

B 1 65789

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

Ho-18-0167 fill in this form completely

OWNER INFORMATION: Date Received (APA) 11/06/19, Ock Development, 2102 E Madison Street, Baltimore MD 21205

LOCATION OF WELL: Howard County, Evergreen Farm, Section 44, Lot 6, Nearest Town: Fulton

DRILLER INFORMATION: Michael Barlow MD 355, Barlow Well Drilling, 522 Underwood Lane, 21014, Signature: [Signature], Date: 11/4/19

SOURCES OF DRILLING WATER: 1. Well, 2/12/2020, 3. G... Well, Old Columbia Road, 1000 FT, Distance from Road, Tax Map: 46, Blk: 3, Parcel: 337

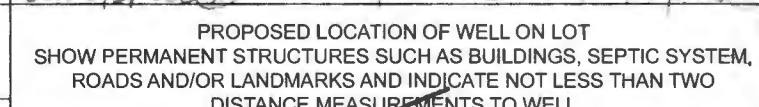
WELL INFORMATION: APPROX. PUMPING RATE 5 GAL. PER MIN., AVERAGE DAILY QUANTITY NEEDED 750 GAL. PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: Howard 558086 E, County No. 13, State Signature, Date Issued 1/17/20, Co Signature, Exp. Date 1/17/21

USE FOR WATER (CIRCLE APPROPRIATE BOX): [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

PROPOSED LOCATION OF WELL ON LOT: SHOW PERMANENT STRUCTURES SUCH AS BUILDINGS, SEPTIC SYSTEM, ROADS AND/OR LANDMARKS AND INDICATE NOT LESS THAN TWO DISTANCE MEASUREMENTS TO WELL

APPROXIMATE DEPTH OF WELL 300 FEET, APPROXIMATE DIAMETER OF WELL 4 INCH



METHOD OF DRILLING (circle one): BORED (or Augered), JETTED, Jettied & DRIVEN, AIR-ROTARY, AIR-PERCussion, ROTARY (Hydraulic Rotary), CABLE, REVerse ROTary, DRive-POINT, other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL

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.

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER G, PERMIT No. Ho-18-0167

SPECIAL CONDITIONS: SEE ATTACHED MEMO TO [Name], [Name]

C1 64121
 SEQUENCE NO. (MDE USE ONLY)
 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

STATE OF MARYLAND
WELL COMPLETION REPORT
 FILL IN THIS FORM COMPLETELY
 PLEASE TYPE

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

ST/CO USE ONLY
 DATE RECEIVED
 MM DD YY

DATE WELL COMPLETED
 02 27 2020
 Depth of Well
 22 600 26
 (TO NEAREST FOOT)

PERMIT NO.
 FROM "PERMIT TO DRILL WELL"
 HO-18-0167
 28 29 30 31 32 33 34 35 36 37

OWNER OCR Development
 WELL SITE ADDRESS OLD Columbia RD TOWN FULTON
 SUBDIVISION EVERGREEN FARM SECTION _____ LOT 6

WELL LOG
 Not required for driven wells

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

DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Soil	0	7	
Brown shale	7	48	
Light Brown shale	48	71	
Med Gravel	71	600	✓
Rock		120	✓
		575	✓

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) Y N
 TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT CM 7 BENTONITE CLAY BC
 NO. OF BAGS 7 NO. OF POUNDS 350
 GALLONS OF WATER 175
 DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 75 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below
 ST STEEL CO CONCRETE
 PL PLASTIC OT OTHER
 MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 75
 50 61 63 64 66 70

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

SCREEN RECORD
 screen type or open hole
 ST STEEL BR BRASS HO OPEN HOLE
 PL PLASTIC OT OTHER
 insert appropriate code below

C 2 DEPTH (nearest ft.)
 1 HO 75 600
 2
 3
 4
 5
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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
 70 72 74 75 76
 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3
 PUMPING TEST
 HOURS PUMPED (nearest hour) 3
 PUMPING RATE (gal. per min.) 4.0
 METHOD USED TO MEASURE PUMPING RATE water bucket
 WATER LEVEL (distance from land surface)
 BEFORE PUMPING 49 ft.
 WHEN PUMPING 255 ft.
 TYPE OF PUMP USED (for test)
 A air P piston T turbine
 C centrifugal R rotary O other (describe below)
 J jet S submersible

