

<b>C1</b> <span style="font-size: 24pt; font-weight: bold;">64128</span>	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND</b> <b>WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE TYPE	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																															
ST/GO USE ONLY DATE Received MM DD YY 01 15 20	DATE WELL COMPLETED MM DD YY 02 07 2020		PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho 18 - 0166																														
OWNER <u>OKR Development</u> WELL SITE ADDRESS <u>OLD Columbia Rd</u> SUBDIVISION <u>Evergreen Farm</u> SECTION <u>    </u> LOT <u>5</u>		Depth of Well 22 <u>450</u> 26 (TO NEAREST FOOT)																															
<b>WELL LOG</b> Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING		<b>GROUTING RECORD</b> WELL HAS BEEN GROUTED (Circle appropriate box) TYPE OF GROUTING MATERIAL (Circle one) CEMENT <u>CM</u> BENTONITE CLAY <u>BC</u> NO. OF BAGS <u>45</u> NO. OF ROUNDS <u>300</u> GALLONS OF WATER <u>250</u> DEPTH OF GROUT SEAL (to nearest foot) from <u>0</u> TOP 52 ft. to <u>110</u> BOTTOM 58 ft. (enter 0 if from surface)																															
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">DESCRIPTION (Use additional sheets if needed)</th> <th colspan="2">FEET</th> <th rowspan="2">check if water bearing</th> </tr> <tr> <th>FROM</th> <th>TO</th> </tr> </thead> <tbody> <tr> <td>Soil</td> <td>0</td> <td>6</td> <td></td> </tr> <tr> <td>Brown Shale</td> <td>6</td> <td>40</td> <td></td> </tr> <tr> <td>Light Brown Shale</td> <td>40</td> <td>75</td> <td></td> </tr> <tr> <td>Brown Shale</td> <td>75</td> <td>106</td> <td></td> </tr> <tr> <td>Med Gray Rock</td> <td>106</td> <td>450</td> <td></td> </tr> </tbody> </table>		DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing	FROM	TO	Soil	0	6		Brown Shale	6	40		Light Brown Shale	40	75		Brown Shale	75	106		Med Gray Rock	106	450		<b>CASING RECORD</b> casing types insert appropriate code below <table style="width:100%;"> <tr> <td><u>ST</u> STEEL</td> <td><u>CO</u> CONCRETE</td> </tr> <tr> <td><u>PL</u> PLASTIC</td> <td><u>OT</u> OTHER</td> </tr> </table> MAIN CASING TYPE <u>PL</u> Nominal diameter top (main) casing (nearest inch) <u>6</u> Total depth of main casing (nearest foot) <u>110</u> 60 61 63 64 65 66 67 68 69 70		<u>ST</u> STEEL	<u>CO</u> CONCRETE	<u>PL</u> PLASTIC	<u>OT</u> OTHER
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing																														
	FROM	TO																															
Soil	0	6																															
Brown Shale	6	40																															
Light Brown Shale	40	75																															
Brown Shale	75	106																															
Med Gray Rock	106	450																															
<u>ST</u> STEEL	<u>CO</u> CONCRETE																																
<u>PL</u> PLASTIC	<u>OT</u> OTHER																																
NUMBER OF UNSUCCESSFUL WELLS: <u>0</u>		<b>OTHER CASING (if used)</b> diameter depth (feet) inch from to EACH CASING _____																															
WELL HYDROFRACTURED <u>Y</u> <u>N</u>		<b>SCREEN RECORD</b> screen type or open hole insert appropriate code below <table style="width:100%;"> <tr> <td><u>ST</u> STEEL</td> <td><u>BR</u> BRASS</td> <td><u>HO</u> OPEN HOLE</td> </tr> <tr> <td><u>PL</u> PLASTIC</td> <td><u>OT</u> OTHER</td> <td></td> </tr> </table>		<u>ST</u> STEEL	<u>BR</u> BRASS	<u>HO</u> OPEN HOLE	<u>PL</u> PLASTIC	<u>OT</u> OTHER																									
<u>ST</u> STEEL	<u>BR</u> BRASS	<u>HO</u> OPEN HOLE																															
<u>PL</u> PLASTIC	<u>OT</u> OTHER																																
CIRCLE APPROPRIATE LETTER <b>A</b> A WELL WAS ABANDONED AND SEALED WHEN THIS WELL WAS COMPLETED <b>E</b> ELECTRIC LOG OBTAINED <b>P</b> TEST WELL CONVERTED TO PRODUCTION WELL		<b>PUMPING TEST</b> HOURS PUMPED (nearest hour) <u>3</u> PUMPING RATE (gal. per min.) <u>6.0</u> METHOD USED TO MEASURE PUMPING RATE <u>Water/ Bucket</u> WATER LEVEL (distance from land surface) BEFORE PUMPING <u>28</u> ft. WHEN PUMPING <u>180</u> ft. TYPE OF PUMP USED (for test) <u>A</u> air <u>P</u> piston <u>T</u> turbine <u>C</u> centrifugal <u>R</u> rotary <u>O</u> other (describe below) <u>J</u> jet <u>S</u> submersible																															
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.		<b>PUMP INSTALLED</b> DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES <u>NO</u> 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. <u>29</u> CAPACITY: GALLONS PER MINUTE (to nearest gallon) <u>31</u> <u>35</u> PUMP HORSE POWER <u>37</u> <u>41</u> PUMP COLUMN LENGTH (nearest ft.) <u>43</u> <u>47</u>																															
DRILLERS LIC. NO. <u>M D 355</u> DRILLERS SIGNATURE <u>WRG 113</u> LIC. NO. <u>WRG 113</u>		<b>CASING HEIGHT</b> (circle appropriate box and enter casing height) <u>+</u> above <u>1</u> (nearest foot) <u>-</u> below <u>50</u> <u>51</u>																															
SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee)		LATITUDE <u>39 14 39.7</u> LONGITUDE <u>76 9 11.6</u> (DEFAULT COORD. WGS 84)																															
MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q 70 72 74 75 76 TELESCOPE LOG OTHER DATA CASING INDICATOR		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.																															

