

B 1
42893

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
558215 please type

STATE PERMIT NUMBER
HO-15-0255
fill in this form completely

Date Received (APA) 4/29/16
8 MM DD YY 13
OWNER INFORMATION
Furlong Brian
15 Last Name Owner First Name 34
6404 Frothingham Ct
36 Street or RFD 55
Elkridge Md 21075
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
Howard
8 COUNTY 21
Artes Property
23 SUBDIVISION 42
SECTION 44 46 LOT 27 48 50
Glenwood
52 NEAREST TOWN 71

DRILLER INFORMATION
Joseph L Mayne M S D 024
76 License No. 81
Joseph L Mayne Well Drillers
Firm Name
5512 Ridge Rd Mt Airy 21771
Address
Joseph L Mayne 4-26-2016
Signature Date

B 4 SOURCES OF DRILLING WATER
1. well
2.
3.

Millers Mill Rd
11 STREET ADDRESS 30
ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)
NORTH
WEST EAST
SOUTH
34 70 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 14 BLK: 4 PARCEL 27

B 2 WELL INFORMATION
APPROX. PUMPING RATE 4
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 600
(GAL. PER DAY) 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
22 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
COUNTY NAME COUNTY NO.
STATE SIGNATURE INSERT S 41
DATE ISSUED 6/1/16 Sub. Call 6/1/17
43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 280
24 28 FEET
APPROXIMATE DIAMETER OF WELL 6
NEAREST INCH

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

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 DEEPEINED 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 DEEPEIN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER G
PERMIT No. HO-15-0255
70 71 72 73 74 75 76 77 78 79

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.

SPECIAL CONDITIONS
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

C1 36487
 SEQUENCE NO. (MDE USE ONLY)
 1 2 3 6
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

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.
 COUNTY NUMBER 13

ST/CO USE ONLY
 DATE RECEIVED
 MM 07 DD 21 YY 16
 B 13

DATE WELL COMPLETED
 MM 7 DD 18 YY 2016
 15 20
 Depth of Well
 22 205 26
 (TO NEAREST FOOT)
 7/26/16 GSC

PERMIT NO. FROM "PERMIT TO DRILL WELL"
 Ho-15-0255
 28 29 30 31 32 33 34 35 36 37

OWNER Furlong, Andreia + Brian
 WELL SITE ADDRESS Millers Mill Rd TOWN Alexwood
 SUBDIVISION Arter Property SECTION _____ LOT 27

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		check if water bearing
	FROM	TO	
Sand Stone	0	72	
Mica Rock	72	205	
Water at		180'	

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)
 Y N
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT CM BENTONITE CLAY BC
 NO. OF BAGS 19 NO. OF POUNDS 1786
 GALLONS OF WATER 114
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 72 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER

MAIN CASING TYPE
 Nominal diameter top (main) casing (nearest inch)!
 Total depth of main casing (nearest foot)
57 6 76
 60 61 63 64 66 70

OTHER CASING (if used)
 diameter inch depth (feet) from to
 E A C H S I N G

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

NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED 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. M S D 0 24
 DRILLERS SIGNATURE Joseph X. Mayne
 (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. M S D 0 27

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

C 2
 DEPTH (nearest ft.)
 1 Ho 74 205
 E A C H S I N G

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 _____ 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
PUMPING TEST

HOURS PUMPED (nearest hour) 3
 8 9
 PUMPING RATE (gal. per min.) 20
 11 15
 METHOD USED TO MEASURE PUMPING RATE Bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 30 ft.
 17 20
 WHEN PUMPING 48 ft.
 22 25
 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 (CIRCLE) (YES or NO) YES 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. _____ 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 } LAND SURFACE
 - below } 2 (nearest foot)
 49 50 51

LATITUDE 39.31195
 LONGITUDE 77.02769
 (DEFAULT COORD. WGS 84)

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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: K.H. Plumbing, Inc. Telephone #: 410-259-5910
Address: 470 DOSTER DR. WESTMINSTER, MD 21158

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

License # and name of individual responsible for the field installation: Name (Print): Keith Hundertmark License# 8300

*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: Brian Furlong Telephone #: 410-997-9812
Subdivision: Lot #: Well Tag #: HO-15-0255
Site Address: 2225 Millers Mill Rd. COOKSVILLE, MD 21723

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Goulds Make: Amazon Conby Two piece watertight cap:
Model #: 11050TH22C Model: PT500NL Screened, vented well cap:
Pump Capacity: GPM Depth: 42" (36" min) Cap secured to casing: Yes
Well Yield: 20 GPM NSF approved: Yes Conduit min 18" B.G.: Yes
Depth of well encountered at time of pump installation: 205 (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 or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt

