

OS-363438

EMERGENCY/TEMP NO. IF ANY

TAC RETURNED 2 DISHOYO

**B 1** SEQUENCE NO. (MDE USE ONLY) **41829** STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type **559780-1** STATE PERMIT NUMBER **10/10/2017** **HO-17-0134** fill in this form completely

**Date Received (APA)** 01/20/16  
**OWNER INFORMATION**  
 8 MM DD YY 13  
 15 Last Name Kurichh Rajeev + Anuja Owner First Name 34  
 26 Blackburn Court  
 36 Street or RFD 55  
 57 Town Burtonsville MD 20886 70 State 72 Zip 76

**B 3** LOCATION OF WELL  
Howard  
 8 COUNTY 21  
 23 SUBDIVISION 42  
 SECTION 44 46 LOT 48 50  
Clarksville  
 52 NEAREST TOWN 71

**DRILLER INFORMATION**  
C. John Hess MWD 353  
 Driller's Name 76 License No. 81  
Allied Environmental Services  
 Firm Name  
PO Box 129 Annapolis Junction MD 20701  
 Address  
John Hess 09/25/16  
 Signature Date

**B 4** SOURCES OF DRILLING WATER  
 1. Public  
 2.  
 3.  
2942 Brighton Dam Rd  
 11 STREET ADDRESS 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  
 WEST EAST  
 SOUTH  
 34 800 37  
 DISTANCE FROM ROAD FT  
 ENTER FT OR MI 38 39  
 TAX MAP: 0334 BLK: 10 PARCEL 0269

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

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**  
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 I INDUSTRIAL, COMMERCIAL, DEWATERING  
 P PUBLIC WATER SUPPLY WELL  
 T TEST, OBSERVATION, MONITORING  
 O OPEN LOOP GEOTHERMAL  
 C CLOSED LOOP GEOTHERMAL 8 loops

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
Howard 13  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE INSERT S → 41  
 DATE ISSUED 4/23/17 SLC 4/23/18  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 319 FEET  
 24 28  
 APPROXIMATE DIAMETER OF WELL 6 INCH  
 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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)**  
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 D THIS WELL WILL DEEPEM AN EXISTING WELL  
 PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 \_\_\_\_\_ 52

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.

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
 APPROX. PERMIT NUMBER \_\_\_\_\_ **G** \_\_\_\_\_  
 PERMIT No. HO-17-0134  
 70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS**  
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Monarch Develop

Must contain drill cuttings - cannot reach stream.  
 Prior to approval of completion report, update site plan w/ measurements off house.

OS-363438

EMERGENCY/TEMP NO. IF ANY

TAC RETURNED & DESTROYED

B 1 **41829** SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type **559780-A** STATE PERMIT NUMBER **HO-17-0134** *10/10/2019*  
70 79 *fill in this form completely*

Date Received (APA) **09/28/16**  
**8** MM DD YY **13**  
**15** Last Name **Owner** First Name **34**  
**36** Street or RFD **55**  
**57** Town **70** State **72** Zip **76**  
**OWNER INFORMATION**  
**Kurichh Rajeev + Anuja**  
**26 Blackburn Court**  
**Burtonsville MD 20884**

B 3 **LOCATION OF WELL**  
**Howard**  
**8** COUNTY **21**  
**23** SUBDIVISION **42**  
**SECTION** **44** **46** **LOT** **48** **50**  
**Clarksville**  
**52** NEAREST TOWN **71**

**DRILLER INFORMATION**  
**John Hess MWD 553**  
**76** License No. **81**  
**Allied Environmental Svcs**  
**PO Box 129 Annapolis Junction MD 20701**  
**John Hess** **09/25/16**  
**Signature** **Date**

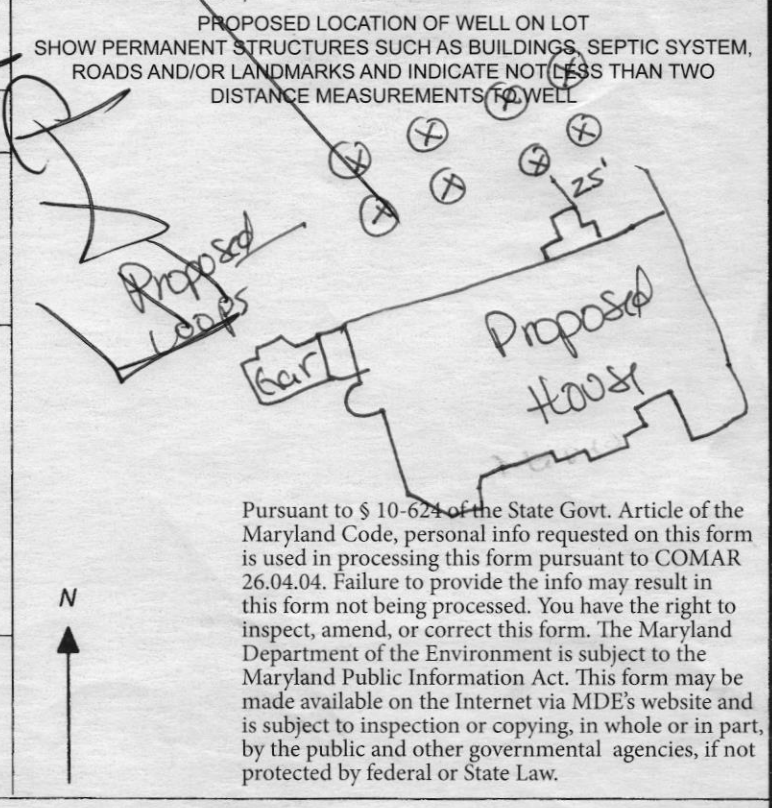
B 4 **SOURCES OF DRILLING WATER**  
**1. Public**  
**2.**  
**3.**  
**12942 Brighton Dam Rd**  
**11** STREET ADDRESS **30**  
**ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)**  
 NORTH  
 WEST  
 EAST  
 SOUTH  
**34** **800** **37**  
**DISTANCE FROM ROAD** **FT**  
**ENTER FT OR MI** **38** **39**  
**TAX MAP: 0034** **BLK: 10** **PARCEL 0269**

