

C141820

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.

COUNTY
NUMBER

DATE RECEIVED
MM 06 DD 09 Y 13

DATE WELL COMPLETED
MM 06 DD 14 Y 2019

DEPTH OF WELL
225
(TO NEAREST FOOT)

PERMIT NO.
FROM "PERMIT TO DRILL WELL"
H0 18 0071

OWNER
Hochstetler
WELL SITE ADDRESS
3920 Sharp Rd
SUBDIVISION
Sharp Farms
SECTION
TOWN
Helenburg
LOT
10

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
Sand 0 36
Mica Rock 36 225
Water at 15' 150
* Driller indicated
bedrock terminated
@ 25'

check
if water
bearing

GROUTING RECORD
WELL HAS BEEN GROUTED
(Circle Appropriate Box)
TYPE OF GROUTING MATERIAL (Circle one)
CEMENT CM BENTONITE CLAY BC
NO. OF BAGS 16 NO. OF POUNDS 1504
GALLONS OF WATER 96
DEPTH OF GROUT SEAL (to nearest foot)
from 0 ft. to 38 ft.
(enter 0 if from surface)

CASING RECORD
casing
types
insert
appropriate
code
below
MAIN CASING TYPE
ST
Nominal diameter
top (main) casing
(nearest inch)
6
Total depth
of main casing
(nearest foot)
40
OTHER CASING (if used)
diameter
inch
depth (feet)
from to

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

DEPTH (nearest ft.)
1 2
H0 38 225
EACH CASING
1 8 9 11 15 17 21
2 23 24 26 30 32 36
3 38 39 41 45 47 51
SLOT SIZE 1 2 3
DIAMETER
OF SCREEN
(NEAREST
INCH)
58 60
from to

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

PUMPING TEST
HOURS PUMPED (nearest hour) 3
PUMPING RATE (gal. per min.) 15
METHOD USED TO
MEASURE PUMPING RATE Bucket
WATER LEVEL (distance from land surface)
BEFORE PUMPING 10 ft.
WHEN PUMPING 106 ft.
TYPE OF PUMP USED (for test)
A air P piston T turbine
C centrifugal R rotary O other
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)
+ above LAND SURFACE
- below 2 (nearest foot)

LATITUDE 39.26975
LONGITUDE 77.01462
(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 Y NO 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. 1 M 5 D 0 2 7 r
DRILLERS SIGNATURE
(MUST MATCH SIGNATURE ON APPLICATION)
LIC. NO. 1 D
SITE SUPERVISOR (sign. of driller or journeyman
responsible for sitework if different from permittee)

B 1	34414	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type	STATE PERMIT NUMBER HO-18-0071 <small>fill in this form completely</small>
Date Received (APA) 04/26/2019 8 MM DD YY 13		OWNER INFORMATION		
15 Last Name Hochstetler		Owner Stephen		34 First Name
36 Street or RFD 21501 Goshen Hunt Lane		55		
57 Town Gaithersburg Md		70 State	72 Zip	76
DRILLER INFORMATION				
Driller's Name Harry Mayne		M SD 027 76 License No. 81		
Firm Name Joseph E. Mayne Well Drilling				
Address 5512 Ridge Rd Mt Airy Md 21771				
Signature Harry Mayne		Date 4-15-2019		
B 2		WELL INFORMATION		
1 2		APPROX. PUMPING RATE (GAL. PER MIN.)		
		8 500 12		
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY)		14 500 20		
USE FOR WATER (CIRCLE APPROPRIATE BOX)				
<input checked="" type="checkbox"/> DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION				
<input type="checkbox"/> FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)				
<input type="checkbox"/> INDUSTRIAL, COMMERCIAL, DEWATERING				
<input type="checkbox"/> PUBLIC WATER SUPPLY WELL				
<input type="checkbox"/> TEST, OBSERVATION, MONITORING				
<input type="checkbox"/> OPEN LOOP GEOTHERMAL				
<input type="checkbox"/> CLOSED LOOP GEOTHERMAL				
APPROXIMATE DEPTH OF WELL		320 FEET		
APPROXIMATE DIAMETER OF WELL		6 INCH		
METHOD OF DRILLING (circle one)				
BORED (or Augered)		JETTED		
<input checked="" type="checkbox"/> AIR-ROTARY		<input type="checkbox"/> JETTED & DRIVEN		
<input type="checkbox"/> CABLE		<input type="checkbox"/> AIR-PERCUSION		
other		<input type="checkbox"/> ROTARY (Hydraulic Rotary)		
		<input type="checkbox"/> REVERSE-ROTARY		
		<input type="checkbox"/> DRIVE-POINT		
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)				
<input checked="" type="checkbox"/> THIS WELL WILL NOT REPLACE AN EXISTING WELL				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED				
<input type="checkbox"/> THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS				
<input type="checkbox"/> THIS WELL WILL DEEPEMED AN EXISTING WELL				
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41				
Not to be filled in by driller (MDE OR COUNTY USE ONLY)				
APPROX. PERMIT NUMBER				
PERMIT No. HO-18-0071				
SPECIAL CONDITIONS				
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED				