<b>B 1</b> <div style="font-size: 2em; font-weight: bold;">657-88</div>	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND <b>APPLICATION FOR PERMIT TO DRILL WELL</b> please type	STATE PERMIT NUMBER <div style="font-size: 1.5em; font-weight: bold;">HO-18-0166</div> <div style="font-size: 0.8em;">fill in this form completely</div>
<b>OWNER INFORMATION</b> Date Received (APA) <u>11/06/19</u> <div style="font-size: 0.8em;">8 MM DD YY 13</div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">OCR Development</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">15 Last Name</div> <div style="width: 30%;">Owner</div> <div style="width: 30%;">First Name</div> <div style="width: 10%;">34</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">202 E. Madison Street</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">36 Street or RFD</div> <div style="width: 10%;">55</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px;">Baltimore MD 21205</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 20%;">57 Town</div> <div style="width: 10%;">70 State</div> <div style="width: 10%;">72</div> <div style="width: 10%;">Zip</div> <div style="width: 10%;">76</div> </div>		<b>LOCATION OF WELL</b> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">Howard</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">8 COUNTY</div> <div style="width: 10%;">21</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">Evergreen Farm</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">23 SUBDIVISION</div> <div style="width: 10%;">42</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">SECTION 44 46</div> <div style="width: 10%;">LOT 5</div> <div style="width: 10%;">48 50</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">Fulton</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">52 NEAREST TOWN</div> <div style="width: 10%;">71</div> </div>	
<b>DRILLER INFORMATION</b> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">Michael Barbow</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Driller's Name</div> <div style="width: 10%;">76</div> <div style="width: 10%;">License No.</div> <div style="width: 10%;">81</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">Barbow Well Drilling</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Firm Name</div> <div style="width: 10%;">76</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">522 Underwood Lane 21014</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Address</div> <div style="width: 10%;">76</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">[Signature]</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">Signature</div> <div style="width: 10%;">Date</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">11/6/19</div>		<b>SOURCES OF DRILLING WATER</b> 1. Well 2. 3. 6 gpm 200' pump 100' into well 20' + 10'	
<b>WELL INFORMATION</b> APPROX. PUMPING RATE (GAL. PER MIN.) <u>5</u> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">8</div> <div style="width: 10%;">12</div> </div> AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) <u>750</u> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">14</div> <div style="width: 10%;">20</div> </div>		<div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">46 Columbia Rd</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">11 STREET ADDRESS</div> <div style="width: 10%;">30</div> </div> <div style="text-align: center; margin-top: 10px;">         ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)         <div style="display: flex; justify-content: center; align-items: center; gap: 10px;"> <div style="text-align: center;">NORTH N</div> <div style="text-align: center;">WEST W</div> <div style="text-align: center;">EAST E</div> <div style="text-align: center;">SOUTH S</div> </div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">34 1000</div> <div style="width: 10%;">37</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">DISTANCE FROM ROAD</div> <div style="width: 10%;">ENTER FT OR MI</div> <div style="width: 10%;">38 39</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">TAX MAP: 46</div> <div style="width: 10%;">BLK: 3</div> <div style="width: 10%;">PARCEL: 337</div> </div>	
