

C1 56453

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

DATE RECEIVED MM DD YY

08 24 18

400 (TO NEAREST FOOT)

OK 8/31/18

HO 17-0322

OWNER Stanley M. Miller Fam. H. Trust
WELL SITE ADDRESS 16249 Frederick Road TOWN WoodBane
SUBDIVISION Stanley Miller Property SECTION LOT 4

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 FROM TO

check if water bearing

Soil Brown Shale Med Gray Rock
0 6
6 67
67 400
121
280
365

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box)

yes no Y N

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BC

NO. OF BAGS 35 NO. OF POUNDS 2025

GALLONS OF WATER 175

DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 70 ft.

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) 70

OTHER CASING (if used)

Table with columns: diameter inch, depth (feet) from, to

SCREEN RECORD

screen type or open hole insert appropriate code below

ST STEEL BR BRASS HO OPEN HOLE PL PLASTIC OT OTHER

DEPTH (nearest ft.) HO 70 400

Table with columns: diameter of screen, slot size

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.) 12.0

METHOD USED TO MEASURE PUMPING RATE Wash/Buck

WATER LEVEL (distance from land surface)

BEFORE PUMPING 52 ft.

WHEN PUMPING 87 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 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) 31 35

PUMP HORSE POWER 37 41

PUMP COLUMN LENGTH (nearest ft.) 43 47

CASING HEIGHT (circle appropriate box and enter casing height) LAND SURFACE (nearest foot)

LATITUDE 3 9 33815 LONGITUDE 7 7 08786 (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 yes no 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. D 113

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

B 1
51755

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL
please type
563965

STATE PERMIT NUMBER
HO-17-0322
fill in this form completely

1 2 3 6
Date Received (APA) 07/26/18
8 MM DD YY 13
OWNER INFORMATION
15 Stanley Miller Family Trust
Last Name Owner First Name 34
36 16217 Frederick Rd
Street or RFD 55
57 Woodbine MD 21797
Town 70 State 72 Zip 76

B 3 LOCATION OF WELL
8 COUNTY HOWARD 21
23 SUBDIVISION STANLEY MILLER PROPERTY 42
SECTION 44 46 LOT 4 48 50
52 NEAREST TOWN WOODBINE 71

DRILLER INFORMATION
60 Michael Barlow M W D 355
Driller's Name 76 License No. 81
63 Barlow Well Drilling
Firm Name
66 522 Underwood Lane 21014
Address
69 [Signature] 7/25/18
Signature Date

B 4 SOURCES OF DRILLING WATER
1. Well
2. B/23 (am)
3. - pump @ 200'
- 51' static
- started pumping @ 11:45 am

16249 Frederick Road
11 STREET ADDRESS 30
ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
34 600 37
DISTANCE FROM ROAD ENTER FT OR MI 38 39
TAX MAP: 7 BLK: 10 PARCEL 467

B 2 WELL INFORMATION
1 APPROX. PUMPING RATE (GAL. PER MIN.) 5
8 750 12
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 20

NOT TO BE FILLED IN BY DRILLER. HEALTH DEPARTMENT APPROVAL
Howard 13 COUNTY NO.
COUNTY NAME
STATE SIGNATURE INSERT S 41
DATE ISSUED 8/7/18
43 MM DD YY 48 CO SIGNATURE S.J. C.H. 8/7/19 EXP. DATE
DON: 8/21/18 (SC) DOG: 8/23/18 (SC) DOY: 8/23/18 (SC)

USE FOR WATER (CIRCLE APPROPRIATE BOX)
22 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