PUMP INSTALLED
 DRILLER INSTALLED PUMP (CIRCLE) (YES or NO) YES NO
 IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.
 TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29
 CAPACITY: GALLONS PER MINUTE (to nearest gallon) _____
 PUMP HORSE POWER _____
 PUMP COLUMN LENGTH (nearest ft.) _____
 CASING HEIGHT (circle appropriate box and enter casing height)
 + above } LAND SURFACE
 - below } (nearest foot)
 49 50 51

LATITUDE 39.14397
 LONGITUDE 76.91010
 (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. 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.

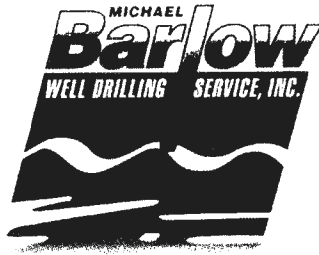
NUMBER OF UNSUCCESSFUL WELLS: 0
 WELL HYDROFRACTURED Y N

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

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

DRILLERS LIC. NO. M D 355
 DRILLERS SIGNATURE
 (MUST MATCH SIGNATURE ON APPLICATION)
 LIC. NO. WEO 113

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



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

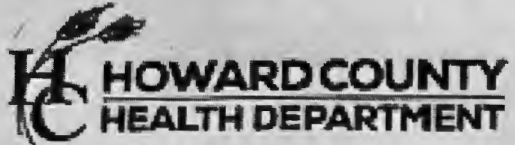
WELL YIELD REPORT

Date Test Completed:	February 27, 2020		
Well Depth:	600	feet	
Customer	OCR Development	Permit #	HO-18-0167
Road	Old Columbia Road	Subdivision	Evergreen Farm
City	Fulton	Section	
State	Maryland	Lot #	6

Time	Water Level feet Pump set @ 300 feet	Time to Fill 1-gallon bucket seconds	G.P.M.
11:30 AM	49'	4	15.00
11:45 AM	119'	4	15.00
12:00 PM	190'	5	12.00
12:15 PM	255'	15	4.00
12:30 PM	255'	15	4.00
12:45 PM	255'	15	4.00
1:00 PM	255'	15	4.00
1:15 PM	255'	15	4.00
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3:30 PM	255'	15	4.00
3:45 PM	255'	15	4.00
4:00 PM	255'	15	4.00
4:15 PM	255'	15	4.00
4:30 PM	255'	15	

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.

Mike Insom - 410-838-
 Seal the well? HO - 81-2161 - Well abandonment report



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

Maura J. Roeman, 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 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: Williamsburg Homes Telephone #: _____
 Subdivision: Fulton Hills Lot #: 6 Well Tag #: HO - 18 - 0167
 Site Address: 3229 White Pine Ct
Fulton, MD 20759

Submersible Pump Data
 Make: Grundfos
 Model #: 1550ERS-290
 Pump Capacity: 15
 Well Yield: 4

Pitless Adapter
 Make: Campbell
 Model#: N/A
 GPM Depth: 36" (36" min)
 GPM NSF/WSC approved: yes
 Depth of pump installation: 600 (feet)

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

Depth of well encumbered at time of pump installation: 600 (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

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): 21"
 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: [Signature] Date: 6/3/2025

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

Date Insp. Requested: 6/4/25 Date Insp. Approved: _____ Inspector: MB
 Inspection Data:
 Pitless adapter watertight & water supply line at least 36" below grade ✓ 36"
 Two piece cap installed and attached to casing securely ✓
 Elec. conduit extends at least 18" below grade/attached to cap properly ✓ 32"
 Safety rope not outside of well cap/casing ✓
 Correct well tag attached properly and casing 8" above finished grade ✓ 24"
 Water supply line sleeved adequately at house connection ✓ 21"
 Adequate grout observed below pitless adapter ✓

6/4/25
 100' grout below
 Pitless settled 10' below
 Well Driller to top off with
 Benmore. Hatfields to backfill &
 Pack overdy prior to backfilling well
 line 5' from well. (MB)

6/5/25
 Grout added below
 Pitless and well line
 bedded at house connection (MB)





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

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – January 7, 2026

July 7, 2025

Homeowner
8229 White Pine Court
Fulton, MD 20759

RE: Fulton Hill, Lot 6
8229 White Pine Ct.
Building Permit: B24003858
Well Permit: HO-18-0167

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **7/3/2025**. Final approval of the well line connection to the dwelling was granted on **6/5/2025**. The well construction was completed on **7/29/2020**. Water samples were collected on **6/19/2025**.

