

C1 26062

SEQUENCE NO. (MDE USE ONLY)

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.

1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

COUNTY NUMBER

ST/CO USE ONLY DATE RECEIVED MM DD YY 07 07 13

DATE WELL COMPLETED MM DD YY 7-6-15

Depth of Well 22 360 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" OK 8/12/15 sec HO-15-0087

OWNER RAINMAKER DEVELOPMENT WELL SITE ADDRESS 24 MILLERS MILL ROAD TOWN COOKSVILLE SUBDIVISION SECTION LOT 3

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Top Soil, Brown Shale, Brown mica, sand stone, Gray mica, Brown mica, Gray mica, opening, Gray mica.

GROUTING RECORD form with fields for GROUTING MATERIAL (CEMENT CM, BENTONITE CLAY BC), NO. OF BAGS 8, NO. OF POUNDS 400, GALLONS OF WATER 184, DEPTH OF GROUT SEAL 65 ft.

CASING RECORD form with fields for MAIN CASING TYPE (ST STEEL), Nominal diameter top (main) casing 80, Total depth of main casing 80.

OTHER CASING (if used) form with fields for diameter and depth.

SCREEN RECORD form with fields for screen type (ST STEEL), BRASS, BRONZE, PLASTIC, HO OPEN HOLE, OT OTHER.

NUMBER OF UNSUCCESSFUL WELLS: 0 WELL HYDROFRACTURED YES Y NO N

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 28.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT...

DRILLERS LIC. NO. 1 MWD 040 George F. Thompson DRILLERS SIGNATURE (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. 1 JS 00 78 Eric Thompson

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

DEPTH (nearest ft.) table with columns 1-6 and rows E, A, C, H, S, C, E, N. Includes SLOT SIZE 1, 2, 3 and DIAMETER OF SCREEN (NEAREST INCH) 56, 60.

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) T (E.R.O.S.) W Q GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST form with fields for HOURS PUMPED (nearest hour) 3, PUMPING RATE (gal. per min.) 20, METHOD USED TO MEASURE PUMPING RATE Bucket, WATER LEVEL (distance from land surface) BEFORE PUMPING 14 ft, WHEN PUMPING 83 ft, TYPE OF PUMP USED (for test) S submersible.

PUMP INSTALLED form with fields for DRILLER INSTALLED PUMP (CIRCLE) YES NO, TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29, CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 35, PUMP HORSE POWER 37 41, PUMP COLUMN LENGTH (nearest ft.) 43 47, CASING HEIGHT (circle appropriate box and enter casing height) (+) above LAND SURFACE, (-) below 2 (nearest foot).

LATITUDE 39.311956 LONGITUDE 77.027902 (DEFAULT COORD. WGS 84) NOTES:

Handwritten notes: Belie 350

B 1 28686

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO - 15 - 0087

please type

fill in this form completely

Date Received (APA)

13112

B 3

LOCATION OF WELL

OWNER INFORMATION

8 MM DD YY 13

RAINMAKER

DEVELOPMENT

15 Last Name Owner First Name 34

6755 BUSINESS PARKWAY SUITE 103

36 Street or RFD 55

ELKRIDGE MD 21075

57 Town 70 State 72 Zip 76

Howard

8 COUNTY 21

23 SUBDIVISION 42

SECTION 44 46 LOT 3 48 50

Cooksville

52 NEAREST TOWN 71

DRILLER INFORMATION

George F. Easterday M VD 040

Driller's Name 76 License No. 81

L. Franklin Easterday, Inc.

Firm Name

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

Address

Signature: George F. Easterday Date: 6/5/2015

B 4

SOURCES OF DRILLING WATER

- 1. wells

Millers Mill Road

11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)



34 100 37 DISTANCE FROM ROAD Ft.

