

C 1 **36495** SEQUENCE NO. (MDE USE ONLY) **STATE OF MARYLAND WELL COMPLETION REPORT** THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS) FILL IN THIS FORM COMPLETELY PLEASE TYPE COUNTY NUMBER **A 55 7999**

ST/CO USE ONLY DATE Received **02-28-17** DATE WELL COMPLETED **2-22-2017** Depth of Well **345'** PERMIT NO. FROM "PERMIT TO DRILL WELL" **HO-17-0006**

OWNER **Dorsey** WELL SITE ADDRESS **Friedman Rd.** TOWN **Labor md** SUBDIVISION **Dorsey Property** SECTION _____ LOT _____

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	
Brown Shale	0	105	
Blue Rock	105	345	
Water 280'			

26 bags = 1/10 = 2.5 bbl / 10 arfo

GROUTING RECORD (yes no
WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one) CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS **26** NO. OF POUNDS **2444**

GALLONS OF WATER **156**

DEPTH OF GROUT SEAL (to nearest foot) from **0** TOP **52** ft. to **104** BOTTOM **58** 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 **ST** Nominal diameter top (main) casing (nearest inch) **6** Total depth of main casing (nearest foot) **109**

OTHER CASING (if used)

E A C H C A S I N G	diameter		depth (feet)	
	inch		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.) **107**

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. **MSD024**

DRILLERS SIGNATURE **Larry Mays**

LIC. NO. **MSD027**

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

C 2

E A C H C A S I N G	diameter		depth (feet)	
	inch		from	to
1	8	9	11	15
2	23	24	26	30
3	38	39	41	45

SLOT SIZE 1 _____ 2 _____ 3 _____

DIAMETER OF SCREEN (NEAREST INCH) _____

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX **68**

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) (E.R.O.S.)

T _____ 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.) **5**

METHOD USED TO MEASURE PUMPING RATE **Bucket**

WATER LEVEL (distance from land surface)

BEFORE PUMPING **35** ft.

WHEN PUMPING **218** 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) **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 **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 **39.339554**

LONGITUDE **77.087506**

(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.

B 1 SEQUENCE NO. (MDE USE ONLY) **42837** STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER **40-17-0006**
 1 2 3 6 559770 please type 70 fill in this form completely 79

OWNER INFORMATION
 Date Received (APA) 09/19/16
 8 MM DD YY 13
 15 Last Name Dorsey Owner First Name Claudia 34
 36 Street or RFD 13090 Old Frederick Rd 55
 57 Town Sykesville 70 State md 72 Zip 21284 76

LOCATION OF WELL
 8 COUNTY Howard 21
 23 SUBDIVISION Dorsey Property 42
 SECTION 44 46 LOT 48 50
 52 NEAREST TOWN Lisbon 71

DRILLER INFORMATION
 Driller's Name Joseph & Mayne M SD 024 76 License No. 81
 Firm Name Joseph & Mayne Well Drilling
 Address 5512 Ridge Rd Mt Airy md 21117
 Signature Joseph & Mayne Date 9-14-2016

SOURCES OF DRILLING WATER
 1. well
 2.
 3.
 STREET ADDRESS Frederick Rd 11 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH N
 WEST W 2 EAST E
 SOUTH S
 DISTANCE FROM ROAD 450 34 37
 ENTER FT OR MI FT 38 39
 TAX MAP: 7 BLK: _____ PARCEL 395

WELL INFORMATION
 1 2 APPROX. PUMPING RATE 5
 (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED 500
 (GAL. PER DAY) 14 20

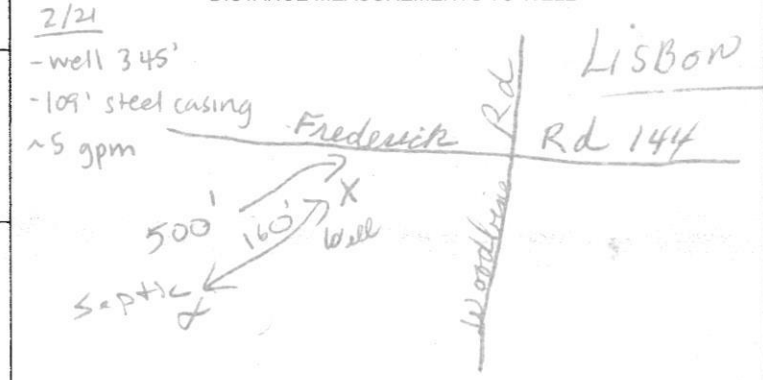
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 OPEN LOOP GEOTHERMAL
 CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
 COUNTY NAME Howard COUNTY NO. A 557999 (12)
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED 1/25/17 1/25/18
 43 MM DD YY 48 CO SIGNATURE [Signature] EXP. DATE
 DON: 2/21/17 (80) DOG: 2/22/17 (80) DOY: 2/22/17 (80)

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

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

METHOD OF DRILLING (circle one)
 BORED (or Augered) JETTED Jetted & DRIVEN
 30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)
 37 CABLE REVERSE-ROTary DRIVE-POINT
 other _____



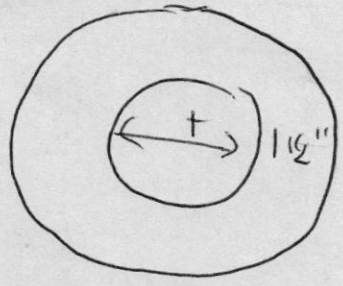
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)
 THIS WELL WILL NOT REPLACE AN EXISTING WELL
 THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
 THIS WELL WILL 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)
 APPROP. PERMIT NUMBER _____ G _____
 PERMIT No. 40-17-0006
 70 71 72 73 74 75 76 77 78 79