B 2 **WELL INFORMATION**  
**1** **2** **APPROX. PUMPING RATE (GAL. PER MIN.)** **8** **12**  
**AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)** **14** **20**

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 OPEN LOOP GEOTHERMAL  
 CLOSED LOOP GEOTHERMAL  
**8 loops**

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
**Howard** **(13)**  
**COUNTY NAME** **COUNTY NO.**  
**STATE SIGNATURE** **INSERT S** **41**  
**DATE ISSUED** **4/28/17** **SUB ALL** **4/28/18**  
**43** MM DD YY **48** **CO SIGNATURE** **EXP. DATE**

**APPROXIMATE DEPTH OF WELL** **319** **FEET**  
**24** **28**  
**APPROXIMATE DIAMETER OF WELL** **6** **NEAREST INCH**



**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 DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)**  
 THIS WELL WILL NOT REPLACE AN EXISTING WELL  
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 THIS WELL WILL DEEPEM AN EXISTING WELL  
**PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)** **41** **52**

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
**APPROX. PERMIT NUMBER** **G**  
**PERMIT No.** **HO-17-0134**  
70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS**  
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

March Develop

Must contain drill cuttings - cannot reach stream.

MDE/WMA/PER.071 Prior to approval of completion report, update site plan w/ measurements off house.

1  
41829  
1 2 3 6

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL  
please type

STATE PERMIT NUMBER  
HO - 17 - 0134  
70 fill in this form completely 79

**OWNER INFORMATION**  
Date Received (APA) 8 MM DD YY 13  
15 Last Name Owner First Name 34  
26 Blackburn Court  
36 Burtonsville MD 20886  
57 Town 70 State 72 Zip 76

**LOCATION OF WELL**  
Howard  
8 COUNTY 21  
23 SUBDIVISION 42  
SECTION 44 46 LOT 48 50  
Clarksville  
52 NEAREST TOWN 71

**DRILLER INFORMATION**  
C. John Hess M W D 553  
61 Driller's Name 76 License No. 81  
Allied Environmental Services  
61 Firm Name  
12121 Aringale Junction MD 20701  
61 Address  
C. John Hess 09/25/16  
61 Signature Date

**SOURCES OF DRILLING WATER**  
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1. Public  
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SOUTH  
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DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39  
TAX MAP: 0591 BLK: 10 PARCEL 0269

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T TEST, OBSERVATION, MONITORING  
O OPEN LOOP GEOTHERMAL  
C CLOSED LOOP GEOTHERMAL 8 loops

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
Howard 12  
COUNTY NAME COUNTY NO.  
STATE SIGNATURE INSERT S → 41  
DATE ISSUED 4/23/17  
43 MM DD YY 48 CO SIGNATURE S. G. Hill 4/23/18  
EXP. DATE

APPROXIMATE DEPTH OF WELL 319 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 LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

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PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
APPROP. PERMIT NUMBER G  
PERMIT No. HO - 17 - 0134  
70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS**  
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

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MDE/WMA/PER.071  
Must contain drill cuttings - cannot reach stream.  
Prov to approval of comp. DRILLER report, update site plan w/ measurements off house.

**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: Allied Well Drilling Telephone #: 301-776-8370  
Address: PO Box 129  
Donnapolis Junction, MD 20701

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer  
License # and name of individual responsible for the field installation:  
Name (Print): A. Caselle License# JWD 413

**\*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: Kurichh, Rajeev & Navjot Telephone #: \_\_\_\_\_  
Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO-11-15-0393  
Site Address: 12942 Brighton Dam Rd  
Abtakisville, MD

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>Franklin</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>108PD15S7</u>	Model #: <u>24.5-1012</u>	Screened, vented well cap: _____
Pump Capacity <u>7</u> GPM	Depth: <input checked="" type="checkbox"/> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>10</u> GPM	NSF/WSC approved: _____	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: <u>500</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, Cable guards, or other acceptable method used- Must circle one		
Safety rope, if used, attached to brass rope adapter or other acceptable method <u>inside of well casing</u>		

<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
Type: <u>HDPB</u>	PVC sleeve to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>5 ft</u>
Depth of supply line: <input checked="" type="checkbox"/> (36" min)	Sleeve caulked and sealed properly: <input checked="" type="checkbox"/>

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: 5/17/22

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

Date Insp. Requested: \_\_\_\_\_ Date Insp. Approved: \_\_\_\_\_ Inspector: \_\_\_\_\_  
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 seen 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 \_\_\_\_\_









Send Report To: Bert Nixon  
Howard Co. Health Dept.

State of Maryland  
DHHM-Laboratories Administration  
Division of Environmental Chemistry  
INORGANICS ANALYTICAL LABORATORY  
1770 Ashland Ave  
Baltimore, Maryland 21205  
WATER ANALYSIS



E17003126001

Received: 02/10/2017

Inorganic

HO-15-0393

8935 Stanford Blvd.  
Columbia, MD 21045

SAMPLE ID	Bottle Number	Ho-15-0393	Name	Kurich Property	County	Howard	County Code	13
	Location	12942 Brighton Dam Rd.		Clarksville	Data Category Code		4F	
	Collected: Date	2/9/17	Time	11:45 am	Collector & Phone	S. Collins 410-313-6287	Submitter Code	
	CHECK (one per box)							
	Drinking Water	<input checked="" type="checkbox"/>	Community	<input type="checkbox"/>	Source (raw water)	<input checked="" type="checkbox"/>	Emergency	<input type="checkbox"/>
	Landfill	<input type="checkbox"/>	Non-community	<input type="checkbox"/>	Distribution (treated)	<input type="checkbox"/>	Routine	<input checked="" type="checkbox"/>
	Stream	<input type="checkbox"/>	Private	<input checked="" type="checkbox"/>	MCL	<input type="checkbox"/>	Recheck	<input type="checkbox"/>
	Other	<input type="checkbox"/>	Other	<input type="checkbox"/>			Special	<input type="checkbox"/>
								5

FIELD	Plant No.	<input type="text"/>	Sampling Station	<input type="text"/>	Preservation: Iced	<input checked="" type="checkbox"/>	Acid	<input type="checkbox"/>	Type of Acid	
	pH	<input type="text"/>	Chlorine: Free	<input type="text"/>	Total	<input type="text"/>	Specific Conductance	<input type="text"/>		
	Notes to Lab/Remarks: Sample collected during yield test.									

