

C1 64882

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. 8-6 ON ALL CARDS)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

07 08 2020

22 600 26 (TO NEAREST FOOT)

RR ok 7/29/20

140-18-0171

OWNER: OCR Development; WELL SITE ADDRESS: OLD Columbia Rd; TOWN: FULTON; SUBDIVISION: EVERGREEN FARM; SECTION: ; LOT: 1

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for SOIL, Brown shale, Light Brown shale, and GRA-1 Rock.

GROUTING RECORD section including: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (5), NO. OF POUNDS (200), GALLONS OF WATER (125), DEPTH OF GROUT SEAL (0 to 600 ft).

CASING RECORD section including: casing types (ST, CO, PL, OT), MAIN CASING TYPE (PL), Nominal diameter (6), Total depth (600).

OTHER CASING (if used) section with columns for diameter and depth.

SCREEN RECORD section including: screen type (ST, BR, HO, PL, OT), DEPTH (nearest ft.) table with values 600 and 600.

PUMPING TEST section including: PUMPING TEST (6), HOURS PUMPED (8.9), PUMPING RATE (1.07), METHOD USED TO MEASURE PUMPING RATE (Waich/Bucket), WATER LEVEL (39 ft before, 247 ft when pumping), TYPE OF PUMP USED (S - submersible).

PUMP INSTALLED section including: DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31-36), PUMP HORSE POWER (37-41), PUMP COLUMN LENGTH (43-47), CASING HEIGHT (+ above, - below).

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED: YES (Y), NO (N).

CIRCLE APPROPRIATE LETTER: A (ABANDONED), 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. M-D 355; DRILLERS SIGNATURE; LIC. NO. WR 113.

DEPTH (nearest ft.) table with values 600 and 600; SLOT SIZE 1, 2, 3; DIAMETER OF SCREEN (NEAREST INCH) 56-60.

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.

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

TELESCOPE CASING; LOG INDICATOR; OTHER DATA.

LATITUDE 39.14462; LONGITUDE 76.90955; (DEFAULT COORD. WGS 84)

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...

B 1  
65784

SEQUENCE NO.  
(MDE USE ONLY)

STATE OF MARYLAND  
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-18-0171

70 fill in this form completely 79

1 2 3 6

Date Received (APA)

8 MM DD YY 13

OWNER INFORMATION

OCR Development  
15 Last Name Owner First Name 34

2102 E. MADISON Street  
36 Street or RFD 55

Baltimore MD 21205  
57 Town 70 State 72 Zip 76

B 3

LOCATION OF WELL

Howard  
8 COUNTY 21

Evergreen Farm  
23 SUBDIVISION 42

SECTION 44 46 LOT 48 50

FULTON  
52 NEAREST TOWN 71

DRILLER INFORMATION

Michael Barlow MD 0355  
76 Driller's Name License No. 81

Barlow Well Drilling  
Firm Name

522 UNDERWOOD LANE 21014  
Address

Signature Date 11/4/19

B 4

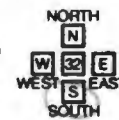
SOURCES OF DRILLING WATER

- 1. Well
- 2.
- 3. 12920

OLD Columbia Road

11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD  
(CIRCLE APPROPRIATE BOX)



34 1000 37  
DISTANCE FROM ROAD FT

ENTER FT OR MI 38 39

TAX MAP: 46 BLK: 3 PARCEL 337

B 2

WELL INFORMATION

APPROX. PUMPING RATE  
(GAL. PER MIN.) 5  
8 12

AVERAGE DAILY QUANTITY NEEDED  
(GAL. PER DAY) 750  
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

NOT TO BE FILLED IN BY DRILLER  
HEALTH DEPARTMENT APPROVAL

Howard A558056A 13  
COUNTY NAME COUNTY NO.

STATE SIGNATURE INSERT S 41

DATE ISSUED 2/5/20 2/5/21  
43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 300 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 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 DEEPEINED WELLS  
(CIRCLE APPROPRIATE BOX)