APPROXIMATE DEPTH OF WELL 300 FEET
24 28
APPROXIMATE DIAMETER OF WELL 6 INCH
NEAREST INCH

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
Prop Lines
8/21
- Barlow finished drilling, well 400'
- 70' PVC casing used, OK that it's not steel per JW
- ~5 gpm. water @ 120' 345'
- ~60' tremie
- 30+ bags cement
- pumping @ 12 gpm
* collected Na, Cl, TDS samples @ 1 pm
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METHOD OF DRILLING (circle one)
30 BORED (or Augered) JETTED Jetted & DRIVEN
37 AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)
CABLE REVERSE-ROTary DRIVE-POINT
other

REPLACEMENT OR DEEPEINED WELLS (CIRCLE APPROPRIATE BOX)
39 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 DEEPEIN AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEINED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)
APPROX. PERMIT NUMBER G
PERMIT No. HO-17-0322
70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS
NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- 50' steel casing or 10' into bedrock required, whichever is deeper. Na, Cl, TDS samples req'd.



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane
(410) 838-6910

Bel Air, Maryland 21014
Fax (410) 838-3582

WELL YIELD REPORT

Date Test Completed:	August 23, 2018		
Well Depth:	400	feet	
Customer	Heritage Realty	Permit #	HO-17-0322
Road	16249 Frederick Rd	Subdivision	Stanley Miller Property
City	Woodbine	Section	
State	Maryland	Lot #	4

Time	Water Level feet	Time to Fill 1-gallon bucket seconds	G.P.M.
11:45 AM	52	5	12.00
12:00 PM	61	5	12.00
12:15 PM	70	5	12.00
12:30 PM	77	5	12.00
12:45 PM	81	5	12.00
1:00 PM	82	5	12.00
1:15 PM	83	5	12.00
1:30 PM	85	5	12.00
1:45 PM	86	5	12.00
2:00 PM	86	5	12.00
2:15 PM	86	5	12.00
2:30 PM	87	5	12.00
2:45 PM	87	5	12.00
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.			

Pump set at 200', verified on site 8/23/18 (sc)

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

September 12, 2018

Stanley Miller Family Trust
16217 Frederick Road
Woodbine, MD 21797

Re: Water sample results from well #HO-17-0322 at 16249 Frederick Road

Dear Homeowner,

The Health Department received results from the testing for sodium, chloride, and total dissolved solids (TDS) from your well water.

Elevated sodium levels in drinking water may affect individuals on low-salt diets. The action level for sodium is 20 milligrams per liter (mg/L); **sodium from your well measured 32.45 mg/L.**

Chloride and TDS are both considered secondary contaminants, meaning high concentrations may 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 69 mg/L.** The secondary maximum contaminant level for TDS is 500 mg/L; **TDS from your well measured 230 mg/L.**

Given the elevated levels of sodium, you may want to consult a plumber and/or water treatment company to discuss options. Please be aware that any backwash generated from a treatment system must be disposed of in a subsurface disposal system. Prior to installing a system that generates backwash, please contact the Health Department to ensure that all regulatory requirements are met.

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

Sincerely,



Sarah Collins, L.E.H.S.
Howard County Health Department
Well & Septic Program
SCollins@howardcountymd.gov
410-313-6287

Cc: *Community Hygiene Program*
File

Send Report To: Bert Nixon

Howard County Health Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

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



E19000684001
Received: 08/24/2018
Metals HO-17-0322

LABORATORY ANALYSIS REQUEST

Do not write above this line

Please Print

Sample ID No: HO-17-0322 Site Name: Stanley Walker Prop. - Lot 4 County: Howard

Sample Source: 16249 Frederick Rd. Mt. Airy Collector: S. Collins
Street Town or City Name

Date Collected: 8 / 23 / 2018 Time Collected: 1 a.m. / (p.m.) Phone #: 410-313-6287

Sample Preserved By: Field ESRL WMRL Central Lab

Preservative Used: HNO₃ _____ mL pH: < 2

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
Data Category: Community Stream Distribution (Treated) Solid
Code Non-Community Sediment Other _____
4F Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

Type of Sample Preparation: Total Metals Total Metals TCLP Dissolved Metals
(field preparation required)

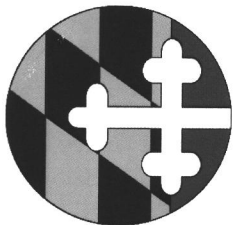
Remarks: Sample collected during yield test.

