SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND WELL COMPLETION REPORT	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
2 3 THIS NUMBER IS TO BE PUNCHED N COLS. 3-6 ON ALL CARDS)	FILL IN THIS FORM COMPLETELY PLEASE TYPE	COUNTY NUMBER
DATE WELL COM	PLETED Approved Depth of Well 20 2/21/2020 22 (TO NEAREST FOOT) 26	PERMIT NO. FROM "PERMIT TO DRILL WELL"
OWNER	first name TOMAN	Month City
SUBDIVISION SUBDIVISION	SECTIONTOWN	LOT 3
WELL LOG Not required for driven wells	GROUTING RECORD YOU NO N	C 3
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING	WELL HAS BEEN GROUTED (Circle Appropriate Box) TYPE OF GROUTING MATERIAL (Circle one)	PUMPING TEST
DESCRIPTION (Use FEET check if water	CEMENT CM BENTONITE CLAY BC	HOURS PUMPED (nearest hour)
additional sheets if needed) FROM TO bearing	NO. OF BAGS NO. OF POUNDS 32.00	PUMPING RATE (gal. per min.)
Soft bren 0 14	DEPTH OF GROUT SEAL (to nearest foot)	METHOD USED TO MEASURE PUMPING RATE
1 1 1 14 151	from 48 TOP 52 ft. to 54 BOTTOM 58 ft.	WATER LEVEL (distance from land surface)
graphiaster 17 191	(enter 0 if from surface) Casing Casing RECORD	BEFORE PUMPING 17 ft.
Exactore 151 152 V	types insert appropriate ST STEEL CONCRETE	WHEN PUMPING 194 tt.
F1221	code below PL OT	TYPE OF PUMP USED (for test)
Total Lines 152 320	MAIN Nominal diameter Total depth	A air P piston T turbin
1	CASING top (main) casing of main casing (nearest inch)! (nearest foot)	C centrifugal R rotary O other (describelow
Fractice 320 321 V	51 06 63 64 68 70	J jet S submersible
1 1 1 221 425	E OTHER CASING (if used)	27 27
Trey Lameston JEI	G inch from to	PUMP INSTALLED
	S	DRILLER INSTALLED PUMP YES (CIRCLE) (YES or NO)
	ß ————————————————————————————————————	IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
Storage: 561 and	screen type SCREEN RECORD	TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) 29
30,1	insert appropriate BRASS BRASS BRONZE	IN BOX 29. CAPACITY:
	code below BRONZE PL OT	GALLONS PER MINUTE (to nearest gallon) 31
	PLASTIC OTHER	PUMP HORSE POWER
NUMBER OF UNSUCCESSFUL WELLS:	C 2 DEPTH (nearest ft.)	PUMP COLUMN LENGTH (nearest ft.)
WELL HYDROFRACTURED YES	E 1 8 9 11 15 17 21	CASING HEIGHT (circle appropriate box and enter casing height)
CIRCLE APPROPRIATE LETTER	A c c c c c c c c c c c c c c c c c c c	above LAND SURFACE
WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED	23 24 26 30 32 36 S C 3	below 2 (neare foot
E ELECTRIC LOG OBTAINED P TEST WELL CONVERTED TO PRODUCTION	R 38 39 AT 45 47 51	49 50 51
WELL I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AN		LATITUDE 39.255094 LONGITUDE 76.881317
IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOY CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTE HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF N	OF SCREEN INCH)	(DEFAULT COORD. WGS 84)
KNOWLEDGE.	from to	Pursuant to \$10-624 of the State Govt. Article of the Maryand Code personal info. requested on
DRILLERS LIC. NO.1 M 5 D day	GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL	this form is used in processing this form pursuant to COMAR 26.04.04. Failure to provide the info.
DRIVLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION)	INSERT F IN BOX 68 68 MDE USE ONLY	may result in this form not being processed. You have the right to inspect, amend, or correct this
LIC. NO.1 D 1	(NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q	form. The Maryland Department of the Environment is subject to the Maryland Public Information Act. This form may be made
Lange He	70 72	available on the Internet via MDE's website and is subject to inspection or copying, in whole or in
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)	TELESCOPE LOG 74 75 76 CASING INDICATOR OTHER DATA	part, by the pulic and other governmental agencies, if not protected by federal or state law.
MDE/WMA/PER,071	COUNTY	