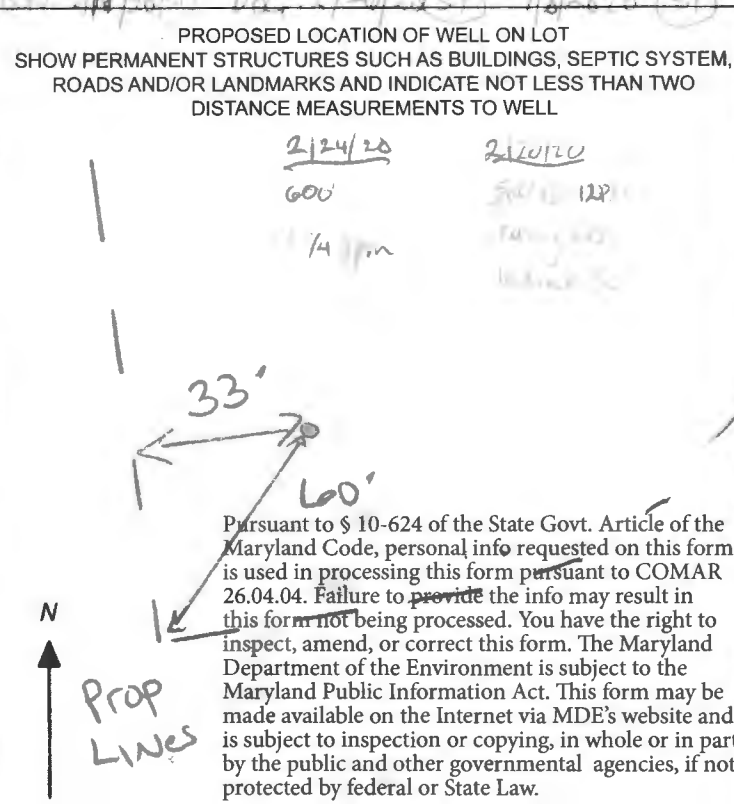
- THIS WELL WILL NOT REPLACE AN EXISTING WELL
- THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
- THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
- THIS WELL WILL DEEPEIN AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER G

PERMIT No. HO-18-0171  
70 71 72 73 74 75 76 77 78 79



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.

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED-

SEE ATTACHED MEMO



**MICHAEL BARLOW WELL DRILLING & SERVICE, INC.**  
 522 Underwood Lane Bel Air, Maryland 21014  
 (410) 838-6910 Fax (410) 838-3582

**WELL YIELD REPORT**

Date Test Completed:	July 8, 2020		
Well Depth:	600	feet	
Customer	OCR Development	Permit #	HO-18-0171
Road	Old Columbia Rd	Subdivision	Evergreen Farm
City	Fulton	Section	
State	MD	Lot #	1

Time	Water Level feet Pump set at 300'	Time to Fill 1-gallon bucket seconds	G.P.M.
10:00 AM	39	4	15.00
10:15 AM	127	4	15.00
10:30 AM	251	60	1.00
10:45 AM	250	60	1.00
11:00 AM	249	60	1.00
11:15 AM	247	56	1.07
11:30 AM	247	56	1.07
11:45 AM	247	56	1.07
12:00 PM	247	56	1.07
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3:45 PM	247	56	1.07
4:00 PM	247	56	1.07
4:15 PM	247	56	1.07
4:30 PM	247	56	1.07
4:45 PM	247	56	1.07
5:00 PM	247	56	1.07
5:15 PM	247	56	1.07
This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.			

**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 Freezer Co Telephone #: 410-781-4655  
Address: 2134 Snydersburg Rd  
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): Russell 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: Mueller Homes Telephone #: 410-549-4444  
Subdivision: \_\_\_\_\_ Lot #: 1 Well Tag #: HO-18-0171  
Site Address: 8220 White Pine Ct  
Fulton Md 20759

<b><u>Submersible Pump Data</u></b>	<b><u>Pitless Adapter</u></b>	<b><u>Well Cap and Electric Conduit</u></b>
Make: <u>Goolds</u>	Make: <u>Boshart</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>56S15412</u>	Model#: <u>P-100-SS</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>5</u> GPM	Depth: <u>42</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>1.07</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: _____ (feet)		Conduit secured to well cap: <u>Yes</u>

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

<b><u>Piping to house</u></b>	<b><u>House Connection</u></b>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve sealed properly: <u>Yes</u>

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 George Signature of company representative responsible for installation      10-1-24 date

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

Date Insp. Requested: 8/1/24 Date Insp. Approved: 12/12/24 Inspector: MEJ  
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 ✓



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

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

**INTERIM CERTIFICATE OF POTABILITY**  
Expiration Date – July 27, 2025

January 27, 2025

Homeowner  
8220 White Pine Court  
Fulton, MD 20759

**RE: Fulton Hill, Lot 1**  
**8220 White Pine Ct.**  
**Building Permit: B23003348**  
**Well Permit: HO-18-0171**

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 **12/18/2024**. Final approval of the well line connection to the dwelling was granted on **12/12/2024**. The well construction was completed on **7/8/2020**. Water samples were collected on **1/7/2025, 1/21/2025**.