ENTER FT OR MI 38 39

TAX MAP: BLK: PARCEL

WELL INFORMATION

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

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 500 14 20

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
I INDUSTRIAL, COMMERCIAL, DEWATERING
P PUBLIC WATER SUPPLY WELL
T TEST, OBSERVATION, MONITORING
O OPEN LOOP GEOTHERMAL
C CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

County Name: Howard, State Signature, Date Issued: 6/15/15, CO Signature, Exp. Date: 6/15/15

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- Bored (or Augered), JETTED, Jetted & DRIVEN, AIR-ROTary, AIR-PERCussion, ROTARY (Hydraulic Rotary), CABLE, REVerse-ROTary, Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

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

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

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

APPROX. PERMIT NUMBER G

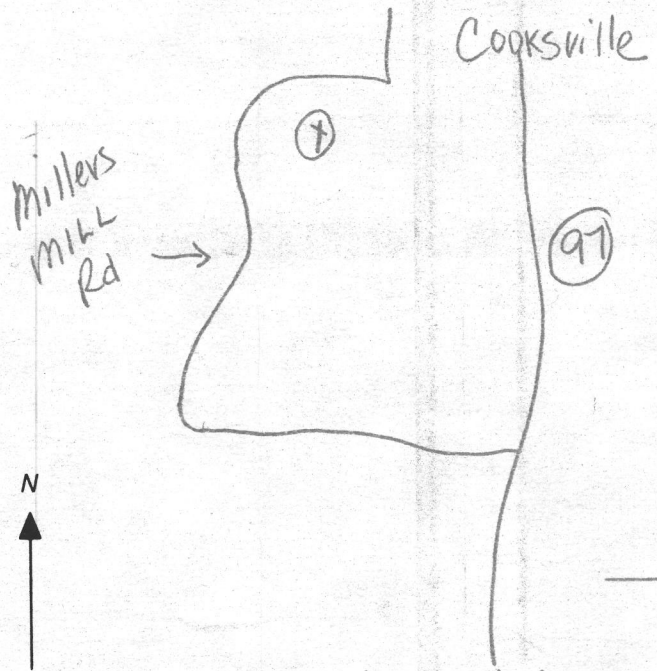
PERMIT No. HO - 15 - 0087

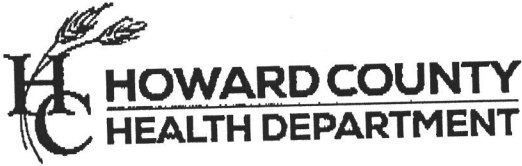
SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

See memo: Per MDE variance, casing must be steel and extend to minimum 50' depth or 10' in competent bedrock, whichever is deeper

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





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 work 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: Tri-County Pump Service, Inc Telephone #: 301-432-0330
 Address: 6711 Old National Pike
Brooksville, Md 21113

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

License # and name of individual responsible for the field installation:
 Name (Print): William Griffith License# 20135

*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: Ram Moller Contractors Telephone #: _____
 Subdivision: _____ Lot #: _____ Well Tag #: HO-15-0087 08/15/2019
 Site Address: 2141 Miller Mill Rd
Croftsville, Md 21113

Submersible Pump Data
 Make: Grundfos
 Model #: 1550E0718
 Pump Capacity: 49 gpm
 Well Yield: 20 gpm

Pitless Adapter
 Make: Amerson Grundfos
 Model#: PT800NL
 GPM Depth: 36 (36" min)
 GPM NSF/WSC approved: _____
 Depth of well encountered at time of pump installation: 300 (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 encountered at time of pump installation; 300 (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

Piping to house
 Type: PVC
 PSI: 200 (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): yes
 Sleeve sealed properly: yes

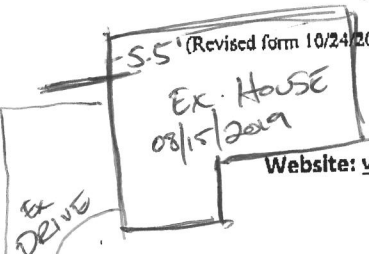
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: William Griffith Date: 8-14-2019

For Health Department Use Only - (Not to be completed by Installer)
 Date Insp. Requested: 08/15/2019 Date Insp. Approved: 08/15/2019 Inspector: etc

- 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

36" 8/15/2019
32" 8/15/2019
19" 8/15/2019
09/04/2019 SEE ATT EMAIL



Website: www.hchealth.org Facebook: www.facebook.com/hocohealth Twitter: @HOCOHealth

8/15/2019
 NO GROUT OBS. BELOW PITLESS
 -3' BELOW. EXPOSE CASE FOR
 GROUT. CALL FOR INSPECTION

SLEEVED FROM WELL TO HOUSE

Cabahug, Joseph

From: Sara Easterday <saraeasterday@verizon.net>
Sent: Wednesday, September 4, 2019 1:31 PM
To: Cabahug, Joseph; Wolf, Kevin; sarterburn@therainmakergroup.com
Subject: Rainmaker Development Millers Mill Road HO-15-0087

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

Hello Mr. Cabahug,

Mr. Easterday went out today added more grout to the well located on Miller's Mill Road, State Tag # HO-15-0087.