CHECK TESTS	TESTS	Error Code	RESULTS
	Alkalinity (Total)		
	Ammonia - N		
✓	Chloride		
	Conductance*, Spec.		
✓	Dissolved Solids (Total)		
	Hardness		
	Fluoride		
	Nitrite, N		
	Nitrate - Nitrite, N		
	Sulfate		
	Total Solids		
	Turbidity*		
	Other:		

\* Results reported in Units, all others in milligrams per liter (ppm)

Number of Tests Requested

Section Chief \_\_\_\_\_

Date Reported \_\_\_\_\_



State of Maryland  
DHMH-Laboratories Administration  
Division of Environmental Chemistry  
**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 NoE17003126 Date Coll. 02/09/2017 Date Received 02/10/2017 Submitted By: S. Collins

Field ID: HO-15-0393  
Lab No.: E17003126001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	<10	mg/L	02/13/2017
Total Dissolved Solids	SM 2540C	107	mg/L	02/14/2017

### Comments:

Approved by: \_\_\_\_\_

*Shahin Amini*

Approval date: 02/21/2017

\*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.

Monarch

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

\*\*\*\*\*  
WATER WELL ABANDONMENT-SEALING REPORT FORM  
\*\*\*\*\*

SUBMIT COPIES OF COMPLETED FORM TO:

- \* COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- \* WELL OWNER
- \* MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

OK  
2/27/17 SC

DATE WELL ABANDONED: Jan 5 2016 (month/day/year)

\* PERMIT NUMBER OF ABANDONED WELL (if any) \_\_\_\_\_

\* PERMIT NUMBER OF REPLACEMENT WELL: \_\_\_\_\_

HO-15-0393

\* PERSON ABANDONING WELL: Pete Lankeau

WELL DRILLER'S LICENSE NUMBER: AWD 948

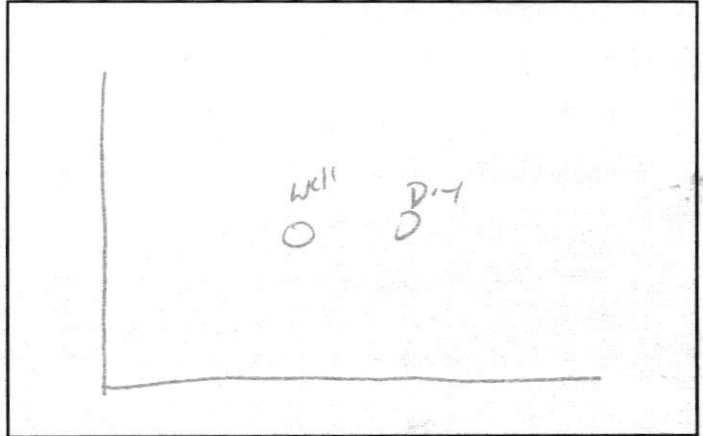
CIRCLE: MWD / MSD / MGD

\* OWNER'S NAME: Monarch Builders

\* WELL LOCATION:

SITE LOCATION MAP

COUNTY: Howard  
 NEAREST TOWN: Bartonsville / Clarksville  
 TAX MAP 34 BLOCK 10 PARCEL 269  
 SUBDIVISION: \_\_\_\_\_  
 SECTION: \_\_\_\_\_ LOT: \_\_\_\_\_  
 STREET ADDRESS: 12942 Briston Oak Rd



LATITUDE 39 . 20436 \_ \_

LONGITUDE 76 . 96188 \_ \_

\* TYPE OF WELL BEING ABANDONED:

LOG OF SEALING MATERIAL

- DRILLED
- BORED
- OTHER (specify) \_\_\_\_\_
- JETTED
- HAND DUG

MATERIAL	FEET	
	FROM	TO
Quick Grout	480	30
Hole Plus	30	0

\* USE CODE:

- DOMESTIC
- IRRIGATION
- TEST/OBSERVATION
- MUNICIPAL/PUBLIC
- INDUSTRIAL
- GEOTHERMAL

\* TYPE OF CASING:

- STEEL
- CONCRETE
- PLASTIC
- OTHER (specify) \_\_\_\_\_

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 480 FEET DEEP

WAS ANY CASING REMOVED?  YES  NO

If yes, length removed, in feet: 15

WAS CASING RIPPED OR PERFORATED?  YES  NO

VOLUME OF MATERIAL USED

25 bags Quick Grout 12 bags Hole Plus

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#

[Signature]

553

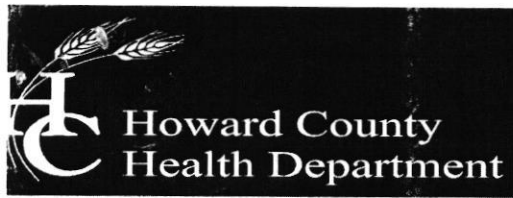
MWD / MSD / MGS

CIRCLE ONE

Jan 5/16

DATE

COUNTY



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](http://www.facebook.com/hocohealth)

Maura Rossman, M.D., Health Officer

March 3, 2017

Mr. Rajeev Kurichh  
 26 Blackburn Court  
 Burtonsville, Maryland 20866

RE: Kurichh Property  
 12942 Brighton Dam Road  
 Well Tag: HO - 15 - 0409

To Whom it May Concern:

A sample was collected during a yield test on February 9, 2017 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  $4.7 \pm 1.7$  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 well water supply **is meets** EPA regulatory standards. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. **Please note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy.

