

C1 27675

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

1 2 3 4 5 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER 13

ST/CO USE ONLY DATE RECEIVED MM 08 DD 14 YR 17

DATE WELL COMPLETED MM 8 DO 1 YR 2017

Depth of Well 22 374' 26 (TO NEAREST FOOT) PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-17-0159

OWNER Highland Development Corporation WELL SITE ADDRESS Brocolina Way TOWN Clarksville MD SUBDIVISION Brighton Mill II SECTION LOT Parcel A

WELL LOG Not required for driven wells

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes handwritten entries: Sand 0-45, Mica Rock 45-274, Water 160', Drywells back filled, Well 1: 560-35 drilling material, 35-0 cement, Well 2: 400-40 drilling material, 40-0 cement.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle appropriate box) YES [Y] NO [N] TYPE OF GROUTING MATERIAL (Circle one) CEMENT [CM] BENTONITE CLAY [BC] NO. OF BAGS 15 NO. OF POUNDS 1910 GALLONS OF WATER 90 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 49 ft.

CASING RECORD

MAIN CASING TYPE St Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 51

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

SCREEN RECORD

screen type or open hole insert appropriate code below [ST] [BR] [HO] [PL] [OT]

DEPTH (nearest ft.)

Table with columns: E A C H S C R E E N, rows 1-5, values: 1 40, 2 49, 3 374, 4, 5

DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 66

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W O

70 72 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST

HOURS PUMPED (nearest hour) 6 PUMPING RATE (gal. per min.) 1.3/4 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 42 ft. WHEN PUMPING 262 ft. TYPE OF PUMP USED (for test) [A] air [P] piston [T] turbine [C] centrifugal [R] rotary [O] other [J] jet [S] submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES [NO] IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS. TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29. CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35 PUMP HORSE POWER 37 41 PUMP COLUMN LENGTH (nearest ft.) 43 47 CASING HEIGHT (circle appropriate box and enter casing height) [+] above LAND SURFACE [-] below (nearest foot) 2

LATITUDE 39.21633

LONGITUDE 76.99996

(DEFAULT COORD. WGS 84)

NOTES: Drywells Well 1-560' 39.21642 76.99999 Well 2-400' 39.21614 76.99956

HS: 9/1/17 (9)

B 1
42851

SEQUENCE NO (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please type
3d1028-2

STATE PERMIT NUMBER
Ho-17-01599
fill in this form completely

Date Received (APA) 050217
OWNER INFORMATION
Highland Development Corps
P.O. Box 228
Clarksville Md 21029

B 3 LOCATION OF WELL
Howard
BRIGHTON MILL 11
Clarksville

DRILLER INFORMATION
Kassy Mayne M SD 027
Joseph & Mayne Well Drilling
5512 Ridge Rd Mt Airy 21776
Signature Date 4-25-17

B 4 SOURCES OF DRILLING WATER
1. Well
2. HeHD
3. 38' → Bedrock

Brookline Way
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
250' 500'
DISTANCE FROM ROAD ENTER FT OR MI
TAX MAP: 34 BLK: 2 PARCEL 16

B 2 WELL INFORMATION
APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard (13) COUNTY NO.
STATE SIGNATURE INSERT S
DATE ISSUED 6/8/17 CO SIGNATURE EXP. DATE 6/8/18

APPROXIMATE DEPTH OF WELL 320 FEET
APPROXIMATE DIAMETER OF WELL 6 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
Triadelphia Mill Rd
Clarksville
Highland Rd

METHOD OF DRILLING (circle one)
BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
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

7/25
dry hole, 530'
will drill farther down hill in well box
7/28
at 320' on #2, no water
46' steel casing
7/31/17
3rd attempt
5" casing
8/1/2017
Samples failed
~ 1.75 gpm

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROP. PERMIT NUMBER
PERMIT No. Ho-17-0159

SPECIAL CONDITIONS
NOTE: APPROVING AUTHORITY SHOULD USE SEPARATE SHEET IF NEEDED
Sodium chloride + TDS samples req'd at yield

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 17-0159
 Location of property (road) Brocolino Way
 Subdivision Brighton mill II Lot Parcel A Block Plat Sec.
 Well Driller Joseph Mayne Jr Owner Highland Development Corp

Depth of well 374
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 42'

I. High rate pumping -- reservoir drawdown

Time pump started 6:00 Pumping rate 20 gpm
 Total time 30 min to reach pumping water level 262 ft. below M.P.

