

C 1 0706

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

COUNTY NUMBER

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

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well 500

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-1105

OWNER Lee Development Group Inc, STREET OR RFD MILD COURT, TOWN West Friendship, SUBDIVISION TERRAPIN CREEK, SECTION, LOT 5

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Mica, Gray mica, Blue mica, etc.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (Cement, Bentonite Clay), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (ST, PL), Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used) diameter inch, depth (feet) from to

SCREEN RECORD

screen type or open hole (ST, BR, HO, PL, OT), DEPTH (nearest ft.)

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min.) 8.5, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 35 ft., WHEN PUMPING 176 ft., TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP 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 2 (nearest) foot

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED, E ELECTRIC LOG OBTAINED, P TEST WELL CONVERTED TO PRODUCTION WELL

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

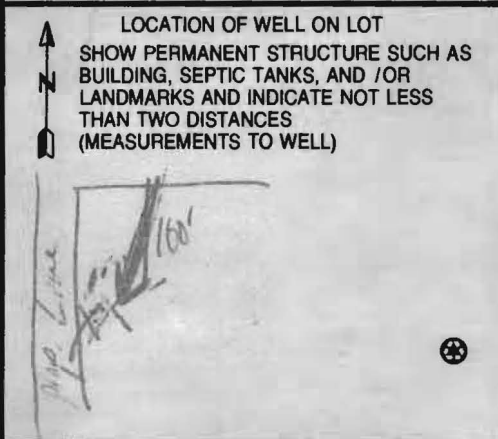
DRILLERS LIC. NO. 1 MWD 040, DRILLERS SIGNATURE, LIC. NO. 1 ALD 788

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

Table with columns: A, C, H, S, R, E, E, N, SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN (NEAREST INCH) from to

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q, TELESCOPE CASING LOG INDICATOR OTHER DATA



B 1 0344
1 2 3 6

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
526268 please type

STATE PERMIT NUMBER

HO-95-1105
70 fill in this form completely 79

Date Received (APA)
3/6/07
8 MM DD YY 13

OWNER INFORMATION 10495

Lee Development Group Inc
15 Last Name Owner First Name 34
8601 Georgia Ave, Suite 200
36 Street or RFD 55
Silver Spring, Md 20910
57 Town 70 State 72 Zip 76

B 3 LOCATION OF WELL

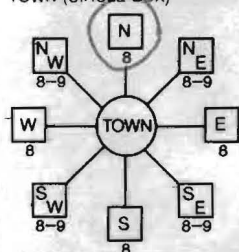
Howard CT#
8 COUNTY 21
Terrapin Creek
23 SUBDIVISION 42
SECTION 44 46 LOT 5 48 50
West Friendship
52 NEAREST TOWN 71
MILES FROM TOWN (enter 0 if in town) 1 M I
73 76 77 78

DRILLER INFORMATION

George F. Easterday M W D 040
Driller's Name 76 License No. 81
L. Franklin Easterday, Inc.
Firm Name
9265 Brown Church Rd., MT. Airy, Md. 21771
Address
George F. Easterday 2/28/2007
Signature Date

B 4

1 2
DIRECTION OF WELL FROM
TOWN (CIRCLE BOX)



Milo Court

11 NEAR WHAT ROAD 30
ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)
NORTH
WEST EAST
SOUTH
110'
34 37
DISTANCE FROM ROAD FT
ENTER FT OR MI 38 39
TAX MAP: 15 BLK: 5 PARCEL 12

B 2

WELL INFORMATION

APPROX. PUMPING RATE 5
(GAL. PER MIN.) 8 12
AVERAGE DAILY QUANTITY NEEDED 500
(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
- GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard (13) A 520108
COUNTY NAME COUNTY NO.
STATE
SIGNATURE INSERT S
DATE ISSUED 4/30/07
43 MM DD YY 48 CO SIGNATURE EXP. DATE
NORTH GRID 539 000 EAST GRID 0812 000
50 55 57 63

