

01 0722

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED 8/20/07

Depth of Well 600 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-1019

OWNER Lee Development Group, STREET OR RFD Terrapin Creek Dr., TOWN West Friendship, SUBDIVISION Terrapin Creek, SECTION, LOT 19

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, FEET (FROM, TO), check if water bearing. Includes entries for Top soil, Brown Mica, and Grey Mica.

GROUTING RECORD

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

CASING RECORD

ST, CO, PL, OT (Steel, Concrete, Plastic, Other), MAIN CASING TYPE, Nominal diameter, Total depth

OTHER CASING (if used)

Table for other casing with columns: diameter, depth

SCREEN RECORD

ST, BR, HO, PL, OT (Steel, Brass, Bronze, Plastic, Other)

DEPTH (nearest ft.)

Table for depth with columns: 1-21, 23-36, 38-51, SLOT SIZE, DIAMETER OF SCREEN

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

C 3

PUMPING TEST

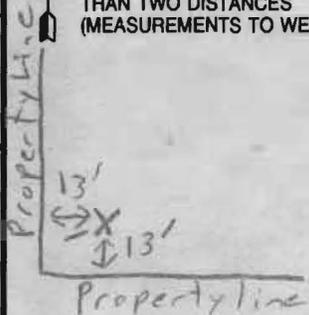
HOURS PUMPED (6), PUMPING RATE (3.1), METHOD USED TO MEASURE PUMPING RATE (Bucket), WATER LEVEL (39 ft. before, 162 ft. when pumping), TYPE OF PUMP USED (S)

PUMP INSTALLED

DRILLER INSTALLED PUMP (NO), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE (31-35), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (49)

LOCATION OF WELL ON LOT

SHOW PERMANENT STRUCTURE SUCH AS BUILDING, SEPTIC TANKS, AND /OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCES (MEASUREMENTS TO WELL)



NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y/N)

CIRCLE APPROPRIATE LETTER: A (Well abandoned and sealed), 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...

DRILLERS LIC. NO. 1 M W D 040, DRILLERS SIGNATURE (George F. Saterday)

LIC. NO. 1 A W D 785, SIGNATURE (Matthew Fox)

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

B 1 3212

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

526268 please type

140-95-1119 fill in this form completely

Date Received (APA)

3/6/07

OWNER INFORMATION 10509

Lee Development Group Inc

8601 Georgia Ave, Suite 200

Silver Spring, Md 20910

DRILLER INFORMATION

George F. Easterday M W D 040

L. Franklin Easterday, Inc.

9265 Brown Church Rd., MT. Airy, Md. 21771

Signature: George F. Easterday Date: 2/28/2007

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500

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

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN
AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT

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 DEEPEMED AN EXISTING WELL

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

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

APPROX. PERMIT NUMBER H02006G011

PERMIT No. H0-95-1119

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

LOCATION OF WELL

Howard COUNTY

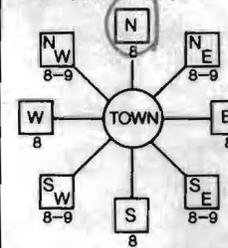
Terrapin Creek SUBDIVISION

SECTION 44 46 LOT 19 48 50

West Friendship NEAREST TOWN

MILES FROM TOWN (enter 0 if in town) 73

DIRECTION OF WELL FROM TOWN (CIRCLE BOX)



Terrapin Creek Drive NEAR WHAT ROAD

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 25 37 DISTANCE FROM ROAD ENTER FT OR MI

TAX MAP: 15 BLK: 5 PARCEL 12

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard COUNTY NAME 13 COUNTY NO. A520108

DATE ISSUED 4/30/07

CO SIGNATURE: [Signature] EXP. DATE: 4/30/08

NORTH GRID 539 000 EAST GRID 0813 000

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

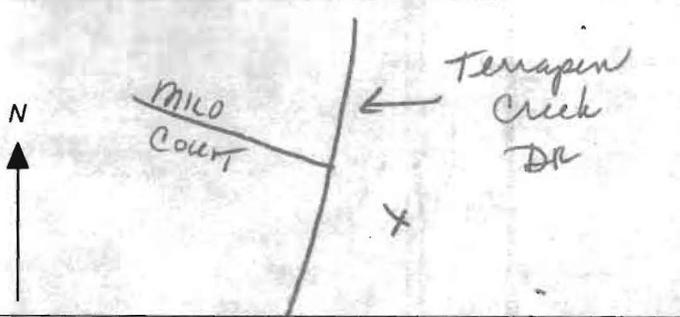
SOURCES OF DRILLING WATER

- 1. wells
2.
3.

