

C1 54345

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

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-8 ON ALL CARDS)

ST/CO USE ONLY

DATE RECEIVED 01/18/19

DATE WELL COMPLETED 08/30/19

DEPTH OF WELL 500 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 18-0104

OWNER Kim James, WELL SITE ADDRESS 2709 Hitching Post Rd, TOWN Clarksville, SUBDIVISION, SECTION, LOT

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, FEET (FROM, TO), check if water bearing. Rows include Overburden, Soft Shelly Rock, and Gray Rock.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y/N), TYPE OF GROUTING MATERIAL (CEMENT/BENTONITE CLAY), NO. OF BAGS, NO. OF POUNDS, GALLONS OF WATER, DEPTH OF GROUT SEAL

CASING RECORD

MAIN CASING TYPE (ST/PL), Nominal diameter top (main) casing, Total depth of main casing

OTHER CASING (if used)

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

SCREEN RECORD

screen type or open hole (ST/BR/PL/HO), insert appropriate code below

DEPTH (nearest ft.) HO 114 500, 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) T (E.R.O.S.) W O

TELESCOPE CASING, LOG INDICATOR, OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 6, PUMPING RATE (gal. per min.) 0.81, METHOD USED TO MEASURE PUMPING RATE, WATER LEVEL (distance from land surface) BEFORE PUMPING 41 ft, WHEN PUMPING 4.31 ft, TYPE OF PUMP USED (for test) 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 S, PLACE (A,C,J,P,R,S,T,O) IN BOX 28, CAPACITY: GALLONS PER MINUTE (to nearest gallon) 10, PUMP HORSE POWER 1, PUMP COLUMN LENGTH (nearest ft.) 480, CASING HEIGHT (circle appropriate box and enter casing height) 2 (nearest foot)

LATITUDE 39.186390, LONGITUDE 76.908469 (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.

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

OWNER INFORMATION
 Date Received (APA) 07/10/11
 8 MM DD YY 13
 15 Last Name Kim Owner James First Name James 34
 36 Street or RFD 6707 Hitchling Post Rd 55
Clarksville MD 21029
 57 Town Clarksville 70 State MD 72 Zip 21029 76

B 3 LOCATION OF WELL
Howard COUNTY 21
Clarksville Ridge SUBDIVISION 42
 SECTION 44 LOT 21 50
Clarksville NEAREST TOWN 71

DRILLER INFORMATION
Haurice Dixon M JD 066 Driller's Name 76 License No. 81
Carroll Water Systems Firm Name
12047 Falls Rd. Cockeysville Address
Sarah E. Dixon 7/10/11 Signature Date

B 4 SOURCES OF DRILLING WATER
 1. Public
 2. Public
 3. Public
6707 Hitchling Post Rd STREET ADDRESS 30
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)
 NORTH WEST EAST SOUTH
 34 170 37 DISTANCE FROM ROAD
 ENTER FT OR MI 38 39
 TAX MAP: 035 BLK: _____ PARCEL 0182

B 2 WELL INFORMATION
 APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12
 AVERAGE DAILY QUANTITY NEEDED 520 (GAL. PER DAY) 14 20

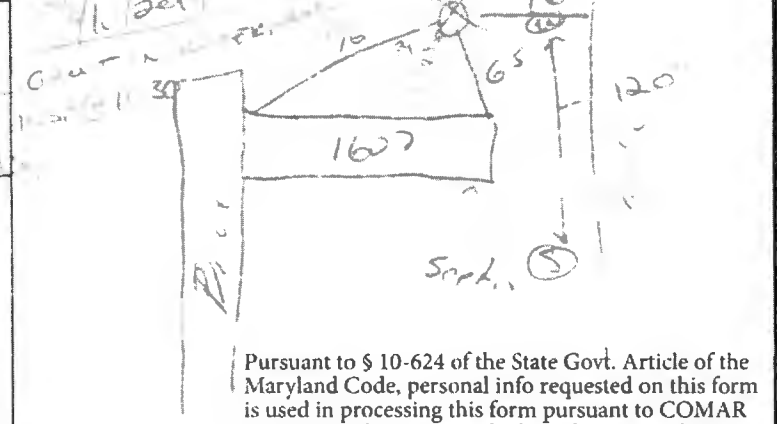
USE FOR WATER (CIRCLE APPROPRIATE BOX)
 DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION
 FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)
 INDUSTRIAL, COMMERCIAL, DEWATERING
 PUBLIC WATER SUPPLY WELL
 TEST, OBSERVATION, MONITORING
 OPEN LOOP GEOTHERMAL
 CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL
Howard COUNTY NAME 21 COUNTY NO.
 STATE SIGNATURE _____ INSERT S → 41
 DATE ISSUED 07/10/11 CO SIGNATURE _____ EXP. DATE _____
 43 MM DD YY 48

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

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
AIR-ROTARY AIR-PERCussion ROTARY (Hydraulic Rotary)
 30
 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
 39
 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. HC-18-0104
 70 71 72 73 74 75 76 77 78 79

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.