APPROXIMATE DEPTH OF WELL 300 FEET
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

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)

- 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

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

SOURCES OF DRILLING WATER

- 1. wells
- 2.
- 3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 819 2
N 539 9
000
000

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION 10 C 1



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

APPROP. PERMIT NUMBER HO 2006 G 011

PERMIT No. HO-95-1105
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

DRILL SELECTED WELL PER ATTACHED WEST FRIENDSHIP WELL SITE PLAN

Page _____ of _____
 Date 7/27/07

8:00

Review _____

8/2/07

FIELD DATA SHEET
 HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. HO-95-1105 Election District _____

Location of Property (road) MILCO COURT

Subdivision TERRAPIN CREEK Lot 5 Block _____ Plat _____ Sec. _____

Well Driller EASTERDAY Owner LEE DEVELOPMENT

Depth of Well 500 79pm
 Distance of Measuring Point (M.P.) above ground 2 FT
 Static Water Level (S.W.L.) below M.P. 35 FT

I. High Rate Pumping -- reservoir drawdown

Time pump started 11:00 AM Pumping rate 20 GPM
 Total time 3 min to reach pumping water level 176 ft. below M.P.

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

TIME	WATER LEVEL Below M.P.	PUMPING RATE Time to fill <u>one</u> gal. bucket	Flow Meter Reading <u>Pump SET</u> (if used)	CALCULATED FLOW (gallons per min.)
11:30	176 FT	7 sec	480 FT	8.5
11:45	176 FT	7 sec		8.5
12:00	176 FT	7 sec		8.5
12:15	176 FT	7 sec		8.5
12:30	176 FT	7 sec		8.5
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NOT 1026

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648
313-1771**

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 (RD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: ATLANTIC BLVE Telephone #: 410-840-8112
Address: 1802 ROUTE 100
WANTONVILLE MD 21157

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

License # and name of individual responsible for the field installation:

Name (Print): MARIE MADRICK License# 63797

*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: COTTONVILLE HOMES Telephone #: _____
Subdivision: TRAMPIN BAY Lot #: 5 Well Tag #: EO-05-1105 (D)
Site Address: 12717 MILO COURT
SYKESVILLE MD 21284

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Goulds</u>	Make: <u>MECCO</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>5CS10422C</u>	Model#: <u>ALL BRASS</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity: <u>8</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>7</u> GPM	NSF approved: <input checked="" type="checkbox"/>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation: _____ (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 or Cable guards are required - Must circle one

Safety rope, if used, attached to inside of well casing with eye bolt _____

Pline to house

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

House Connection

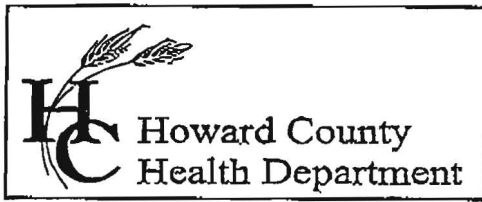
PVC sleeved to undisturbed soil at wall penetration:
Approximate length of sleeve: 20'
Sleeve caulked and sealed properly:

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

Signature of company representative responsible for installation: [Signature] date: 7/25/17

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

Date Insp. Requested: <u>07/26/2017</u>	Date Insp. Approved: <u>07/26/2017</u> (D)
Inspection Data: Pitless adapter and water supply line at least 36" below grade	<input checked="" type="checkbox"/> ~30" @
Two piece cap installed and attached to casing securely	<input checked="" type="checkbox"/>
Elec. conduit extends at least 18" below grade/attached to cap properly	<input checked="" type="checkbox"/> 19" @ require 36" met
Safety rope installed inside of well casing	<input checked="" type="checkbox"/>
Correct well tag attached properly and casing 8" above finished grade	<input checked="" type="checkbox"/>
Water supply line sleeved adequately at house connection	<input checked="" type="checkbox"/>
Adequate grout observed below pitless adapter	<input checked="" type="checkbox"/> 19" 2017/07/26 (D) 07/26/2017



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: Pres A
TERRAPIN Creek 1-22 TERRAPIN Creek Drive & MILD COURT
Subdivision/Property Name Lot# Road Name

The well site has been staked by YAN MAR ASSOCIATES INC
(professional land surveyor or company employing professional land surveyors)
on 3-9-07 (date) and does not require a site inspection.