WRITE THE BOX NUMBER FROM THE MAP HERE

E 810 3
N 530 9

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



8-24-67

J. R. R. R.

Page \_\_\_\_\_ of \_\_\_\_\_

Date \_\_\_\_\_

Review \_\_\_\_\_

FIELD DATA SHEET  
HYDROGEOLOGIC AREA (3) WELL YIELD TEST

Maryland Well Permit No. 140-95-1119 Election District \_\_\_\_\_

Location of Property (road) TERRAPIN CREEK DRIVE

Subdivision TERRAPIN CREEK Lot 19 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_

Well Driller EASTERDAY Owner LEE DEVELOPMENT

Depth of Well 600 2.5 gpm  
Distance of Measuring Point (M.P.) above ground 1'  
Static Water Level (S.W.L.) below M.P. 39.4

Hook

I. High Rate Pumping -- reservoir drawdown Pump set 480'  
Time pump started 8:45 Pumping rate 20 gpm  
Total time 30 min to reach pumping water level 161 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>1</u> gal. bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per min.)
915	161'	20 sec	1 gal bucket	3 gpm
930	161'	20 "	"	3 "
945	161'	20 "	"	3 "
1000	161'	20 "	"	3 "
1015	161'	20 "	"	3 "
1030	161'	20 "	"	3 "
1045	161'	20 "	"	3 "
1100	161'	20 "	"	3 "
1115	161'	20 "	"	3 "
1130	161'	20 "	"	3 "
1145	162'	20 "	"	3 "
1200	162'	20 "	"	3 "
1215	162'	20 "	"	3 "
1230	162'	20 "	"	3 "
1245	162'	20 "	"	3 "
100	162'	20 "	"	3 "
115	162'	20 "	"	3 "
130	162'	20 "	"	3 "
145	162'	20 "	"	3 "
200	162'	20'	"	3 "
215	162'	20'	"	3 "
230	162'	20'	"	3 "
245	162'	20'	"	3 "
300	162'	20'	"	3 "
215	162'	20'	"	3 "



**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: Atlantic Blue Telephone #: 410-840-8112  
Address: 1802 Baltimore Blvd  
Westminster, 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): Kirk Sweeney License# 70788

**\*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: Catonville Homes Telephone #: 410-442-2211  
Subdivision: Terrapin Creek Lot #: 19 Well Tag #: HO-05-1119 ✓ 5/1/2018 @  
Site Address: 2018 Terrapin Creek Rd  
Sykesville, MD 21784

**Submersible Pump Data**

Make: \_\_\_\_\_  
Model #: \_\_\_\_\_  
Pump Capacity \_\_\_\_\_ GPM  
Well Yield: \_\_\_\_\_ GPM  
Depth of well encountered at time of pump installation: \_\_\_\_\_ (feet)

**Pitless Adapter**

Make: Campbell  
Model#: \_\_\_\_\_  
Depth: 42" (36" min)  
NSF/WSC approved: ✓

**Well Cap and Electric Conduit**

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

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

**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: ✓  
Approximate length of sleeve: 20ft  
Sleeve caulked and sealed properly: ✓

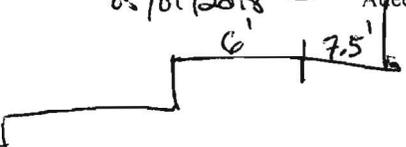
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: \_\_\_\_\_ date: 5/4/18

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

Date Insp. Requested: 05/01/2018 Date Insp. Approved: 05/01/2018 Inspector: Je  
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade ✓ 18" 05/01/2018 @  
Two piece cap installed and attached to casing securely ✓  
Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 38" 05/01/2018 @  
Safety rope not seen outside of well cap/casing ✓  
Correct well tag attached properly and casing 8" above finished grade ✓ 18" 05/01/2018 @  
Water supply line sleeved adequately at house connection ✓ 18.5' 05/01/2018 @  
Adequate grout observed below pitless adapter ✓

EX HOUSE @  
05/01/2018 @





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

## INTERIM CERTIFICATE OF POTABILITY

Expiration Date – January 18, 2019

July 18, 2018

Homeowner  
2018 Terrapin Creek Drive  
Sykesville, MD 21784

**RE: Terrapin Creek, Lot 19  
2018 Terrapin Creek Dr.  
Building Permit: B18000026  
Well Permit: HO-95-1119**

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 **5/9/2018**. Final approval of the well line connection to the dwelling was granted on **5/1/2018**. The well construction was completed on **8/20/2007**. Water samples were collected on **7/9/2018**.

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-95-1119. 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>



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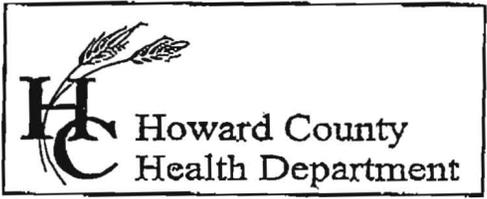
Maura J. Rossman, M.D., Health Officer