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

Sincerely,

  
 Bert Nixon, Director  
 Bureau of Environmental Health

Enclosure  
 ✓ cc: Property file

SEND REPORT TO: Bert Nixon  
 Howard Co Health Dept  
 Bureau of Environmental Health  
 8730 Stanford Blvd  
 Columbia, MD 21045

State of Maryland  
 DHMH - Laboratories Administration  
 Division of Environmental Chemistry  
**RADIATION LABORATORY**  
 1770 Ashland Avenue  
 Baltimore, Maryland 21205  
**LABORATORY ANALYSIS REQUEST FORM**

05 363438  
 Lab No. \_\_\_\_\_  
 MAILING ADDRESS  
 26 BLACKBURN CT.  
 BURTONSVILLE MD 20866

Plant/Site Name: Kurichh Property RAJESV County: Howard  
 Sample Source: 12942 Brighton Dam Rd Location: HO-15-0393  
CLARKSVILLE 21029  
 Radon-222 Bottle A \_\_\_\_\_ Radon-222 Field Blank Bottle A \_\_\_\_\_  
 Bottle B \_\_\_\_\_ Bottle B \_\_\_\_\_  
 County   Plant No.

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other _____ <input type="checkbox"/>	Other _____ <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code:   Federal Project:   
 Collector: S. Collins Telephone No.: 410-313-6287  
 Date Collected: 2/9/17 Time Collected: 11:45 a.m. \_\_\_\_\_ p.m.  
 Field pH: \_\_\_\_\_ Field Chlorine: \_\_\_\_\_  
 Nitric Acid Preserved: Yes  No  Iced: Yes  No

Remarks: Sample collected during yield test

✓	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	1630	EPA900.0	<2.0	02/13/17	JJ	02/14/17
<input checked="" type="checkbox"/>	Gross Beta	4100	1630	EPA900.0	4.7±1.7	02/13/17	JJ	02/14/17
<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							
<input type="checkbox"/>								
<input type="checkbox"/>								

Date Received: 2/10/17 Received By: [Signature]  
 Data Release Signature: [Signature] Date: 2-12-17

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

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

SEND REPORT TO: Bert Nixon  
 Howard Co. Health Dept  
 Bureau of Environmental Health  
 2932 Stanford Blvd.  
 Columbia, MD 21045

State of Maryland  
 DHMH - Laboratories Administration  
 Division of Environmental Chemistry  
**RADIATION LABORATORY**  
 1770 Ashland Avenue  
 Baltimore, Maryland 21205  
**LABORATORY ANALYSIS REQUEST FORM**

Lab No.  
 E001329 H107

Plant/Site Name: ~~Kurich Property~~ dH<sub>2</sub>O County: Howard  
 Sample Source: ~~12942~~ dH<sub>2</sub>O Location: HCHD Lab  
 (Well no., lab sink, sample tap, etc.)  
 Radon-222 Bottle A \_\_\_\_\_ Radon-222 Field Blank Bottle A \_\_\_\_\_  
 Bottle B \_\_\_\_\_ Bottle B \_\_\_\_\_  
 County 113 Plant No. \_\_\_\_\_

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other _____ <input type="checkbox"/>	Other _____ <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code: \_\_\_\_\_ Federal Project: 5  
 Collector: S. Collins Telephone No.: 410 313 6237  
 Date Collected: 2/9/17 Time Collected: \_\_\_\_\_ a.m. 3:00 p.m.  
 Field pH: \_\_\_\_\_ Field Chlorine: \_\_\_\_\_  
 Nitric Acid Preserved: Yes  No  Iced: Yes  No

Remarks: \_\_\_\_\_

✓	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	1629	EPA900.0	<2.0	02/13/17	JT	02/14/17
<input checked="" type="checkbox"/>	Gross Beta	4100	1629	EPA900.0	<4.0	02/13/17	JT	02/14/17
<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							
<input type="checkbox"/>								
<input type="checkbox"/>								

Date Received: 02/14/17 Received By: JT JT  
 Data Release Signature: \_\_\_\_\_ Date: 2-22-17

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

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



WELL DRILLING

P.O. Box 129

Annapolis Junction, MD 20701

[www.alliedwells.com](http://www.alliedwells.com)

Sarah Collins, L.E.H.S.  
Howard County Health Department  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045

OK  
6/12/18 SC

June 8, 2018

Re: Extension of Geothermal Permit HO-17-0134

Sara,

Please accept this letter as a formal request to extend the well drilling permit for 12942 Brighton Dam Rd. (Permit HO-17-0134).

Should you need anything further from my office, please contact me directly.

A handwritten signature in black ink, appearing to read "Andy Capelle".

Andy Capelle  
Allied Well Drilling



**B 1** SEQUENCE NO. (MDE USE ONLY) **41828** STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER **HO-15-0393**  
 1 2 3 6 **559780** please type **70** **fill in this form completely** **79**

**OWNER INFORMATION**  
 Date Received (APA) **09/28/16**  
 8 MM DD YY 13  
 15 Last Name **Kurichh Bajeer + Anyja** Owner First Name **34**  
 26 **Blackburn Court**  
 36 Street or RFD **55**  
 57 **Bartonsville MD 20866** 70 State 72 Zip 76

**B 3** LOCATION OF WELL  
**Howard**  
 8 COUNTY 21  
 23 SUBDIVISION 42  
 SECTION 44 46 LOT 48 50  
**Clarksville**  
 52 NEAREST TOWN 71

**DRILLER INFORMATION**  
**C John Hess** MWD **SS3**  
 Driller's Name 76 License No. 81  
**Allied Environmental Svc**  
 Firm Name  
**PO Box 129 Annapolis Junction MD 20701**  
 Address  
**C John Hess** 09/28/16  
 Signature Date

**B 4** SOURCES OF DRILLING WATER  
 1. **Public**  
 2.  
 3. **12942 Brighton Dam Rd**  
 11 STREET ADDRESS 30  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  
 WEST EAST  
 SOUTH  
 34 **300** 37  
 DISTANCE FROM ROAD FT  
 ENTER FT OR MI 38 39  
 TAX MAP: **0334** BLK: **10** PARCEL **6269**

**B 2** WELL INFORMATION  
 APPROX. PUMPING RATE **10**  
 (GAL. PER MIN.) 8 12  
 AVERAGE DAILY QUANTITY NEEDED **1,000**  
 (GAL. PER DAY) 14 20

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
**Howard** (13)  
 COUNTY NAME COUNTY NO.  
 STATE SIGNATURE INSERT S → 41  
 DATE ISSUED **12/14/16** **S. L. Gill** **12/14/17**  
 43 MM DD YY 48 CO SIGNATURE EXP. DATE

**USE FOR WATER (CIRCLE APPROPRIATE BOX)**  
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 INDUSTRIAL, COMMERCIAL, DEWATERING  
 PUBLIC WATER SUPPLY WELL  
 TEST, OBSERVATION, MONITORING  
 OPEN LOOP GEOTHERMAL  
 CLOSED LOOP GEOTHERMAL

**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  
**2/9/17**  
 - 10:15 am pump start - collected sodium chloride, TDS, + radium samples  
 - 3' static level  
 - 15 gpm  
 - 11:45 am  
 - 60' measuring point installed using 1" pipe  
 - water level approx. 30' below grade  
 - well may have been top off  
 - dry hole appears to have been sealed  
 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.