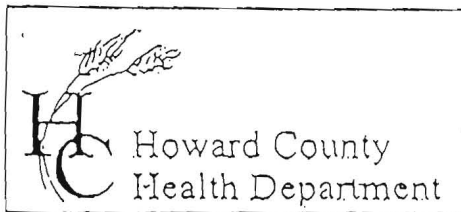
Piping to house House Connection
Type: Poly 1" IPS PE 3408 PVC sleeved to undisturbed soil at wall penetration: Yes
PSI: 160 (160 psi min) Approximate length of sleeve: 5
Depth of supply line: 42 (36" min) Sleeve caulked and sealed properly: Yes

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: Keith Hundertmark date: 4-19-17

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

Date Insp. Requested: 8/25/17 Date Insp. Approved: 8/25/17
Inspection Data: Pitless adapter and 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 installed inside of well 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



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

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

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

Well Site Location:

<u>Arter Property</u>	<u>27</u>	<u>Millers Mill Rd</u>
Subdivision/Property Name	Lot#	Road Name

The well site has been staked by Fisher Collins Carter
 (professional land surveyor or company employing professional land surveyors)
 on Apr 2016 (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 3/11/05

Brian Furlong - 410-300-4627

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

HO-15-0255

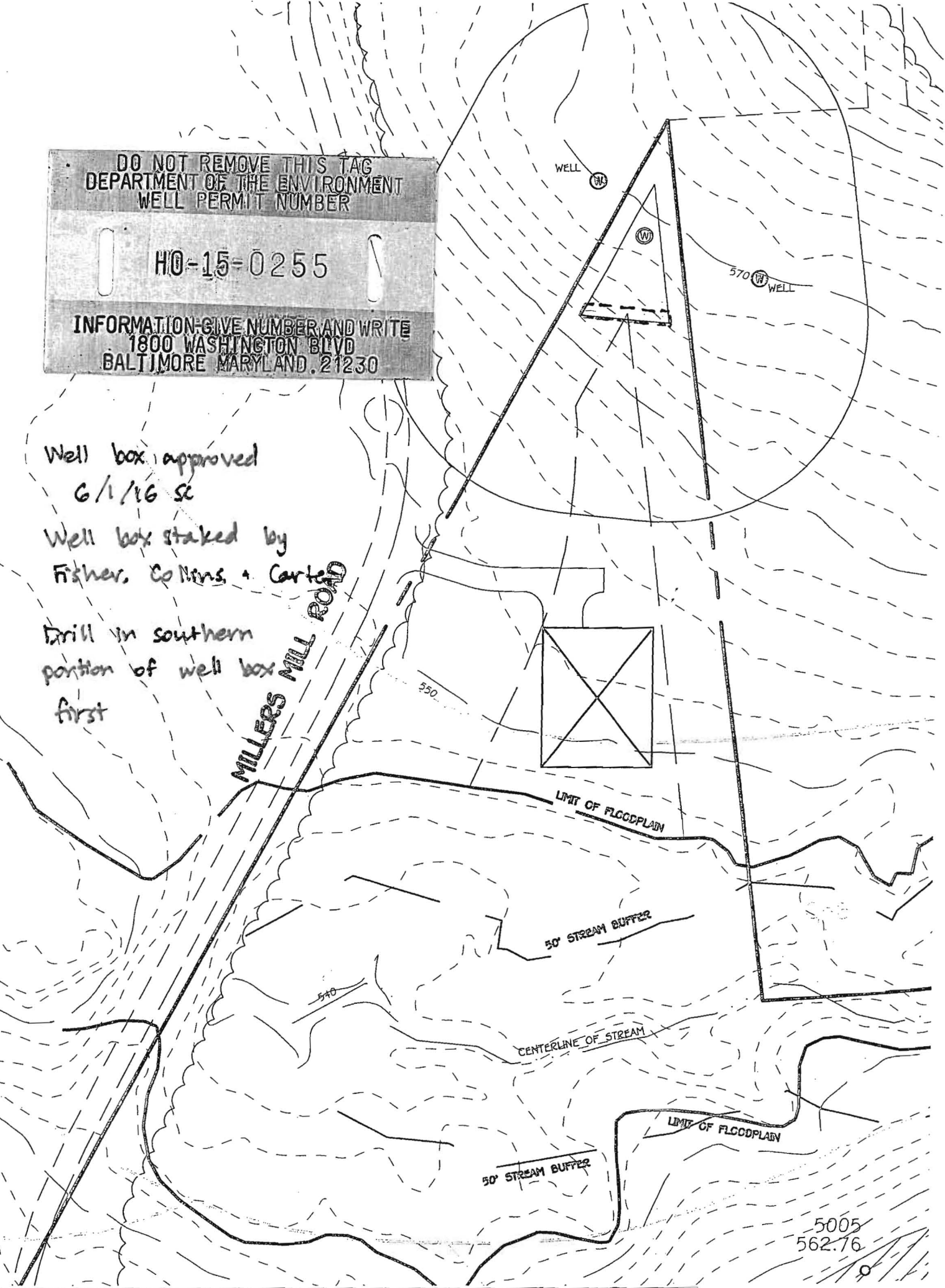
INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND. 21230