He jetted down to 20 feet and added 50# of Bentonite which brought the grout up to the pitless adapter.

Thanks for making us aware of the problem.

Sara

*Sara V Easterday
Administrative Assistant
L. F. Easterday Well Drilling
9265 Brown Church Road
Mt. Airy, Md. 21771
301-829-1640
301-829-2667-fax*

Saraeasterday@verizon.net

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JUNE 16, 2020

December 16, 2019

Homeowner
2141 Millers Mill Road
Cooksville, MD 21723

RE: Princeton Mill, Lot 3
2141 Millers Mill Road
Building Permit: B19000826
Well Permit: HO-15-0087

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 **11/14/2019**. Final approval of the well line connection to the dwelling was granted on **9/4/2019**. The well construction was completed on **7/6/2015**. Water samples were collected on **11/26/2019**.

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-15-0087. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

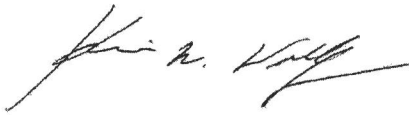
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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 Environment 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

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #: 134315 Account #: 1930
Reference: Rainmaker Contracting Company: Fogle's Well Drilling
Location: 2141 Millers Mill Road Requested By: Theresa Miller
Cooksville, MD 21723 Source: Well Water
Date/ Time Collected: 11/26/2019 1335 Site: Kitchen Sink Tap
Date/Time Rec'd: 11/26/2019 1439 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 7.2
Collected By: J. Fogle 1974JF Well #: HO-15-0087

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/27/2019 / 1450 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/27/2019 / 1450 / CRS
Nitrate	<1.0	mg/L	10	601	11/26/2019 / 1520 / RER
Turbidity	1.38	NTU	<10	SM20 2130B	11/26/2019 / 1625 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	11/26/2019 / 1625 / RER

NOTES

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

Reason for Test : Use & Occupancy
Building Permit # : 19000826

Date Reported: 12/2/2019

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554 FAX (410) 848-0298

REPORT OF ANALYSIS

Laboratory ID #:	134315	Account #:	1930
Reference:	Rainmaker Contracting	Company:	Fogle's Well Drilling
Location:	2141 Millers Mill Road Cookeville, MD 21723	Requested By:	Theresa Miller
Date/ Time Collected:	11/26/2019 1335	Source:	Well Water
Date/Time Rec'd:	11/26/2019 1439	Site:	Kitchen Sink Tap
Chlorine ppm:	Free: ND Total: ND	Treatment:	None
Collected By:	J. Fogle 1974JF	pH:	7.2
		Well #:	HO-15-0087