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-18-0171. 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

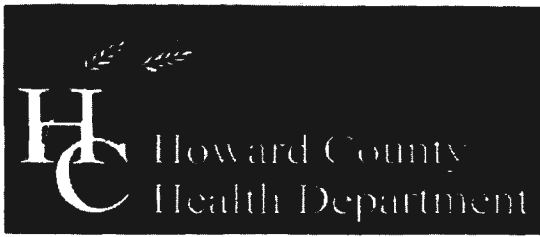
In closing, please refer to our "Homeowner Fact Sheet" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environment's website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', is written over a light blue 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



**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

**TO ALL INTERESTED PARTIES**

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

Well Site Location:

<u>Evergreen Farm</u>	<u>LOTS 1, 2, 7 + 8</u>	<u>OLD Columbia ROAD FULTON, MD</u>
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by Benchmark Engineering  
(professional land surveyor or company employing professional land surveyors)  
on 1/30/20 (date) and does not require a site inspection.

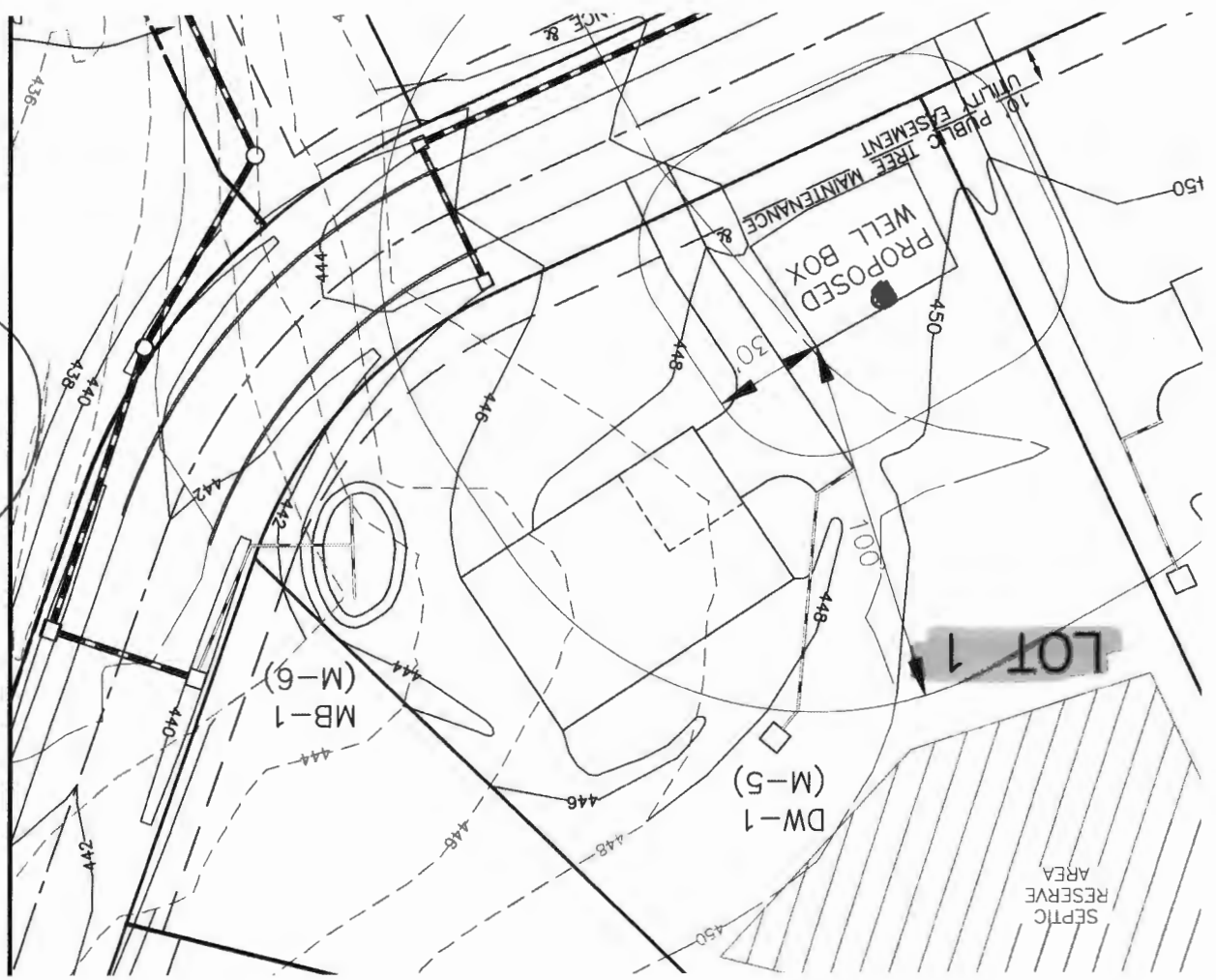
The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

This sheet, along with two copies of an acceptable well site plan, must be attached to the green well permit application.

