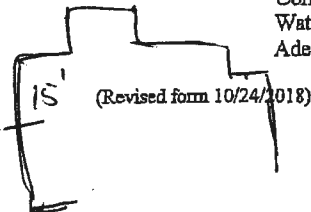
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 5/13/2021

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

Date Insp. Requested: 05/13/2021 Date Insp. Approved: 05/13/2021 Inspector: [Signature]
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 ground observed below pitless adapter

30" 05/13/2021 (4)
23" 05/13/2021 (9)
28" 05/13/2021 (10)



INTERIM CERTIFICATE OF POTABILITY

Expiration Date – January 20, 20221

July 20, 2021

Homeowner
5010 Crape Myrtle Court
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 159
5010 Crape Myrtle Court
Building Permit: B20003159
Well Permit: HO-15-0045**

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 **7/20/2021**. Final approval of the well line connection to the dwelling was granted on **5/13/221**. The well construction was completed on **7/7/2015**. Water samples were collected on **7/1/2021**.

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 **7/9/2015**. 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-15-0045. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

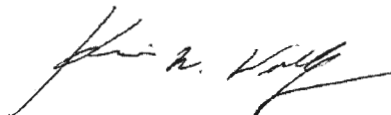
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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.**

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

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>

In closing, please refer to our "Homeowner Fact Sheet" for understanding your onsite sewage disposal system. You will also find a link to Maryland Department of the Environment website which elaborates in further detail operation and maintenance of your Septic System.

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

REPORT OF ANALYSIS

Laboratory ID #: 145570 Account #: 4470
Reference: Williamsburg Homes LLC Company: Williamsburg Homes LLC
Location: 5010 Crepe Myrtle Court Requested By: Bill McBride
Ellicott City, MD 21042 Source: Well Water
Date/ Time Collected: 7/1/2021 0950 Site: Pressure Tank
Date/Time Rec'd: 7/1/2021 1220 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 7.7
Collected By: R. Ott 0266RO Well #: HO-15-0045

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/2/2021 / 0900 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/2/2021 / 0900 / CRS
Nitrate	1.32	mg/L	10	601	7/2/2021 / 1000 / CRS
Turbidity	<0.30	NTU	<10	SM20 2130B	7/1/2021 / 1505 / TSD
Sand	ND	mg/L	5	Visual/Gravimetric	7/1/2021 / 1440 / TSD

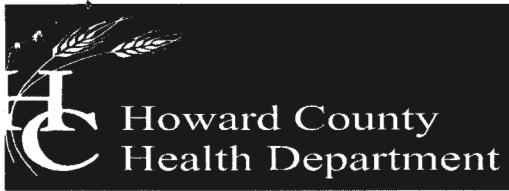
NOTES:

- 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 NTU = Nephelometric Turbidity Units
- 4 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 5 ND:None Detected
- 6 Visual well check: Sealed, vented cap
- 7 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy

Building Permit # : B20003159

Date Reported: 7/2/2021



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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., Health Officer

September 15, 2015

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

**RE: Walnut Creek Lot 159
Crape Myrtle Court
Well Tag: HO - 15 - 0045**

Dear Mr. Feaga:

A sample was collected during a yield test on July 9, 2015 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,

A handwritten signature in cursive script that reads 'Bert Nixon'.

Bert Nixon, Director

Bureau of Environmental Health

✓ Enclosure

cc: Property file

SEND REPORT TO: Bert Nixon

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Laboratories Administration

201 W. Preston St. Baltimore, MD 21201

Robert A. Myers, Ph.D., Director

Lab No.

Howard County Health Department

Bureau of Environmental Health

8930 Stanford Blvd.
Columbia, Maryland 21045

1770 Ashland Ave., Baltimore, MD 21205

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Walnut Creek Phase IV

County: Howard

Sample Source: Well - Lot 159 - "Crape Myrtle Ct. (HCO045)

Location: HO-15-0045

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A _____
Bottle B _____

Radon-222 Field Blank Bottle A _____
Bottle B _____

County 13

Plant No. _____

CHECK (one per Box)

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

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

Point of Collection
Source (Raw) <input checked="" type="checkbox"/>
Distribution (treated) <input type="checkbox"/>
MCL <input type="checkbox"/>

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

Submitters Code: _____

Federal Project: S

Collector: R. Rappaport

Telephone No.: 410-313-1781

Date Collected: 7/9/15

Time Collected: 11 a.m.

Field pH: _____

Field Chlorine: _____

Nitric Acid Preserved: Yes No

Iced: Yes No

Remarks: Sample taken during the yield test

TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/> Gross Alpha	4000	OS1	EPA 900.0	< 2.0	7/16/15	WT	7/21/15
<input checked="" type="checkbox"/> Gross Beta	4100	OS1	EPA 900.0	< 4.0	7/16/15	WT	7/21/15
<input type="checkbox"/> Radium-226	4020						
<input type="checkbox"/> Radium-228	4030						
<input type="checkbox"/> Total Uranium	4006						
<input type="checkbox"/> Radon-222 (Bottle A)	4004						
<input type="checkbox"/> Radon-222 (Bottle B)	4004						
<input type="checkbox"/> Radon Field Blank A	4004						
<input type="checkbox"/> Radon Field Blank B	4004						
<input type="checkbox"/> Tritium							