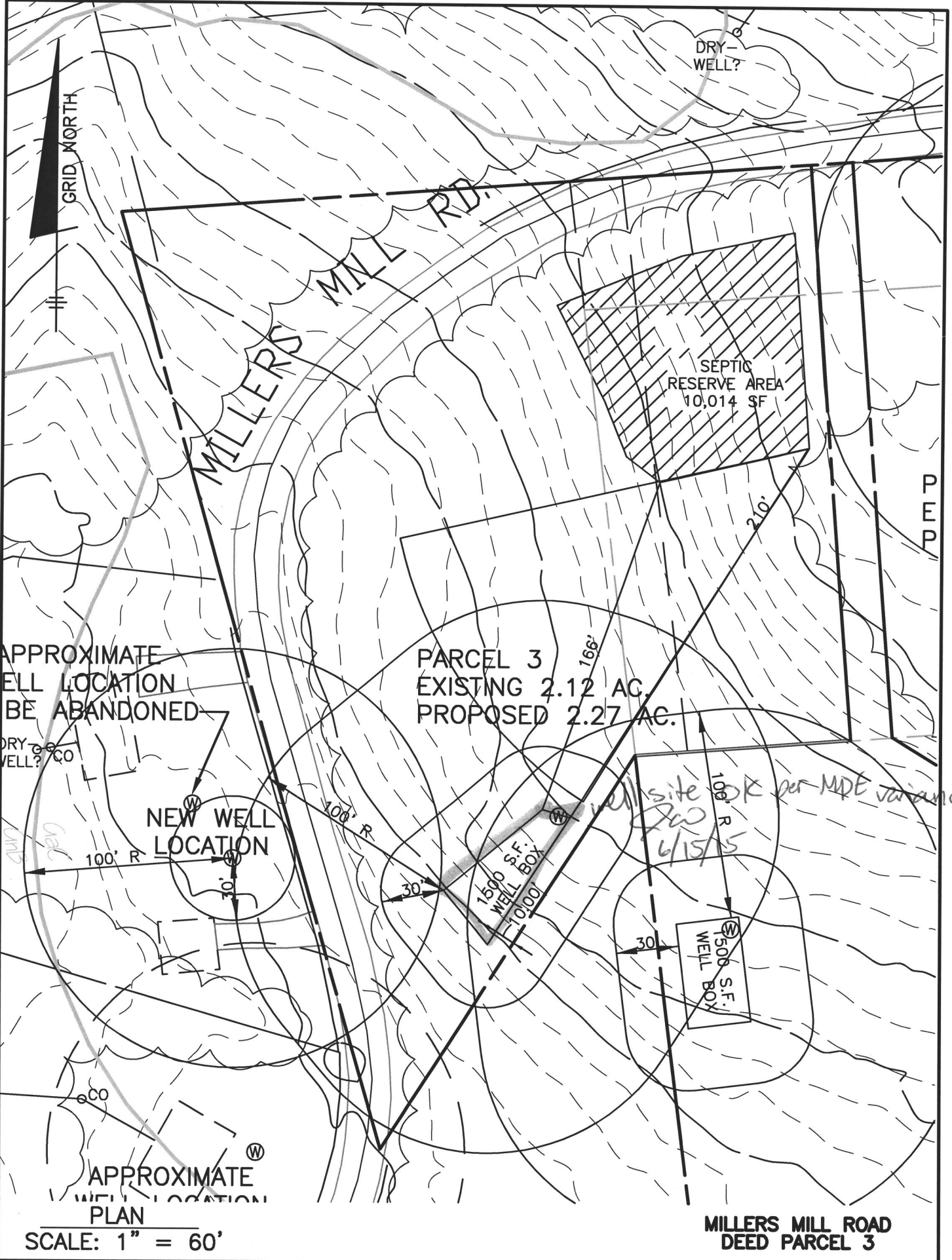
PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/27/2019 / 1450 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	11/27/2019 / 1450 / CRS
Nitrate	<1.0	mg/L	10	601	11/26/2019 / 1520 / RER
Turbidity	1.38	NTU	<10	SM20 2130B	11/26/2019 / 1625 / RER
Sand	NS	mg/L	5	Visual/Gravimetric	11/26/2019 / 1625 / RER

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Reason for Test : Use & Occupancy
Building Permit # : 19000826

Date Reported: 12/2/2019



APPROXIMATE
WELL LOCATION
TO BE ABANDONED

PARCEL 3
EXISTING 2.12 AC.
PROPOSED 2.27 AC.

SEPTIC
RESERVE AREA
10,014 SF

NEW WELL
LOCATION

1500 S.F.
WELL BOX

500 S.F.
WELL BOX

*well site OK per MPE variance
6/15/5*

APPROXIMATE
WELL LOCATION
PLAN

SCALE: 1" = 60'

MILLERS MILL ROAD
DEED PARCEL 3

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

December 29, 2015

To Whom It May Concern:

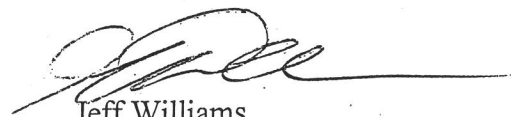
Rainmaker Development Inc. paid for three Well Permits, in the Amount of \$480.00 (check #1815); Rainmaker Development Inc. only drilled two wells and one was not needed. Rainmaker Development is requesting \$160.00 refund – (receipt #87716). If you have any other questions please call Jeff Williams at 410-313-4261.

Mail Check To
Rainmaker Development, Inc.
6755 Business Parkway, Suite 103
Elkridge, MD 21075

#56476 06/05/2015 written by: Juanita King
#87716 06/09/2015 written by: Willie Sims

Thanks in advance,

Juanita King ext: 4251


Jeff Williams
Well & Septic Supervisor