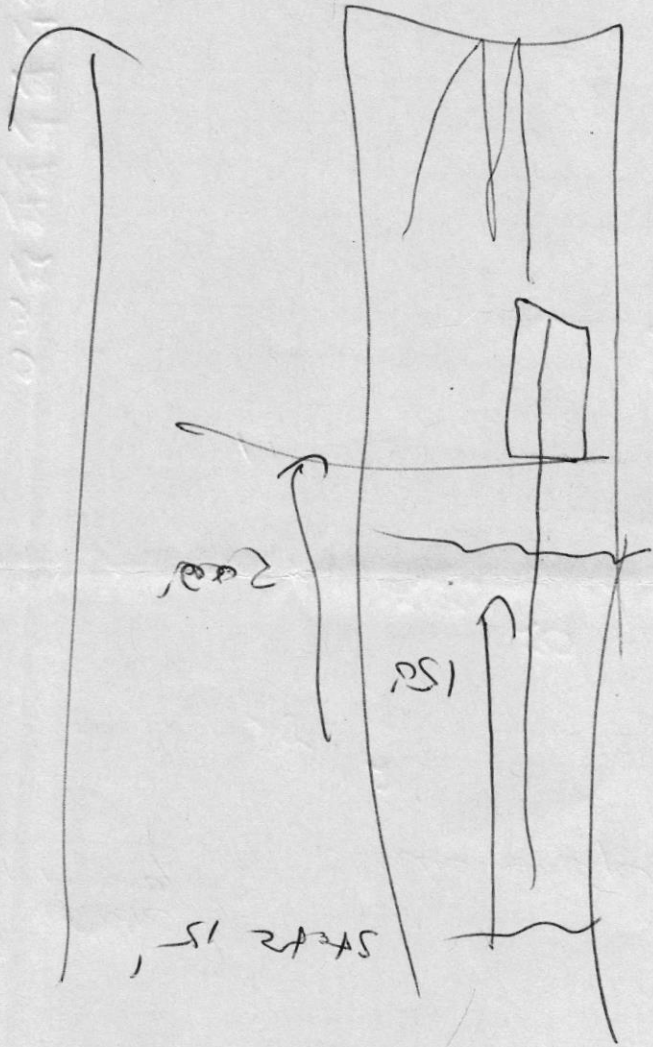
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~~AD~~ OD Well casing + 1 1/2" (2)

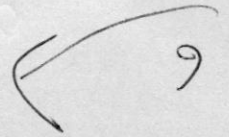
RECEIVED
FEB 28 2017
HOWARD COUNTY HEALTH DEPT.
BUREAU OF ENVIRONMENTAL HEALTH



$$6'' + 3 1/2'' + 9'' = 18 1/2''$$



12 bags
82'



165.5
73ft

35'

Hand gm

STATE 15'



By yields teach
~~flourish~~

late start. ~ 10 am

was yielding on site

~~11:45~~ 11:45 - 12:15

15. 2 sec per 1 gal

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WATER AND SEWERAGE PROGRAM
TEL: (410)313-2640 FAX: (410)313-2648**

Information Form for the Installation of the Well Pump, Pitless Adapter, and Supply Piping

NOTE: The installer is responsible for requesting an inspection prior to 9 am on the day of the desired inspection. No work is to be covered until approved by the Health Department. All installations must comply with the National Standard Plumbing Code (NSPC, as amended locally) and COMAR 26.04.04 (MD Well Construction Regulations). Submission of a complete form is required prior to Use and Occupancy approval.

Company Name: Keystone Homes Telephone #: 443-878-7754 PAT HARRISON
Address: 227 Granite Run Drive
LANCASTER, PA 17601

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Michael Ison License# MSD1162

***A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.**

Name of Property Owner: FRANCELAINE AUGUST Telephone #: _____
Subdivision: _____ Lot #: _____ Well Tag #: HO-17-0006
Site Address: 116493 FREDERICK ROAD
WOODBINE, MD 21797

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>STARTE</u>	Make: <u>BII</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>7GPM 314 HP</u>	Model#: <u>P100</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>7</u> GPM	Depth: <u>36</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>5</u> GPM	NSF approved: <u>yes</u>	Conduit min 18" B.G.: <input checked="" type="checkbox"/>
Depth of well encountered at time of pump installation <u>345</u> (feet)		Conduit secured to well cap: <input checked="" type="checkbox"/>

If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4
Torque arrestors or Cable guards are required - Must circle one
Safety rope, if used, attached to inside of well casing with eye bolt _____

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</u>	PVC sleeved to undisturbed soil at wall penetration: <input checked="" type="checkbox"/>
PSI: <u>200</u> (160 psi min)	Approximate length of sleeve: <u>6'</u>
Depth of supply line: <u>36</u> (36" min)	Sleeve caulked and sealed properly: <u>yes</u>

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

Signature of company representative responsible for installation: _____ date: 10/19/2022

10/21/22 - Barlow not ready for insp. (40)

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

Date Insp. Requested: 10/21/22 Date Insp. Approved: 11/09/2022 (40)
Inspection Data: Pitless adapter and 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 installed inside of well 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

10/24/22 - Whole H2O has been backfilled could not inspect (40)



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 – JUNE 20, 2023

December 20, 2022

Homeowner
16493 Frederick Road
Woodbine, MD 21797

**RE: Augustin Property, Lot 2
16493 Frederick Road
Building Permit: B21004968
Well Permit: HO-17-0006**

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 **11/10/2022**. Final approval of the well line connection to the dwelling was granted on **11/9/2022**. The well construction was completed on **2/22/2017**. Water samples were collected on **12/14/2022**.