✓	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)				

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: E19000684 Date Coll.: 08/23/2018 Date Received: 08/24/2018 Submitted By: Collins

Field ID: HO-17-0322
Lab No.: E19000684001

<u>Method</u>	<u>Element</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
EPA 200.7	Sodium	32.45	ppm	08/27/2018

Comments:

Approved by: Yingtao Choi

Approval date: 08/28/2018

**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 Dept
Bureau of Environmental Health
8930 Stanford Blvd
Columbia, MD 21045

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



E19000683001

Received: 08/24/2018

Inorganic

HO-17-0322

Do not write above this line.

S A M P L E I D	Bottle Number	HO-17-0322		Name	Stanley Walker Prop. - Lot 4		County	Howard	County Code	113	
	Location	16249 Frederick Rd.			Mt. Airy		Data Category Code		41F		
	Collected: Date	8/23/18		Time	1 pm		Collector & Phone	S. Collins 410-313-6287		Submitter Code	
	CHECK (one per box)										
	Drinking Water	<input checked="" type="checkbox"/>	Community	<input type="checkbox"/>	Source (raw water)	<input checked="" type="checkbox"/>	Emergency	<input type="checkbox"/>	Federal Project		
	Landfill	<input type="checkbox"/>	Non-community	<input type="checkbox"/>	Distribution (treated)	<input type="checkbox"/>	Routine	<input type="checkbox"/>			
	Stream	<input type="checkbox"/>	Private	<input checked="" type="checkbox"/>	MCL	<input type="checkbox"/>	Recheck	<input type="checkbox"/>			
	Other	<input type="checkbox"/>	Other	<input type="checkbox"/>			Special	<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		Chlorine: Free		Total		Specific Conductance			
	Notes to Lab/Remarks: Sample collected during yield test.									

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:		

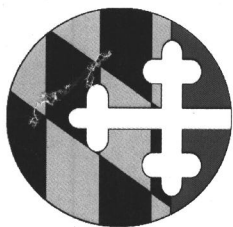
* Results reported in Units, all others in milligrams per liter (ppm)

SAMPLE TESTED AS RECEIVED

Number of Tests Requested

Section Chief _____

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 NoE19000683 Date Coll. 08/23/2018 Date Received 08/24/2018 Submitted By:Collins

Field ID: HO-17-0322
Lab No.: E19000683001

<u>Analyte</u>	<u>Method</u>	<u>Result</u>	<u>Units</u>	<u>Date Analyzed</u>
Chloride	SM 4500-Cl E	69	mg/L	08/27/2018
Total Dissolved Solids	SM 2540C	230	mg/L	08/27/2018

Comments:

Approved by:

Approval date: 09/05/2018

*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.

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8930 Stanford Blvd, Columbia MD 21045
(410) 313-6300 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.askhealth@howardcountymd.gov

Bert Nixon, Director

TO ALL INTERESTED PARTIES

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

Well Site Location:

<u>Stanley Miller Property</u>	<u>4</u>	<u>Frederick Rd.</u>
Subdivision/Property Name	Lot #	Road Name

- The well site has been staked by NTT and Associates,
(professional land surveyor or company employing professional land surveyors)
on 04/01/18 (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.