H0-18-0171

1" = 50'


Well box site  
OK per 2/5/20



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

**MEMORANDUM**

**TO:** Michael Barlow Well Drilling (Michael Barlow MWD 355)

**FROM:** Ryan Rappaport, L.E.H.S.   
Well and Septic Program

**DATE:** February 5, 2020

**RE:** **SPECIAL CONDITIONS: Evergreen Farm Lots 1, 2, 7 and 8**

There are special conditions for the well permits associated with Evergreen Farm. See specific requirements below for lots 1, 2, 7 and 8.

**LOT 1**

- The well on Lot 1 will require TDS, sodium and chloride water samples during the yield test.
- The well on Lot 1 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

**LOT 2**

- The well on Lot 2 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

**LOT 7**

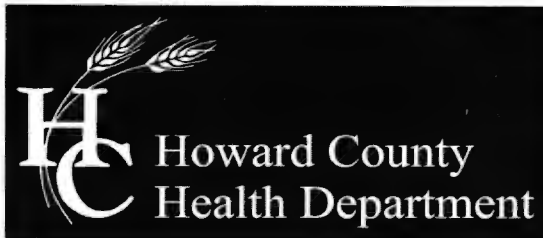
- The well on Lot 7 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

**LOT 8**

- The well on Lot 8 will require TDS, sodium and chloride water samples during the yield test.
- The well on Lot 8 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

**All drilling, grouting and yields must be called into the Health Department for inspection. For scheduling please call 410-313-1771.**

Cc: File



Bureau of Environmental Health

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www.hchealth.org

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

**Sodium, Chloride and Total Dissolved Solids water sampling results**

February 2, 2021

OCR Development  
2102 E. Madison St  
Baltimore, MD 21205

Re: Evergreen Farm, Lot 1  
Old Columbia Rd  
Well Permit: HO-18-0171

Dear OCR Development,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from your well water. These samples were collected directly from the raw well water when your well was drilled.

**Sodium from your well measured 11.92 mg/L.** There is no maximum contaminant level for sodium, however elevated sodium levels in drinking water could affect individuals on low-salt diets. If anyone in your household is on a low-salt diet, you may want to discuss these results with your physician.

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 14 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 132 mg/L.**

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

Respectfully,

Susan Thomas  
Environmental Health Specialist  
Howard County Health Department  
Well and Septic Program  
410-313-6287  
sathomas@howardcountymd.gov

✓ Cc: File

**MICHAEL BARLOW WELL DRILLING  
522 UNDERWOOD LANE  
BEL AIR, MD 21014  
410-838-6910**

Howard County Health Department  
7178 Columbia Gateway Drive  
Columbia, MD 21046  
Attn: Ryan Rappaport

September 10, 2020

Re: Evergreen Farm

Mr. Rappaport,

We received your email outlining your review of our completion reports for the Evergreen Farm project and have responded to each bullet point below.

- 1)The full size plan showing our attempts and septic areas for the subdivision will need to be supplied by the developer, but we will forward a copy of your email to them as a reminder.
- 2)The successful (1.5 gpm) well on lot 2 was not drilled until March 4, 2020 and was tested on March 13<sup>th</sup> as indicated on the yield report. The supplemental well was pumped on February 27<sup>th</sup> in tandem with another attempt to determine if together they would meet the 1 gpm requirement. The other attempt would not maintain at least ½ gpm so the test was stopped a couple hours into it and that other attempt was labeled a dry hole and abandoned. That failed test forced us to continue drilling, which resulted in the 1.5 gpm well. Since we had a well that met the 1 gpm requirement on it's own and we were not utilizing the supplemental well to meet that requirement, we did not test those two wells in tandem. I will provide you a copy of the abbreviated test for the supplemental well and if your office mandates that they be tested in tandem, will advise the developer of that requirement. Both of the wells are within the approved well area and will be located on the final plan.
- 3)The completion report for lot 4 should have shown 1 unsuccessful well to match the abandonment report provided. Should I send a revision or will you make to correction on your end.
- 4)There are no issues with the well on lot 5. The incident on 1/29/20 was the result of a ongoing personality conflict between your inspector and our driller, which has been discussed with Kevin Wolf and John Boris. Kevin Wolf made a site visit himself later that day to speak with our driller and contacted our office. Mr. Wolf is well aware of this incident and should be contacted if you need further information.