<b>USE FOR WATER</b> (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input checked="" type="radio"/> D DOMESTIC POTABLE SUPPLY &amp; RESIDENTIAL IRRIGATION  <input type="radio"/> F FARMING (LIVESTOCK WATERING &amp; AGRICULTURAL IRRIGATION)  <input type="radio"/> I INDUSTRIAL, COMMERCIAL, DEWATERING  <input type="radio"/> P PUBLIC WATER SUPPLY WELL  <input type="radio"/> T TEST, OBSERVATION, MONITORING  <input type="radio"/> O OPEN LOOP GEOTHERMAL  <input type="radio"/> C CLOSED LOOP GEOTHERMAL         </div> <div style="width: 30%;">22</div> </div>		<b>NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL</b> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">Howard</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">COUNTY NAME</div> <div style="width: 10%;">A558086</div> <div style="width: 10%;">COUNTY NO. 13</div> </div> <div style="border-bottom: 1px solid black; padding-bottom: 2px; margin-bottom: 5px;">[Signature]</div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">STATE SIGNATURE</div> <div style="width: 10%;">INSERT S →</div> <div style="width: 10%;">41</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 10px;"> <div style="width: 30%;">DATE ISSUED 1/17/20</div> <div style="width: 10%;">CO SIGNATURE [Signature]</div> <div style="width: 10%;">EXP. DATE 1/1/21</div> </div> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">43 MM DD YY 48</div> <div style="width: 10%;">CO SIGNATURE</div> <div style="width: 10%;">EXP. DATE</div> </div>	
APPROXIMATE DEPTH OF WELL <u>300</u> FEET <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">24</div> <div style="width: 10%;">28</div> </div> APPROXIMATE DIAMETER OF WELL <u>6</u> INCH <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">NEAREST INCH</div> <div style="width: 10%;">24</div> </div>		<b>PROPOSED LOCATION OF WELL ON LOT</b> SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL <div style="margin-top: 20px;"> <p>01/29/2020</p> <p>1/30/20</p> <p>450' total</p> <p>bedrock 100'</p> <p>casing 110'</p> <p>5/6 gpm</p> <p>~100' DEEP</p> <p>CHARLIE</p> <p>REFUSED INSPECTION</p> <p>CONFIRMED REFUSAL</p> <p>10:40 STOP WORK ORDER</p> <p>OBS CONTINUED</p> <p>WORK</p> <p>110' CASING</p> <p>380' DEEP</p> <p>~1.5 gpm</p> </div>	
<b>METHOD OF DRILLING</b> (circle one) <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input type="radio"/> BORED (or Augered)  <input type="radio"/> AIR-ROTARY  <input type="radio"/> CABLE            other         </div> <div style="width: 30%;"> <input checked="" type="radio"/> JETTED  <input type="radio"/> AIR-PERCussion  <input type="radio"/> Reverse ROTARY         </div> <div style="width: 30%;"> <input type="radio"/> Jetted &amp; DRIVEN  <input type="radio"/> ROTARY (Hydraulic Rotary)  <input type="radio"/> Drive-POINT         </div> </div>		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.	
<b>REPLACEMENT OR DEEPEMED WELLS</b> (CIRCLE APPROPRIATE BOX) <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> <input checked="" type="radio"/> N THIS WELL WILL NOT REPLACE AN EXISTING WELL  <input type="radio"/> Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  <input type="radio"/> S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  <input type="radio"/> D THIS WELL WILL DEEPMEN AN EXISTING WELL         </div> <div style="width: 30%;">39</div> </div> PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 _____ 52		<b>Not to be filled in by driller (MDE OR COUNTY USE ONLY)</b> APPROP. PERMIT NUMBER _____ G _____ PERMIT No. <u>HO-18-0166</u> <div style="display: flex; justify-content: space-between;"> <div style="width: 30%;">70 71 72 73 74 75 76 77 78 79</div> </div>	
<b>SPECIAL CONDITIONS</b> NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.			