II. 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 5' gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:15	150'	3 sec		20 gpm
6:30	262	3		20
6:45	262	40		1.5
7:00	258	40		1.5
7:15	258	34		1.34
7:30	259	34		1.34
7:45	259	34		1.34
8:00	259	34		1.34
8:15	259	34		1.34
8:30	259	34		1.34
8:45	259	34		1.34
9:00	259	34		1.34
9:15	259	34		1.34
9:30	259	34		1.34
9:45	259	34		1.34
10:00	259	34		1.34
10:15	259	34		1.34
10:30	259	34		1.34
10:45	259	34		1.34
11:00	259	34		1.34
11:15	259	34		1.34
11:30	259	34		1.34
11:45	259	34		1.34
12:00	259	34		1.34
HD-224 12:15 12:30	259 259	34 34		1.34 1.34

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 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: Robert L. Feezer Co. Telephone #: 410-781-4655
Address: 6321 Barnett Avenue
Sykesville, MD 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Russel C. George License# PI0148

***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: NV Homes Telephone #: 410-379-5956
Subdivision: Brighton Mills Lot #: 13A Well Tag #: HO - 17 - 0159
Site Address: 13504 Broccolino Way
Clarksville, MD 21029

Submersible Pump Data

Make: Schaefer
Model #: TSR07S4-2W230
Pump Capacity 7 GPM
Well Yield: 1.75 GPM

Pitless Adapter

Make: Boshart
Model#: P-100-SS
Depth: 42" (36" min)
NSF/WSC approved: Yes

Well Cap and Electric Conduit

Two piece watertight cap: Yes
Screened, vented well cap: Yes
Cap secured to casing: Yes
Conduit min 18" B.G.: Yes
Conduit secured to well cap: Yes

Depth of well encountered at time of pump installation: 374 (feet)
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 inside of well casing N/A

Piping to house

Type: Poly
PSI: 200 (160 psi min)
Depth of supply line: 42" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: Yes
Length of sleeve (5' minimum from foundation): 10'
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.

Russell C. George March 31, 2018
Signature of company representative responsible for installation date

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

Date Insp. Requested: 4/4/18 Date Insp. Approved: 4/4/18 Inspector: SC
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓
Two piece cap installed and attached to casing securely ✓
Elec. conduit extends at least 18" below grade/attached to cap properly ✓
Safety rope not outside of well cap/casing ✓
Correct well tag attached properly and casing 8" above finished grade ✓
Water supply line sleeved adequately at house connection ✓
Adequate grout observed below pitless adapter ✓

INTERIM CERTIFICATE OF POTABILITY
Expiration Date – OCTOBER 24, 2018

April 24, 2018

Homeowner
13504 Broccolino Way
Clarksville, MD 21029

RE: Brighton Mill II, Lot P. A
13504 Broccolino Way
Building Permit: B18000008
Well Permit: HO-17-0159

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 4/11/2018. Final approval of the well line connection to the dwelling was granted on 4/4/2018. The well construction was completed on 8/1/2017. Water samples were collected on 4/19/2018.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-17-0159. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the Annotated Code of Maryland, Environment Article, 9-1311, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

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



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

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

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

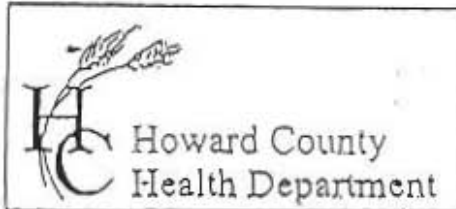
Approving Authority,

A handwritten signature in black ink, appearing to read 'K. M. Wolf', is written over a horizontal line.