- 5) Only one attempt was made on lot 6 which resulted in the 4 gpm well.
- 6) The tag will be attached to the supplemental well on lot 7 once it has been received.
- 7) Please notify the developer that the request to use HO-81-2161 has been refused and that a site plan showing a new well area will need to be submitted along with a new well permit application before drilling can continue.
- 8) The missing data on the yield report for HO-18-0129 and completion report for the supplemental well is an oversight on our part. I will send you revisions of both. Once we receive the tag for the supplemental well, it will be attached to the well casing.

Michael Barlow  
MWD355

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# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 171169 Account #: 1933  
Reference: Mueller Homes Client: Fogle's Well Pump & Treatment  
Location: 8220 White Pine Court Requested By: Dave Fogle  
Fulton, MD 20759 Source: Well Water  
Date/ Time Collected: 1/7/2025 1145 Site: Kitchen Sink  
Date/Time Rec'd: 1/7/2025 1335 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.5  
Collected By: J. Evans 0309JE Well #: HO-18-0171

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	>200.5	MPN/ 100 ml	<1.0	SM20 9223B	1/8/2025 / 0900 / KDR
Bacteria, E. coli, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM20 9223B	1/8/2025 / 0900 / KDR
Nitrate.	4.30 ✓	mg/L (as N)	10	EPA 300.0	1/7/2025 / 1617 / KDR
Turbidity	2.32 ✓	NTU	<10	SM2130B	1/8/2025 / 0845 / KDR
Sand	ND ✓	mg/L	5	Visual/Gravimetric	1/8/2025 / 0855 / KDR

OK

### 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 Sample collected by client, analyzed as received
- 6 ND:None Detected
- 7 Visual well check: Sealed, vented cap
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy

Building Permit # : B23003348

Date Reported: 1/8/2025

## Rappaport, Ryan

---

**From:** Rappaport, Ryan  
**Sent:** Tuesday, August 11, 2020 10:28 AM  
**To:** Mike Isom (misom@mbwd.us)  
**Cc:** Williams, Jeffrey; Wolf, Kevin; Cabahug, Joseph; Thomas, Susan; Oswald, Hank  
**Subject:** Evergreen Farm - well requirement update

Hello Mike, I've had an opportunity to review the Evergreen Farm well package that you sent in July and was able to discuss it with Jeff and Kevin. Listed below are the follow up requirements needed by Barlow Well Drilling

- A full size plan showing the exact location of all the wells, supplemental wells, dry holes, current well boxes and septic areas for lots 1-8.
- The yield test for the first successful well on lot 2 with 1.5 gpm (well tag # HO-18-0172) was reported by the inspector to be completed on 2/27/20 but the yield report provided by Barlow is dated 3/13/2020. Please explain the discrepancy. Your request for the additional well on lot 2 at .75 gpm has been approved however there was no well exhibit or yield test data provided with the submittal. Please provide a well site plan for the supplemental well and according to COMAR 26.04.04.26 (H)(4) these two wells on lot 2 will need to be yield tested at the same time.
- The completion report for lot 4 (well tag # HO-18-0165) notes that there were no unsuccessful wells however the driller submitted an abandonment report for a 600' dry hole on this lot. Please clarify this discrepancy.
- On 1/29/2020 the driller refused a drilling inspection for Lot 5 (HO-18-0166), please explain. Is there an issue with this well that needs to be reported to the Health Dept?
- There's a note on the well exhibit for lot 6 which claims there was a dry hole drilled on this lot but the completion reports states that there were no unsuccessful wells. Please clarify and if there is a dry hole on this lot please provide an abandonment report and make note of it on the full size plan which has been requested.
- The supplemental well for lot 7 has all the necessary submittals and has been approved. The approved permit with a well tag will be sent to Barlow Well Drilling in the mail.
- The request to yield the 8250 Old Columbia Rd existing well (tag # HO-81-2161) and use it to serve lot 8 by using an easement designation has been denied. The HO-81-2161 well is not noted on any plan provided to the Health Dept. Lot 8 will require a successful well within the lot boundaries in order to be a buildable lot. If the developer wants to maintain this as a buildable lot, a new well box will need to be reviewed by the Well & Septic Supervisor and must meet all required setbacks. The new proposed well box should be noted on the requested full size plan for review.
- The depth at which the pump was set for the well yield report for the Parcel A lot (tag# HO-18-0129) must be provided. The grouting record on the completion report for the Parcel A supplemental well is missing and must also be provided. The supplemental well permit application has been approved and the permit along with a well tag will be sent to Barlow once this Parcel A additional information has been provided to the Health Dept.