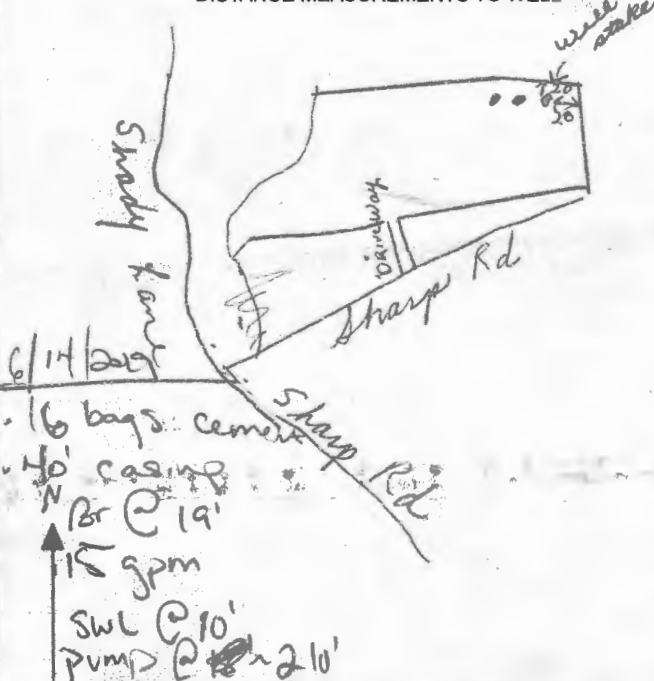
B 3		LOCATION OF WELL	
Howard		COUNTY	
Sharp Farms		SUBDIVISION	
SECTION 44 46		LOT 10 48 50	
Glenelg		NEAREST TOWN	

B 4		SOURCES OF DRILLING WATER	
1. Well		3720 Sharp Rd	
2.		STREET ADDRESS	
3.		ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)	
		<div style="display: flex; align-items: center;"> <div style="text-align: center;"> NORTH N WEST W EAST E SOUTH S </div> <div style="margin-left: 10px;"> 34 200' 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 21 BLK: 12 PARCEL 0200 </div> </div>	

NOT TO BE FILLED IN BY DRILLER
HEALTH DEPARTMENT APPROVAL

Howard		COUNTY NAME	
STATE		COUNTY NO.	
SIGNATURE		INSERT S	
DATE ISSUED		EXP. DATE	
05/15/2019		05/15/2020	
CO SIGNATURE		EXP. DATE	
Don 6/12/2019		Don 6/14/2019	

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



WELL BOX BORDERS WETLAND SOIL
BRING FRIABLE COUNTY TO ABOUT 5'-6' MORE OR LESS
JUST IN CASE.