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-17-0006. 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>



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

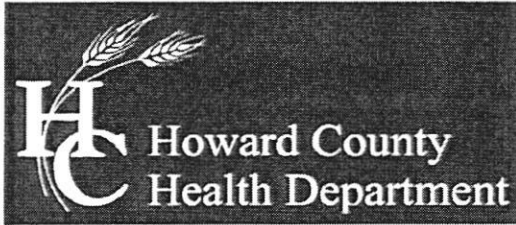
In closing, please refer to our "[Homeowner Fact Sheet](#)" which illustrates a better understanding for your Onsite Sewage Disposal System. You will also find a link to Maryland Department of the Environment's website which describes in further detail operation and maintenance of your septic system.

Approving Authority,

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

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

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



Bureau of Environmental Health

8930 Stanford Boulevard, Columbia, MD 21045

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

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

TO ALL INTERESTED PARTIES

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

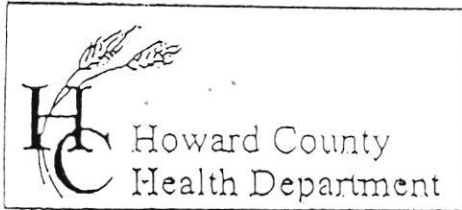
Well Site Location:

Property of Claudia Dotsey ^{TAX MAP 7} Parcel 395 Frederick Road
Subdivision/Property Name Lot # Road Name

The well site has been staked by James Carl Hudgins
(professional land surveyor or company employing professional land surveyors)
on 1-18-2017 (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.



7178 Columbia Gateway Drive, Columbia, MD 21046
 (410) 313-2640 Fax (410) 313-2648
 TDD (410) 313-2323 Toll Free 1-866-313-6000
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., 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:

Claudia Dorsey Property Frederick Rd
 Subdivision/Property Name Lot# Road Name

The well site has been staked by MSF Associates Inc
 (professional land surveyor or company employing professional land surveyors)
 on Sept 2016 (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.

Revised 3/11/05

HOME LAND LABS

1220 East Joppa Road #C505
Towson, MD 21286
Phone 443.505.8375
lab@homelandhealthyhomes.com
State Certified Water Quality Lab 365

108 Old Solomons Island Road, Suite I2
Annapolis, MD 21401
Phone 443.505.8375
lab@homelandhealthyhomes.com
State Certified Water Quality Lab 106

3430 Rockefeller Court
Waldorf, MD 20602
Phone 443.505.8375
lab@homelandhealthyhomes.com
State Certified Water Quality Lab 139

Certificate of Analysis

Report Date: 12/19/2022

Client: Barlow Well Drilling
Property Address: 16493 Frederick Road
Woodbine, MD
Report No: 232140
Sample Time: 12/14/2022 15:30
Date & Time Received: 12/15/2022 16:42
Sampled By: Steve Duklewski 3091SD
Field Preservation: Ice
Sample Point(s): Pressure Tank
Water Conditioning Appears to be: Not Noted

Field Chlorine: Not Noted
Field pH: 6.00
Well Type: Drilled
Well Height: 12"
Cap Type: Steel
Casing: Steel
Conduit: PVC
Clarity: Not Noted
Sand: Not Noted
Well Tag Number: HO-17-0006

This report is the sole property of Barlow Well Drilling. Any questions about the report MUST be directed to Barlow Well Drilling at (410) 838-6910. Home Land Labs is not at liberty to discuss this report without written consent from Barlow Well Drilling.

Primary Contaminants

Parameter	Method	Result	Pass/Fail	Units	MCL	RL	Analyst	Date of Analysis
Bacteria-Total Coliform	Colilert-18 Test	Absent	Pass	Per/100ml	Present	1	M K - 365	12/16/2022
Bacteria-E.coli	Colilert-18 Test	Absent	Pass	Per/100ml	Present	1	M K - 365	12/16/2022
Nitrate + Nitrite as N	EPA 353.2	Not Detected	Pass	mg/L	10	0.5	M K - 365	12/16/2022
Turbidity	EPA 180.1	0.9	Pass	NTU	10	0.5	A D - 365	12/16/2022

Secondary Contaminants

Parameter	Method	Result	Acceptable/High	Units	SMCL	RL	Analyst	Date of Analysis
pH	EPA 150.1	7.0	-	pH Units	-	1	A D - 365	12/16/2022

Contaminants

Parameter	Method	Result	Acceptable/High	Units	SMCL	RL	Analyst	Date of Analysis
Sand	Visual	None	-	ml/L/hr	-	0.2	A D - 365	12/16/2022

The lab added the following notes for your report:

- pH must be analyzed in the field to be in accordance with EPA protocol.

Approved By: Denise Junis Denise Junis, Lab Director

Is the sample for a public water system? Yes No

HOME LAND LABS


232140 Due Date: 12/19/2022
Client: Barlow Wel

Phone: (443) 505-8375 Email: lab@homelandhealthyhomes.com

1220 E Joppa Rd. Ste C505
Towson, MD 21286
MD Lab # 365

108 Old Solomons Island Road, Ste L2
Annapolis, MD 21401
MD Lab # 106

3430 Rockefeller Court
Waldorf, MD 20602
MD Lab # 139

2216 Commerce Road, Ste 2A
Forest Hill, MD 21050

Client Name: <u>Michael Barlow Well Drilling</u>	Property Address: <u>16493 Frederick Rd</u>
Email Address: <u>misom@mbwd.us</u>	<u>Woodbine, MD</u>
Phone Number: <u>(410) 838-6910</u>	

Field Collection Information

Sampler Name: <u>Steve Duklewski</u>	Field pH: <u>6</u>
Sampler ID #: <u>309150</u>	Field Chlorine (mg/L):
Date Sampled: <u>12-14-22</u> Time Sampled: <u>3:30 PM</u>	Sand
Well Tag Number: <u>HO-17-0006</u>	Clarity:

Well Casing and Cap Condition

Well Type: Drilled Well Pit Below Grade Artesian Hand Dug N/A Other: _____

Height Above Grade: <u>12"</u>	Cap Type: <u>steel</u>	Casing: <u>steel</u>	Conduit: <u>PVC</u>
Sample Point: <u>psi Tank</u>	Water Conditioning:		

Requested Testing: (Please check all that apply)

- Potability (Bacteria, Nitrate + Nitrite, Turbidity)
- FHA/VA (Bacteria, Nitrate + Nitrite, Turbidity, Lead, Iron)
- Bacteria
- Lead
- Nitrate + Nitrite
- Iron
- Turbidity
- Chlorides
- Hardness
- Arsenic
- Cadmium
- Gross Alpha
- Total Dissolved Solids
- Copper
- VOCs
- Other: PH
- Other: Sand

List rush samples below
Refer to table for rush turnaround times and fees

Release Signatures

Released By: [Signature] Date/Time: 12-15-22 12:18 PM 12-15-22

Released By: [Signature] Date/Time: 12-15-22 4:42 P 12-18 P

Released By: _____ Date/Time: _____

Received in lab by: [Signature] Date/Time: 12/15/22 4:42pm

Sample temperature upon receipt: _____

WELL ABANDONMENT REPORT

Date 6-26-89

Permit Number of abandoned well (if any)

HO-88-0172

Driller's Name

~~ALLO~~ ~~ALLO~~
MALECHI MICHAEL
Last First

Owner's Name

JULIO TED
Last First

Well Location:

County HOWARD
Subdivision _____
Section _____ Lot _____
Nearest Town DORSEY
Maryland Grid Location _____

Box Number

E 860
N 940

	0/5		5/5
	0/0	X	5/0

Show well location by (x) within box

Type of Well

- Drilled
- Jetted
- Bored or Augered
- Other, specify _____

Depth of Well 24 Feet

Type of Casing

- Steel
- Plastic
- Concrete
- Other, specify _____

Size of Casing 4 Inches

Was any case removed Yes No
if yes amount removed 5' (feet)

Was casing ripped or perforated Yes No

Log of Sealing Material

Material	Feet	
	From	To
<u>PORTLAND + BENTONITE</u>	<u>0</u>	<u>24'</u>

Driller

Michael Malachi
(Signature)

License #

MW-422

C-1 0693

SEQUENCE NO. (DENV USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

FILL IN THIS FORM COMPLETELY PLEASE PRINT OR TYPE

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

COUNTY NUMBER W # 42534

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

DATE RECEIVED

SEP 17 1988

DATE WELL COMPLETED

091388

DEPTH OF WELL

24 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL"

40-88-0172

OWNER JULIO TED last name first name TOWN DORSEY STREET OR RFD ROUTE 1 SUBDIVISION MAP 43 Q5 P.62 SECTION LOT WELL #1

WELL LOG Not required for driven wells STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), Check if water bearing. Rows describe geological layers: Brown Yellow clayey silt w/ fn sand, Red white silty clay w/ fn sand, mn white fn to coarse sand w/ gravel + cobbles, Blue gray clayey silt w/ fn to coarse sand.

GROUTING RECORD WELL HAS BEEN GROUTED (Circle appropriate box) TYPE OF GROUTING MATERIAL CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 6 NO. OF POUNDS 582 GALLONS OF WATER 30 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 6 ft.

CASING RECORD casing types insert appropriate code below (ST) (CO) (PL) (OT) STEEL CONCRETE PLASTIC OTHER

MAIN CASING Nominal diameter top (main) casing (nearest inch) Total depth of main casing (nearest foot) TYPE (PL) (4) (9)

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

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

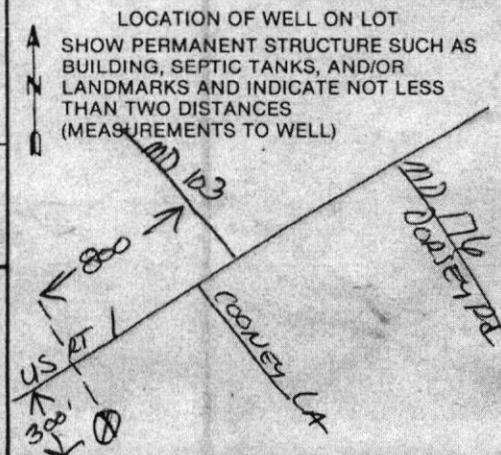
DEPTH (nearest ft.) (PL) (9) (24) SLOT SIZE 40 DIAMETER OF SCREEN 4 (NEAREST INCH)

GRAVEL PACK from 6 to 24 IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 0 PUMPING RATE (gal. per min. to nearest gal.) METHOD USED TO MEASURE PUMPING RATE CALIBRATED CONT. WATER LEVEL (distance from land surface) BEFORE PUMPING 14 WHEN PUMPING 14 TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (J) jet (S) submersible hand bailer DE

PUMP INSTALLED DRILLER WILL INSTALL PUMP YES (NO) IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS EXCEPT HOME USE TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX - SEE ABOVE: 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 (2) (nearest foot)



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 10.17.13 "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 IDENT. NO. 354 DRILLERS SIGNATURE Stanley R. ... SITE SUPERVISOR (sign. of driller or journeyman responsible for sitework if different from permittee) Jan A. ...

Cabahug, Joseph

From: C. Alan Sharp <calansharp@gmail.com>
Sent: Friday, January 27, 2017 11:35 AM
To: Wolf, Kevin
Cc: Cabahug, Joseph; Carl Hudgins
Subject: Re: Stanley Miller Property, 13090 Frederick Rd

Kevin and Joseph,

I spoke to Carl's office this morning. We will remove the erroneous stake. So that the remaining well stake reflects the signed perc cert.