Send Report To: Bert Nixon

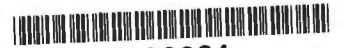
State of Maryland  
MDH Laboratories Administration

Division of Environmental Sciences

TRACE METALS LABORATORY

1770 Ashland Avenue  
Baltimore, Maryland 21205

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



E2100090001

Received: 07/09/2020

Metals

HOST0171NA

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: HOST0171NA Site Name: Evergreen Farm, Lot 1 County: Howard

Sample Source: Old Columbia Rd, Fulton Collector: Susan Thomas  
Street Town or City Name

Date Collected: 07/08/2020 Time Collected: 11:10 (a.m.) p.m. Phone #: 410-313-6287

Sample Preserved By:  Field  ESRL  WMRL  Central Lab

Preservative Used:  HNO<sub>3</sub> 2 mL pH: 6.0 pH: < 2  
(field use only) (lab use only)

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: Collected at middle of yield

\*Place a  by the element(s) requested for testing

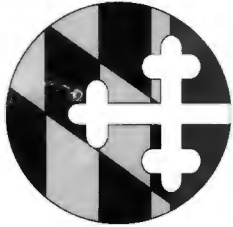
<input checked="" type="checkbox"/>	Element	Lab Use	<input checked="" type="checkbox"/>	Element	Lab Use	<input checked="" type="checkbox"/>	Element	Lab Use
	Antimony (Sb)			Aluminum (Al)			Uranium (U)	
	Arsenic (As)			Calcium (Ca)			Vanadium (V)	
	Barium (Ba)			Cobalt (Co)			Zinc (Zn)	
	Beryllium (Be)			Copper (Cu)				
	Cadmium (Cd)			Iron (Fe)				
	Chromium (Cr)			Lead (Pb)				
	Mercury (Hg)			Magnesium (Mg)				
	Nickel (Ni)			Manganese (Mn)				
	Selenium (Se)			Molybdenum (Mo)				
X	Sodium (Na)	<u>SAS</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

Lab Supervisor: \_\_\_\_\_

Date Reported: \_\_\_/\_\_\_/\_\_\_

•Phone: (443) 681 - 4596

•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: E21000090 Date Coll.:07/08/2020 Date Received:07/09/2020 Submitted By: Thomas

Field ID: HOST0171NA  
Lab No.: E21000090001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	11.92	ppm	07/15/2020

### Comments:

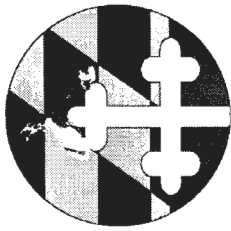
Approved by: Wendy L. Tresser

Approval date: 07/20/2020

\*\*The following methods are included in our A2LA Scope of Accreditation: EPA 200.7, EPA 200.8, EPA 245.1. Samples are tested as received.

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.





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 NoE21000091 Date Coll. 07/08/2020 Date Received: 07/09/2020 Submitted By: Thomas

Field ID: HOST0171TDSCCL  
Lab No.: E21000091001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	14	mg/L	07/14/2020
Total Dissolved Solids	SM 2540C	132	mg/L	07/10/2020

### Comments:

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

*Shahin Aneli*

Approval date: 07/16/2020

\*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. Samples are tested as received.

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.

**From:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>  
**Sent:** Thursday, December 19, 2019 8:18 AM  
**To:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>  
**Subject:** RE: F-18-047

Yes. Page 12 has a decent view if you look close, you can see the little double lines of where the curb starts around the cul de sac. Page 3 has a profile of the curb and gutter. Don't forget to check the file to make sure the lots along the road leading to the cul de sac have a note in red marker on the folder cover saying the wells shall be drilled in the back edge of the well box. That is what we agreed with them to allow the stretch leading to the cul de sac to not have curb and gutter.

**From:** Oswald, Hank  
**Sent:** Wednesday, December 18, 2019 10:59 AM  
**To:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>  
**Subject:** F-18-047

Hi Jeff:

Does this plan show curb and gutter? It's hard to tell.