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

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

W560628



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

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

TO ALL INTERESTED PARTIES

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

Well Site Location:

Brighton Mill II Lots 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, Parcel A
 Subdivision/Property Name Lot# Road Name

The well site has been staked by Benchmark
 (professional land surveyor or company employing professional land surveyors)
 on 4.28.2017 (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.

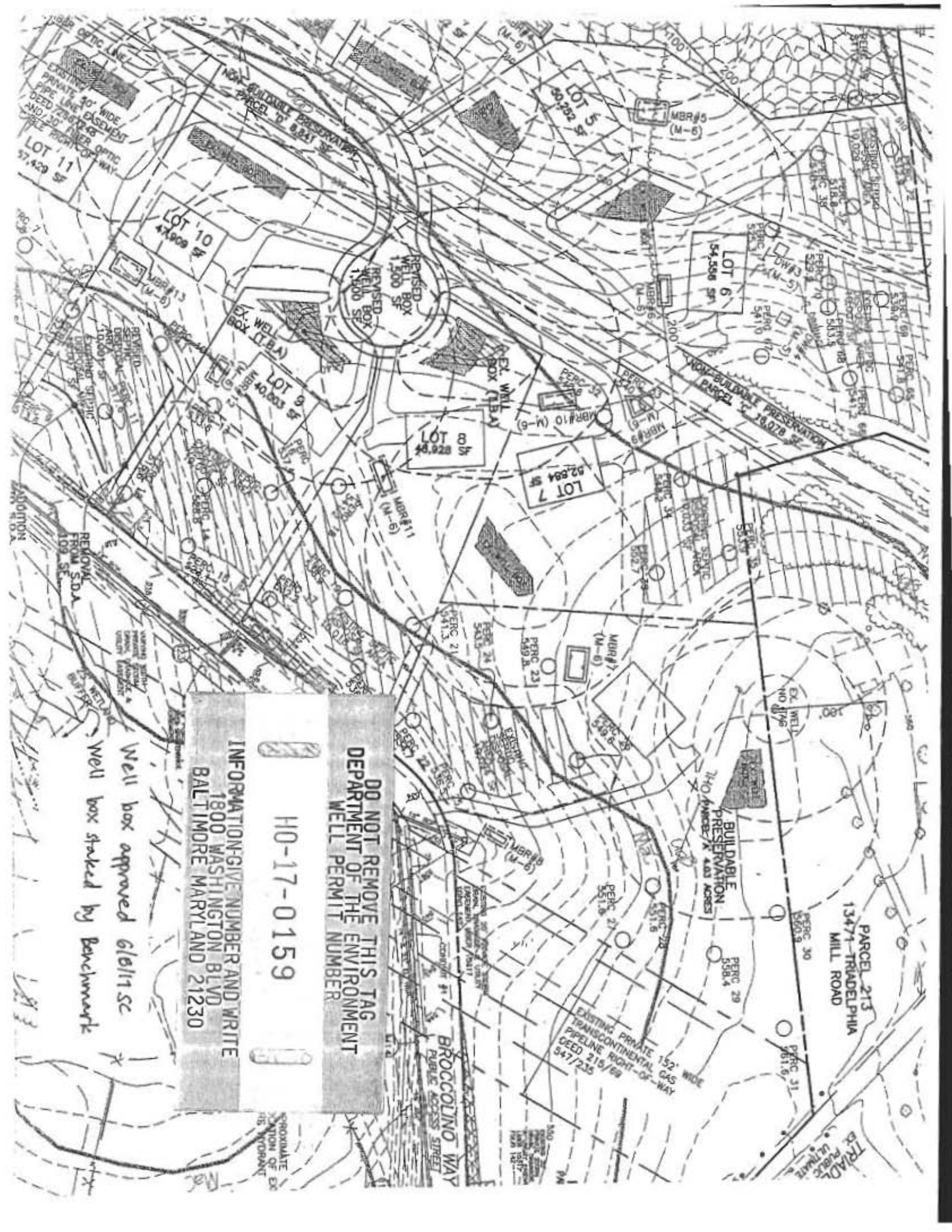
Revised 3/11/05