No later than

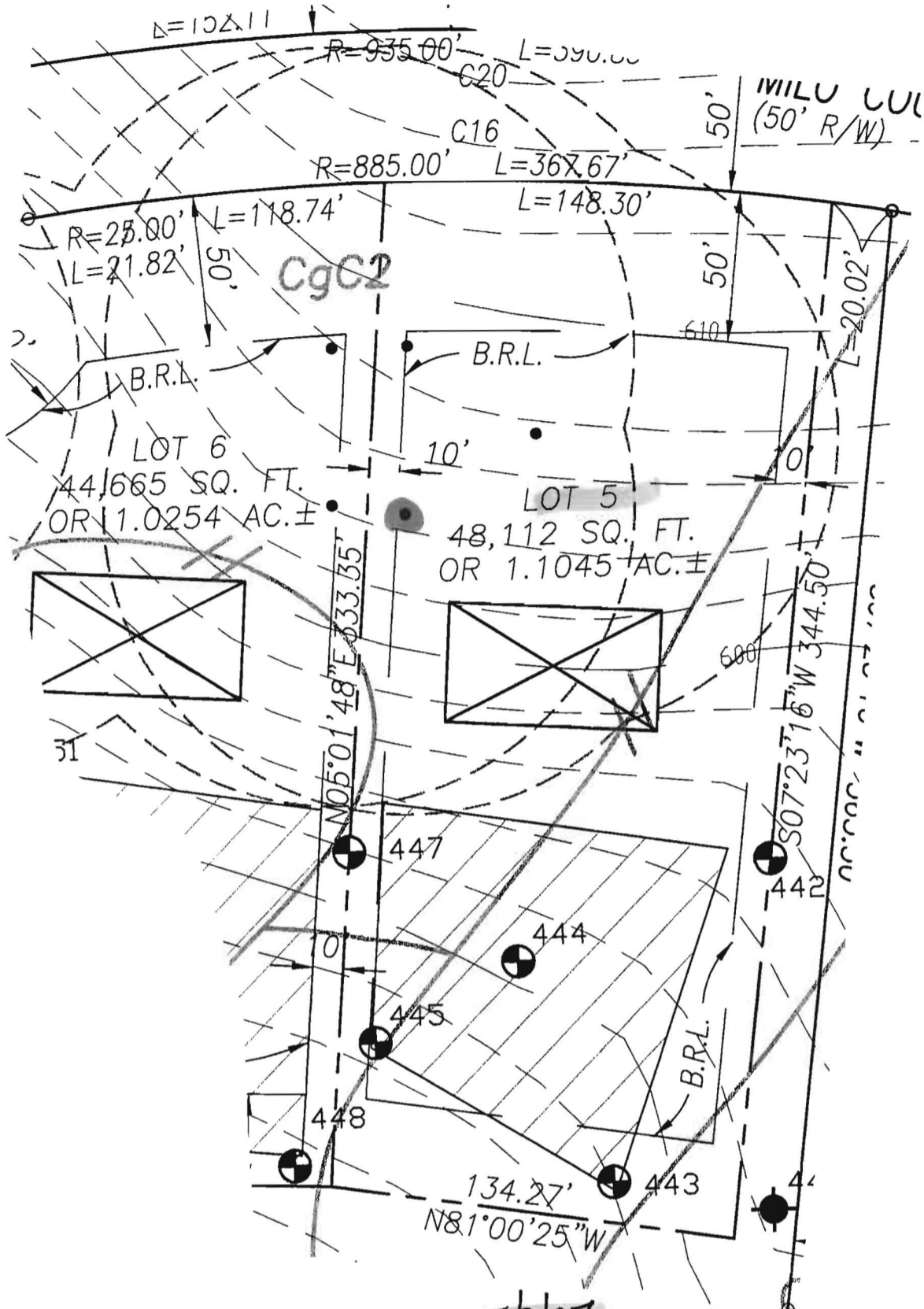
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