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-18-0167. 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', written in a cursive style.

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



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 NoE20002958 Date Coll. 02/27/2020 Date Received: 02/28/2020 Submitted By: Thomas

Field ID: HOST0167CLTDS
Lab No.: E20002958001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	<10	mg/L	03/02/2020
Total Dissolved Solids	SM 2540C	83	mg/L	03/06/2020

Comments:

Approved by: _____

Approval date: 03/12/2020

*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.

Send Report To: Bert Nixon

State of Maryland
DHMH - Laboratories Administration

Division of Environmental Sciences
TRACE METALS LABORATORY

1770 Ashland Avenue
Baltimore, Maryland 21205

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



E20002957001

Received: 02/28/2020

Metals

HOST0167NA

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

(D)

Sample ID No: HOST0167NA Site Name: Evergreen Farm, Lot 6 County: Howard

Sample Source: Old Columbia Rd, Evergreen Farm, Lot 6 Collector: Susan Thomas
Street Town or City Name

Date Collected: 2/27/2020 Time Collected: 11:50 a.m. p.m. Phone #: 410-313-6287

Sample Preserved By: Field ESRL WMRL Central Lab

Preservative Used: HNO₃ 2 mL pH: 7.5

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 beginning of yield

✓	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>SHS</u>		Potassium (K)				
	Thallium (Tl)			Silver (Ag)				

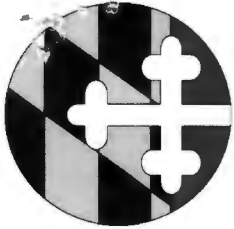
RECEIVED
MAR 16 2020
HOWARD COUNTY HEALTH DEPT.
COMMUNITY HYGIENE PROGRAM

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



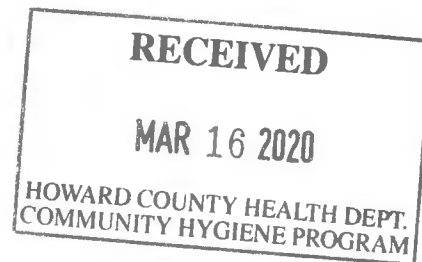
Certificate of Analysis

HOWARD CO ENVIRONMENTAL HLTH
8930 STANFORD BLVD
COLUMBIA, MD 21045

Lab Project No: E20002957 Date Coll.: 02/27/2020 Date Received: 02/28/2020 Submitted By: Thomas

Field ID: HOST0167NA
Lab No.: E20002957001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	10.93	ppm	03/10/2020



Comments:

Approved by: Wanda Treese

Approval date: 03/13/2020

**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.

1/5/25 8229 White Ave - Well line installed (MFB)



Contractor filled in over dig and sealed outside line



57 Stone added to well line



Bentonite pellets added to final 10' of annular void

6/4/25 - 8229 White Pine Ct.