Date Received: 07/13/15

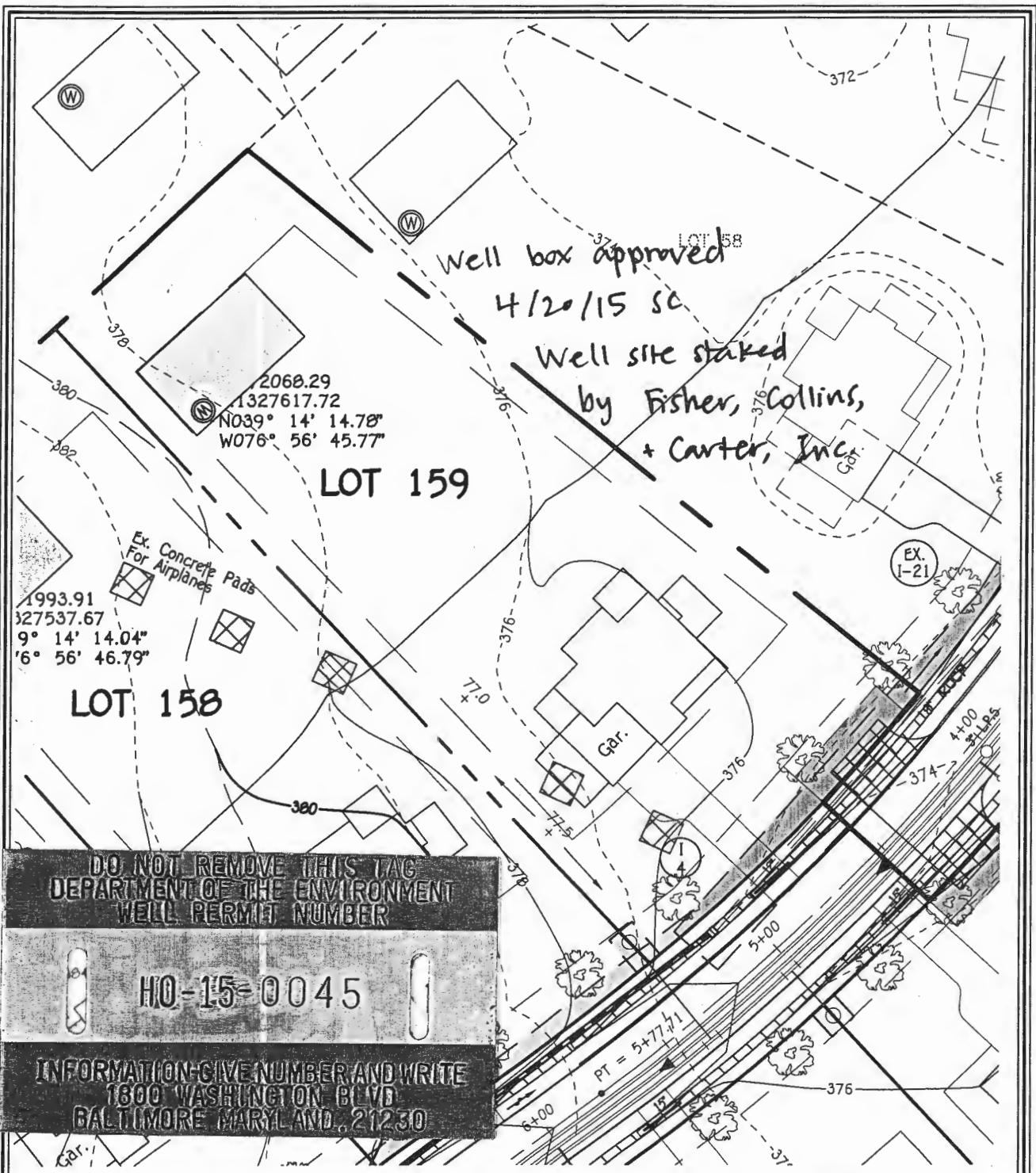
Received By: [Signature]

Data Release Signature: [Signature]

Date: 7/21/15

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?			
Sample pH < 2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

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



DO NOT REMOVE THIS TAG
 DEPARTMENT OF THE ENVIRONMENT
 WELL PERMIT NUMBER

HO-15-0045

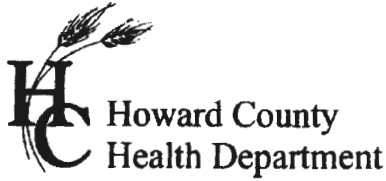
INFORMATION-GIVE NUMBER AND WRITE
 1800 WASHINGTON BLVD
 BALTIMORE MARYLAND, 21230

WELL LOCATION INFORMATION:
 NORTHING = 571068.29 EASTING = 1327617.72
 LATITUDE = N 39° 14' 15" LONGITUDE = W 76° 56' 46"

**LOT 159 WELL MAP
 WALNUT CREEK
 PHASE FOUR**

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: FEBRUARY 23, 2015 SCALE: 1"=50'

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELICOTT 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

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 Phase 4	159	Crape Myrtle Ct.
Subdivision/Property Name	Lot #	Road Name

- The well site has been staked by Fisher, Collins and Carter, Inc. ,
 (professional land surveyor or company employing professional land surveyors)
 on 03/11/15 (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