**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: February 7, 2020

Well Depth: 450 feet

Customer OCR Development  
 Road Old Columbia Road  
 City Fulton  
 State Maryland

Permit # HO-18-0166  
 Subdivision Evergreen Farm  
 Section \_\_\_\_\_  
 Lot # 5

Time	Water Level feet Pump set @ 200'	Time to Fill 1-gallon bucket seconds	G.P.M.
9:30 AM	28	4	15.00
9:45 AM	117	5	12.00
10:00 AM	180	10	6.00
10:15 AM	180	10	6.00
10:30 AM	180	10	6.00
10:45 AM	180	10	6.00
11:00 AM	180	10	6.00
11:15 AM	180	10	6.00
11:30 AM	180	10	6.00
11:45 AM	180	10	6.00
12:00 PM	180	10	6.00
12:15 PM	180	10	6.00
12:30 PM	180	10	6.00
12:45 PM	180	10	6.00
1:00 PM	180	10	6.00
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  
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

## 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: Fogle's Well Pump + Water Treatment, LLC Telephone #: 410-795-1535

Address: P.O. Box 63

Woodbine, Maryland 21797

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer

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

Name (Print): Dave C. Fogle License# MSD226

\*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: Cain Custom Homes Telephone #: \_\_\_\_\_  
Subdivision: Fulton Hills Lot 5 Lot #: 5 Well Tag #: HO-18-0166  
Site Address: 8236 White Pine Ct  
Fulton, MD 20759

### Submersible Pump Data

Make: Grundfos

Model #: ISSG10-220

Pump Capacity: 15

Well Yield: 6

Depth of well encountered at time of pump installation: 450 feet

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4

Must circle one: Torque arrestors / Cable guards / Other acceptable method used

Safety rope, if used, attached to brass rope adapter or other acceptable method inside of well casing N/A

### Pitless Adapter

Make: Campbell

Model#: N/A

GPM Depth: 36" (36" min)

GPM 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

### Piping to house

Type: 1" poly pipe

PSI: 200 psi (160 psi min)

Depth of supply line: 36" (36" min)

### House Connection

PVC sleeve to undisturbed soil at wall penetration: yes

Length of sleeve (5' minimum from foundation): 6'

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.

Signature of company representative responsible for installation

Date

4/26/2023

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

Date Insp. Requested: 4/15/23 Date Insp. Approved: 4/26/23 Inspector: SP  
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 – November 9, 2023**

November 9, 2023

Homeowner  
8236 White Pine Court  
Fulton, MD 20759

**RE: Fulton Hill, Lot 5**  
**8236 White Pine Ct.**  
**Building Permit: B22003426**  
**Well Permit: HO-18-0166**

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 **3/20/2023**. Final approval of the well line connection to the dwelling was granted on **4/26/2023**. The well construction was completed on **2/7/2020**. Water samples were collected on **10/19/2023, 11/6/2023**.