Richard Demmitt

410-365-0414





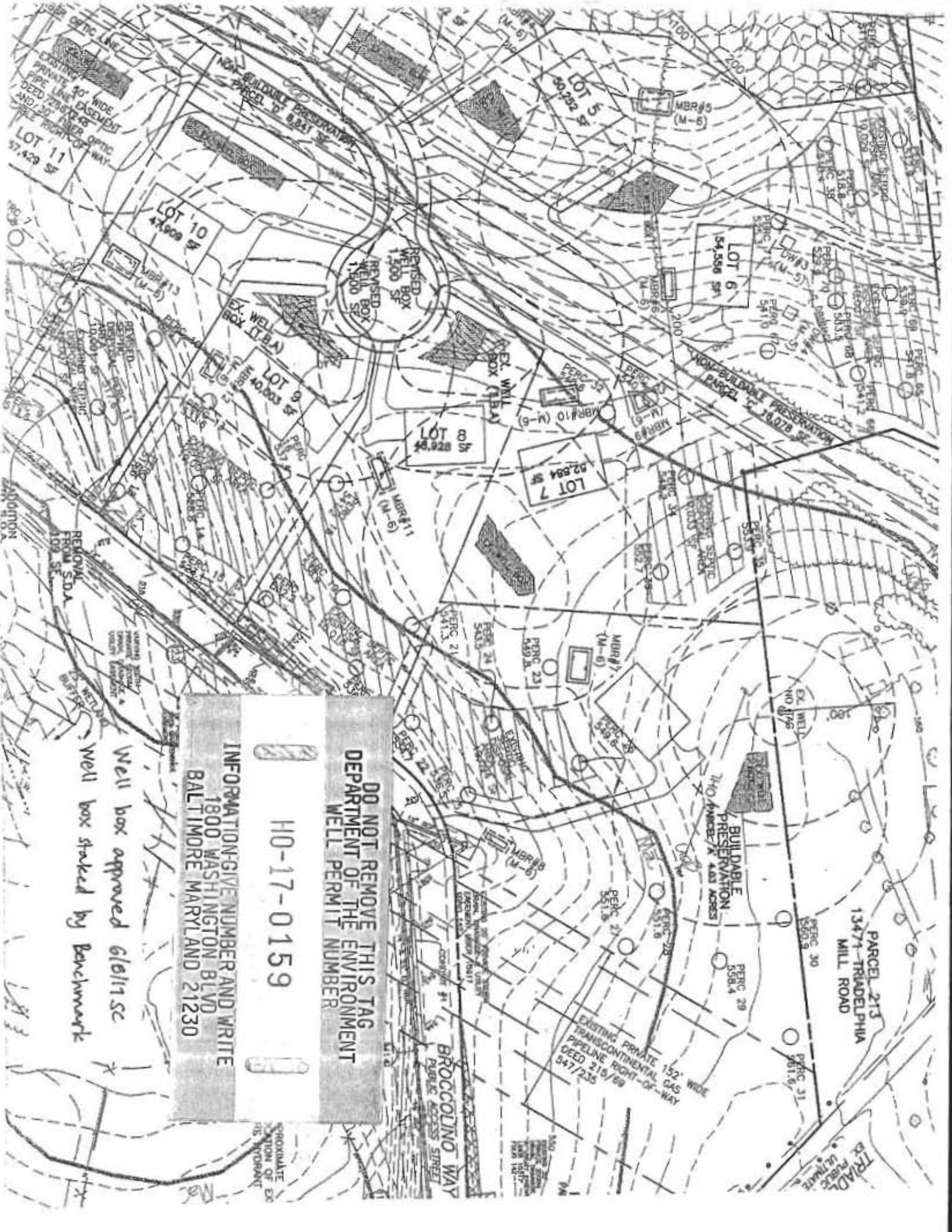


**DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER**

H0-17-0159

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

Well box approved 6/6/11 sc
Well box staked by Benchmark



FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	121241	Account #:	1920
Reference:	Brighton Mill Lot 13	Company:	Robert L Feezer Co- New Homes
Location:	13504 Broccolino Way Clarksville, MD 21029	Requested By:	Rick Cross
Date/ Time Collected:	4/19/2018 1117	Source:	Well Water
Date/Time Rec'd:	4/19/2018 1312	Site:	Pressure Tank
Chlorine ppm:	Free: ND Total: ND	Treatment:	None
Collected By:	R. Ott 4269RO	pH:	6.7
		Well #:	HO-17-0159