When can we expect approval of the well permit?

Thank you,

-Alan Sharp
301-938-2142

On Fri, Jan 27, 2017 at 11:28 AM, Wolf, Kevin <KWolf@howardcountymd.gov> wrote:

Carl,

Just to add, the well location approved must match the proposed well location on the signed Perc Cert (PC). This latest approved PC supersedes any previous submissions. Any changes will result in the submission of a revised PC prior to well drilling.

Thanks,

Kevin M. Wolf, LEHS, REHS/RS

Groundwater Mgmt. Sec. Supervisor

Well & Septic Program

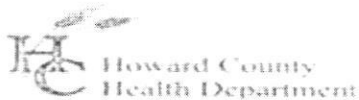
Bureau of Environmental Health

8930 Stanford Blvd.

Columbia, MD 21045

(o) [410-313-2645](tel:410-313-2645)

(t) 410-313-2648



kwolf@howardcountymd.gov

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From: Cabahug, Joseph
Sent: Friday, January 27, 2017 9:54 AM
To: Carl Hudgins
Cc: C. Alan Sharp; Wolf, Kevin
Subject: Stanley Miller Property, 13090 Frederick Rd

Hello Carl,

The 13090 Old Frederick location (Tax 7, Parcel 395) was inspected yesterday (01/26/2017). There are two well locations staked out. One was the original approved staked well that is on the percolation certification. The other location was closer to the proposed house, about 31.5' from the 16489 property and 38' from Mac. Drive.

Attached is an annotated scan of the most up to date percolation certification that approved on 01/20/2017 for reference.

Please advise and confirm which well stake location is to be developed in order to eliminate driller confusion upon release of the permit.

Bests,

Joseph

From: Carl Hudgins [<mailto:carl@nttsurveyors.com>]
Sent: Monday, January 23, 2017 7:15 PM
To: Cabahug, Joseph
Cc: C. Alan Sharp
Subject: RE: Stanley Miller Property, Frederick Rd

Hi

I have attached the well staked certification form.

Carl

From: Cabahug, Joseph [<mailto:jcabahug@howardcountymd.gov>]
Sent: Monday, January 23, 2017 1:18 PM
To: Carl Hudgins
Cc: Williams, Jeffrey; Calansharp@gmail.com; Wolf, Kevin
Subject: Stanley Miller Property, Frederick Rd

Hi Carl,

Thank you for the PDF reflecting changes on the plat. Alan has reached out to Jeff with notice that the well location was staked. However, the record requires an updated Well Staked Certification Form.

Pursuant to Well Drilling Permit application 559770, please return an updated Well Staked Certification Form, so we may continue to review and process the Well Drilling Permit.

Attached is a Well Stake Certification Form and a copy of the approved Percolation Certification for reference.

Best Regards,

Joseph C. Cabahug

Environmental Health Specialist - Trainee

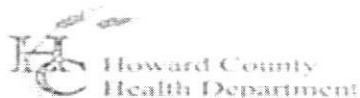
Well & Septic Program

Bureau of Environmental Health

8930 Stanford Blvd.

Columbia, MD 21045

(o) [410-313-2643](tel:410-313-2643)



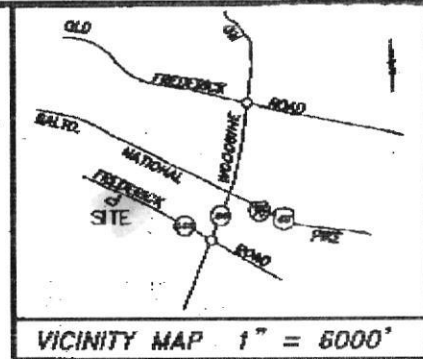
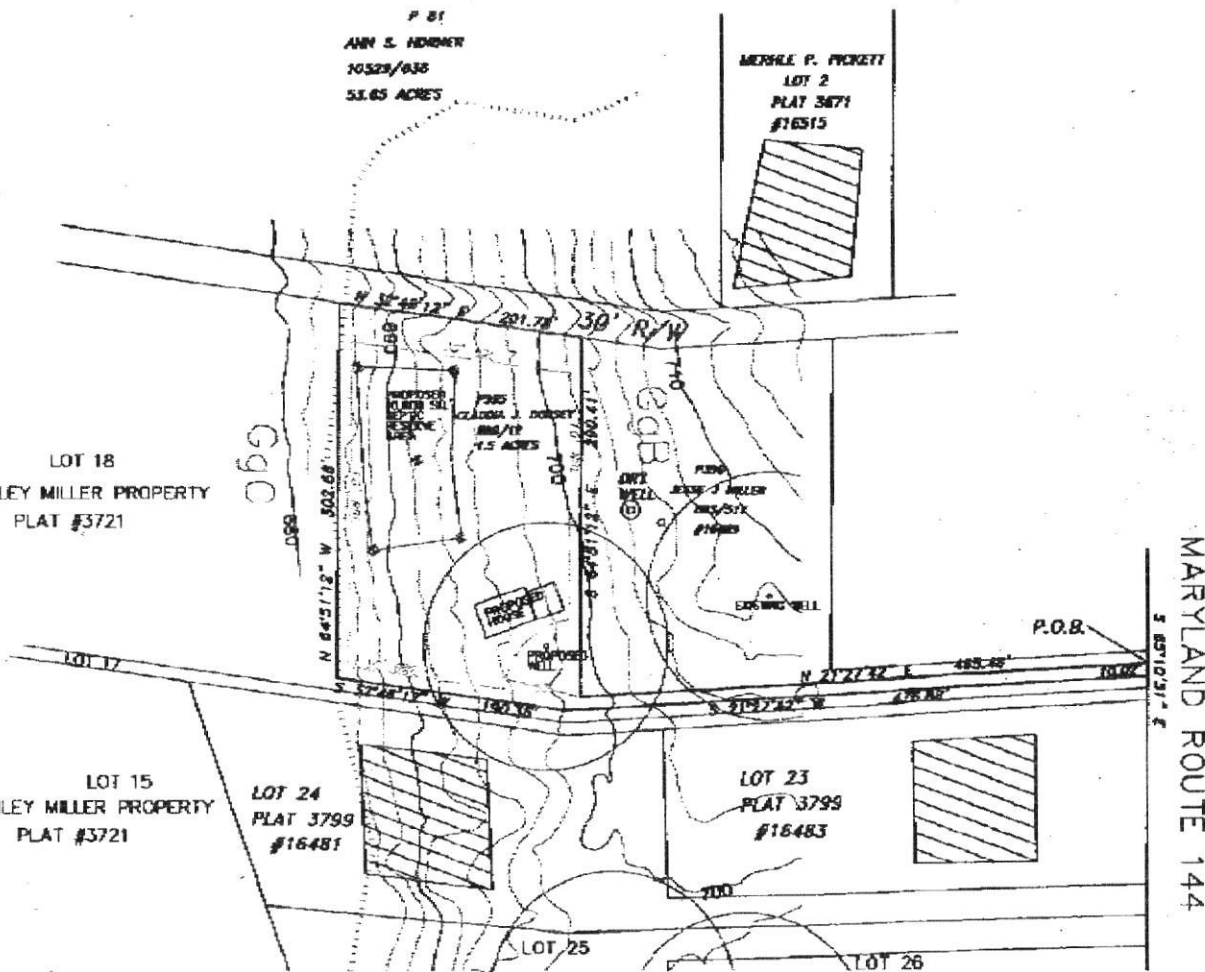
jcabahug@howardcountymd.gov