Thanks,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)



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# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 171457 Account #: 1933  
Reference: Mueller Homes Client: Fogle's Well Pump & Treatment  
Location: 8220 White Pine Court Requested By: Dave Fogle  
Fulton, MD 20759 Source: Well Water  
Date/ Time Collected: 1/21/2025 1310 Site: Kitchen Sink  
Date/Time Rec'd: 1/21/2025 1430 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.5  
Collected By: J. Evans 0309JE Well #: HO-18-0171

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM20 9223B	1/22/2025 / 0930 / KDR
Bacteria, E. coli, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM20 9223B	1/22/2025 / 0930 / KDR

OK

### NOTES:

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 Sample collected by client, analyzed as received
- 4 ND:None Detected
- 5 Visual well check: Sealed, vented cap
- 6 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy

Building Permit # : B23003348

Date Reported: 1/22/2025

## Williams, Jeffrey

---

**From:** amiller@bei-civilengineering.com  
**Sent:** Wednesday, October 16, 2019 9:16 AM  
**To:** Williams, Jeffrey  
**Subject:** RE: F-18-047 Fulton Hill

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

I think we'll do the box – that way if they do have a well that doesn't make it, they will know where the limits are.

Thanks for the response!

Alice A. Miller, P.E.  
410-465-6105 (voice)

**From:** Williams, Jeffrey <jewilliams@howardcountymd.gov>  
**Sent:** Wednesday, October 16, 2019 9:09 AM  
**To:** 'amiller@bei-civilengineering.com' <amiller@bei-civilengineering.com>  
**Subject:** RE: F-18-047 Fulton Hill

That note looks fine. If you want to just stake the individual well site at the back, that is also fine, just make sure the staked location is the same as the little w circle on the plan and it wouldn't hurt to add a little note to the plan indicating that just the well site is staked, not the whole box.

**From:** amiller@bei-civilengineering.com <amiller@bei-civilengineering.com>  
**Sent:** Tuesday, October 15, 2019 3:39 PM  
**To:** Williams, Jeffrey <jewilliams@howardcountymd.gov>  
**Subject:** RE: F-18-047 Fulton Hill

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Jeff – I'm starting the well exhibits for this plan, and since we discussed locating the wells at the rear of the box, I think we'll show and stake a single location within the well box. I also added a note (below and on the right side of the plan view). Let me know if you would like this to read differently. I'm going to try to wrap this up tomorrow (Wednesday, Oct 16), so if you haven't had a chance to look before then, your reviewer may see them coming in soon.

Alice A. Miller, P.E.  
410-465-6105 (voice)

**From:** Williams, Jeffrey <jewilliams@howardcountymd.gov>  
**Sent:** Thursday, October 10, 2019 9:31 AM  
**To:** 'amiller@bei-civilengineering.com' <amiller@bei-civilengineering.com>  
**Cc:** Oswald, Hank <hoswald@howardcountymd.gov>; Edmondson, Chad <cedmondson@howardcountymd.gov>; Thompson, Phil <pthompson@howardcountymd.gov>; Chris Malagari <cmalagari@bei-civilengineering.com>  
**Subject:** RE: F-18-047 Fulton Hill

Thanks Alice. We'll take the SDP location of the other well to confirm 50+' separation.

As for the other wells, I had forgotten our previous discussions about the swales. In the 3 years since, we've tightened down even more on trying to prevent road salt problems, but we will honor what we agreed to on this project. I would like to make sure that the initial wells on those lots get drilled at the back edge of the well boxes to maximize separation. We'll note it in the file and when you go to drill, maybe we can just have the back edge line staked for the driller.

Chad: we'll accept this as-is. Thanks for looking out and sorry for the couple day limbo based on me forgetting that we did this already back in 2016.

Jeff

**From:** [amiller@bei-civilengineering.com](mailto:amiller@bei-civilengineering.com) <[amiller@bei-civilengineering.com](mailto:amiller@bei-civilengineering.com)>

**Sent:** Wednesday, October 09, 2019 2:23 PM

**To:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>

**Cc:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>; Edmondson, Chad <[cedmondson@howardcountymd.gov](mailto:cedmondson@howardcountymd.gov)>;

Thompson, Phil <[pthompson@howardcountymd.gov](mailto:pthompson@howardcountymd.gov)>; Chris Malagari <[cmalagari@bei-civilengineering.com](mailto:cmalagari@bei-civilengineering.com)>

**Subject:** RE: F-18-047 Fulton Hill

[Note: This email originated from outside of the organization. Please only click on links or attachments if you know the sender.]

Jeff – DED brought this up during the development reviews. We confirmed with the Health Department that the minor 'disconnection' drainage areas near lots 1-4, and 6-8 would be allowable and 'not be considered a swale'. (see attached) The inlets capture these minor flows.

We didn't field location the well (I can't say why, except that so much of the Church's sign was on 'our' property that the field guys probably already thought they had gone far enough). However, we did locate it from the church's SDP. On the attached plan, you can see that the well is about 49' (maybe even 50'). The outside edge of the swale is 3.4' off the property, so the well is 52.4' off the swale.