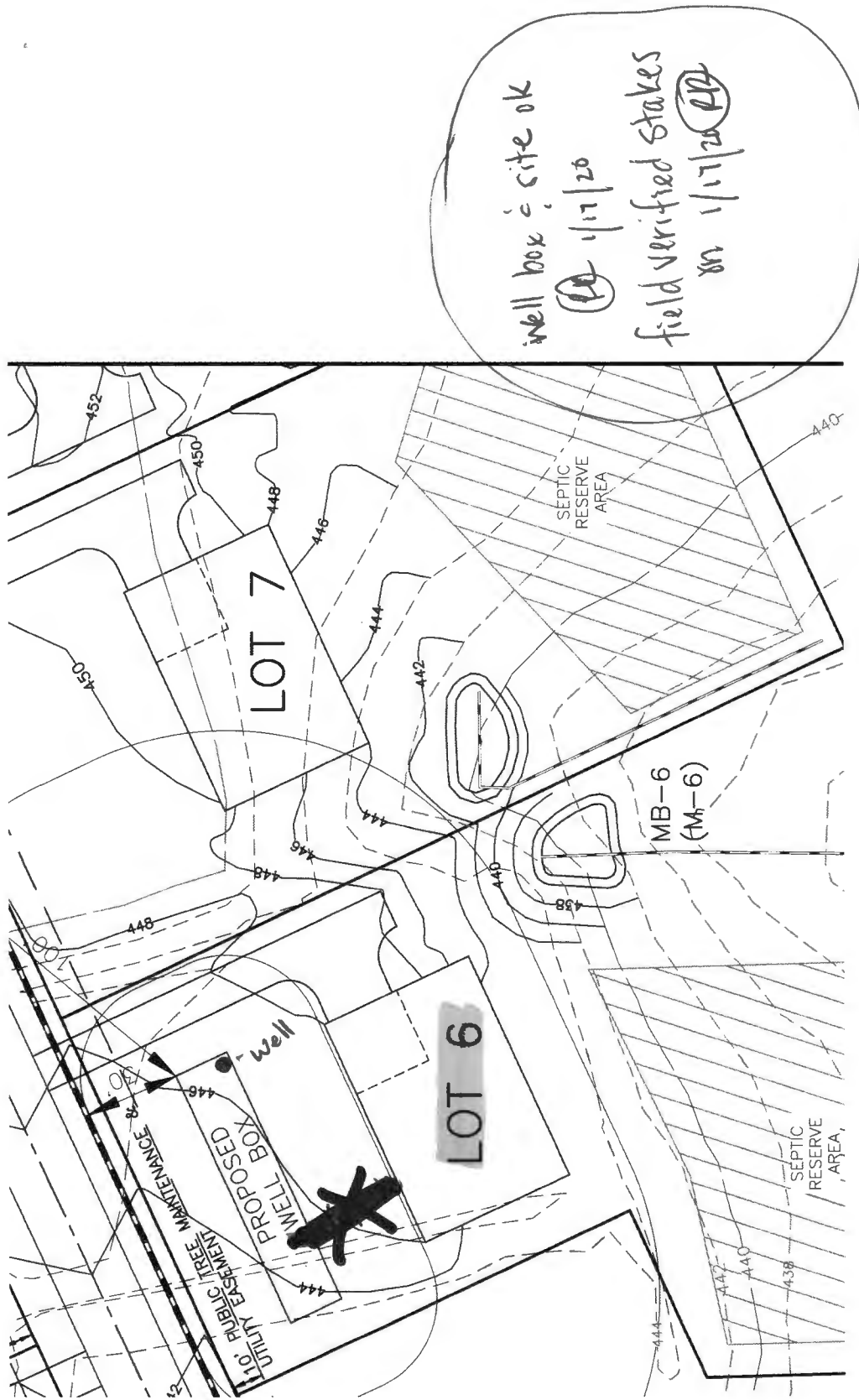
Builder has base sealed inside the house. Builder will also seal outside. (18)



Grout has settled 10' below process adaptor. Well drilled to seal grout void. (18)



Ready to be filled and pulled in by contractor. (19)