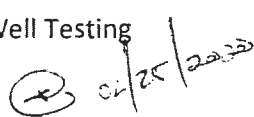
Maura J. Rossman, M.D., Health Officer

MEMORANDUM

TO: Home Owners
6707 Hitching Post Court
Clarksville, Maryland 21029

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

RE: Replacement Well Testing

DATE: 02/25/2020 

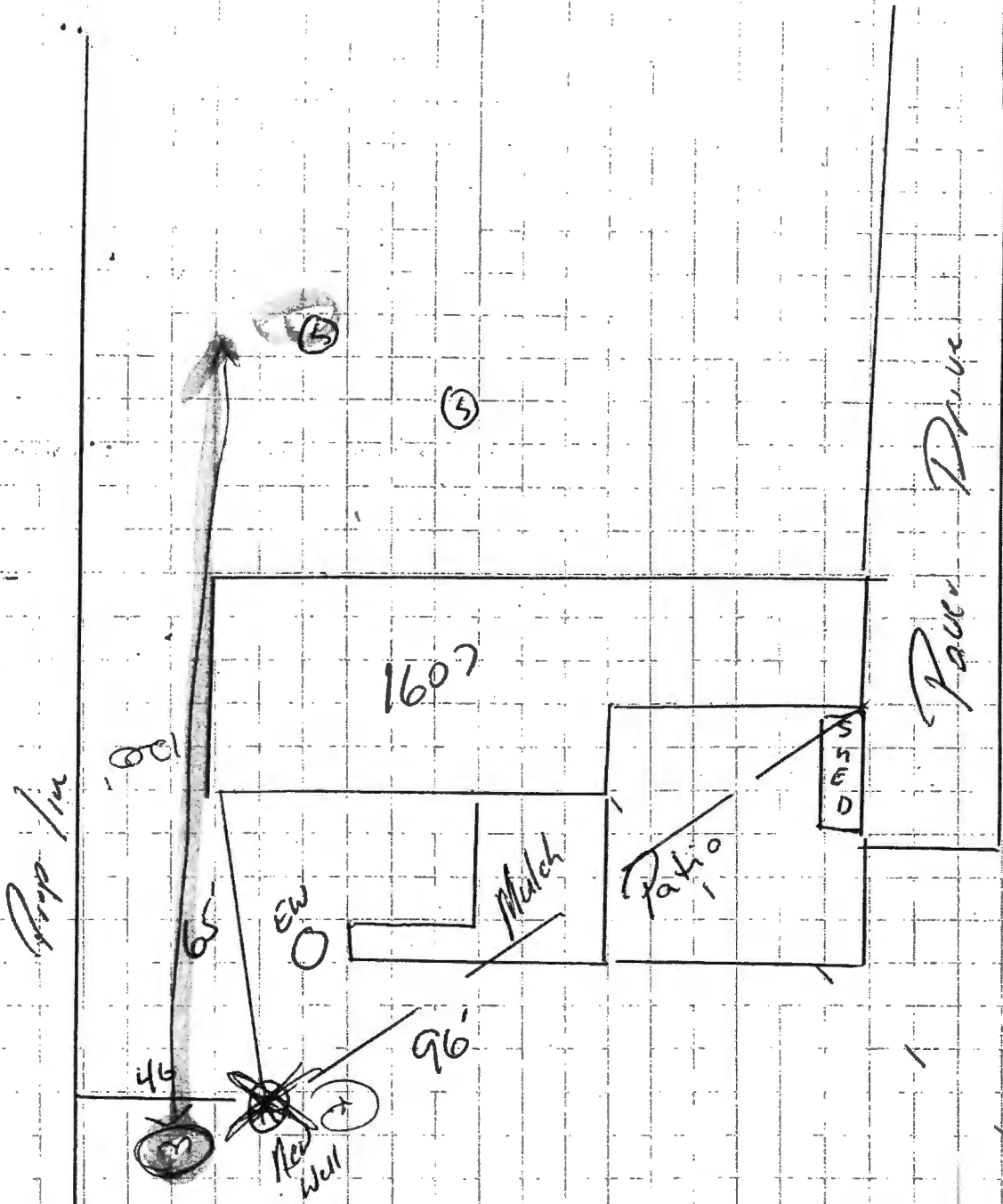
Dear Home Owners,

Be advised that we have no records that the replacement well (HO-18-0104) received water testing. Furthermore the well is tied and in tandem use with an existing well.