SEQUENCE NO. (MDE USE ONLY): STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type STATE PERMIT NUMBER NO - 18 - 0160	
A place type	
fill in this form completely	79
The standard of the standard o	
Date Fleder (APA) OWNER INFORMATION B 3 LOCATION OF WELL	
8 MM DD YY 13	
TOU BYDINGS 8 COUNTY 21	
15 Last Name Owner First Name 34	
1) 64 Columbia Gatura DR 23 SUBDIVISION 31	42
36 Street or RFD 55 SECTION LOT LOT 10 10 10 10 10 10 10 10 10 10 10 10 10	
Lalumba, Ad 21046 - Ethical Latin	
57 Town 70 State 72 Zip 76 52 NEAREST TOWN	71
DRIMER INFORMATION 52 NEAREST TOWN	′'
Itratien Houseman MSD 224	
Driller's Name 76 License No. 81 B 4	
Firm Name SOURCES OF DRILLING WATER 1 UR II WALKE 11 STREETADDRESS	30
Co was and washing to a company	
ON WHICH SIDE OF HOAD	ORTH N
Address Agent 11-1-19 Bentante Quik (CIRCLE APPROPRIATE BOX)	
Signature Date Court 34 30 37	SEASI
B 2 WELL INFORMATION 5 DISTANCE FROM ROAD	C+
1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 8 12 ENTER FT OR MI	8, 39
AVERAGE DAILY QUANTITY NEEDED 500 BLK: 23 PARCEL	148
(GAL. PER DAY) 14 20	
USE FOR WATER (CIRCLE APPROPRIATE BOX) NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL	
PRIGATION	
F FARMING (LIVESTOCK WATERING & AGRICULTURAL 1	1
IRRIGATION) COUNTY NAME COUNTY NO.	
22 I INDUSTRIAL, COMMERCIAL, DEWATERING STATE SIGNATURE INSERT S	
P PUBLIC WATER SUPPLY WELL DATE ISSUED A 1	41 . t
T TEST, OBSERVATION, MONITORING	<u> </u>
O C. EL COO! GEOTIES INTE	TE
C CLOSED LOOP GEOTHERMAL DON: 1/2 1/2020(57) DOG: 1/27/2020(57) DOY: 1/27/20	20/59
PROPOSED LOCATION OF WELL ON LOT	
APPROXIMATE DEPTH OF WELL SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS SUCH AS	
24 28 ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN DISTANCE MEASUREMENTS TO WELL	WO
APPROXIMATE DIAMETER OF WELL NEASONEMENTS TO WELL NEASONEMENTS TO WELL	
METHOD OF DRILLING (circle one)	
BONED (of Augered) JETTED Jetted & DRIVEN	
3 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)	E
	1
Other	
REPLACEMENT OR DEEPENED WELLS	,
(CIRCLE APPROPRIATE BOX)	
N THIS WELL WILL NOT REPLACE AN EXISTING WELL	
THIS WELL WILL REPLACE A WELL THAT WILL BE	
ABANDONED AND SEALED THIS WELL WILL PERIACE A WELL THAT WILL BE LICED	4
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 DEEPEN AN EXISTING WELL Spale Spale Spale	
PERMIT NUMBER OF WELL TO BE REDUACED OR DEEDENED 300', NO WARD	
(IF AVAILABLE) 41 — 52 N	
Not to be filled in by driller (MDE OR COUNTY USE ONLY)	
APPROP. PERMIT NUMBER HO 2018 GO 04 1/22/20	
HO 18 OLGO Trilled Too', dry.	
PERMIT No. 70 71 72 73 74 75 76, 77 78, 79 200 - new hale Reduck: 24	
SPECIAL CONDITIONS RADIUM SAMPLES REQUIRED NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED	(A)

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION 1800 Washington Blvd., Baltimore, Maryland 21230 (410) 537-3784

***	WATER WELL ABANDONMENT-SE	ALING REPORT FO	RM	*****	******
SU	BMIT COPIES OF COMPLETED FORM TO:		******	(A)	********
*	COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if add	ess needed)	Approve. 2/21/2		
*	WELL OWNER		2/21/2	020	Hole
*	MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGR	AM			
DA	TE WELL ABANDONED: 1-27-20 (mc	onth/day/year)		1	
*	PERMIT NUMBER OF ABANDONED WELL (if any)		· ·	 .	
*	PERMIT NUMBER OF REPLACEMENT WELL:	· · <u>-</u>	HO - 1	8 -01	60
*	PERSON ABANDONING WELL: Andrew Houseman W	ELL DRILLER'S I		MBER:	2 <i>4</i>
*	OWNER'S NAME: TOLL Brothers			ATION MAP	
*	WELL LOCATION:		>	2	
	COUNTY: NEAREST TOWN: Elicate Card		1	Ž	
	TAX MAP 23 BLOCK 23 PARCEL 148	ρ	dia 1		
	SUBDIVISION: KINGS FACEST	1	3		
	SECTION: LOT: 3		TU 3	>	
	STREET ADDRESS: <u>Pudding lane</u>	I X	1/5	•	4
	LATITUDE 39.255222		1		
	LONGITUDE 7 6 . 8 8 1 2 1 1	Lo	OG OF SEAL	ING MATERIA	L
		MATTER		FE	ET
		MATER	IAL	FROM	то
				TROM	10
ak:	TYPE OF WELL BEING ABANDONED:	0 1/		Em	-
•	DRILLEDJETTED	withnes	5	500	50
	BORED HAND DUG		;		9
	OTHER (specify) Day Hole	Bentonis	fe	50	0
	•				
*	USE CODE:				
	DOMESTICMUNICIPAL/PUBLICIRRIGATIONINDUSTRIAL				
	TEST/OBSERVATIONGEOTHERMAL				
	,	1	OLUME OF M	IATERIAL USED)
*	TYPE QF CASING:	0 1	11 -		
	STEELPLASTIC	Bentoni	te 5	00/15	
	CONCRETEOTHER (specify)	Pursuant	to § 10-624 of t	he State Govt. Art	icle of the
		Maryland	Code, personal	info requested or form pursuant to	this form
		26.04.04.	Failure to provi	de the info may re	esult in
SIZ	E OF CASING: INCHES IN DIAMETER	this form, inspect, a	not being proce mend, or correc	ssed. You have the this form. The M	aryland
DEI	PTH OF WELL: 500 FEET DEEP	Departme	ent of the Enviro	nment is subject t tion Act. This form	o the
		made ava	ilable on the Int	ernet via MDE's v	vebsite and
WA	S ANY CASING REMOVED?YESNO If yes, length removed, in feet:	by the pu	iblic and other g	copying, in whole overnmental age	e or in part, ncies, if not
		protected	by federal or S	tate Law.	
WA	S CASING RIPPED OR PERFORATED?YESNO				
	Holely I have	224 MV	WD MSD/ M	GS 1-27-	20 @
SIGN	NATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#	/	CIRCLE ONE	D	ATE

FOGLE'S WELL DRILLING, LLC P.O. Box 202 Woodbine, Md 21797 443-609-4195 FIELD DATA SHEET HOWARD COUNTY WELL YIELD TEST

Well Permit No. <u>HO-18-0160</u> Date: <u>January 27, 2020</u>

Location of Property: Pudding Lane Ellicott City, Md

Subdivision: Kings Forest Lot#: 31

Well Driller/Tech: <u>Fogles Andrew Houseman MSD224</u> Owner/Buyer: <u>Toll Brothers</u>

Depth of Well: 425' Casing: 26' of 6" Steel Casing Pump Depth: 405'

Distance of measuring point (M.P.) above ground: 2'

Static water level (S.W.L.) below M.P.:__41'__

High rate pumping -reservoir Drawdown

Time pump started: _7:30 Pumping rate: _15

Total time 60 Mins to reach pumping water level 194 ft. below M.P.

Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL Below M.P.	PUMPING RATE Time to fill 1 gallon bucket	FLOW METER READING (if used)	(gallons per minute)
7:30	41'	4 Seconds		15 gpm
7:45	77'	4 Seconds		15 gpm
8:00	106'	4 Seconds		15 gpm
8:15	145'	4 Seconds		15 gpm
8:30	194'	17 Seconds		3.5 gpm
8:45	191'	17 Seconds		3.5 gpm
9:00	189'	17 Seconds		3.5 gpm
9:15	187'	17 Seconds		3.5 gpm
9:30	185'	17 Seconds		3.5 gpm
9:45	183'	17 Seconds		3.5 gpm
10:00	181'	17 Seconds		3.5 gpm
10:15	179'	17 Seconds		3.5 gpm
10:30	178'	17 Seconds		3.5 gpm
10:45	176'	17 Seconds		3.5 gpm
11:00	174'	17 Seconds		3.5 gpm
11:15	172'	17 Seconds		3.5 gpm
11:30	170'	17 Seconds		3.5 gpm
11:45	168'	17 Seconds		3.5 gpm
12:00	167'	17 Seconds		3.5 gpm
12:15	165'	17 Seconds		3.5 gpm
12:30	163'	17 Seconds		3.5 gpm
12:45	162'	17 Seconds		3.5 gpm
1:00	161'	17 Seconds		3.5 gpm
1:15	160'	17 Seconds		3.5 gpm
1:30	159'	17 Seconds		3.5 gpm
1:45	158'	17 Seconds		3.5 gpm
2:00	157'	17 Seconds		3.5 gpm
2:15	156'	17 Seconds		3.5 gpm
2:30	155'	17 Seconds		3.5 gpm
2:45	154'	17 Seconds		3.5 gpm
3:00	153'	17 Seconds		3.5 gpm



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

INTERIM CERTIFICATE OF POTABILITY PERMANENT DEVIATION FOR RADIUM

Expiration Date – July 24, 2024

January 24, 2024

Homeowner 10521 Pudding Lane Ellicott City, MD 21042

RE: Kingsley Woods, Lot 31

10521 Pudding Lane

Building Permit: B22000806 Well Permit: HO-18-0160

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 3/8/2023. Final approval of the well line connection to the dwelling was granted on 3/8/2023. The well construction was completed on 2/21/2020. Water samples were collected on 2/20/2023.

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 1/27/2020. Results showed a Gross Alpha level of 51.6 ± 5.9 pCi/L and a Gross Beta level of 23.8 ± 2.9 pCi/L. This exceeds the maximum contaminant level (MCL) of 15 pCi/L for Gross Alpha and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year).

After installation of a radionuclide removal device (water softener), post-treatment water samples were collected on 3/15/2023 and indicated a combined Radium 226/228 level of <1.0 pCi/L +- 0.7 pCi/L which is below the MCL of 5 pCi/L.

This Department will grant a **permanent deviation** to the Interim Certificate of Potability on condition that the radionuclide removal system effectively maintains a Gross Alpha level of less than **15 pCi/L**, a Gross Beta level of less than **50 pCi/L**, and a Radium 226/228 level of less than **5 pCi/L**.

Furthermore, it will be necessary for you to comply with the following conditions:

- 1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the residence.
- 2. It is recommended that a Maryland certified water laboratory certified for radionuclide analysis perform a <u>yearly</u> radionuclide analysis.



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

3. If you decide to sell or rent your home in the future, you <u>must</u> make any potential buyer/tenant aware of this permanent deviation. A person who fails to make this disclosure is subject to the penalties set out in COMAR 26.04.04.12F Enforcement and Environment Article 9-1311, Annotated Code of Maryland.

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-18-0160. 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 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 "<u>Homeowner Fact Sheet</u>" which illustrates a better understanding for your onsite sewage disposal system. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

Kevin M Wolf, L.E.H.S., R.E.H.S./RS, Supervisor

Groundwater Management Section

ha life

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 #:

157955

Account #:

Reference:

Kingsley Woods Lot 31

Client:

Fogle's Well Pump & Treatment

Location:

10521 Pudding Lane

Requested By: Dave Fogle

Ellicott City, MD 21042

Source:

Well Water

Date/ Time Collected: 3/15/2023

Site:

Prep Kitchen Sink

Date/Time Rec'd:

1316

Treatment:

Softener

Chlorine ppm:

3/15/2023 Free: ND

Total: ND

pH:

7.0

Collected By:

B. Wilkerson

2383BW

Well #:

HO-18-0160

PARAMETERS	RESULTS	UNITS	REFERENÇ	E METHOD *	DATE/TIME/ANALYST
Radium-226	0.3	pCi/L	****	903.0	3/27/2023 / 0859 / MJN
Radium-228	< 0.7	pCi/L	***	Ra-05	3/24/2023 / 1033 / SN
Gross Alpha, Short Term	2.1	pCi/L	15	900.0	3/20/2023 / 0706 / MJN
Gross Alpha, Long Term	< 0.9	pCi/L	15	900.0	3/23/2023 / 0716 / MJN
Gross Beta, Short Term	<1.5	pCi/L	50	900.0	3/20/2023 / 0706 / MJN
Gross Beta, Long Term	<1.5	pCi/L	50	900.0	3/23/2023 / 0716 / MJN

NOTES:

- 1 ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- 2 Long Term Gross Alpha Detection Limit: 0.9 pCi/L; Gross Alpha Error: +/- 0.7 pCi/L
- 3 Long Term Gross Beta Detection Limit: 1.5 pCi/L; Gross Beta Error: +/- 1.0 pCi/L
- pCi/L = picocuries per liter
- Radium 226 Detection Limit: 0.1 pCi/L; Radium 226 Error: +/- 0.1 pCi/L 5
- 6 Radium 228 Detection Limit: 0.7 pCi/L; Radium 228 Error: +/- 0.6 pCi/L
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 8 Short Term Gross Alpha Detection Limit: 1.0 pCi/L; Gross Alpha Error: +/- 1.1 pCi/L
- Short Term Gross Beta Detection Limit: 1.5 pCi/L; Gross Beta Error: +/- 1.0 pCi/L
- 10 Sub-contracted to Reference Lab #278
- 11 ND:None Detected
- 12 Visual well check: Sealed, vented cap
- pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test:

Use & Occupancy

Building Permit#:

B22000806

Date Reported:

3/28/2023

MD State Certification # 133

Brul Dela

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #:

157464

Account #:

Reference:

Kinsley Woods Lot 31

Client:

Fogle's Well Pump & Treatment

Location:

10521 Pudding Lane

Requested By: Dave Fogle

Ellicott City, MD 21042 Date/ Time Collected: 2/20/2023

Source: 1000 Site:

Well Water

Date/Time Rec'd:

1248

Treatment:

Pressure Tank

Chlorine ppm:

2/20/2023 Free: ND

Total: ND

pH:

None 6.9

Collected By:

J. Evans

0309JE

Well #:

HO-18-0160

PARAMETERS	RESULTS	UNITS RE	FERENC	E METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/21/2023 / 0840 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/21/2023 / 0840 / CRS
Nitrate.	< 0.40	mg/L	10	EPA 300.0	2/20/2023 / 1415 / TSD
Turbidity	7.43	NTU	<10	SM2130B	2/21/2023 / 1035 / MEW
Sand	ND	mg/L	5	Visual/Gravimetric	2/20/2023 / 1455 / TSD
Iron	0.74	mg/L	0.3*	Hach 8146	2/21/2023 / 1140 / MEW

NOTES:

- 1 *SMCL = Secondary Maximum Contaminant Level
- 2 mg/L = milligrams per liter (also, parts per million)
- 3 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 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
- Sample collected by client, analyzed as received 6
- 7 ND:None Detected
- 8 Visual well check: Sealed, vented cap
- 9 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test:

Use & Occupancy

Building Permit#:

22000806

Date Reported:

2/21/2023



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

March 31, 2020

Toll Brothers 7164 Columbia Gateway Drive Columbia, Maryland 21045

> RE: Kings Forest Lot 31 Pudding Lane Well Tag: HO – 18 – 0160

To Who it May Concern:

A sample was collected during a yield test on January 27, 2020 and submitted to the Maryland Department of Health 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 51.6 ± 5.9 picocuries/liter (pCi/L), while the Gross Beta level was 23.8 ± 2.9 pCi/L. The Gross Alpha result was above its maximum contaminant level (MCL) of 15 pCi/L, while the Gross Beta level was below (though higher than typically seen) its targeted standard 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, your "untreated" well water supply **does not** meet EPA regulatory standards. Given these initial readings, additional testing to further evaluate long-term **Gross Alpha**, **Gross Beta** and **Radium 226/228** will be required to secure the future Use & Occupancy. Treatment (a softener system and/or a point of use reverse osmosis (R/O)) can be considered; if installed then post-treatment levels to ensure the effectiveness of the installed treatment(s) will be needed. Please **note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be needed 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: Property file

Theresa Miller, Fogles

SEND REPORT TO: Be I NIXON

Howard County Health Department Bureau of Environmental Health 8930 Stanford Blvd. Columbia, Maryland 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Sciences
RADIATION LABORATORY

Lab No.	
	ster e-

1770 Ashland Avenue Baltimore, Maryland 21205

LABORATORY ANALYSIS REQUEST FORM

Plant/Site Name: King!s	Fou	st, Lo	+31		Count	y: 10	uo rd	
		10131 14		2160	Locat		Yell no., lab sink, s	
Radon 222 Bottle A	OSTO	GORA	F	Radon-222 I	Field Blank	Bottle	e A	
Bottle B						Bottle	В	
County 13			F	lant No.				
CHECK (one per Box)	-							
Type		Service			nt of Collection	,	Test	ng
Drinking Water	I .	nunity		Source (R			Emergency	
Landfill	Non-0	Community			on (treated)		Routine	Q
Stream	Privat			MCL			Recheck	
Other	Other						Special	
Submitters Code: 4 Collector: Susan	I.F.				al Project:	410-312	-6200	7
-010 (C/1		W(4)		_	Collected:			2:25 p.m.
Date Collected:	2020				C1.4			, , , , , , , , , , , , , , , , , , ,
Field pH: 7.5				Field	Chlorine:	negative		
Nitric Acid Preserved:	Yes	No		Iced:	Yes	No		
Remarks:) j +	41211	of 1-10	0-15-	0160			
☑ TEST	EPA Code	Lab No.	Method	No. R	esults (pCi/L)	Date Analyzed	Analyst	Date Reported
☑ TEST ☑ Gross Alpha	EPA Code 4000	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
TEST Gross Alpha Gross Beta	EPA Code 4000 4100	Lab No.	Method	No. R	esults (pCi/L)		Analyst	
Gross Alpha Gross Beta Radium-226	EPA Code 4000 4100 4020	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
Gross Alpha Gross Beta Radium-226 Radium-228	EPA Code 4000 4100 4020 4030	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Gross Beta ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium	EPA Code 4000 4100 4020 4030 4006	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Gross Beta ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A)	EPA Code 4000 4100 4020 4030 4006 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Gross Beta ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A) ☐ Radon-222 (Bottle B)	EPA Code 4000 4100 4020 4030 4006 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Gross Beta ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A) ☐ Radon-222 (Bottle B)	EPA Code 4000 4100 4020 4030 4006 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A) ☐ Radon Field Blank A	EPA Code 4000 4100 4020 4030 4006 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Gross Beta ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A) ☐ Radon-Field Blank A ☐ Radon Field Blank B	EPA Code 4000 4100 4020 4030 4006 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Gross Beta ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A) ☐ Radon-222 (Bottle B) ☐ Radon Field Blank A ☐ Radon Field Blank B ☐ Tritium	EPA Code 4000 4100 4020 4030 4006 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
☐ TEST ☐ Gross Alpha ☐ Radium-226 ☐ Radium-228 ☐ Total Uranium ☐ Radon-222 (Bottle A) ☐ Radon Field Blank A ☐ Radon Field Blank B ☐ Tritium ☐ Tritium	EPA Code 4000 4100 4020 4030 4006 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	Analyst	
Gross Alpha Gross Beta Radium-226 Radium-228 Total Uranium Radon-222 (Bottle A) Radon-Field Blank A Radon Field Blank B Tritium	EPA Code 4000 4100 4020 4030 4006 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/200	K+1	
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Gross Alpha Gross Beta Radium-226 Radium-228 Total Uranium Radon-222 (Bottle A) Radon Field Blank A Radon Field Blank B Tritium Date Received: Data Release Signature: Lab Sample Intact upon arrival?	EPA Code 4000 4100 4020 4030 4006 4004 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/2020 1/30/2020 Date:	K+1	Reported
Gross Alpha Gross Beta Radium-226 Radium-228 Total Uranium Radon-222 (Bottle A) Radon Field Blank A Radon Field Blank B Tritium Date Received: Data Release Signature:	EPA Code 4000 4100 4020 4030 4006 4004 4004 4004	Lab No.	Method	No. R	esults (pCi/L)	130/2020 1/30/2020 Date:	K+1	Reported