Well box approved
6/1/16 sc

Well box staked by
Fisher, Collins + Carter

Drill in southern
portion of well box
first

MILLERS MILL ROAD



5005
562.76

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – MARCH 7, 2018

September 7, 2018

Homeowner
2225 Millers Mill Road
Cooksville, MD 21723

RE: Arter Property, Lot 2
2225 Millers Mill Road
Building Permit: B17000297
Well Permit: HO-15-0255

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 **11/7/2017**. Final approval of the well line connection to the dwelling was granted on **8/25/2017**. The well construction was completed on **7/18/2016**. Water samples were collected on **11/6/2017**.

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-15-0255. 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>



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environment's website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

Kevin M. Wolf, LEHS, R.S./REHS, Supervisor
Groundwater Management Section
Well & Septic Program

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



Bureau of Environmental Health

8930 Stanford Blvd, Columbia, MD 21045
Main: 410-313-2640 | Fax: 410-313-2648
TDD 410-313-2323 | Toll Free 1-866-313-6300
www.hchealth.org

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

November 28, 2017

Homeowner
2225 Millers Mill Road
Cooksville, MD 21723

Dear Homeowner,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from your well water.

Elevated sodium levels in drinking water could affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 18.98 mg/L.**

Chloride and TDS are both considered secondary contaminants, meaning high concentrations can affect taste, color, odor, or corrosive properties of water but present no risk to health. The secondary maximum contaminant level for chloride is 250 mg/L; **chloride from you well measured 40 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 128 mg/L.**

Feel free contact me at the number or email below with any questions regarding the results of water sampling.

Sincerely,

A handwritten signature in cursive script that reads 'Sarah Collins'.

Sarah Collins, L.E.H.S.
Howard County Health Department
Well & Septic Program
SCollins@howardcountymd.gov
410-313-6287

Cc: File

Send Report To: Bert Nixon

State of Maryland
DHMH - Laboratories Administration

Division of Environmental Sciences
TRACE METALS LABORATORY

1770 Ashland Avenue
Baltimore, Maryland 21205

Howard County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045



E18001886001

Received: 11/08/2017

Metals

HO-15-0255

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: HO-15-0255 Site Name: Arter Property County: Howard

Sample Source: 2225 Millers Mill Rd. Glenwood Collector: S. Collins
Street Town or City Name

Date Collected: 11/7/2017 Time Collected: 11:45 a.m. / p.m. Phone #: 410-213-6287

Sample Preserved By: Field ESRL WMRL Central Lab
Preservative Used: HNO₃ _____ mL pH: <2

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
Data Category: Community Stream Distribution (Treated) Solid
Code Non-Community Sediment Other _____
 Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

Remarks: Sample collected from pressure tank

✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
	Antimony (Sb)			Aluminum (Al)			Uranium (U)	
	Arsenic (As)			Calcium (Ca)			Vanadium (V)	
	Barium (Ba)			Cobalt (Co)			Zinc (Zn)	
	Beryllium (Be)			Copper (Cu)				
	Cadmium (Cd)			Iron (Fe)				
	Chromium (Cr)			Lead (Pb)				
	Mercury (Hg)			Magnesium (Mg)				
	Nickel (Ni)			Manganese (Mn)				
	Selenium (Se)			Molybdenum (Mo)				
✓	Sodium (Na)	<u>2#</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

RECEIVED

Lab Supervisor: _____

Date Reported: NOV 21 2017

•Phone: (443) 681 - 4596 •Fax: (443) 681 - 4507



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3030 Verine Court • P.O. BOX 245 • Myerstown, MD 21773 • 630-332-3340 • FAX 301-263-2360
 www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 10632 - 3-1