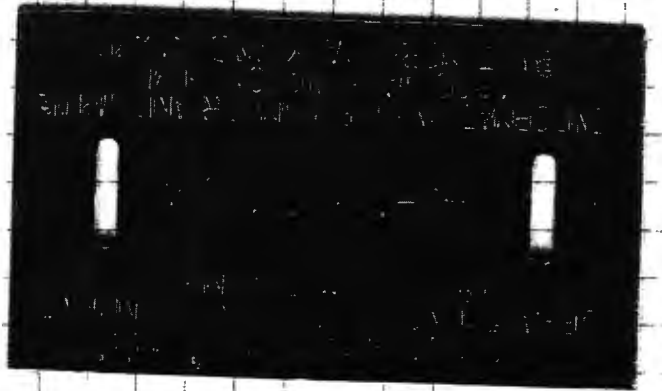
Both wells are recommended to be shocked and tested for potability. The property will be flagged in the system for outstanding testing.

Please call 410-313-1773 to set up an appointment for water testing.

GETTING HITTING POST
 APPROVED & Labeled by
 WELL SITE MOVED BY
 DRIVER TO NEW LOC
 SAVED BY DRIVER



Over
 near
 etc.



CARROLL WATER SYSTEMS

12047 FALLS ROAD
COCKEYSVILLE, MD 21030
410-876-5100

HOWARD COUNTY YIELD TEST REPORT

Date Test Performed: 08-22-19
Address: 6707 Hitching Post Court
Owner Name: James Kim
Well Depth: 500 Ft

Permit Number: HO-18-0104
Subdivision:
Election District:
Static Water Level: 41 Ft

Time	Water Level	PSI Existing Pump	Pumping Rate Seconds to fill 1 Gallon bucket	Calculated Flow-Gallons Per Minute
0845	41 ft		6 sec	10.00
0900	150		9	6.67
0915	235		12	5.00
0930	314		25	2.40
0945	412		37	1.62
1000	430		74	0.81
1015	430		74	0.81
1030	430		74	0.81
1045	430		74	0.81
1100	431		74	0.81
1115	431		74	0.81
1130	431		74	0.81
1145	431		74	0.81
1200	430		74	0.81
1215	431		74	0.81
1230	430		74	0.81
1245	431		74	0.81
1300	431		74	0.81
1315	431		74	0.81
1330	431		74	0.81
1345	431		74	0.81
1400	431		74	0.81
1415	431		74	0.81
1430	431		74	0.81
1445	431		74	0.81
1500	431		74	0.81
1515	431		74	0.81
1530	431		74	0.81
1545	431		74	0.81



7/24/2024 - Ex well, no tag
well location. not included
in plan. (SP/MB)

Williams, Jeffrey

From: jcarney@bei-civilengineering.com
Sent: Monday, February 5, 2024 11:05 AM
To: Williams, Jeffrey
Subject: RE: 6707 Hitching Post

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

Jeff, thank you. Yes, please add the note. I will have to clean out the voicemail box, I must be avoiding too many people (you're not one of them).

I thought they were applying for the building permit a few weeks ago. I'm not really involved in that process but I thought the architect had mentioned that. I'll look into it. Thanks, John

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Monday, February 5, 2024 10:52 AM
To: jcarney@bei-civilengineering.com
Subject: RE: 6707 Hitching Post

Hi John. I tried to call but your voicemail was full. We asked MDE for guidance on this one, which caused the delay. They are onboard with us not requiring establishment of repair area before approving the addition as shown. They are also ok with us leaving the drywells as long as there is capacity. They even said that replacement of the septic tank is recommended, but not required. I think we discussed that the owners wanted to replace to make sure they were ok. We would recommend that the drywells be filled with stone and vertical perforated pipe if they still have capacity. If we find them full, we will want them abandoned. I can add notes to the OSDS plan to that effect.