C1 41820

SEQUENCE NO.
(MDE USE ONLY)STATE OF MARYLAND
WELL COMPLETION REPORT
FILL IN THIS FORM COMPLETELY
PLEASE TYPETHIS REPORT MUST BE SUBMITTED WITHIN
45 DAYS AFTER WELL IS COMPLETED.1 2 3 4 5
(THIS NUMBER IS TO BE PUNCHED -
IN COLS. 3-6 ON ALL CARDS)COUNTY
NUMBER

ST/CO USE ONLY

DATE WELL COMPLETED

Depth of Well

PERMIT NO.
FROM "PERMIT TO DRILL WELL"DATE Received
MM DO YY
8 13MM DO YY
6 14 2019
16 2022 225 28
(TO NEAREST FOOT)28 29 30 31 32 33 34 35 36 37
H0-18-0071OWNER Hochstetler Stephen
WELL SITE ADDRESS 3720 Sharp Rd. TOWN H. Linez
SUBDIVISION Sharp Farms SECTION 10 LOT 10

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR
COLOR, DEPTH, THICKNESS AND IF WATER BEARINGDESCRIPTION (Use
additional sheets if needed)FEET
FROM TOcheck
if water
bearingSand 0 36
Mica Rock 36 225 ✓
Water at 25' 150'

GROUTING RECORD

WELL HAS BEEN GROUTED
(Circle Appropriate Box)

TYPE OF GROUTING MATERIAL (Circle one)

CEMENT CM BENTONITE CLAY BCNO. OF BAGS 16 NO. OF POUNDS 1504GALLONS OF WATER 96

DEPTH OF GROUT SEAL (to nearest foot)

from 48 TOP 52 ft. to 54 BOTTOM 58 ft.
0 38
(enter 0 if from surface)

CASING RECORD

casing
types
insert
appropriate
code
belowST CO
STEEL CONCRETE
PL OT
PLASTIC OTHERMAIN CASING TYPE ST Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 40
60 61 63 64 66 70

OTHER CASING (if used)

EACH CASING diameter depth (feet)
inch from toscreen type
or open hole

SCREEN RECORD

insert appropriate code below
ST BR HO
STEEL BRASS OPEN HOLE
PL OT
PLASTIC OTHERNUMBER OF UNSUCCESSFUL WELLS: 0WELL HYDROFRACTURED YES Y NO 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. 1 M5D027DRILLERS SIGNATURE [Signature]
(MUST MATCH SIGNATURE ON APPLICATION)LIC. NO. 1 D

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

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68 68MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER)
T (E.R.O.S.) W Q70 72 74 75 76
TELESCOPE LOG OTHER DATA
CASING INDICATOR

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3PUMPING RATE (gal. per min.) 15METHOD USED TO MEASURE PUMPING RATE Bucket

WATER LEVEL (distance from land surface)

BEFORE PUMPING 10 ft.WHEN PUMPING 106 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 29CAPACITY: GALLONS PER MINUTE (to nearest gallon) 31 36PUMP HORSE POWER 37 41PUMP COLUMN LENGTH (nearest ft.) 48 47

CASING HEIGHT (circle appropriate box and enter casing height)

+ above } LAND SURFACE
- below } 2 (nearest foot)LATITUDE 39.26925
LONGITUDE 77.06402
(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.

ORIGINAL



CROSEN
HOMES

Custom Homes & Remodeling

don@crosenhomes.com
410-916-5366

MHIC# 103264
MHBR# 7683

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

MEMORANDUM

TO: Department of Planning and Zoning
Attn: Kent Sheubrooks
Planning Manager

FROM: **Joseph Cabahug** *J. Cabahug*
Licensed Environmental Health Specialist **001997**
Howard County Health Department
Well & Septic Program

RE: **Nicholas Sharp, Sharp Farms – Lot 10 (3720 Sharp Road)**
F-19-048

DATE: 06/28/2019

The wells for the *Nicholas Sharp, Sharp Farms – Lot 10* subdivision have been drilled and received preliminary approval by the Health Department. The recordation of plat F-19-048 should not be held up any longer due to issues involving well drilling. The developer of this project has fulfilled this prerequisite.

If there are any questions, please contact me at 410-313-2643.