Howard County Health Department
Bureau of Environmental Health

8930 Stanford Blvd.

Columbia, Maryland 21045

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Sciences
RADIATION LABORATORY

1770 Ashland Avenue Baltimore, Maryland 21205

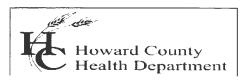
Lab No.	

LABORATORY ANALYSIS REQUEST FORM

UUI	uilibia, iliai ylailu 210	JTU	LAD	UNATURT.	AITALI SIS	REGULST	1.1		
Plan	t/Site Name: KING	Fore	st Lot	- 31		Count	y: <u>Ho</u>	ward	
Sam	ple Source: Kings	For	est Lo	+31		Locat	The state of the s	Blook sank, san	nple tap, etc.)
Rad	on-222 Bottle A Bottle B			1	Radon-222 F	eld Blank)	Bottle		BIFR
Cou	nty [13]	-]	Plant No.				
CHE	CCK (one per Box)								
Drin Lan Stre Oth	am 🗆	Comm Non-C Privat Other	Community e		Poin Source (Ra Distributio MCL		X	Testin Emergency Routine Recheck Special	g
Sub	omitters Code:	Tr.			Federa	l Project:			
	lector: Susan	Thon	<u>as</u>			one No.:	410-3	-	
Dat	e Collected: 1/5	1/2021	,			conceicu.		a.m	p.m.
Fie	ld pH: <u>5.5</u>				Field (Chlorine:	negative		
Nit	ric Acid Preserved:	Yes	No		Iced:	Yes			
1416	ne Acid I reserved.	103	110		icou.	100	110		
Rer	markṣ:		***						
Ø	TEST	EPA Code	Lab No.	Method	I No. Re	sults (pCi/L)	Date Analyzed	Analyst	Date Reported
0/	Gross Alpha	4000	150!	FDAga		2.0	1/30/2020	1241	1/31/2020
	Gross Beta	4100	150	F. PAGO	D.D. C.	4.0	1130 2070	(2H	1/31/2020
	Radium-226	4020							
	Radium-228	4030							
	Total Uranium	4006							
	Radon-222 (Bottle A)	4004							
	Radon-222 (Bottle B)	4004					,		
	Radon Field Blank A	4004							
	Radon Field Blank B	4004						-	
	Tritium								
Dat	te Received: 1-28	70	2.0	Receive	ed By:	Mas	- Be		
Dat	ta Release Signature:	-1	Mucrist	no The	12 m		Date:	02/	10/20
	Lab	Use Only			Yes	No	N/A		
San	pple Intact upon arrival?								
	nple pH <2.0?				2"				*
	eived within holding time?								

•Tel. No.: (443) 681-3766 •Fax No.: (443) 681-4507

Invoice



Bureau of Environmental Health Attn: Bert Nixon, Director

DATE: FEBRUARY 13, 2020

DATE OF SERVICE: JANAURY 27, 2020

INVOICE #: 2020-001

8930 Stanford Boulevard, Columbia, MD 21045 Phone 410-313-2640 Fax 410-313-2648 www.hchealth.org

BILL Toll Brothers

7164 Columbia Gateway Drive Columbia, Maryland 21046

COMMENTS

Payment due upon receipt. Letter and results will be released upon

receipt of payment.

DATE	DESCRIPTION	BALANCE	AMOUNT
1/27/2020	Gross Alpha/Beta testing performed for Kings Forest Lot 31 HO - 18 - 0160		\$45.00
l			
			AMOUNT DUE
			\$45.00

Please detach and return with payment.

REMITTANCE	
Invoice #	2020-001
Site Information	Kings Forest Lot 31
Amount Due	\$45.00

RECU'D 3/13/20 #67342

Make Checks Payable to: Director of Finance Mail Payments to: Bureau of Env. Health