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-18-0166. 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.**

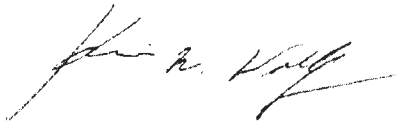
Please contact (410) 313-1773 to schedule a final water sample appointment or contact a Maryland certified water laboratory to schedule a water sample. A list of laboratories certified by the state of Maryland may be found at the following website:  
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

---

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

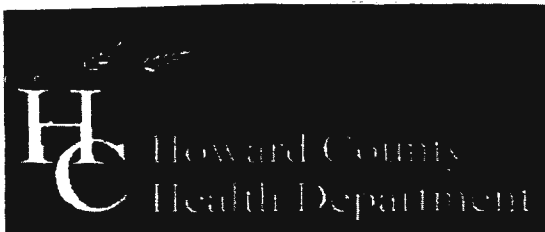
In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environments website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://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:

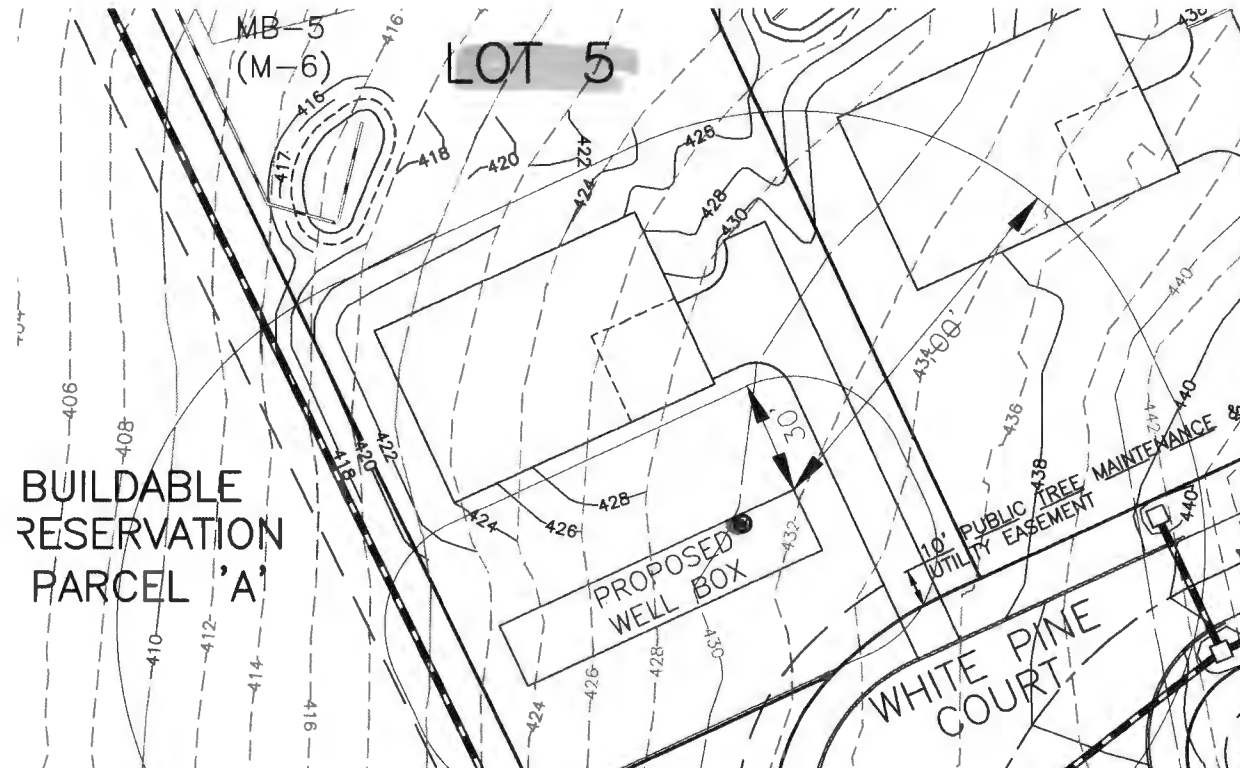
Well Site Location:

EVERGREEN FARM	LOTS 3, 4, 5 + 6	OLD COLUMBIA RD FULTON
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 1/14/2020 (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.



Well box site ok  
(PK) 1/17/20  
field verified stakes  
on 1/17/20 (PK)



---

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:** January 17, 2020

**RE:** **SPECIAL CONDITIONS: Evergreen Farm Lots 3 through 6**

---

There are special conditions for the well permits associated with Evergreen Farm. See specific requirements below for lots 3 through 6.