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	4/20/2018 / 0830 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	4/20/2018 / 0830 / CRS
Nitrate	2.79	mg/L	10	601	4/19/2018 / 1610 / CRS
Turbidity	3.24	NTU	<10	SM20 2130B	4/19/2018 / 1630 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	4/19/2018 / 1630 / CRS

NOTES

- 1 mg/L = milligrams per liter (also, parts per million)
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND = None Detected
- 7 pH & Chlorine level tested on site
- 8 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy
 Building Permit # : B18000008

Date Reported: 4/20/2018



Bureau of Environmental Health

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

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

September 14, 2017

Highland Development Corporation
P.O. Box 228
Clarksville, MD 21029

Dear Highland Development Corporation,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from the well at Brighton Mill II Parcel A.

Elevated sodium levels in drinking water could affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from the well measured 121.60 mg/L.**

Chloride and TDS are both considered secondary contaminants, meaning high concentrations can affect taste, color, odor, or corrosive properties of water but present no risk to health. The secondary maximum contaminant level for chloride is 250 mg/L; **chloride from the well measured 64 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from the well measured 273 mg/L.**

Sodium, chloride, and TDS are all secondary contaminants and will not affect the issuance of a Certificate of Potability for the well. Given the elevated levels of sodium, the builder or future homeowner may want to consult a plumber and/or water treatment company to discuss options. Please be aware that any backwash generated from a treatment system must be disposed of in a subsurface disposal system. Prior to installing a system that generates backwash, please contact the Health Department to ensure that all regulatory requirements are met.

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

Sincerely,

A handwritten signature in black ink that reads 'Sarah Collins'.

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

Cc: File

Bricker, Robert

From: Bricker, Robert
Sent: Thursday, January 18, 2018 2:58 PM
To: Taylor Faris (tfaris@nvrinc.com)
Subject: 13504 Broccolino Way_B18000008_sodium level in well water
Attachments: Brighton Mill II_Parcel 'A'_elevated sodium level_memo.pdf

Dear Mr. Faris,

The Health Department required analyses for sodium, chloride, and total dissolved solids (TDS) for water from the well (HO-17-0159) installed on Preservation Parcel 'A' in the Brighton Mill II subdivision, 13504 Broccolino Way. The results indicate elevated sodium levels, while chloride and TDS were below their respective secondary contaminant levels. I have attached a letter concerning these results which was sent to Highland Development Corporation.

If NV Homes or the future owner of Parcel 'A' wishes to install treatment to reduce the level of sodium in the drinking water, we advise you to consult with the Bureau prior to installing treatment. Please know that the Bureau is very unlikely to approve a 'whole house' reverse osmosis system.

If you have any questions concerning this notice, you may contact me by 'Reply' to this email, or by calling the phone number listed below.

ROBERT BRICKER, REHS/R.S., L.E.H.S.
ENVIRONMENTAL SANITARIAN II
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 410-313-1771; Bureau, 410-313-1774
Fax: 410-313-2648

E-mail: rbricker@howardcountymd.gov

CONFIDENTIALITY NOTICE

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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
4/24/18

DATE WELL ABANDONED: 8-1-2017 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) dry hole