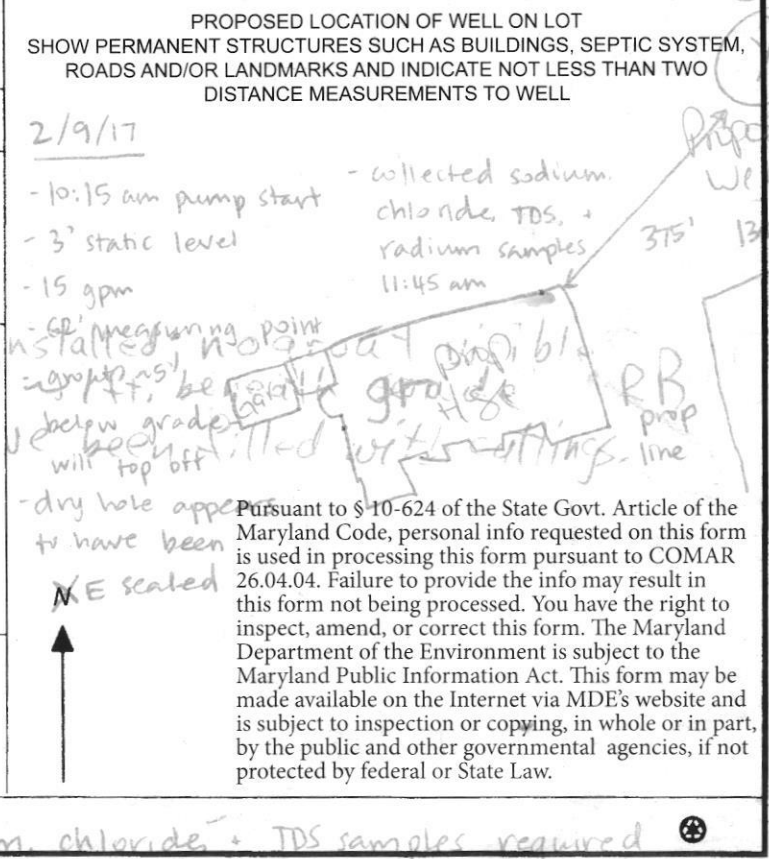
APPROXIMATE DEPTH OF WELL **500** FEET  
 24 28  
 APPROXIMATE DIAMETER OF WELL **6** NEAREST INCH

**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 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) 41 \_\_\_\_\_ 52

**Not to be filled in by driller (MDE OR COUNTY USE ONLY)**  
 APPROX. PERMIT NUMBER \_\_\_\_\_ **G** \_\_\_\_\_  
 PERMIT No. **HO-15-0393**  
 70 71 72 73 74 75 76 77 78 79

**SPECIAL CONDITIONS**  
 NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED  
**Radium, sodium, chloride + TDS samples required**



Monarch Development

at yield: Use 50' steel casing or 10' into bedrock, whichever is deeper.

Bert Nixon  
Howard Co. Health Dept.  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045



E17003125001

Received: 02/10/2017

Metals

HO-15-0393

HO-15-0393

Kurichh Property

Howard

12942 Brighton Dam Rd. Clarksville

S. Collins

2 9 17

11:45

410-313-6287

PS-  
02-10-17  
L2

✓

✓

✓

✓

✓

Sample collected during yield test.

✓

SMS

RECEIVED

## **INTERIM CERTIFICATE OF POTABILITY**

Expiration Date – NOVEMBER 17, 2022

May 17, 2022

Homeowner  
12942 Brighton Dam Road  
Clarksville, MD 21029

**RE: Kurichh Property, P. 269  
12942 Brighton Dam Road  
Building Permit: B16003304  
Well Permit: HO-15-0393**

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 **9/13/2021**. Final approval of the well line connection to the dwelling was granted on **5/17/2022**. The well construction was completed on **1/11/2017**. Water samples were collected on **6/29/2021, 7/12/2021**.

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 **2/9/2017**. Results showed a Gross Alpha level of **2.0 ± 0.0 pCi/L** and **Gross Beta** level of **4.7 ± 1.7 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-15-0393. 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.**