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

Lee DEVELOPMENT GROUP

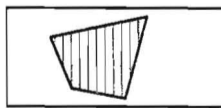
Site
Shawbe Farm



LOT 6
 44,665 SQ. FT.
 OR 1.0254 AC. ±

LOT 5
 48,112 SQ. FT.
 OR 1.1045 AC. ±

5/3/07
 Well sites staked
 by *NauMar*
(Ken)



THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT
 OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY
 MARYLAND STATE DEPARTMENT OF ENVIRONMENT FOR
 INDIVIDUAL SEWERAGE DISPOSAL.

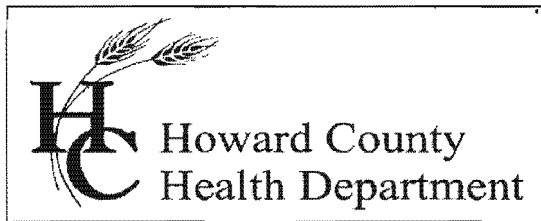
IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC
 SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID
 UPON CONNECTION TO PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER
 SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS.
 RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.

- (PASSED) PERCOLATION TEST SITE:
- (FAILED) PERCOLATION TEST SITE:
- EXISTING WELL:
- PROPOSED HOUSE SITE:
- PROPOSED WELL SITE:

WELL SITE PLAN
LOT 5
TERRAPIN CREEK
(FORMERLY SCHWABE FARM)

PART OF THE LANDS CONVEYED TO LDG, INC. BY DEED RECORDED IN
 LIBER 1988 AT FOLIO 258

TAX MAP: 15; GRID: 4 & 5; PARCELS: 12 & 43
 SITUATED ON SYKESVILLE AND LIVESTOCK ROAD
 ELECTION DISTRICT No. 3, HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' APRIL, 2007



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

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – March 27, 2018

September 27, 2017

Homeowner
12717 Milo Court
Sykesville, MD 21784

**RE: Terrapin Creek Lot 5
12717 Milo Ct, Sykesville, MD 21784
Building Permit: B17000735
Well Permit: HO-95-1105**

Dear Homeowner:

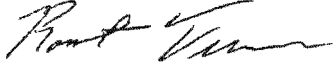
This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **7/18/2017**. Final approval of the well line connection to the dwelling was granted on **7/26/2017**. The well construction was completed on **7/18/2007**. Water samples were collected on **9/21/2017**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-1105. 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.**

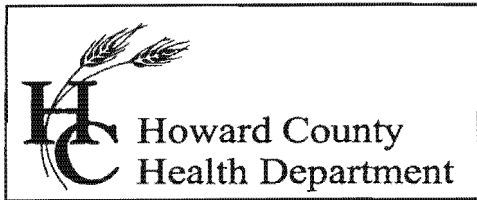
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink, appearing to read "Robert Freemon". The signature is fluid and cursive, with a prominent initial "R" and a long, sweeping underline.

Robert Freemon
Environmental Sanitarian
Well & Septic Program

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



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TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Peter L. Beilenson, M.D., M.P.H., Health Officer

Monday, April 30th, 2007

IMPORTANT

MEMORANDUM

To: WELL DRILLER,
cc: FILE

From: Kevin Wolf, Sanitarian
Well and Septic Program

Re: TERRAPIN CREEK
Lots 5, 6, 7, and 8

Well site locations for the above referenced lots are denoted on the attached Well Site Plans and are to be drilled first. Specified locations for these wells on each lot have been marked and approved by the Health Department. In the event of a dry hole, the well driller will notify the Health Department prior to drilling the next approved well site on the lot. Again, this memo is for Lots 5, 6, 7, and 8 only!