Alice A. Miller, P.E.  
410-465-6105 (voice)

**From:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>

**Sent:** Wednesday, October 9, 2019 1:19 PM

**To:** [AMILLER@BEI-CIVILENGINEERING.COM](mailto:AMILLER@BEI-CIVILENGINEERING.COM)

**Cc:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>; Edmondson, Chad <[cedmondson@howardcountymd.gov](mailto:cedmondson@howardcountymd.gov)>;

Thompson, Phil <[pthompson@howardcountymd.gov](mailto:pthompson@howardcountymd.gov)>

**Subject:** F-18-047 Fulton Hill

Hello Alice. DED caught something on the plat supplemental for this project. There are roadside swales and inlets less than 50' from the wellboxes on lots 1-4 and 6-8. The well on St. Francis lot 1 may be less than 50' from the entrance roadside swale, the plan just says approximate well location and shows it 56' away.

The perc cert we signed in 2018 contained a note that stated all wells would be over 50' from roadside swales or curb and gutter would be utilized. We need this to be revised before we can sign the plat or release any well permits. Thanks

Jeff Williams  
Program Supervisor, Well & Septic Program  
Bureau of Environmental Health  
Howard County Health Dept.  
410-313-4261

## Williams, Jeffrey

---

**From:** Oswald, Hank <hoswald@howardcountymd.gov>  
**Sent:** Thursday, October 20, 2016 8:39 AM  
**To:** Alice Miller  
**Subject:** RE: Health Department conversation record  
**Attachments:** Evergreen Farms SWM and Grading.pdf

Hi Alice:

We never take a setback from sheet flow credit, only actual devices or graded swales. In terms of the swale, we have agreed to consider the grading as shown on the attached sheet to be minor enough in nature to not take a 50' setback.  
Hank

---

**From:** Alice Miller [mailto:amiller@bei-civilengineering.com]  
**Sent:** Thursday, October 20, 2016 7:45 AM  
**To:** Oswald, Hank  
**Cc:** Billy Seay; Chris Malagari  
**Subject:** RE: Health Department conversation record

Hank – Can you provide a confirmation (or correction!) on this? I need to send something to DED before they reject the ECP again.

Thank you,

Alice A. Miller, P.E.  
410-465-6105 (voice)

---

**From:** Alice Miller [mailto:amiller@bei-civilengineering.com]  
**Sent:** Tuesday, October 04, 2016 1:09 PM  
**To:** Oswald, Hank (hoswald@howardcountymd.gov)  
**Cc:** Billy Seay; Chris Malagari (cmalagari@bei-civilengineering.com)  
**Subject:** Health Department conversation record

Hank;

For the purpose of documentation for plan submission, following are the issues DED raised, which we've discussed, and the resolutions:

Driveway sheetflow disconnections may overlap well boxes.

Swales must be 50' from well boxes, but given the minor nature of the road, the sheetflow disconnection treatment of the flow, and the minor drainage area, the conveyance swales in front of Lots 2,3,4,6 and 7 may be allowed.

Please confirm, or clarify if I've misstated anything!

Alice A. Miller, P.E.  
Benchmark Engineering, Inc.  
8480 Baltimore National Pike, Suite 315  
Ellicott City, Maryland 21043  
410-465-6105 (voice)  
410-465-6644 (fax)

**From:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>  
**Sent:** Thursday, December 19, 2019 8:18 AM  
**To:** Oswald, Hank <[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)>  
**Subject:** RE: F-18-047

Yes. Page 12 has a decent view if you look close, you can see the little double lines of where the curb starts around the cul de sac. Page 3 has a profile of the curb and gutter. Don't forget to check the file to make sure the lots along the road leading to the cul de sac have a note in red marker on the folder cover saying the wells shall be drilled in the back edge of the well box. That is what we agreed with them to allow the stretch leading to the cul de sac to not have curb and gutter.

**From:** Oswald, Hank  
**Sent:** Wednesday, December 18, 2019 10:59 AM  
**To:** Williams, Jeffrey <[jewilliams@howardcountymd.gov](mailto:jewilliams@howardcountymd.gov)>  
**Subject:** F-18-047

Hi Jeff:

Does this plan show curb and gutter? It's hard to tell.

Thanks,

Hank

Hank Oswald  
Licensed Environmental Health Specialist  
Howard County Health Department  
Bureau of Environmental Health  
Well & Septic Program  
8930 Stanford Boulevard  
Columbia, MD 21045  
410.313.1786 (Office)  
[hoswald@howardcountymd.gov](mailto:hoswald@howardcountymd.gov)



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