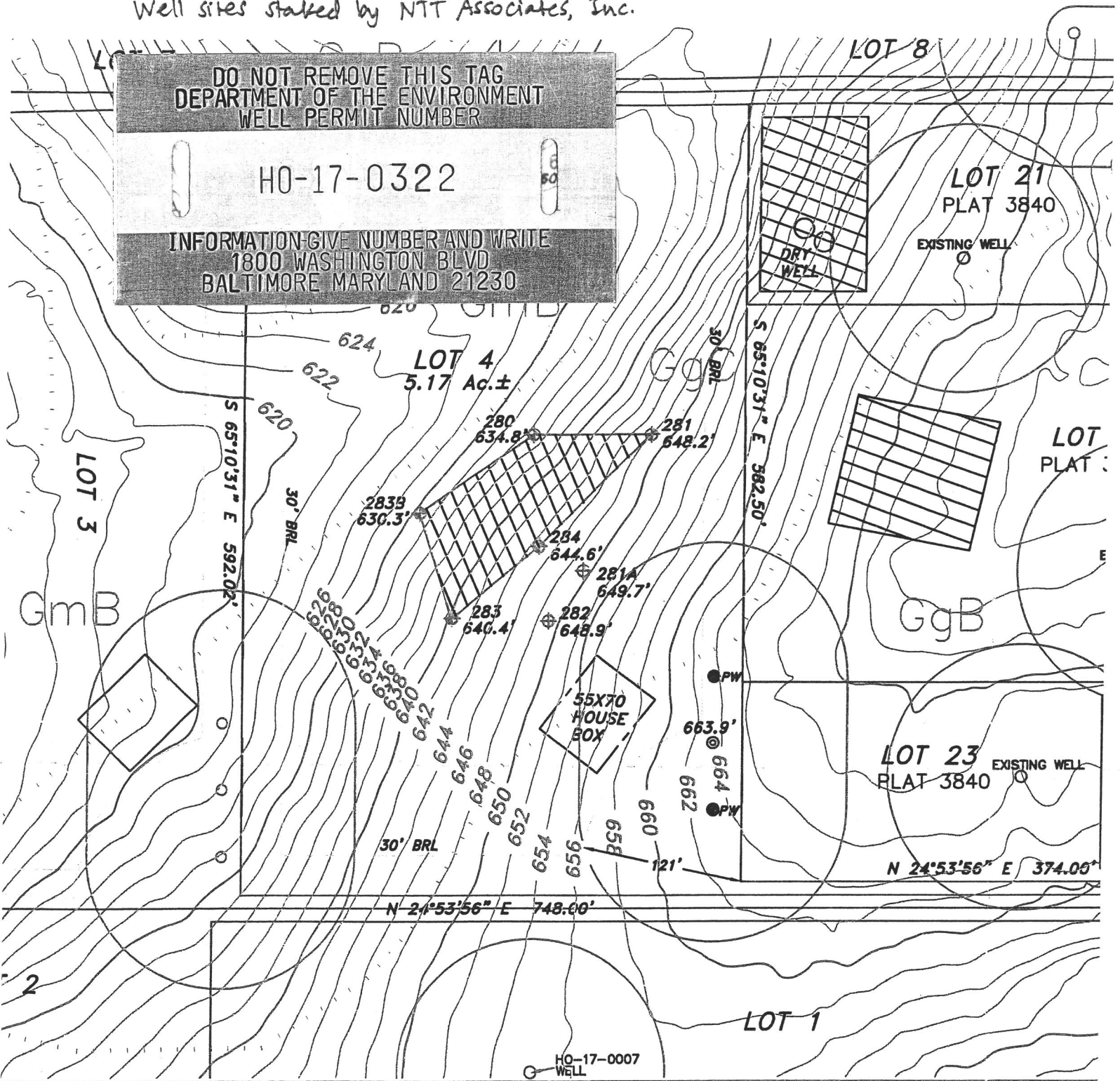
Well sites approved 8/7/18 SC

Well sites staked by NTT Associates, Inc.

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

H0-17-0322

INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230



ARD COUNTY, MARYLAND
HEALTH DEPARTMENT

VED FOR PRIVATE WATER AND
ATE SEWERAGE SYSTEMS.