* PERMIT NUMBER OF REPLACEMENT WELL: HO-17-0159

* PERSON ABANDONING WELL: Karoly M. Ayres

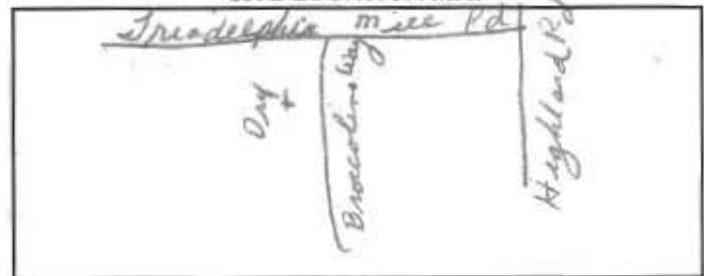
WELL DRILLER'S LICENSE NUMBER: MSD027

CIRCLE: MWD/MSD/MGD

* OWNER'S NAME: Highland Development

SITE LOCATION MAP

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Clarksville
TAX MAP 34 BLOCK 2 PARCEL 16
SUBDIVISION: Brighton Mill 11
SECTION: _____ LOT: Parcel A
STREET ADDRESS: Brookshire Way



LATITUDE 39.21614

LONGITUDE 76.97956

LOG OF SEALING MATERIAL

* TYPE OF WELL BEING ABANDONED:
 DRILLED _____ JETTED
 BORED _____ HAND DUG
 OTHER (specify) _____

MATERIAL	FEET	
	FROM	TO
<u>Backfilled Drilling materials</u>	<u>400</u>	<u>40</u>
<u>Cement</u>	<u>40</u>	<u>0</u>

* USE CODE:
 DOMESTIC _____ MUNICIPAL/PUBLIC
 IRRIGATION _____ INDUSTRIAL
 TEST/OBSERVATION _____ GEOTHERMAL

VOLUME OF MATERIAL USED

14 bags cement 34 gal. water

* TYPE OF CASING:
 STEEL A _____ PLASTIC
 CONCRETE _____ OTHER (specify) _____

SIZE OF CASING: N/A INCHES IN DIAMETER

DEPTH OF WELL: 400 FEET DEEP dry well

WAS ANY CASING REMOVED? _____ YES NO
If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? _____ YES NO

SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#
[Signature]

MSD027 MWD/MSD/MGS 4-16-18
CIRCLE ONE DATE

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.

Send Report To:

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

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE METALS LABORATORY
1770 Ashland Avenue
Baltimore, Maryland 21205

LABORATORY ANALYSIS REQUEST

Lab No. Date Received



E18000452001

Received: 08/02/2017

Metals

HOJCO159NA

Please Print

Sample ID No: HOJCO159NA Site Name: HO-17-0159 County: HOWARD

Sample Source: Brighton Hill II - PARCEL A Collector: CABATUG, JOSEPH
Street Town or City Name

Date Collected: 08/01/2017 Time Collected: 10:30 a.m. p.m. Phone #: 442 938 5421
410 313 2643

Sample Preserved By: Field ESRL WMRL Central Lab

Preservative Used: HNO₃ mL pH: 2.2

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

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other

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

Remarks: with blank (field) HOJCO159FB (spoke to the collector he does not need the result for Field Blank it was collected mistakenly and Laboratory Analysis request for not submitted for Blank)
8/2/17 Field blank discarded

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

Lab Supervisor: _____

Date Reported: **RECEIVED**

•Phone: (443) 681-3857

•Fax: (443) 681-4507

DHMH 4432 (05/15)

SUBMITTER'S COPY

AUG 24 2017

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM



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



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E18000452 Date Coll.: 08/01/2017 Date Received: 08/02/2017 Submitted By: Cabahug, Joseph

Field ID: HOJC0159NA
Lab No.: E18000452001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	121.60	ppm	08/16/2017

Comments:

RECEIVED

AUG 24 2017

HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

Approved by: *Sadia Muneer*

Approval date: 08/18/2017

**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.

Send Report To:

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

State of Maryland
 DHMH-Laboratories Administration
 Division of Environmental Sciences
INORGANICS ANALYTICAL LABORATORY
 1770 Ashland Avenue
 Baltimore, Maryland 21205
WATER ANALYSIS



E18000445001
 Received: 08/02/2017
 Inorganic HOJC0159TD

Do not write above this line.