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

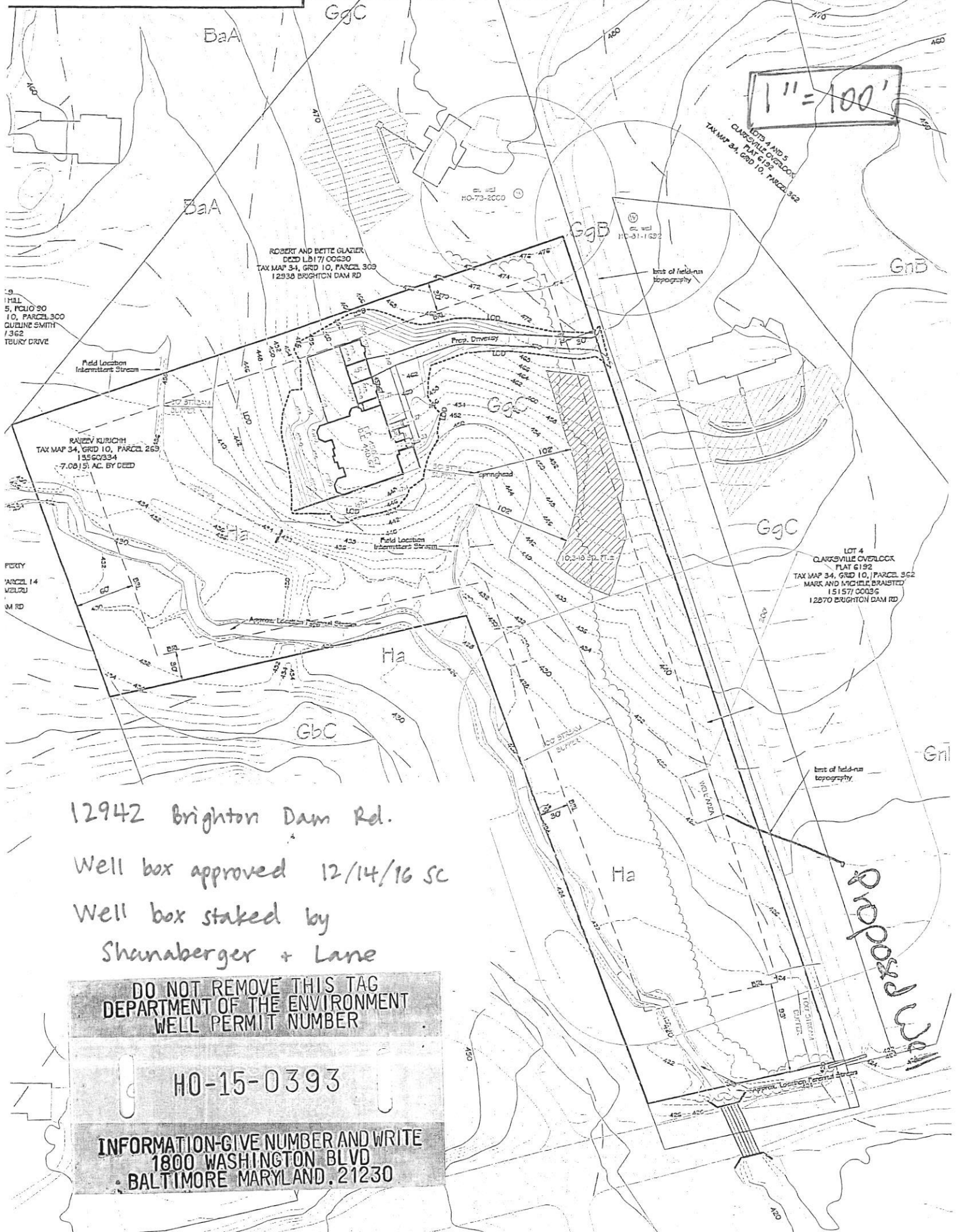
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a certified water quality laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website: <http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

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's 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



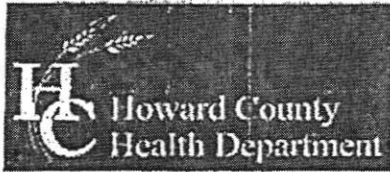
12942 Brighton Dam Rd.  
 Well box approved 12/14/16 SC  
 Well box staked by  
 Shanaberger + Lane

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

**HO-15-0393**

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

*Proposed Well*



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

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:  
12942 BRIGHTON DAM RD, CLARKSVILLE, MD 21029  
Subdivision/Property Name    Lot#    Road Name

- The well site has been staked by SHANABERGER + LANE,  
(professional land surveyor or company employing professional land surveyors)  
on 9-13-15 (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 3/11/05

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 145523 Account #: 35686  
Reference: Rajeev Kurichh Company: CASH ACCOUNT  
Location: 12942 Brighton Dam Road Requested By: Rajeev Kurichh  
Clarksville, MD 21029 Source: Well Water  
Date/ Time Collected: 6/29/2021 1010 Site: Pressure Tank  
Date/Time Rec'd: 6/29/2021 1409 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 7.3  
Collected By: R. Ott 0266RO Well #: HO-15-0393

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	6/30/2021 / 0915 / tsd
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	6/30/2021 / 0915 / tsd
Nitrate	<1.00	mg/L	10	601	6/30/2021 / 0915 / TSD
Turbidity	1.17	NTU	<10	SM20 2130B	6/29/2021 / 1550 / TSD
Sand	>5	mg/L	5	Visual/Gravimetric	6/30/2021 / 0810 / 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 # : B16003304

Date Reported: 6/30/2021

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #:	145753	Account #:	35686
Reference:	Rajeev Kurichh	Client:	CASH ACCOUNT
Location:	12942 Brighton Dam Road Clarksville, MD 21029	Requested By:	Rajeev Kurichh
Date/ Time Collected:	7/12/2021 1212	Source:	Well Water
Date/Time Rec'd:	7/12/2021 1430	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	None
Collected By:	J. Yeager 0819JY	pH:	7.3
		Well #:	HO-15-0393

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Sand	ND	mg/L	5	Visual/Gravimetric	7/12/2021 / 1530 / TSD

### NOTES:

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 ND:None Detected
- 4 Visual well check: Sealed, vented cap
- 5 pH & Chlorine level tested on site

**Reason for Test :** Use & Occupancy

**Building Permit # :** B16003304

Date Reported: 7/13/2021

12942

Brighton Dam

## FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
1/3/17	Allied on site drilling. 45' PVC casing installed - I informed Allied that 50' minimum steel casing must be used. Pete, the driller, said they'll probably end up drilling another hole b/c dry so far. They'll use steel on 2 <sup>nd</sup> hole. Currently at 240' ~12:30 pm. (SC)
1/4/2017	Called John to confirm well drilling activity on 01/04/2017. Casing Set, so far well is low yielding (J) John: → AWD948 PETE is on site (J)
Partly cloudy 57°F	On site for bore hole cleaning towards drilling the annular space. Pete AWD948 - Bedrock @ 15' / Drilled 120' Grey mica observed of sandy quality. <del>Used Quip Casing</del> (J)
11:40a	[12:05] I unsuccessful well on site. Installation of steel casing. 47.2' of steel casing. left at 13:21. (J)
01/18/2017	Email correspondence to follow up on status of construction + water samples (J)
01/19/2017	Phone call w/ Andy Acapelle ~ 11:00 am Drilled - grouted. <del>with</del> Check for abandonment of dry well. Follow up on yield test (J)
1/25	Visual inspection: Casing installed; no grout visible water level ~ 1ft. beneath grade RB RB If 'Dry Hole', it may have been filled with cuttings.
01/26/2017	Email from A Capelle. Yielding on 1/27/2017. Follow up for water samples (J)