Real Property Data Search ()
Search Result for HOWARD COUNTY

View Map	View GroundRent Redemption				View GroundRent Registration						
Special Tax Recaptu	ıre: None						***************************************	***************************************		***************************************	
Account Identifier:		Dis	trict - 03 /	Accour	t Number	- 60344	.]				
				Ov	ner Infor	mation					
Owner Name:		TOI	L MID AT	LANTIC	LP COME	ANYINO		se:		RESII	DENTIAL
							P	rincipal Reside	ence:		
Mailing Address:		1140	VIRGINIA	A DR				eed Reference	e:		
		FOR	RT WASH	NGTON	NMD 19034	4-					
			Loc	ation 8	& Structur	e Inform	nation				
Premises Address:		PUI	DDING LN	I			L	egal Description	on:	LOT 3	31 1.147 A.
		ELL	ICOTT CIT	Y 2104	2-0000						DING LANE
	·····		Market Accessor and a second an				n. mais n. kamanangan perkinti di 44.4000, yai yaika			KING	S FOREST
Map: Grid: Parcel:	_		Subdivi	ision:	Section:	Block:		sessment Year		Plat No:	
0023 0023 0148	3020204	4.14	2004				31 20	22		Plat Ref	25764-68
Town: None											
Primary Structure B	Built A	bove Gra	de Living	Area	Finished	d Basem	ent Are	a Property	Land	Area	County Use
								1.1470 AC			
Stories Basement	Type	Exterior	Quality	Full/H	lalf Bath	Garag	e Last	Notice of Majo	r Imp	roveme	nts
		/	_								
				Va	lue Inforn	nation					
		Ra	se Value		Value		Phase-in Assessments				
			25¢ value		As of		As			As of	
					01/01/2	022		01/2022		07/01/202	23
and:		210	5,400		197,600)					
mprovements		0			0						
otal:		210	6,400		197,600)	197,	600	1	97,600	
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Seller:				Date:			***************************************	Price:			
Type:				Deed				Deed2:			
Seller:	***************************************			Date:			***************************************	Price:		***************************************	
Гуре:				Deed	11:			Deed2:			
•				Exem	ption Info	rmation	1				
Partial Exempt Asse	ecmente	: Clas	cc					7/01/2022		07/01	/2023
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State:		000					_	.00			
Municipal:		000					_	.00.010.00		0.001	0.00
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					Applicati	on inter	mation				
Homestead Applica	tion Stat	**********					***************************************			***************************************	menny' jakolahle elektrologiaja jakolahle elektrologia jakolahle
		Ho	omeowne	rs' Tax	Credit Ap	plicatio	n Inform	ation			
Homeowners' Tax C	redit Apı	olication	Status: N	ilaaA o	cation		D	ate:			



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: Fogle's Well Pump + Water Treatment, LLC Telephone #: 410-795-1535 Address: P.D. Box 63 Woodbine, Maryland 21797 Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer License # and name of individual responsible for the field installation: Name (Print): Dave C. Fogle License# MSD226 *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: Lot #: 3 Well Tag #: HO - 18 - 0160 Subdivision: Site Address Submersible Pump Data Well Cap and Electric Conduit Make: Campbell Two piece watertight cap: yes Model #: Model#: N/A Screened, vented well cap: yes Cap secured to casing: yes Pump Capacity GPM Depth: 36" (36" min) Well Yield: 3.5 GPM NSF/WSC approved: yes Depth of well encountered at time of pump installation: 425 (feet) Conduit min 18" B.G.: yes 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 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 N/A Piping to house Type: 1" poly pipe PVC sleeve to undisturbed soil at wall penetration: yes PSI: 200 psi (160 psi min) Length of sleeve (5' minimum from foundation): 6' 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 For Health Department Use Only - Not to be completed by Installer Date Insp. Requested: 12/7/22 Date Insp. Approved: Inspector: Pitless adapter watertight & water supply line at least 36" below grade Inspection Data: 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

(Revised form 10/24/2018)



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

OPERATION AND MAINTENANCE AGREEMENT FOR AN ON-SITE SEWAGE DISPOSAL SYSTEM HAVING AN ADVANCED PRE-TREATMENT SYSTEM

International State of the Stat	I IIII
THIS AGREEMENT is made this	referred to as o as the "County".
WHEREAS, Owner is the owner or contract owner of a parcel of land local (18) - 10521 Parcel (19) (19) (19) (19) (19) (19) (19) (19)	orded among the Land Parcel # /48, Deed
WHEREAS, The Property is suitable for the installation of a conventional of disposal system with an advanced pre-treatment system, utilizing best avail perform nitrogen reduction, in accordance with the Code of Maryland Regueffective November 24, 2016. The pre-treatment device being installed is	able technology to
NOW, THEREFORE, the parties hereto agree as follows:	
A. Owner hereby grants to the County the right to enter upon the Property a with prior notice for access to the system to make periodic inspections and provide any information and data in Owner's possession reasonably reques County.	the Owner agrees to
B. Owner acknowledges and agrees that neither the County nor any of its a either officially or individually, underwrites the operation of any system ap	
C. The Owner will devote reasonable care and effort to the operation and m system in perpetuity or until a public sewer connection is made so that a sy not the result of poor maintenance, faulty operation, or neglect.	
D. The Owner agrees to enter into a contract reasonably acceptable to the Owith a private entity to operate and maintain on a regularly scheduled basis advanced pre-treatment system. The owner shall supply a copy of the contract reasonably acceptable to the Owith a private entity to operate and maintain on a regularly scheduled basis	an approved

Website: www.hchealth.org Facebook: www.facebook.com/hocohealth Twitter: @HoCoHealth

E. This agreement shall run with the land and upon Owner's taking title to the Property shall bind the Owner, their heirs, successors, and assigns to the provisions of the agreement as long as

when it is renewed or altered.

the property is in existence and after installation of the system. Owner further agrees that they shall inform in writing any subsequent purchaser or lessee of the Property that the system shall require maintenance or other attention. Upon taking title to the Property, the Owner agrees to cause this agreement to be recorded in the Land Records of Howard County and assure that it becomes part of the Deed for the subject property in order that prospective buyers may be aware of the special conditions affecting this property.

- F. This agreement shall not be construed to limit any authority of the County to protect the public health, safety or comfort or to issue any other orders to take any other action which is now or may hereafter be within its authority.
- G. This agreement may be voided at any time at the discretion of the County.
- H. This agreement contains the entire agreement and understanding between the County and the Owner. There are no additional terms other than as contained in this agreement. This agreement may not be modified, except in writing signed by each of the parties or by their authorized representatives.
- I. The laws of the State of Maryland govern the provisions of all transactions pursuant to this agreement.
- J. Owner acknowledges and agrees that interior renovations to increase the number of bedrooms or an increase in living space shall not be permitted without approval from the County.

IN WITNESS WHEREOF, the parties have signed this agreement on the date indicated above.