Field Record

Site visit performed on: Monday, November 06, 2017 12:46 PM
 by Dennis Crockett State ID No. 7975DC
 Affiliation: Fredericktowne Labs, Inc.
 Property Owner: Residence
 Property Address: 2225 Millers Mill Road
 Cooksville, MD 21723
 Sample Source: Bathroom Sink
 Treatment Devices Noted: Filter-Off Line
 Sample taken after treatment: No
 Well No.: HO-15-0255
 Field pH: 6.0
 Free Res. Cl.: <0.1 mg/l
 Temp: 16.6° C

Laboratory Report

Sample Received at laboratory: 11/6/2017 1:34 PM

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	11/06/17	16:30	11/07/17	10:32	9223B	JD

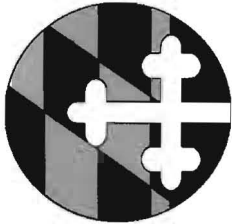
Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

Inorganic Chemical results:

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MCL</u>	<u>Date of Analysis</u>	<u>Method</u>	<u>Analyst</u>
Nitrate-Nitrogen	3.3	mg/l	10	11/6/2017	300.0	PH
Sand	<2	mg/l	5	11/7/2017	0.065mmFilter	JD
Turbidity	0.8	NTU	10	11/6/2017	180.1	KB

Reported by: Curtis Phelps 11/8/17
 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



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
TRACE METALS LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E18001886 Date Coll.: 11/07/2017 Date Received: 11/08/2017 Submitted By: Collins

Field ID: HO-15-0255
Lab No.: E18001886001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	18.98	ppm	11/13/2017

Comments:

Approved by: Yungsoo Choi

Approval date: 11/14/2017

**The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6944 and arrange for return or destruction.



State of Maryland
Department of Health
Laboratories Administration
Division of Environmental Sciences
INORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project NoE18001887 Date Coll. 11/07/2017 Date Received 11/08/2017 Submitted By:S. Collins

Field ID: HO-15 0255
Lab No.: E18001887001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	40	mg/L	11/14/2017
Total Dissolved Solids	SM 2540C	128	mg/L	11/13/2017

Comments:

Approved by: *Shahin Aali* Approval date: 11/20/2017

*The following methods are included in our A2LA Scope of Accreditation: EPA150.1, EPA 353.2, EPA 375.2, SM4500F C, SM 4500-CN G & QCM-CN, QCM-CN.

This document contains confidential health information that is privileged, confidential and exempt from disclosure under law. If you have received this information in error, please call (410) 767-6190 and arrange for return or destruction.

Oswald, Hank

From: Debra Correia -MDE- <debra.correia@maryland.gov>
Sent: Monday, July 10, 2017 8:14 AM
To: Oswald, Hank
Subject: Re: Permit Question for Directional Boring

Hi Hank,

The line needs to be 3' below the stream bed only. Once it's below 3' it does not need to be sleeved.

Thanks,
Debra

Sent from my iPhone

On Jul 10, 2017, at 8:03 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Debra,

Good morning. The contractor is getting ready to install the septic line and I just had a couple of follow-up questions. Dose the septic line have to be installed at minimum depth of 3 feet throughout the entire stream buffer/ 100 year flood plain or just under the stream bed? Should the line be sleeved under the stream bed?

Thanks for your assistance,

Hank

From: Debra Correia -MDE- [<mailto:debra.correia@maryland.gov>]
Sent: Thursday, February 16, 2017 12:06 PM
To: Oswald, Hank
Subject: Re: Permit Question for Directional Boring

Hi Mr. Oswald,

Sorry about not responding to your email earlier.

To answer your question, if you are under the stream (you need to be below the streambed by 3'), are not impacting any wetlands nor the 100-year floodplain, then you do not need a permit from MDE. If you are not sure, I can come out on a pre-application site visit and advise you.

Should you ahve any questions, please contact me.

Thanks,

-Debra

On Fri, Feb 10, 2017 at 11:32 AM, Oswald, Hank <hoswald@howardcountymd.gov> wrote:

Hi Ms. Correia:

I'm reviewing a septic plan that involves directional boring of a septic line under a stream in Howard County. Does this activity require a permit from MDE?

Thanks in advance,

Hank

Hank Oswald, L.E.H.S.

Howard County Health Department

Bureau of Environmental Health

Well & Septic Program

8930 Stanford Boulevard

Columbia, MD 21045

410.313.1786 (Office)

410.313.2648 (Fax)

--

Debra Correia

Regulatory & Compliance Engineer

Waterway Construction Division

Maryland Department of the Environment

Phone: 410-537-3900

Fax : 410-537-3751

[Click here](#) to complete a three question customer experience survey.

[Click here](#) to complete a three question customer experience survey.