CC: File

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – DECEMBER 30, 2020

June 30, 2020

Homeowner
3720 Sharp Road
Glenwood, MD 21738

RE: Sharp Property, Lot 10
3720 Sharp Road
Building Permit: B19003473
Well Permit: HO-18-0071

Dear Homeowner:

This is to advise you that the septic system installation and water well construction for the above referenced property have been inspected and approved. Final approval of the septic system was granted on **3/20/2020**. Final approval of the well line connection to the dwelling was granted on **2/13/2020**. The well construction was completed on **6/14/2019**. Water samples were collected on **6/22/2020**.

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-18-0071. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

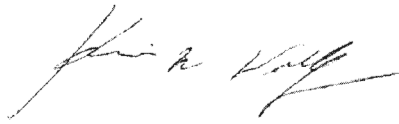
This Interim Certificate of Potability will expire **six months** from the date of issuance. Submission of a second bacteriological test indicating the water is free of coliform and fecal coliform bacteria is required prior to the expiration date, after which time a Final Certificate of Potability will be issued. **Failure to submit an additional sample and obtain a Final Certificate of Potability will result in a Notice of Violation and is punishable as a misdemeanor under the *Annotated Code of Maryland, Environment Article, 9-1311*, subject to a fine of up to \$500 or imprisonment not to exceed three months.**

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

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

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

Approving Authority,



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

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



Fredericktowne
ENVIRONMENTAL TESTING

Labs Inc.

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 - 4-1

Field Record

Site visit performed on: Monday, June 22, 2020 7:15 AM
by: Cristy Phelps State ID No. 0632CP
Affiliation: Fredericktowne Labs, Inc.
Property Owner: Crosen Homes
Property Address: 3720 Sharp Road
Glenwood, MD 21738
Sample Source: Pressure Tank
Treatment Devices Noted: No Treatment Devices
Well No.: HO-18-0071
Field pH: 7.7
Free Res. Cl.: <0.1 mg/l
Temp: 14.1° C

Laboratory Report

Sample Received at laboratory: 6/22/2020 8:10 AM

Bacteriological results:

<u>Total Colif. (/100ml)</u>	<u>E.coli. (/100ml)</u>	<u>Start</u> <u>Date</u> <u>Time</u>	<u>End</u> <u>Date</u> <u>Time</u>	<u>Method</u>	<u>Analyst</u>
<1	<1	06/22/20-11:25	06/23/20-06:37	9223B	KB

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	5.8 mg/l	10	6/22/2020	300.0	SR
Sand	<2 mg/l	5	6/23/2020	0.065mm Filter	KB
Turbidity	4.5 NTU	<10	6/22/2020	180.1	KB

Reported by:

Cristy Phelps 6/24/20
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



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Treatment Devices Noted: No Treatment Devices
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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	06/22/20-11:25	06/23/20-06:37	9223B	KB

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

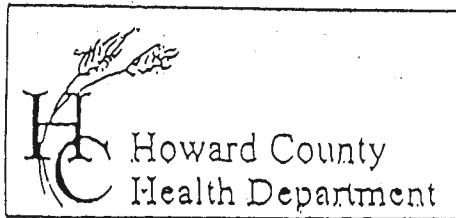
Inorganic Chemical results:

<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	5.8 mg/l	10	6/22/2020	300.0	SR
Sand	<2 mg/l	5	6/23/2020	0.065mm Filter	KB
Turbidity	4.5 NTU'	<10	6/22/2020	180.1	KB

Reported by:

Cristy Phelps 6/24/20
Name Date

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Maryland Cert. No. 116 Virginia Cert. No. 00444
MDOT WBE Cert. No.: 91-158



7178 Columbia Gateway Drive, Columbia, MD 21046

(410) 313-2640 Fax (410) 313-2648

TDD (410) 313-2323 Toll Free 1-866-313-6300

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:

Sharp Farms 10 3220 Sharp Rd
Subdivision/Property Name Lot# Road Name

☒ The well site has been staked by Fishert Collins & Carter
(professional land surveyor or company employing professional land surveyors)
on Apr 2019 (date) and does not require a site inspection.