Howard County Health Department		
Owner #1 Signature Date	Owner#2 Signature Date	20
Owner #1 Print Name	Owner #2 Print Name	
Buyer #1 Signature Date	Buyer #2 Signature Date	
Buyer #1 Print Name	Buyer #2 Print Name	



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

AGREEMENT FOR APPROVAL OF AN INDIVIDUAL DRINKING WELL WITH AN ON-SITE TREATMENT SYSTEM

This agreement is entered into by and between the Howard County Health Department ("the Health
Department") and Ruby Chang and Cameron Petty ("the Owner")
WHEREAS, the Owner owns a tract of land at street address 19521 Pudding Lane and the deed and subdivision plat of the property is recorded
and the deed and subdivision plat of the property is recorded
among the Land Records of Howard County, Maryland, Tax Map # 건ろ , Block # フォ, Parcel #
148, Deed Reference # 15769 - Sand Tax Account # 663 441 ("the Property").

WHEREAS, the Property lacks an available public drinking water source and is required to have and individual well as the source of drinking water for the residence of the property.

WHEREAS, the Owner has installed a residential drinking well under well permit $\frac{HO - 18 - 160}{4}$ has been tested by the Health Department (or a private laboratory certified to perform testing) for radionuclide particles. The results of the tests have shown that the gross alpha particle content and/or the gross beta particle content and/or the combined radium 226/228 levels exceeds the standards of 15 picocuries per liter (pCi/L), 4 millirems per year (mrem/yr) and/or 5pCi/L respectively.

WHEREAS, The Maryland Department of the Environment (MDE) has promulgated rules and regulations under which a Certificate of Potability may be issued and has delegated the authority to issue such Certificate to the Health Department.

WHEREAS, MDE regulations permit the Health Department to issue as a special condition, a permanent deviation to the Certificate of Potability for individual wells where treatment has been installed to meet the maximum contaminate levels (MCL's) for radionuclides.

WHEREAS, MDE has determined that radium can be effectively removed from the drinking water by the use of treatment devices (e.g., ion exchange or reverse osmosis).

WHEREAS, the Owner is requesting that the Health Department issue a Certificate of Potability contingent upon installation and maintenance of a water treatment device to reduce radionuclides.

WHEREAS, neither the Owner nor the Health Department has knowledge of an alternative safe source of water for the Property.

NOW THEREFORE, the parties have agreed to the following terms and conditions:

- 1. The Owner will record this Agreement among the Land Records of Howard County, Maryland and provide confirmation to the Health Dept.
- 2. The Owner agrees to install and maintain a water treatment device, which effectively reduces the gross alpha, gross beta and radium levels to below their respective MCL. The Health Department shall verify that the treatment device is operating effectively and the Owner agrees to allow access to the Health Department to collect a follow-up sample(s).



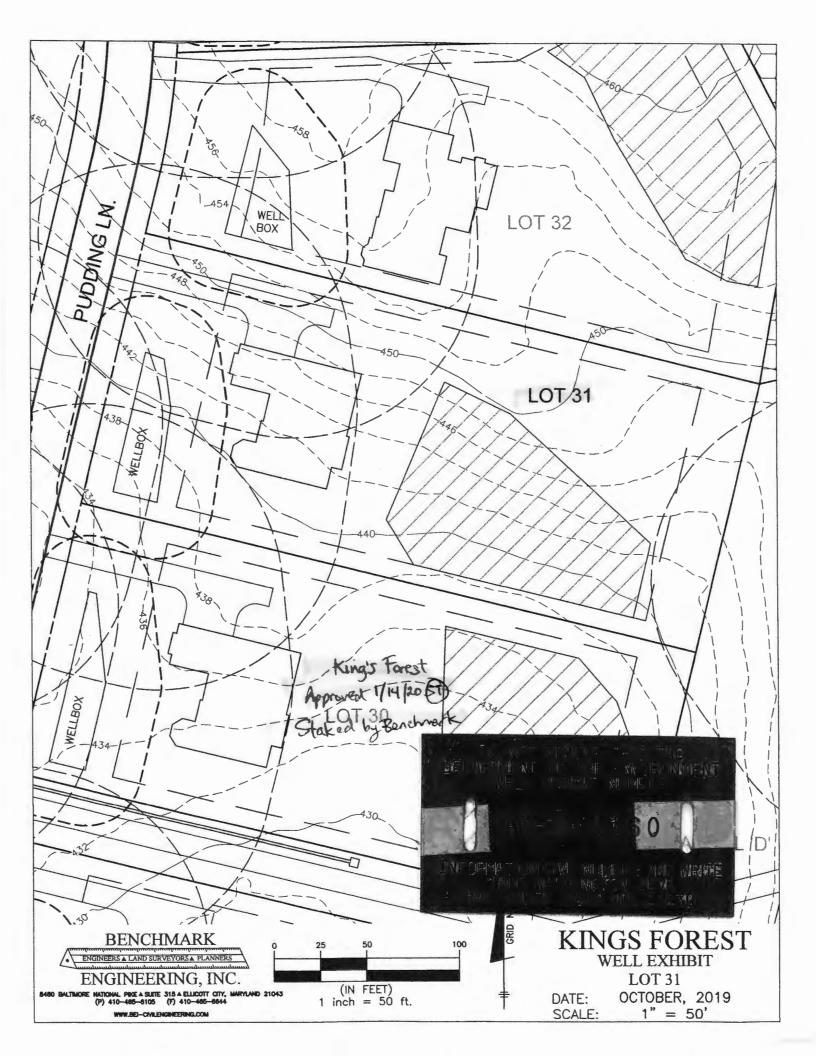
- 3. The Health Department shall issue a Certificate of Potability for the well once follow-up sampling shows acceptable gross alpha, gross beta (short and long term) and radium 226 / 228 levels.
- 4. The Owner agrees that there shall be no liability on part of the Health Department for any immediate or long term impacts to health or property, under any circumstance or including, but not limited to, treatment device failure, improper maintenance or installation, or defect. The Health Department does not warranty or guarantee that the device will adequately or properly function and the Owner agrees to implement and pay for any necessary changes or corrections.
- 5. The Owner acknowledges and agrees that neither the Health Department nor any of its agents or employees, either officially or individually, underwrites the operation of any system or treatment device.
- 6. This Agreement shall not be construed to limit any authority of the Health Department to protect the public health, safety or enjoyment of property or to issue any other orders to take any other action, which is now or may hereafter be within its authority.
- 7. This agreement contains the entire agreement and understanding between the Health Department and the Owner. There are no additional terms other than as contained in this Agreement. This Agreement may not be modified except in writing signed by each of the parties or their authorized representatives.
- 8. The Agreement shall run with the land and binds the Owner, his heirs, successors, and assigns. The owner agrees to provide a copy of this agreement to any purchaser or lessee of the property.
- 9. The laws of the State of Maryland govern the provisions of all transactions.