OWNER

Stanley B. Miller Family Trust
16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410 489 7392

THE PURPOSE OF THIS PLAN IS
A PRIVATE SEWAGE DISPOSAL AN

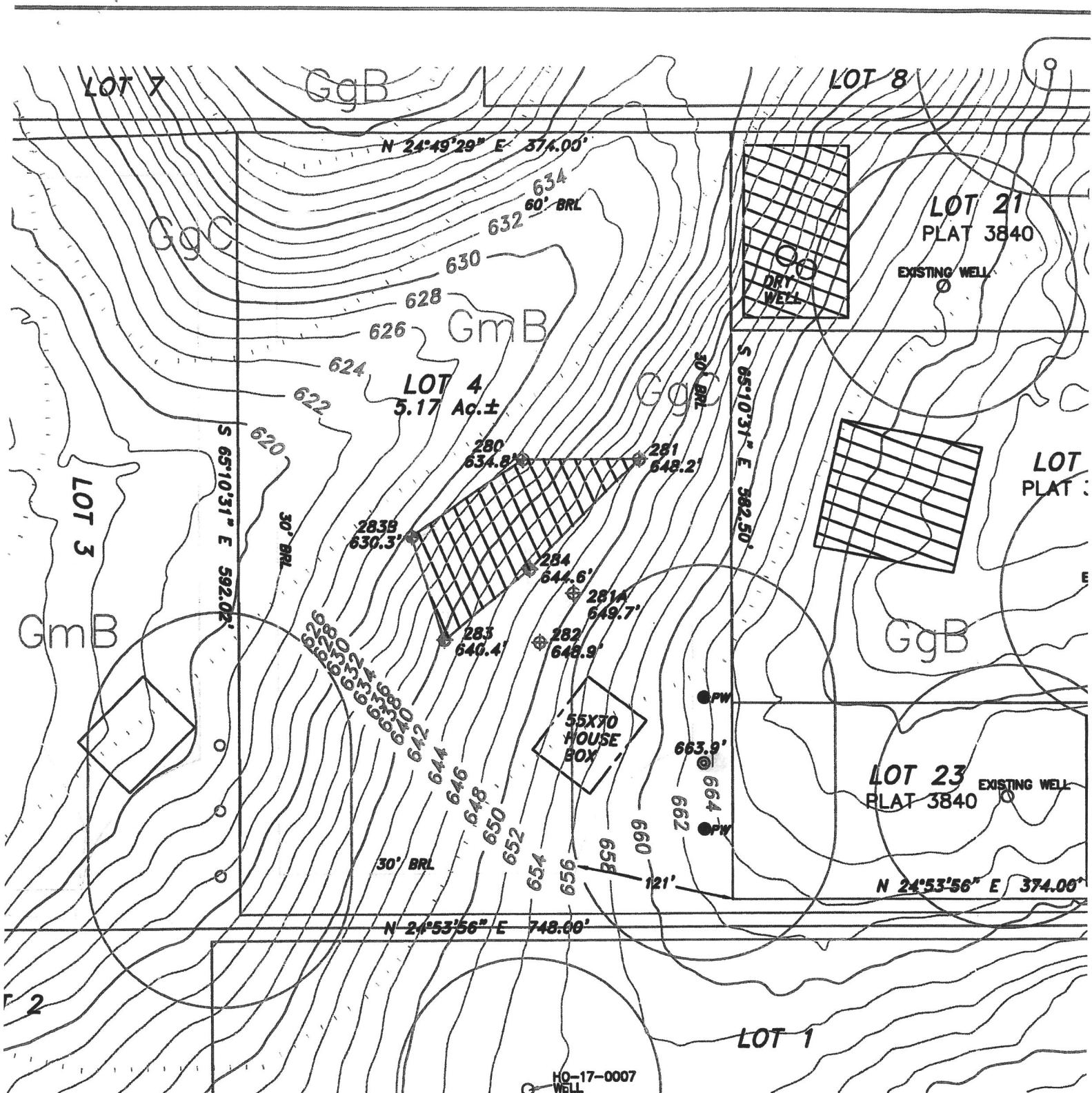
0' 100' 200'



This is to certify that I either personally prepared or
over the preparation of this drawing and the survey,
all set forth in Regulation .12 of Chapter 09.13.06
Annotated Regulations.