**LOT 3**

- The well on Lot 3 will require TDS, sodium and chloride water samples during the yield test.
- The well on Lot 3 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

**LOT 4**

- The well on Lot 4 must be drilled on the back edge of the well box (furthest away from the proposed road for the subdivision)

**LOT 5**

- The well on Lot 5 will require TDS, sodium and chloride water samples during the yield test.

**LOT 6**

- The well on Lot 6 will require TDS, sodium and chloride water samples during the yield test.
- The well on Lot 6 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

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 162185 Account #: 1933  
Reference: Cairn Homes Fulton Hills Lot 5 Client: Fogle's Well Pump & Treatment  
Location: 8236 White Pine Court Requested By: Dave Fogle  
Fulton, MD 20759 Source: Well Water  
Date/ Time Collected: 10/19/2023 1215 Site: Garage Sink  
Date/Time Rec'd: 10/19/2023 1526 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.7  
Collected By: J. Evans 0309JE Well #: HO-18-0166

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	1.0	MPN/ 100 ml	<1.0	SM20 9223B	10/20/2023 / 1020 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	10/20/2023 / 1020 / CRS
Nitrate.	<0.40	mg/L (as N)	10	EPA 300.0	10/19/2023 / 2200 / CRS
Turbidity	0.90	NTU	<10	SM2130B	10/20/2023 / 0950 / KDR
Sand	ND	mg/L	5	Visual/Gravimetric	10/20/2023 / 1035 / CRS

### NOTES:

- 1 Revised Report at request of client to correct reference 11/6/23 CRS.
- 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 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 Sample collected by client, analyzed as received
- 7 ND:None Detected
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 9 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy

Building Permit # : B22003426

Date Reported: 11/6/2023

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 162453 Account #: 1933  
Reference: Cairn Homes Fulton Hills Lot 5 Client: Fogle's Well Pump & Treatment  
Location: 8236 White Pine Court Requested By: Dave Fogle  
Fulton, MD 20759 Source: Well Water  
Date/ Time Collected: 11/6/2023 0900 Site: Kitchen Faucet  
Date/Time Rec'd: 11/6/2023 1215 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.5  
Collected By: T. Cassell 0767TC Well #: HO-18-0166

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/7/2023 / 0810 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/7/2023 / 0810 / CRS

### NOTES:

- 1 Revised Report: Reason for test corrected to Use & Occupancy; this is not the second consecutive passing bacteria. 11/7/ CCH/FVAL
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 Sample collected by client, analyzed as received
- 5 ND:None Detected
- 6 Visual well check: Sealed, vented cap
- 7 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy  
Building Permit # : B22003426

Date Reported: 11/7/2023



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](http://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 5  
Old Columbia Rd  
**Well Permit: HO-18-0166**

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 7.04 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 <10 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 122 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](mailto:sathomas@howardcountymd.gov)

✓ Cc: File

Send Report To: Bert Noon

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

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



**E20002679002**

Received: 02/10/2020

Metals

HOST0166NA

## LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: HOST0166NA Site Name: Evergreen Farm, Lot 5 County: Howard

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

Date Collected: 02/07/2020 Time Collected: 11:45 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: 6.5

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 yield of HO-K-0166

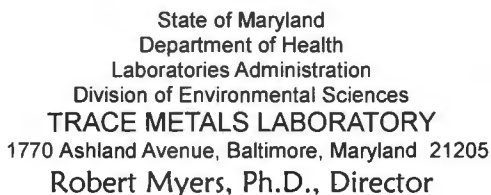
✓	Element	Lab Use	✓	Element	Lab Use	✓	Element	Lab Use
	Antimony (Sb)			Aluminum (Al)			Uranium (U)	
	Arsenic (As)			Calcium (Ca)			Vanadium (V)	
	Barium (Ba)			Cobalt (Co)			Zinc (Zn)	
	Beryllium (Be)			Copper (Cu)				
	Cadmium (Cd)			Iron (Fe)				
	Chromium (Cr)			Lead (Pb)				
	Mercury (Hg)			Magnesium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

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

Date Reported: 2/10/2020

•Phone: (443) 681 - 4596

•Fax: (443) 681 - 4507



**2LA**  
**ACCREDITED**  
Certificate # 3525 02

## Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH  
8930 STANFORD BLVD  
COLUMBIA, MD 21045