The parties have signed this Agreement on the dates set forth below.

Howard County Health Department Date

396	3/16/2013		
Owner	Date	Buyer	Date
ClopA	3/16/2023		
Owner /	Date	Buyer	Date
6			
$\alpha \sim 100$	/ /		







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

MEMORANDUM

TO:

Fogle's Well Drilling

580 Obrecht Road Sykesville, MD 21784

FROM:

Susan Thomas

Environmental Health Specialist 🕤 1421/19

Howard County Health Department

Well & Septic Program

RE:

Kings Forest Subdivision - Well Permits Lots 1-36 and Parcel D

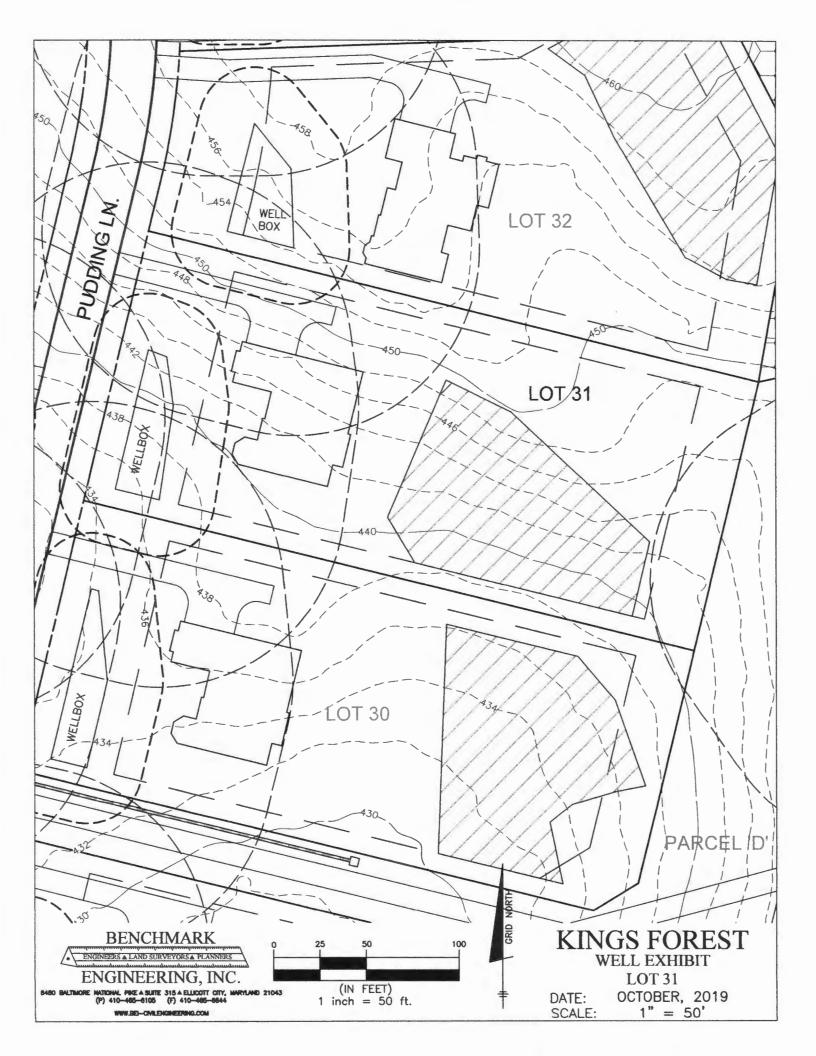
Special Conditions for wells

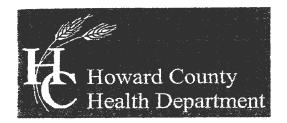
DATE:

December 26th, 2019

The following comments apply to the above referenced Well Permit Applications. Please read through and complete as needed.

- A. Lots 17, 26, 27, and 33-35 will require 50' of Steel Casing or 10' into competent bedrock, whichever is deeper.
 - 10. A waiver for the location of the septic systems and wells, as shown on [Revised Percolation Certification Signed 11/12/2019] has been approved by MDE. As a condition of the approved [sic] of this waiver the initial and all replacement wells on lots 17, 26, 27, and 33 35 will require Steel Casings to be installed to 50' or 10' into competent bedrock, whichever is deeper.
- B. All lots in the Kings Forest Subdivision are within the Baltimore Gneiss Formation and will require Water Quality Tests for Radium to be collected at the time of the Yield Test.
- C. If the wells on Lot 13 or Lot 28 are within 10' of the driveway the well must be surrounded by bollards.
- D. Lots 2, 8, 9, 13, 18, 21, 24, 26, 27, 28, 33, 34 and 35 will require samples for Sodium, Chloride and TDS to be collected at the time of the Yield Test.





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
Twitter: HowardCoHealthDep

-::: .

Dr. Maura J. Rossman, M.D., 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:	#		
KINGS FOREST Subdivision/Property Name	#18thry 35 — parcel D Lot#	Pudding Lane Road Name	
The well site has been st (professional land surveyor or on OCA 22, 20	aked by <u>B</u> csompany employing p	orofessional land surveyors) se) and does not require a site insp	ection.

☐ 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.

ALEO COL
and o

HOWARD COUNTY HEALTH DEPARTMENT

66429

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