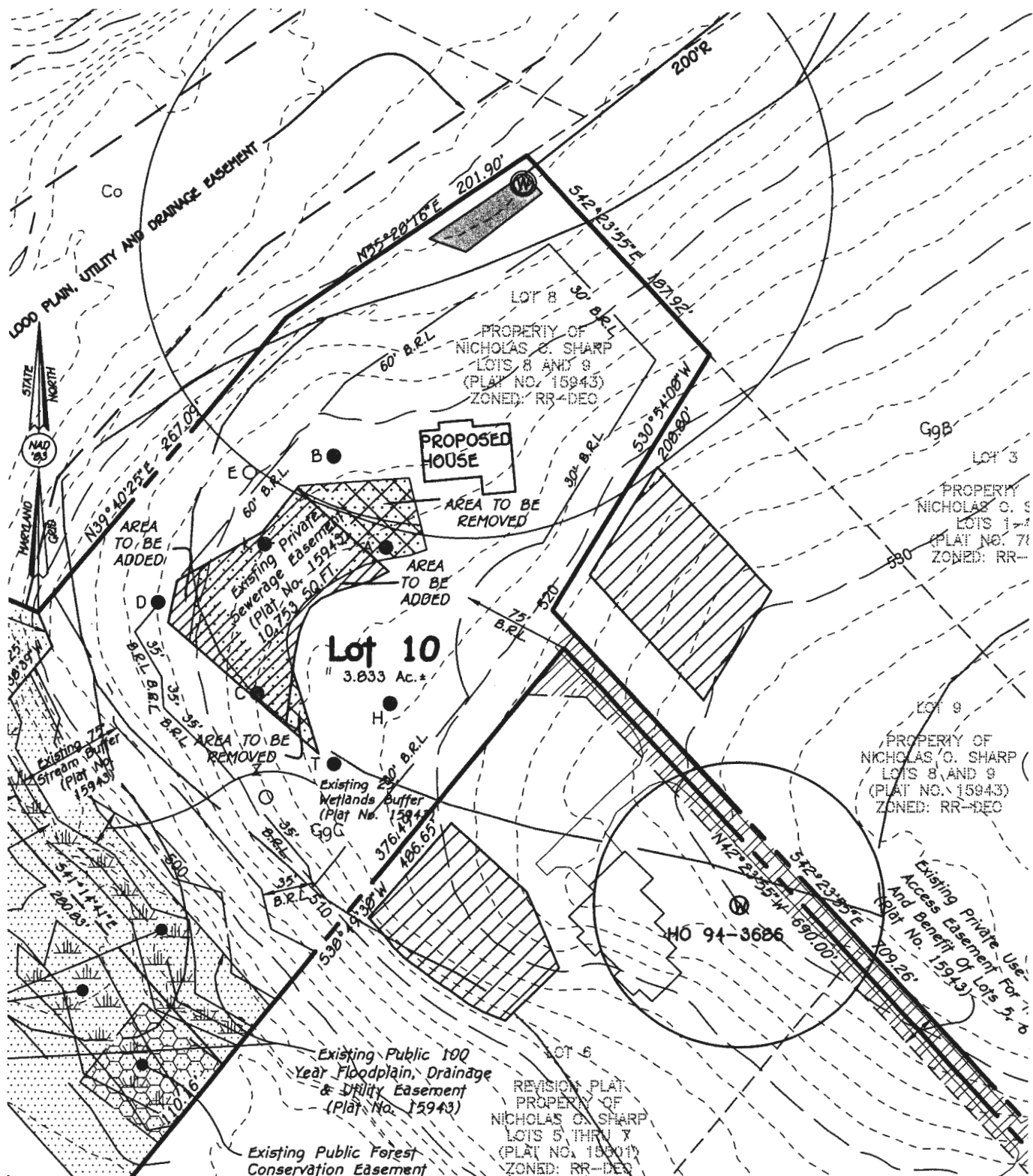
☐ The well driller, builder or property owner will call the Health Department to schedule a time to meet in the field to verify the proposed well site location.