Do we not have a building permit yet?

From: jcarney@bei-civilengineering.com <jcarney@bei-civilengineering.com>
Sent: Tuesday, January 23, 2024 2:19 PM
To: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Cc: 'Dan deBettencourt' <ddebettencourt@gmail.com>
Subject: RE: 6707 Hitching Post

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

Jeff, thank you for reaching out. So when I was reviewing the lot file I noticed that it did not direct the contractor to abandon the dry wells and the diagram shows lines from the Distribution Box to them. I looked at the instant street view and I can see three cleanouts. This makes me think they were not abandoned and are still in place, providing whatever disposal the soils allow.

I was a little concerned about the new distribution box elevation. We are now raising the distribution box to 419.5 and existing grade above the lower dry well is 421.0. I still think that if the dry well is full the flow would be 100% to the trench and not out of the ground above the dry well, the dry wells are deep. That is assuming the dry wells weren't abandoned.

I hesitate to remove them if they are still there and connected because they could be providing some disposal capacity, especially the left one. I wish I had more info regarding the failure. Give me a call to discuss.

The plan is to rebuild on the existing footprint. Above the existing sunroom they are going to add to the primary bedroom, an area less than 250 sf, something like 237 sf. This will not be increasing the number of bedrooms. I have attached the two floor plans from the architect for you to review. If you need paper copies I can get them to you obviously.

Let me know your thoughts and we can discuss the dry wells. Thanks, John

John M. Carney, P.E.
Benchmark Engineering, Inc.
3300 North Ridge Road, Suite 140
Ellicott City, MD 21043
410-465-6105 ext. 1152

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Tuesday, January 23, 2024 12:04 PM
To: John Carney (jcarney@bei-civilengineering.com) <jcarney@bei-civilengineering.com>
Subject: 6707 Hitching Post

Hi John. I looked at the OSDS plan you submitted for this property. You don't label the two drywells as to be abandoned. I'm wondering if that is your plan or trying to keep them? I'm assuming they're not functional since they did a repair in '00 to add the trench. Also, do you know if their plan is to rebuild pretty much the same house as was there before? I don't think I heard back from the owners on what they wanted to do.

Jeff Williams
Deputy Director
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
410-313-4261
www.hchealth.org

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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: Carroll Water Systems Telephone #: 888-981-9712
 Address: 12047 Falls Rd Cockeysville MD 21030

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer
 License # and name of individual responsible for the field installation:

Name (Print): Skyler Rossman License# AWD151

***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: Elizabeth + Noah Green Telephone #: _____
 Subdivision: _____ Lot #: _____ Well Tag #: HO-18-0124
 Site Address: 6707 Hitching Post Ct

Ex: Submersible Pump Data
 Make: _____
 Model #: _____
 Pump Capacity _____
 Well Yield: _____
 Depth of well encountered at time of pump installation: _____ (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

Ex: Pitless Adapter
 Make: _____ +
 Model #: _____
 GPM Depth: _____ (36" min)
 GPM NSF/WSC approved: _____

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

Ex: Piping to house
 Type: _____
 PSI: _____ (160 psi min)
 Depth of supply line: _____ (36" min)

Ex: House Connection
 PVC sleeve to undisturbed soil at wall penetration: _____
 Length of sleeve (5' minimum from foundation): _____
 Sleeve sealed properly: _____

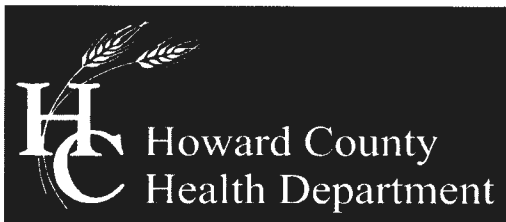
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] date: 8/23/24

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

Date Insp. Requested: <u>8/23/2024</u>	Date Insp. Approved: <u>8/23/2024</u>	Inspector: <u>MWSP</u>
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade		<u>✓</u>
Two piece cap installed and attached to casing securely		<u>N/A</u>
Elec. conduit extends at least 18" below grade/attached to cap properly		<u>" "</u>
Safety rope not outside of well cap/casing		<u>" "</u>
Correct well tag attached properly and casing 8" above finished grade		<u>" "</u>
Water supply line sleeved adequately at house connection		<u>" "</u>
Adequate grout observed below pitless adapter		<u>" "</u>

(Revised form 10/24/2018)



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

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

August 21, 2024

RE: Replacement Well Sampling & Abandonment
Elizabeth & Noah Green
6707 Hitching Post Court
Clarksville, MD 21029
Well Permit # HO-18-0104

Elizabeth & Noah Green,

Thank you for your ongoing efforts in abandoning your old well (no tag). Carroll Water will be abandoning the well on 8/23/2024, and we will be onsite to confirm the process. This confirmation will provide the approval for you to proceed with septic system construction.