## Cabahug, Joseph

---

**From:** Cabahug, Joseph  
**Sent:** Wednesday, January 18, 2017 10:08 AM  
**To:** 'ACapelle@alliedwells.com'  
**Cc:** Wolf, Kevin; Collins, Sarah  
**Subject:** 12942 Brighton Dam

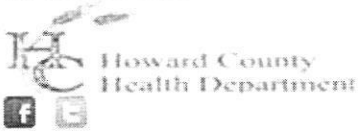
Hello Andy,

This is Joseph with the Howard County Health Department. Please confirm the status of the well (HO-15-0393) drilled at 12942 Brighton Dam rd (Permit 559780).

There are Radium, Sodium, and chloride + TDS samples that are required per special conditions.

Much Appreciated,

Joseph C. Cabahug  
Environmental Health Specialist - Trainee  
Well & Septic Program  
Bureau of Environmental Health  
8930 Stanford Blvd.  
Columbia, MD 21045  
(o) 410-313-2643



[jcabahug@howardcountymd.gov](mailto:jcabahug@howardcountymd.gov)

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## Cabahug, Joseph

---

**From:** Cabahug, Joseph  
**Sent:** Thursday, January 26, 2017 4:14 PM  
**To:** 'Andy Capelle'  
**Cc:** Wolf, Kevin; Collins, Sarah  
**Subject:** RE: 12942 Brighton Dam

Hi Andy,

Tomorrow sounds great. There is plenty of space on the books for Friday 1/27/2017. Please make sure to call our front office for the yield test.

Much appreciated!  
Joseph Cabahug  
Wells and Septic

**From:** Andy Capelle [<mailto:acapelle@alliedwells.com>]  
**Sent:** Thursday, January 26, 2017 8:05 AM  
**To:** Cabahug, Joseph  
**Cc:** Wolf, Kevin; Collins, Sarah  
**Subject:** Re: 12942 Brighton Dam

Joseph,

We will be out tomorrow to do the yield test. Can you come out to take the sample?

Andy

On Wed, Jan 18, 2017 at 10:08 AM, Cabahug, Joseph <[jcabahug@howardcountymd.gov](mailto:jcabahug@howardcountymd.gov)> wrote:

Hello Andy,

This is Joseph with the Howard County Health Department. Please confirm the status of the well (HO-15-0393) drilled at 12942 Brighton Dam rd (Permit 559780).

There are Radium, Sodium, and chloride + TDS samples that are required per special conditions.

Much Appreciated,

Joseph C. Cabahug

Environmental Health Specialist - Trainee

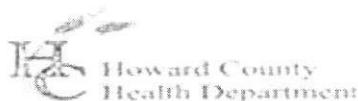
Well & Septic Program

Bureau of Environmental Health

8930 Stanford Blvd.

Columbia, MD 21045

(o) [410-313-2643](tel:410-313-2643)



[jcabahug@howardcountymd.gov](mailto:jcabahug@howardcountymd.gov)

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--

**Andy Capelle**  
Vice President



P.O. Box 129  
Annapolis Junction, MD 20701  
410-371-2219 cell

301-776-8370 office  
301-776-8374 fax  
[alliedwells.com](http://alliedwells.com)



State of Maryland  
DHMH-Laboratories Administration  
Division of Environmental Chemistry  
**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: E17003125 Date Coll.: 02/09/2017 Date Received 02/10/2017 Submitted By: Collins

Field ID: HO-15-0393  
Lab No.: E17003125001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	6.11	ppm	02/13/2017

### Comments:

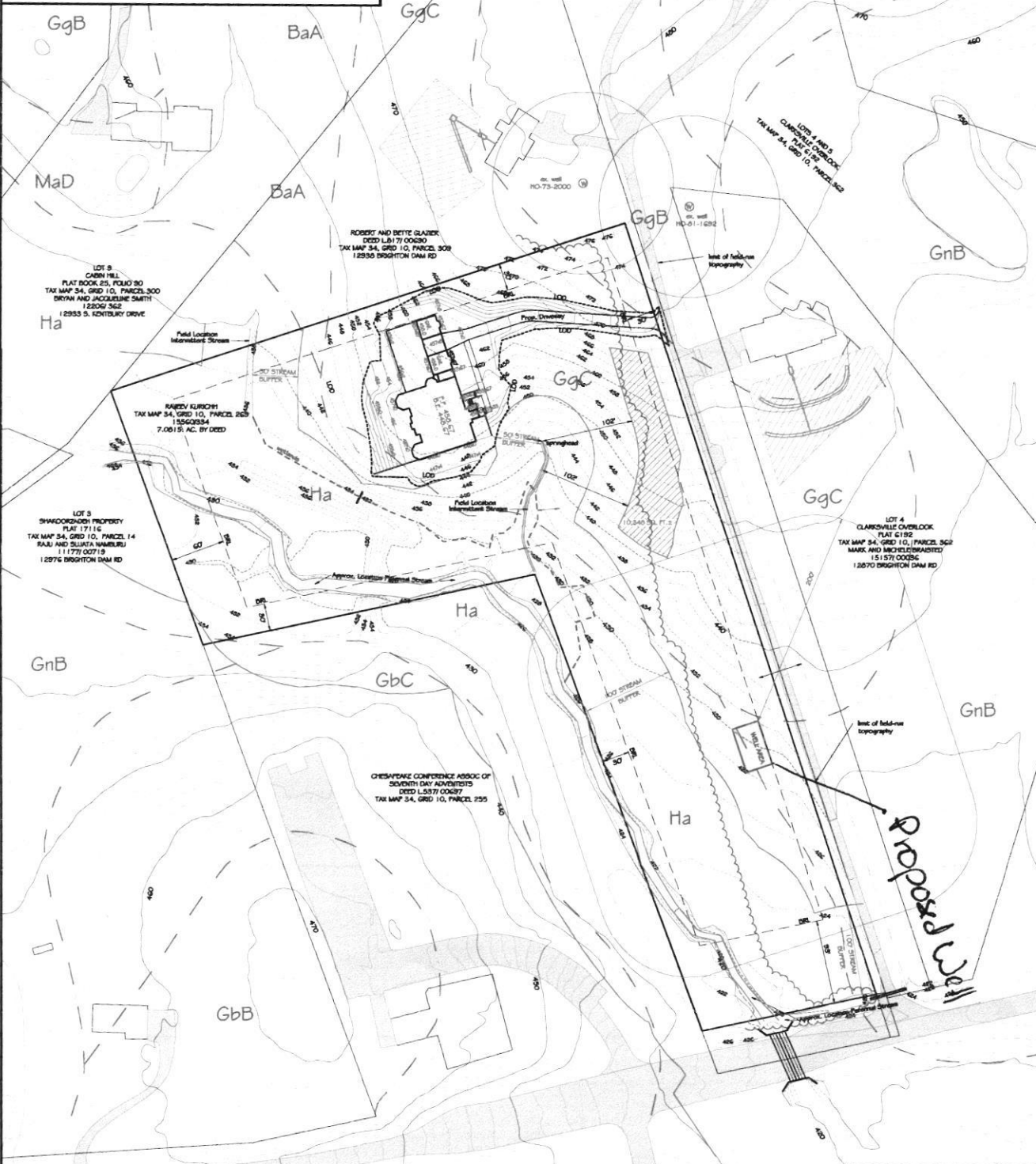
Approved by: Yungtao Choi Approval date: 02/15/2017