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To Joe Mayne

Alan Sharp
cell: 301-938-2142



- GENERAL NOTES:**
- THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL IMPROVEMENTS OF ANY NATURE BY THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL REMAIN FULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE DISPOSAL AREA.
 - SUBJECT LOT WAS CREATED IN 1977.
 - ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
 - ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES LOCATED BY VISUAL INSPECTION ONLY.
 - ALL EXISTING AND PROPOSED WELLS WITHIN 200' DOWN-DRAINAGE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS LOCATED BY VISUAL INSPECTION ONLY.
 - SOIL TYPE BOUNDARY LINES SCALED FROM MAP OBTAINED FROM USDA WEBSITE ARE:
 - (a) GgC GLENHOLD LOAM S to ISK
 - (b) GgB GLENHOLD LOAM S to BK
 - (c) GwB GLENVILLE SILT LOAM S to BK
 - THE ELEVATIONS AND 2' CONTOURS SHOWN HEREON ARE DERIVED FROM 2011 HOWARD COUNTY GIS TOPOGRAPHIC SURVEY SITE <http://data.howardcountypd.gov> BY NAD83 1988 DATUM.

THE PURPOSE OF THIS PLAN IS TO REESTABLISH THE PRIVATE SEWAGE EASEMENT.

HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.

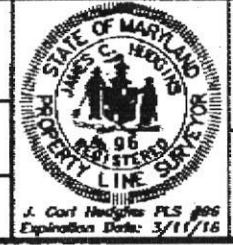
HEALTH OFFICER

OWNER

Claudia J. Dorsey
13090 Old Frederick Road
Sykesville, Maryland 21784
Phone: 410 489 7392

The purpose of this drawing is to facilitate the releasing of parcel on entering property of Claudia J. Dorsey Liber 680 Folio 12

This is to certify that I either personally prepared or was in responsible charge over the preparation of this drawing and the surveying work reflected in it, all set forth in Regulation 12 of Chapter 08.13.06 of the Code of Maryland Annotated Regulations.