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 #: 117242 Account #: 1045
Reference: Catonsville Homes Company: Atlantic Blue Water Services
Location: 12717 Milo Court Requested By: Mark Mather
Sykesville, MD 21784 Source: Well Water
Date/ Time Collected: 9/21/2017 1000 Site: Well Tank
Date/Time Rec'd: 9/21/2017 1400 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.4
Collected By: M. Mather 3480MM Well #: N/A

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	9/22/2017 / 1000 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	9/22/2017 / 1000 / LLO
Nitrate	6.00	mg/L	10	601	9/22/2017 / 0945 / CRS
Turbidity	2.97	NTU	<10	SM20 2130B	9/22/2017 / 0930 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	9/22/2017 / 0930 / CRS

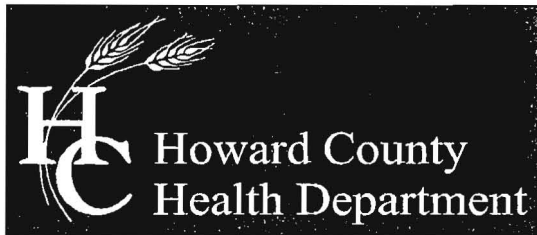
OK
-KMD

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; N/A: Not Available
- 7 Sample collected by client, analyzed as received
- 8 pH and Chlorine level tested in lab

Reason for Test : Real Estate

Date Reported: 9/22/2017



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www.hchealth.org

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

October 12, 2017

Catonsville Homes
11175 Stratfield Court
Marriottsville, MD 21104

Re: 12717 Milo Court water samples

Dear Catonsville Homes,

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

Elevated sodium levels in drinking water could affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 4.50 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 your well measured 12 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 109 mg/L.**

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

Sincerely,

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

Cc: *Community Hygiene Program
File*



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 NoE18001306 Date Coll. 09/27/2017 Date Received 09/28/2017 Submitted By: S. Collins

Field ID: HO-95-1105
Lab No.: E18001306001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	12	mg/L	09/29/2017
Total Dissolved Solids	SM 2540C	109	mg/L	09/29/2017

Comments:

Approved by:

Shahin Amini

Approval date: 10/05/2017

*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.

Send Report To: Bart Nixon

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

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

Lab No. Date Received



E18001310001
Received: 09/28/2017
Metals HO-95-1105

Do not write above this line

LABORATORY ANALYSIS REQUEST

Please Print

Sample ID No: HO-95-1105 Site Name: Terrapin Creek - Lot 5 County: Howard

Sample Source: 12717 Mile Ct. West Friendship Collector: S Collins
Street Town or City Name

Date Collected: 9 / 27 / 20 17 Time Collected: _____ a.m. 2 p.m. Phone #: 410-313-6287

Sample Preserved By: Field ESRL WMRL Central Lab
Preservative Used: HNO₃ _____ mL pH: 4.2

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

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

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

Remarks: Sample collected from house bib - no treatment.

✓	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>518</u>			Potassium (K)	
	Thallium (Tl)			Uranium (U)	
				Vanadium (V)	

Lab Supervisor: _____

Date Reported: ___/___/___

•Phone: (443) 681-3857

•Fax: (443) 681-4507



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: E18001310 Date Coll.: 09/27/2017 Date Received: 09/28/2017 Submitted By: Collins

Field ID: HO-95-1105
Lab No.: E18001310001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	4.50	ppm	10/03/2017

Comments:

Approved by: Yungfao Choi

Approval date: 10/05/2017

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

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