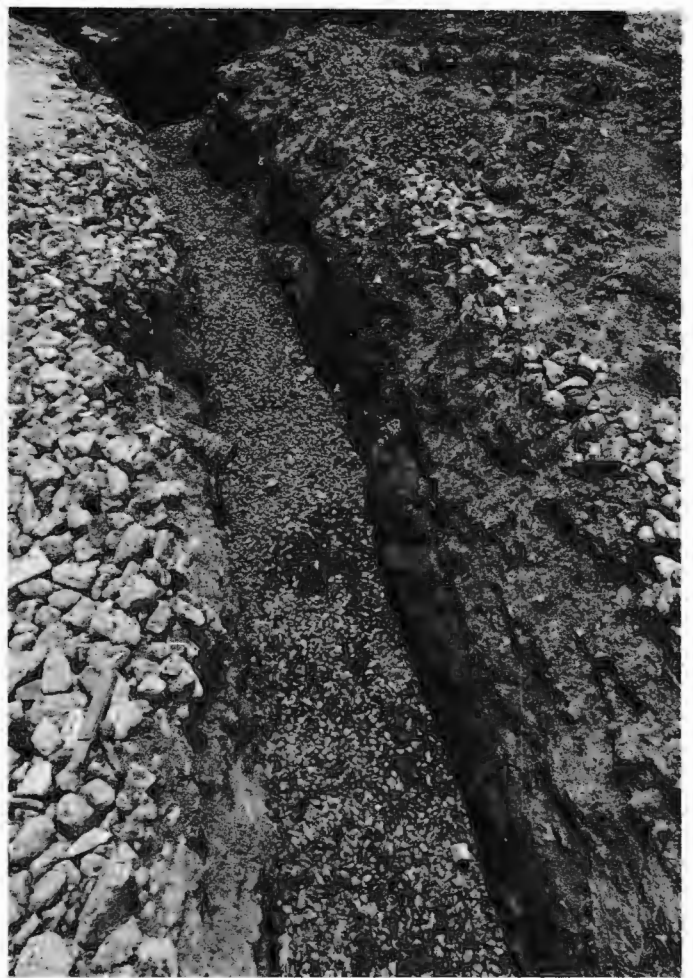
well box cite OK
 PA 1/17/20
 field verified stakes
 on 1/17/20 PA

1" = 50'

1/5/25 8229 White line - Well line installed (M13)



Contractor filled in over dig and sealed outside line



57 Stone added to well line



Bentonite pellets added to final 10' of annular void

6/4/25 - 8229 White Pine Ct.



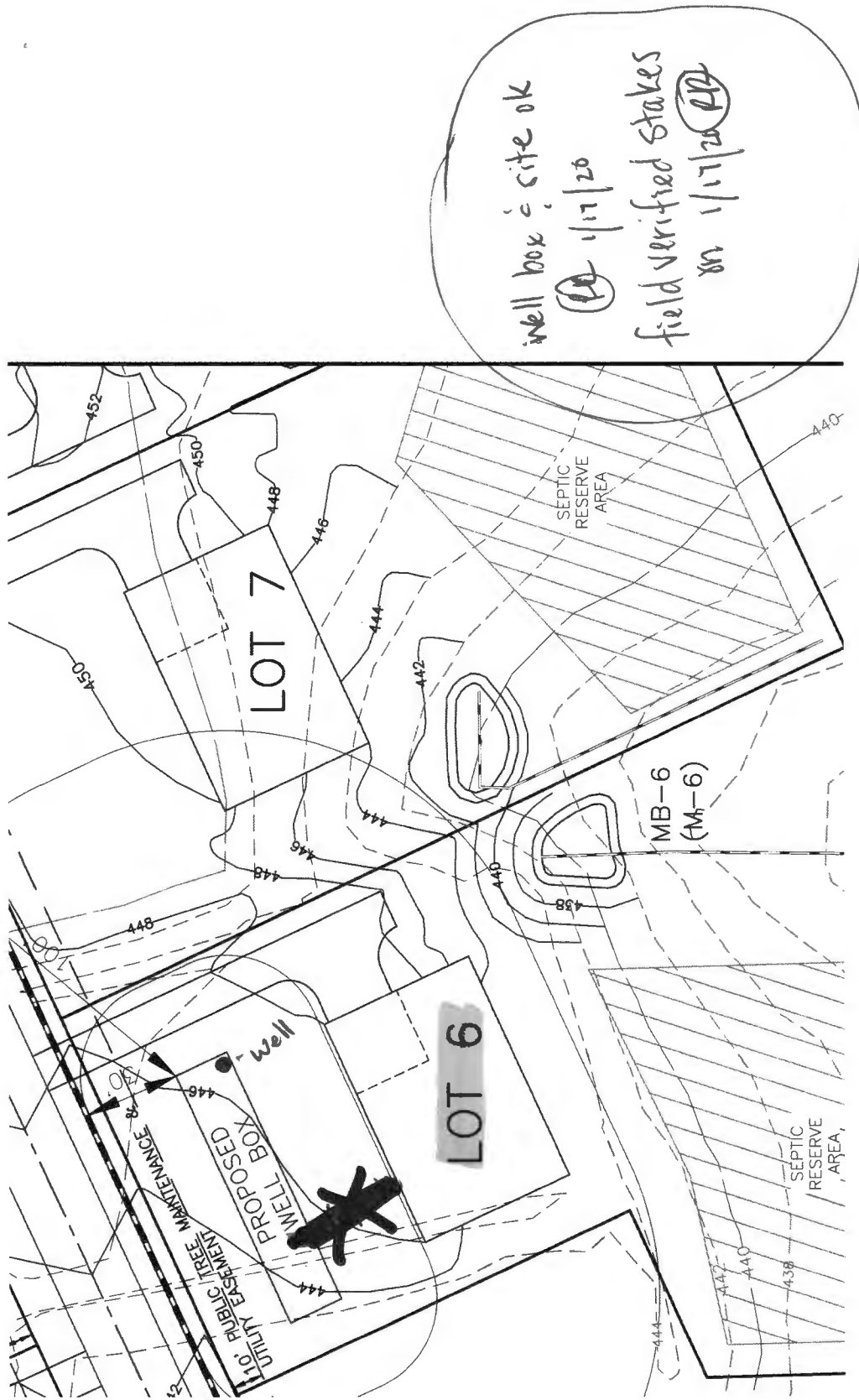
Builder has base sealed inside the house. Builder will also seal outside. (18)