A Bottle Number: HOJC0159TD Name: HO-17-0159 County: HOWARD County Code: 13
M Location: Brighton Mills II - PARCEL A Data Category Code: 4F
P Collected: Date: 08/01/2017 Time: 10:30 Collector & Phone: CABRATUG Joseph Submitter Code:
410 313 2643
L CHECK (one per box)
 Drinking Water
 Landfill
 Stream
 Other
 Community
 Non-community
 Private
 Other
 Source (raw water)
 Distribution (treated)
 MCL
 Emergency
 Routine
 Recheck
 Special
 Federal Project

F Plant No. Sampling Station Preservation: Iced Acid Type of Acid
I pH 6.5 Chlorine: Free 0.0 Total 0.0 Specific Conductance
E Notes to Lab/Remarks: with field blank HOJC0159FB
L
D

CHECK TESTS	TESTS	Error Code	RESULTS
	Alkalinity (Total)		
	Ammonia - N		
<input checked="" type="checkbox"/>	Chloride		
	Conductance*, Spec.		
<input checked="" type="checkbox"/>	Dissolved Solids (Total)		
	Hardness		
	Fluoride		
	Nitrate, 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
Department of Health
Laboratories Administration
Division of Environmental Sciences
INORGANICS ANALYTICAL LABORATORY
1770 Ashland Avenue, Baltimore, Maryland 21205
Robert Myers, Ph.D., Director



Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project NoE18000445 Date Coll. 08/01/2017 Date Received 08/02/2017 Submitted By: Cabahug

Field ID: HOJC0159TD
Lab No.: E18000445001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	64	mg/L	08/07/2017
Total Dissolved Solids	SM 2540C	273	mg/L	08/02/2017

Comments:

Approved by: *Shahla Aneli*

Approval date: 08/10/2017

*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.

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Real Property Data Search

Search Result for HOWARD COUNTY

View Map		View GroundRent Redemption		View GroundRent Registration	
Account Identifier:		District - 05 Account Number - 600594			
Owner Information					
Owner Name:		HIGHLAND DEVELOPMENT CORP		Use: RESIDENTIAL	
Mailing Address:		PO BOX 228 CLARKSVILLE MD 21029-		Principal Residence: NO	
				Deed Reference:	
Location & Structure Information					
Premises Address:		BROCCOLINO WAY CLARKSVILLE 21029-0000		Legal Description: PAR A 4.03 A. BUILDABLE PRES. HOA BROCCOLINO WAY BRIGHTON MILL II	
Map:	Grid:	Parcel:	Sub District:	Subdivision:	Section: Block: Lot:
0034	0002	0016		4469	PAR A
					Assessment Year: 2017
					Plat No: 24469-74
					Plat Ref: 74
Special Tax Areas:			Town: NONE		
			Ad Valorem:		
			Tax Class:		
Primary Structure Built		Above Grade Living Area		Finished Basement Area	
				Property Land Area 4.0300 AC	
Stories	Basement	Type	Exterior	Full/Half Bath	Garage
					Last Major Renovation
Value Information					
		Base Value		Value	
				Phase-in Assessments	
				As of	
				As of	
Land:		0		01/01/2017	
Improvements:		0		07/01/2017	
Total:		0		07/01/2018	
Preferential Land:		0		0	
				0	
Transfer Information					
Seller:		Date:		Price:	
Type:		Deed1:		Deed2:	
Seller:		Date:		Price:	
Type:		Deed1:		Deed2:	
Seller:		Date:		Price:	
Type:		Deed1:		Deed2:	
Exemption Information					
Partial Exempt Assessments:		Class		07/01/2017	
				07/01/2018	
County:		000		0.00	
State:		000		0.00	
Municipal:		000		0.00 0.00	
Tax Exempt:				0.00 0.00	
Exempt Class:				Special Tax Recapture:	
				NONE	
Homestead Application Information					
Homestead Application Status: No Application					
Homeowners' Tax Credit Application Information					
Homeowners' Tax Credit Application Status: No Application					
Date:					