HEALTH OFFICER
7/11/18

1" = 100'



WARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND
PRIVATE SEWERAGE SYSTEMS.

Walter J. Davis 7/11/18
HEALTH OFFICER

OWNER

Stanley B. Miller Family Trust
16217 Frederick Road
Woodbine, Maryland 21797
Phone: 410 489 7392

1" = 100'

THE PURPOSE OF THIS PLAN IS
A PRIVATE SEWAGE DISPOSAL AI

0' 100' 200'

This is to certify that I either personally prepared or
over the preparation of this drawing and the survey
all set forth in Regulation .12 of Chapter 09.13.06
Annotated Regulations.

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – APRIL 7, 2020

October 7, 2019

Homeowner
16249 Frederick Road
Woodbine, MD 21797

RE: Stanley Miller Property, Lot 4
16249 Frederick Road
Building Permit: B19000034
Well Permit: HO-17-0322

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **5/3/2019**. Final approval of the well line connection to the dwelling was granted on **5/3/2019**. The well construction was completed on **8/24/2018**. Water samples were collected on **9/30/2019**.

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-17-0322. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

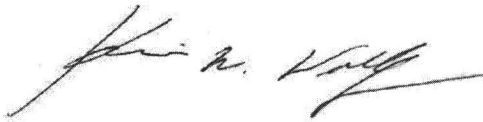
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will 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's website which describes in further detail operation and maintenance of your septic system.

Approving Authority,



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

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



Fredericktowne Labs Inc.

ENVIRONMENTAL TESTING

3020 Ventrie Court • P.O. BOX 245 • Myersville, MD 21773 • 800-332-3340 • FAX 301-293-2366
www.fredericktownelabs.com • info@fredericktownelabs.com

Certificate of Analysis

Acct. No. 10969 - 3-1

Field Record

Site visit performed on: Monday, September 30, 2019 12:30 PM
by: Cassandra Axline-Kidwi State ID No. 8220CA
Affiliation: Fredericktowne Labs, Inc.
Property Owner: Crosen Homes
Property Address: 16249 Frederick Road
Woodbine, MD 21797
Sample Source: Bathroom Sink
Treatment Devices Noted: No Treatment Devices
Well No.: HO-17-0322
Field pH: 7.8
Free Res. Cl.: <0.1 mg/l
Temp: 14.4° C

Laboratory Report

Sample Received at laboratory: 9/30/2019 1:35 PM

Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli.(/100ml)</u>	<u>Start</u>		<u>End</u>		<u>Method</u>	<u>Analyst</u>
		<u>Date</u>	<u>Time</u>	<u>Date</u>	<u>Time</u>		
<1	<1	09/30/19	14:04	10/01/19	08:08	9223B	JD

Bacteriological analysis of this sample indicates the water is safe for human consumption and meets federal, state and local requirements. Analysis was performed according to the 20th edition of Standard Methods

Inorganic Chemical results:

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>MCL</u>	<u>Date of Analysis</u>	<u>Method</u>	<u>Analyst</u>
Nitrate-Nitrogen	3.0	mg/l	10	9/30/2019	300.0	PH
Sand	<2	mg/l	5	10/1/2019	0.065mmFilter	JD
Turbidity	4.6	NTU'	<10	9/30/2019	180.1	PH

Reported by: Cristy Phelps 10/2/19
Name Date

Fredericktowne Labs, Inc. is a State Certified Water Quality Laboratory
Maryland Cert. No. 116 Virginia Cert. No. 00444
MDOT WBE Cert. No.: 91-158