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

Stephen Hochstetler (Owner)
814-441-1458

THE UNIVERSITY OF CHICAGO LIBRARY
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CHICAGO, ILL. 60637
U.S.A.



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

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

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

Company Name: POPS Well Pump & WT, LLC Telephone #: 410 795 5670
Address: 580 Obrecht Rd
Sykesville, MD 21784

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

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

Name (Print): David 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: Crosen Homes Telephone #: 443-324-4775
Subdivision: _____ Lot #: _____ Well Tag #: HO-18-0071
Site Address: 3720 Sharp Rd
Glenwood, MD 21738

Submersible Pump Data

Make: Grundfos
Model #: 155GFO7180
Pump Capacity: 15
Well Yield: 15

Depth of well encountered at time of pump installation: 225 (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 NA

Pitless Adapter

Make: Campbell+

Model#: NA

GPM Depth: 36" (36" min)

GPM NSF/WSC approved: YES

Well Cap and Electric Conduit

Two piece watertight cap: YES

Screened, vented well cap: YES

Cap secured to casing: YES

Conduit min 18" B.G.: YES

Conduit secured to well cap: YES

Piping to house

Type: poly pipe

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): 6'

Sleeve sealed properly: YES

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

Signature of company representative responsible for installation: [Signature] date 2/12/2020

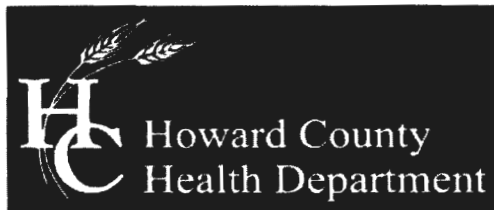
For Health Department Use Only - Not to be completed by Installer

Date Insp. Requested: 02/13/2020 Date Insp. Approved: 02/13/2020 Inspector: [Signature]

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

44" 02/13/2020 [Signature]
39" 02/13/2020 [Signature]
15" 02/13/2020 [Signature]

(Revised form 10/24/2018)

**Bureau of Environmental Health**

8930 Stanford Boulevard, Columbia, MD 21045

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

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Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer**APPLICATION FOR VARIANCE
TO COMAR ONSITE WATER/SEWER FOR MDE APPROVAL**

Date Submitted

3/29/2019**3720 NW SHARP RD GLENWOOD 21738**

Property Address

NICHOLAS O SHARP

Subdivision

10

Lot

21

Tax Map

12

Grid

200

Parcel

363132

Tax Account #

Provide a brief site history including previously submitted and active plans with the Health Department or the County (subdivision plans, perc test applications, Building Permit applications):

Health File-59308, Record Plat 15943. We have a new plat in review for a new lot 10.

In the area below, list the specific section of the Code of Maryland Regulations (COMAR) to which a variance is being requested and provide a brief summary of the regulation and an explanation of why the variance is being requested (Attach a separate sheet if necessary).

Regulation Section

Summary and Explanation

1. COMAR 26.04.02.05.B.(2)

Specifies that on-site sewage disposal system is to be located downgradient from a private water well. - Lot 10 well is 200' downgrade of lot 9 SDA

2. _____

Property Owner's Signature

Health Department Use Only

Reviewed by

HCHD Staff

Date

Recommendation:



Recommended

☐

Not Recommended

HCHD Supervisor

4/23/19

Date

Comments/Conditions:

- steel casing 50' depth or 10' into competent bedrock, whichever is deeper.