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

Approving Authority,

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

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



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*

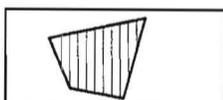
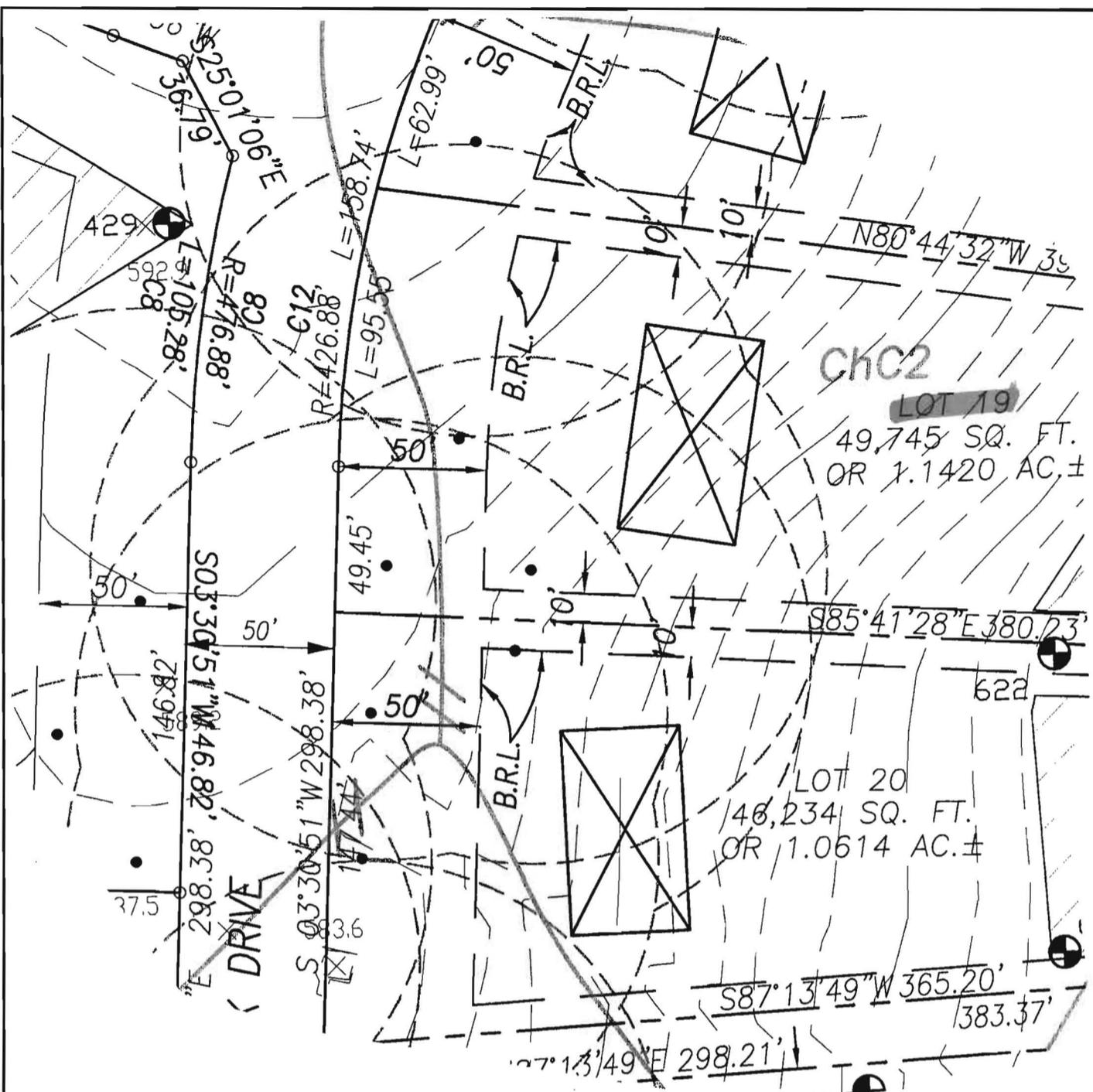
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

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*

*Habe*  
*Schwabe Farm*



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 19 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

# 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 #: 123192 Account #: 1045  
Reference: Catonsville Homes Lot 19 Company: Atlantic Blue Water Services  
Location: 2018 Terrapin Creek Road Requested By: Mark Mather  
Sykesville, MD 21784 Source: Well Water  
Date/ Time Collected: 7/9/2018 0900 Site: Well Tank ✓  
Date/Time Rec'd: 7/9/2018 1530 Treatment: None ✓  
Chlorine ppm: Free: ND Total: ND pH: 6.1  
Collected By: M. Mather 3480MM Well #: HO-95-1119

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	7/10/2018 / 1000 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223	7/10/2018 / 1000 / CRS
Nitrate	3.91	mg/L	10	601	7/10/2018 / 0910 / RER
Nitrite	0.077	mg/L	1	SM4500-NO2 B	7/10/2018 / 1120 / RER
Turbidity	2.96	NTU	<10	SM20 2130B	7/10/2018 / 0920 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	7/10/2018 / 0920 / RER
Iron	0.12	mg/L	0.3*	FR, 45 (126)	7/11/2018 / 1345 / RER

### NOTES

- 1 \*SMCL = Secondary Maximum Contaminant Level
- 2 mg/L = milligrams per liter (also, parts per million)
- 3 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 4 NS = None Seen (NS indicates less than 5 mg/L)
- 5 NTU = Nephelometric Turbidity Units
- 6 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 7 Sample collected by client, analyzed as received
- 8 ND = None Detected
- 9 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 10 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B18000026

Date Reported: 7/11/2018