\*\*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.

**NOTES:**

1. TOPOGRAPHY SHOWN HEREON IS HOWARD COUNTY AERIAL TOPOGRAPHY SUPPLEMENTED BY TOPOGRAPHY FIELD RUN BY SHANBERGER & LANE IN MAY, 2014.
2. \_\_\_\_\_ DESIGNATES PROPERTY LINE.
3. \_\_\_\_\_ DESIGNATES EXISTING PRIVATE SEWAGE EXHAUSTION.
4. MaD \_\_\_\_\_ DESIGNATES SOIL TYPE BOUNDARY.
5. \_\_\_\_\_ DESIGNATES WOODS LINE.
6. TOTAL DISTURBED AREA 86,667 SQ. FT.-S.
7. TOTAL CLEARING 35,866 SQ. FT.-S.
8. THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OVERSIGHT WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT.
9. SOIL TYPES: MaD-Medium loam, 3 to 5 percent slopes  
 BaA-Best soil loam, 2 to 3 percent slopes  
 GgC-Growing loam, 8 to 15 percent slopes  
 GnB-Hudson-Columbia sub soils, 0 to 3 percent slopes
10. ANY CHANGE TO A PRIVATE SEWAGE EXHAUSTION SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
11. ALL EXISTING WELLS AND SEWAGE DISPOSAL AREAS WITHIN 100' OF THE PROPERTY AND WELLS WITHIN 300' OF THE PROPERTY OF THE PROPOSED SOA HAVE BEEN SHOWN PER FIELD LOCATION WHEN POSSIBLE AND PER AVAILABLE RECORDS WHEN NOT POSSIBLE.
12. THIS AREA DESIGNATES A PRIVATE SEWAGE EXHAUSTION OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL UNLESS 25-34.2(b) IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWAGE IS AVAILABLE. THESE IMPROVEMENTS SHALL INCLUDE WELLS AND 100' BUFFER ZONING TO A PUBLIC SEWAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT VARIANCES FOR ENCROACHMENTS INTO THE PRIVATE SEWAGE EXHAUSTION OF A REVISED SEWAGE EXHAUSTION SHALL NOT BE NECESSARY.
13. SEWERAGE SERVICE TO THE HOUSE SHOWN HEREON WILL NOT BE AVAILABLE. A PUMPED SYSTEM WILL BE REQUIRED.
14. DESIGNATED PRIVATE SEWAGE EXHAUSTION PREVIOUSLY APPROVED FOR THIS PARCEL TO BE ABANDONED.
15. MARYLAND DEPARTMENT OF THE ENVIRONMENT HAS APPROVED A VARIANCE TO ALLOW THE WELL JOBE ON TAX MAP 34, GRID 10, PARCEL 255 TO BE DISCONNECTED FROM THE SEWAGE DISPOSAL AREA ON PARCEL 253 AND ON CLARKEVILLE OVERLOOK OVERLOOK LOT 4.
16. THE WELL TO BE INSTALLED ON PARCEL 253, THE SUBJECT PROPERTY, MUST HAVE STEEL CASING THAT EXTENDS TO 30 FEET DEPTH OR 125 FEET INTO BEDROCK WITH CHECK & DEEPER.
17. ALL SEWER SYSTEM COMPONENTS TO BE INSTALLED IN THE SOA ON PARCEL 253 MUST BE DESIGNED FOR PRESSURIZED DISTRIBUTION AND INSTALLED AS LOW-PRESSURE DISTRIBUTION OR EQUIVALENT.



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PERC CERTIFICATION: I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON REFLECTS FIELD WORK DONE BY ME OR UNDER MY DIRECT SUPERVISION AND IS CORRECT TO THE BEST OF MY PROFESSIONAL KNOWLEDGE AND BELIEF.

S: SCOTT SHANBERGER DATE \_\_\_\_\_  
 PROFESSIONAL LAND SURVEYOR #10049  
 LICENSE EXPIRATION DATE 4/2020/16

PRELIMINARY HOUSE SITING  
**KURICHIH PROPERTY**  
 formerly SCHLEGEL PROPERTY

TITLE DEED: 15562834  
 TAX MAP 34, GRID 10, PARCEL 253  
 5TH ELECTION DISTRICT, HOWARD COUNTY, MD.  
 SCALE: 1" = 50' DATE: 6/10/2014  
 REV: 1/22/2015