Lab Project No: E20002679 Date Coll.:02/07/2020 Date Received:02/10/2020 Submitted By: Thomas

Field ID: HOST0166NA  
Lab No.: E20002679002

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	7.04	ppm	02/12/2020

**Comments:**

Approved by:

Wormische-Lesen

Approval date: 02/24/2020

**\*\*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.

Send Report To: Bert Nixon

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

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



**E20002680002**

Received: 02/10/2020

Inorganic

HOST0166CLT

S A M P L E  I D	Bottle Number	AOST0166CLTDS		Name	Evergreen Farm, Lot 5		County	Howard	County Code	13				
	Address	Old Columbia Rd, Fulton								Data Category Code	4F			
	Collected: Date	02/07/2020	Time	11:45 AM	Collector & Phone	Susan Thomas, 410-313-6287		Submitter Code						
	CHECK (one per box)													
	Drinking Water <input checked="" type="checkbox"/>	Landfill <input type="checkbox"/>	Stream <input type="checkbox"/>	Other <input type="checkbox"/>	Community Non-community <input type="checkbox"/>	Private <input type="checkbox"/>	Other <input type="checkbox"/>	Source (raw water) <input checked="" type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	MCL <input type="checkbox"/>	Emergency Routine <input type="checkbox"/>	Recheck <input type="checkbox"/>	Special <input type="checkbox"/>	Federal Project <input type="checkbox"/>
F I E L D	Plant No.					Sampling Station					Preservation: Iced <input checked="" type="checkbox"/>	Acid <input type="checkbox"/>	Type of Acid	
	pH	6.5	Chlorine Free	0.0	Total	9.0	Specific Conductance							
	Notes to Lab/Remarks: collected at yield of HO-18-0166													

CHECK TESTS	TESTS	Error Code	RESULTS
	Alkalinity (Total)		
	Ammonia - N		
✓	Chloride		
	Conductance*, Spec.		
✓	Dissolved Solids (Total)		
	Hardness		
	Fluoride		
	Nitrite, N		
	Nitrate + Nitrite, N		
	Sulfate		
	Total Solids		
	Turbidity*		
	Other:		
	* SAMPLE TEMPERATURE OUTSIDE OF ACCEPTABLE RANGE. NO ICE IN COOLER. THIS SAMPLE SHOULD BE 2/10/20		

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

Number of Tests Requested

Section Chief

MDH-90-A 07/17

SUBMITTER'S COPY

\*Samples are tested as received.

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 NoE20002680 Date Coll. 02/07/2020 Date Received: 02/10/2020 Submitted By: S. Thomas

Field ID: HOST0166CLTDS  
Lab No.: E20002680002

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	<10	mg/L	02/24/2020
Total Dissolved Solids	SM 2540C	122	mg/L	02/14/2020

### Comments:

Approved by:

Approval date: 02/25/2020

\*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.



**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

---

## 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.

*Ryan Rappaport, LEHS*  
Howard County Health Department  
Bureau of Environmental Health

## 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

*Well / Swale →*

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)



#### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.

**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)



#### CONFIDENTIALITY NOTICE

This message and the accompanying documents are intended only for the use of the individual or entity to which they are addressed and may contain information that is privileged, confidential, or exempt from disclosure under applicable law. If the reader of this email is not the intended recipient, you are hereby notified that you are strictly prohibited from reading, disseminating, distributing, or copying this communication. If you have received this email in error, please notify the sender immediately and destroy the original transmission.



## Oswald, Hank

---

**From:** Oswald, Hank  
**Sent:** Wednesday, August 31, 2022 11:25 AM  
**To:** 'mtran@glwpa.com'; Kristy Pierce (kpierce@glwpa.com)  
**Subject:** OSDS Plan Review\_8236 White Pine Court  
**Attachments:** well lot 5.pdf

Hi All:

The OSDS Plan for 8236 White Pine Court was reviewed with the following comment:

- The well tag # does not match our record for lot 5. Please see attached.

I wasn't sure who to contact.

Thanks,

Hank

Hank Oswald, L.E.H.S.  
Howard County Health Department  
Well & Septic Program  
410.313.1786  
hoswald@howardcountymd.gov