Grout has settled 10' below process adaptor. Well drilled to soil grout void. (18)



Ready to be filled and pulled in by contractor. (19)



well box c site OK
 (PA) 1/17/20
 field verified stakes
 on 1/17/20 (PA)

1" = 50'

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

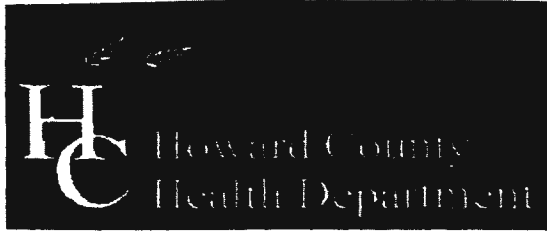
- The well on Lot 5 will require TDS, sodium and chloride water samples during the yield test.

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



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:

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.

Oswald Jr, Woodin

From: Oswald Jr, Woodin
Sent: Tuesday, March 18, 2025 2:18 PM
To: Bruce Harvey
Subject: O & M Agreement_8229 White Pine Court
Attachments: O&M agreement 4.23.18.pdf

Hi Bruce,

Good afternoon. The septic contractor came by the office to pick up the septic permit for 8229 White Pine Court (Fulton Hill, Lot 6). It looks like we still need the O & M Agreement. Please see attached form.

Please let me know if you have any questions.

Regards,

Hank

Hank Oswald
Licensed Environmental Health Specialist
Bureau of Environmental Health
Howard County Health Department
8930 Stanford Blvd. Columbia, MD 21045
(410) 313 - 1786
www.hchealth.org

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**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 13th as indicated on the yield report. The supplemental well was pumped on February 27th 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.

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

vel Swae ↗

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 <amiller@bei-civilengineering.com>

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

To: Williams, Jeffrey <jewilliams@howardcountymd.gov>

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

[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>

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

To: AMILLER@BEI-CIVILENGINEERING.COM

Cc: Oswald, Hank <hoswald@howardcountymd.gov>; Edmondson, Chad <cedmondson@howardcountymd.gov>; Thompson, Phil <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>
Sent: Thursday, December 19, 2019 8:18 AM
To: Oswald, Hank <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>
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



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Sent: Wednesday, December 18, 2019 10:59 AM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Subject: F-18-047

Hi Jeff:

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Thanks,

Hank

Hank Oswald
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Bureau of Environmental Health
Well & Septic Program
8930 Stanford Boulevard
Columbia, MD 21045
410.313.1786 (Office)
hoswald@howardcountymd.gov



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