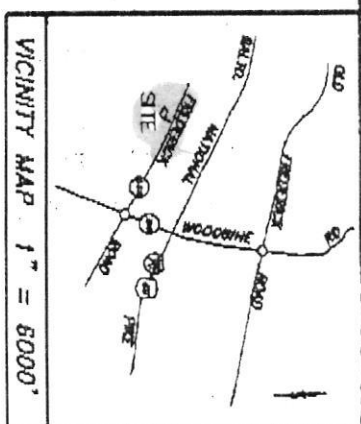
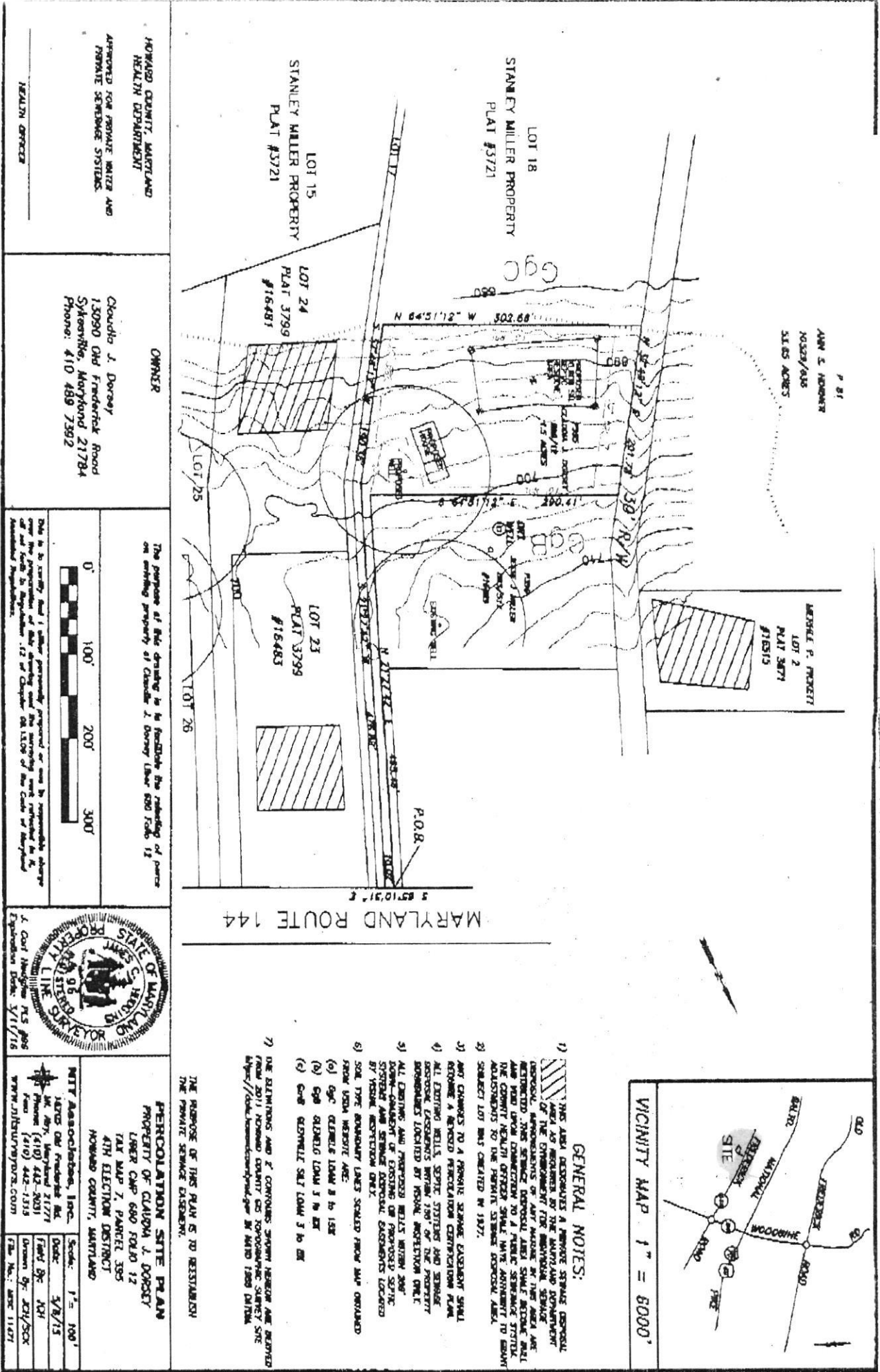
PERCOLATION SITE PLAN
PROPERTY OF CLAUDIA J. DORSEY
LIBER CMP 680 FOLIO 12
TAX MAP 7, PARCEL 395
4TH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

NTI Associates, Inc.
18205 Old Frederick Rd.
St. Myr, Maryland 21771
Phone: (410) 442-2031
Fax: (410) 442-1315
www.ntisurveyors.com

Scale: 1" = 100'
Date: 5/8/15
Field By: JCH
Drawn By: JCH/SCX
File No.: MSC 11471

To Joe Payne

Allen Sharp
Cell: 301-938-2142



GENERAL NOTES:

- 1) THIS AREA DESIGNATES A PROPOSED SEWAGE DISPOSAL AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT FOR MUNICIPAL SEWAGE DISPOSAL APPLICANTS OF ANY SIZE. AT THIS AREA ARE RESTRICTED. THIS SEWAGE DISPOSAL AREA SHALL BECOME FULLY OPERATIONAL UPON CONNECTION TO A PUBLIC SEWAGE TREATMENT PLANT. THE COUNTY HEALTH OFFICE SHALL HAVE AGREEMENT TO BRING THIS AREA INTO THE PUBLIC SEWAGE DISPOSAL AREA.
- 2) SUBJECT LOT WAS CREATED IN 1977.
- 3) ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL SHALL REQUIRE A REVISION PERCOLATION CERTIFICATION PLAN.
- 4) ALL EXISTING WELLS, SEPTIC TANKS AND SEWER DISCHARGE SYSTEMS WITHIN 100' OF THE PROPERTY BOUNDARIES LOCATED BY THIS PERCOLATION PLAN.
- 5) ALL EXISTING AND PROPOSED WELLS WITHIN 200' DOWN-GRADE OF EXISTING OR PROPOSED SEPTIC SYSTEMS AND SEWER DISPOSAL SYSTEMS LOCATED BY THIS PERCOLATION PLAN.
- 6) SOIL TYPE BOUNDARY LINES DERIVED FROM MAP OBTAINED FROM USDA WEBSITE ARE:
 - (a) 6% SLOPES LOW 3 TO 13%
 - (b) 6% SLOPES LOW 3 TO 13%
 - (c) 6% SLOPES SET LOW 3 TO 13%
- 7) THE EXISTING AND PROPOSED SEWER LINES ARE DERIVED FROM 2011 HOWARD COUNTY GIS TOPOGRAPHIC SURVEY SITE <http://data.howardcountymd.gov> IN AWD 1200 DATA.

THE PURPOSE OF THIS PLAN IS TO REESTABLISH THE PRIVATE SEWAGE EASEMENT.