Approved by:

Steve Kreis - see attached
MDE Representative e-mail

4/23/19
Date

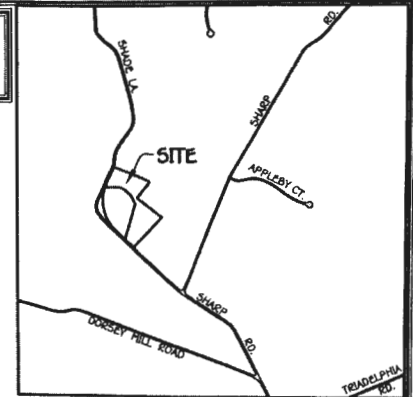
LEGEND

- EXISTING 2' CONTOURS
- EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- DENOTES EXISTING WELL
- DENOTES FAILED PERC
- DENOTES PASSED PERC
- DENOTES 1500 SQ.FT. ALTERNATE WELL SITE
- DENOTES PROPOSED WELL
- DENOTES PREVIOUS APPROVED PERC AREA
- DENOTES PREVIOUS APPROVED PERC AREA TO BE REMOVED

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

Barbara M. Moulton
COUNTY HEALTH OFFICER H.O.

4/29/2019
DATE



VICINITY MAP
SCALE: 1" = 1200'

GENERAL NOTES:

- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
- ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
- THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
- ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
- ALL WELLS SHALL BE DRILLED PRIOR TO FINAL PLAT RECORDATION. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENT DELAY" IF THE WELL DRILLING HOLDS-UP THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
- BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
- ANY CHARGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
- THE WELL ON LOT 11 HO-94-3334 HAS BEEN FIELD LOCATED AND IS ACCURATELY SHOWN.
- THE HAYLAND DEPARTMENT OF THE ENVIRONMENT HAS REVIEWED THE PROPOSED WELL AND SEWERAGE DISPOSAL AREA LOCATIONS ILLUSTRATED ON THIS PLAN AS RECOMMENDED BY THE HOWARD COUNTY HEALTH DEPARTMENT, AND HAS GRANTED A VARIANCE TO ALLOW THE WELL LOCATION ON NICHOLAS O. SHARP, LOT 10 TO BE DOWNGRADIENT OF THE SEWERAGE DISPOSAL AREA OF NICHOLAS O. SHARP, LOT 9, PURSUANT TO THE FOLLOWING CONDITIONS:
THE WELL WILL BE REQUIRED TO HAVE STEEL CASING TO A MINIMUM DEPTH OF 50 FEET, OR 10 FEET INTO COMPETENT BEDROCK, WHICHEVER IS DEEPER, AND BE AT LEAST 200 FEET DISTANCE FROM ANY SEPTIC SYSTEM DRAIN FIELD THAT IS UPGRADIENT.

Owner And Developer
(Lot 10, Property
Of Nicholas O. Sharp)

Nicholas O. Sharp
400 Morgan Station Road
Woodbine, Maryland 21797

Owner And Developer
(Lot 11, Sharp Farms)

Donald O. Crozen And
Leslie Sharp Crozen, Trustees
3785 Shady Lane
Glenwood, Maryland 21736

PERC CERTIFICATION
I certify that the locations shown herein are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.

Terrill A. Fisher 4/16/19
Signature of Professional Land Surveyor
TERRILL A. FISHER, PROFESSIONAL LAND SURVEYOR, 10698, Expires 12/12/19

FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING, CONSTRUCTION & LAND SURVEYING
CENTRAL SQUARE OFFICE PARK - 10776 BALTIMORE NATIONAL PIKE
ELLSWORTH CITY, MARYLAND 21117
(410) 461-1299

SOILS LEGEND

SOIL	NOTE	CLASS
Cu	Cadogan and Haffers all loams, 0 to 3 percent slopes	C
GpL	Glenale loam, 0 to 3 percent slopes	B
GpH	Glenale loam, 3 to 6 percent slopes	B
GpC	Glenale loam, 6 to 15 percent slopes	B
GmL	Glenale all loam, 0 to 3 percent slopes	C
Hs	Haffers-Cadogan all loams, 0 to 3 percent slopes	D

PERC RECERTIFICATION PLAT
Property Of Nicholas O. Sharp
Lot 10 And
Sharp Farms
Lot 11

TAX MAP #21

4TH ELECTION DISTRICT

SCALE: 1" = 100'

PARCEL: 198 & 200

HOWARD COUNTY, MARYLAND

DATE: APRIL 16, 2019