PERCOLATION SITE PLAN
 PROPERTY OF CLAUDIA J. DORSEY
 LNER CAMP 680 ROAD 12
 TAX MAP 7, PARCEL 395
 4TH ELECTRIC DISTRICT
 HOWARD COUNTY, MARYLAND

Scale: 1" = 100'
 Date: 5/8/13
 Drawn By: JH/SCX
 Tab. No.: 002 11421



OWNER
 Claude J. Dorsey
 15090 Old Frederick Road
 Sikeston, Maryland 21784
 Phone: 410 489 7392

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HEALTH OFFICER

HOWARD COUNTY, MARYLAND
HEALTH DEPARTMENT
 APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HEALTH OFFICER

Bernard, Dana

From: Bernard, Dana
Sent: Thursday, December 22, 2016 9:59 AM
To: 'C. Alan Sharp'
Subject: RE: Percolation Certification Results

Good Morning Alan,

Your red lines looks good for the septic system, please use the line as your guide to complete your plan and make sure it is 10,000 square feet. The red arrow where you have the proposed well is fine however, all of the wells must as far away as possible from the surrounding septic systems and 30 feet away from the proposed house. Unfortunately, your wells are down gradient and will require a variance and pretreatment. Make sure to get the variance form signed by the property owner and submit it with your plan. Once I receive the plan we will review your plan in the office and if everything checks out we will send it up for signature.

Thanks
Dana

From: C. Alan Sharp [mailto:calansharp@gmail.com]
Sent: Wednesday, December 21, 2016 10:16 PM
To: Bernard, Dana
Subject: Re: Percolation Certification Results

Any updates or feedback?

Thanks.

Sent from my iPhone

On Dec 15, 2016, at 6:39 PM, C. Alan Sharp <calansharp@gmail.com> wrote:

I've indicated with a red arrow and "Proposed Well" label where you suggested best well location would be. This is between the 686-688 contour. Also, showed moving the septic field to the #297 hole and following the redline to move the field father from the well. If this achieves our objectives and you receive tentative approval on Monday, let us know and we'll have the changes made.

I'm glad to hear that the flow is away from the well which should remove the pre-treatment requirement.

Thank you,
Chuck
410-489-4630

On Thu, Dec 15, 2016 at 6:00 PM, Bernard, Dana <dbernard@howardcountymd.gov> wrote:

I will be out of the office tomorrow. However just e-mail me with any questions and I will respond.

From: C. Alan Sharp [mailto:calansharp@gmail.com]
Sent: Thursday, December 15, 2016 5:59 PM

Williams, Jeffrey

From: C. Alan Sharp <calansharp@gmail.com>
Sent: Wednesday, January 18, 2017 8:42 PM
To: Williams, Jeffrey
Subject: Re: Stanley Miller Property, Frederick Rd

Jeff,

The well location was staked today (1/18/17).

Thanks,

-Alan

On Fri, Jan 13, 2017 at 12:06 PM, Carl Hudgins <carl@nttsurveyors.com> wrote:

Hi Jeff

I made the changes you mentioned, and have attached a PDF of the plat to this email for your info.

Carl

From: Williams, Jeffrey [mailto:jewilliams@howardcountymd.gov]
Sent: Thursday, January 12, 2017 12:05 PM
To: Carl Hudgins
Cc: C. Alan Sharp (calansharp@gmail.com)
Subject: Stanley Miller Property, Frederick Rd

I'm following up on a project Dana was working on, she is going to be out for a few weeks. Looking through the file it looks like there is some issue on where to place the wells to either miss being downgrade or make them over 200' away and get a downgrade variance. Keep in mind that we judge downgrade for these purposes to be perpendicular to the surface contour and within a 45 degree arc from that line. I see a couple possible solutions here:

- There is a spot on the north east corner of the lot by the pipestem that would be not downgrade of the drywell on the lot to the north. It would have to squeeze in by wherever the driveway is going and stay 100' from the other sewage disposal area on the other lot. We would want to see the driveway and if the well is less than 10' from that, show bollards around the well to protect it.
- A well location could be further south on the east side to be at least 200' from the drywell and there is a narrow window to keep it over 100' from the neighbors sewage area to the east and its own sewage area.

With this option, the owner will have to submit a variance request form (attached) to us for review and get MDE approval.

Let me know if there are questions. Thanks

Jeff Williams

Program Supervisor, Well & Septic Program

Bureau of Environmental Health

Howard County Health Dept.

410-313-4261

jewilliams@howardcountymd.gov

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Cabahug, Joseph

From: Cabahug, Joseph
Sent: Tuesday, January 24, 2017 2:30 PM
To: 'Carl Hudgins'
Cc: C. Alan Sharp
Subject: RE: Stanley Miller Property, Frederick Rd

Document received 01/23/2017. Thank you Carl!

Joseph

From: Carl Hudgins [<mailto:carl@nttsurveyors.com>]
Sent: Monday, January 23, 2017 7:15 PM
To: Cabahug, Joseph
Cc: C. Alan Sharp
Subject: RE: Stanley Miller Property, Frederick Rd

Hi
I have attached the well staked certification form.
Carl

From: Cabahug, Joseph [<mailto:jcabahug@howardcountymd.gov>]
Sent: Monday, January 23, 2017 1:18 PM
To: Carl Hudgins
Cc: Williams, Jeffrey; Calansharp@gmail.com; Wolf, Kevin
Subject: Stanley Miller Property, Frederick Rd

Hi Carl,

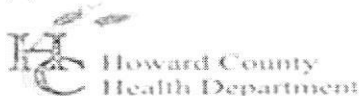
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Attached is a Well Stake Certification Form and a copy of the approved Percolation Certification for reference.

Best Regards,

Joseph C. Cabahug
Environmental Health Specialist - Trainee
Well & Septic Program
Bureau of Environmental Health
8930 Stanford Blvd.
Columbia, MD 21045
(o) 410-313-2643





jcabahug@howardcountymd.gov

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