As discussed over the phone, water test results are required from a primary indoor drinking tap. The Health Department advises shocking your well if you haven't done so already, followed by testing for potability.

If sampling has already been performed by an outside lab, please help us by forwarding the results of the samples to our office. If you have any further questions, you can call me at 410-313-1789. Otherwise, call Community Hygiene at 410-373-1773 to schedule or arrange for them to collect the subsequent water samples.

Respectfully,

A handwritten signature in black ink, appearing to read 'Shepsura Page', written over a light blue horizontal line.

Shepsura Page
Environmental Health Specialist
Howard County Health Department
Well and Septic Program

Page, Shepsura

From: jcarney@bei-civilengineering.com
Sent: Friday, July 26, 2024 7:19 AM
To: Williams, Jeffrey
Cc: nhg432@gmail.com; eaennisl@gmail.com; Page, Shepsura; Burns, Matthew; Silvast, Zackary
Subject: RE: 6707 Hitching Post

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

Jeff, thank you for reaching out. I think we will be working with the owners to submit a variance request. The 18 well yielded 0.81 gpm when it was drilled. I assume they left the old well and used it in tandem to achieve 1.0 gpm. I've added the well location to the plan. I will cover the steps with the owners and get the sampling done as soon as possible. Thanks, John

From: Williams, Jeffrey <jewilliams@howardcountymd.gov>
Sent: Thursday, July 25, 2024 3:45 PM
To: John Carney (jcarney@bei-civilengineering.com) <jcarney@bei-civilengineering.com>
Cc: nhg432@gmail.com; eaennisl@gmail.com; Page, Shepsura <spage@howardcountymd.gov>; Burns, Matthew <mburns@howardcountymd.gov>; Silvast, Zackary <zsilvast@howardcountymd.gov>
Subject: 6707 Hitching Post

Hey John. We came across an issue with this property when we were out with the contractor for the tank replacement. There is an old well not shown on the design plan that is tied in with the 18 tag well. The old well is about 24' straight off the back middle of the house, which puts it about 80' from the proposed tank and about 90 feet from one of the drywells. There are a couple things you can do about it to move forward:

1. You could propose to abandon and seal the old well and proceed with the site plan
2. You could request a variance from MDE for the distance from the old well to the components. I'm not sure whether they would approve it, but these are existing conditions. This would be a variance form signed by the homeowner. A blank copy is attached.
3. We can't just abandon one of the drywells because I think both are needed for capacity. The only other thing on the septic side would be to do perc testing to do a whole new drainfield.

In addition, it looks like we never got water test results when they did the replacement well. We will need potability testing on the well(s) prior to U&O. If you are going to request the variance, we would likely look for that now in advance of variance consideration. FYI, I'll be out of the office next week so if you propose something before then, you can coordinate with Shepsura, who is handling the septic permit. Thanks

Jeff Williams
Deputy Director
Bureau of Environmental Health
Howard County Health Dept.
8930 Stanford Blvd. Columbia, MD 21045
410-313-4261
www.hchealth.org

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

MEMORANDUM

September 3rd, 2019

Home Owner

RE: **Replacement Well Sampling**
6707 Hitching Post Court
Clarksville, MD 21029
Well Permit # HO-18-0104

09/03/2019
to Maura

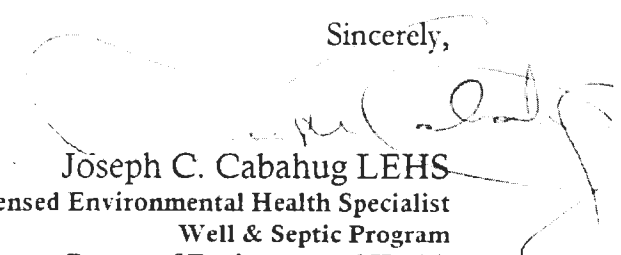
Dear Homeowner:

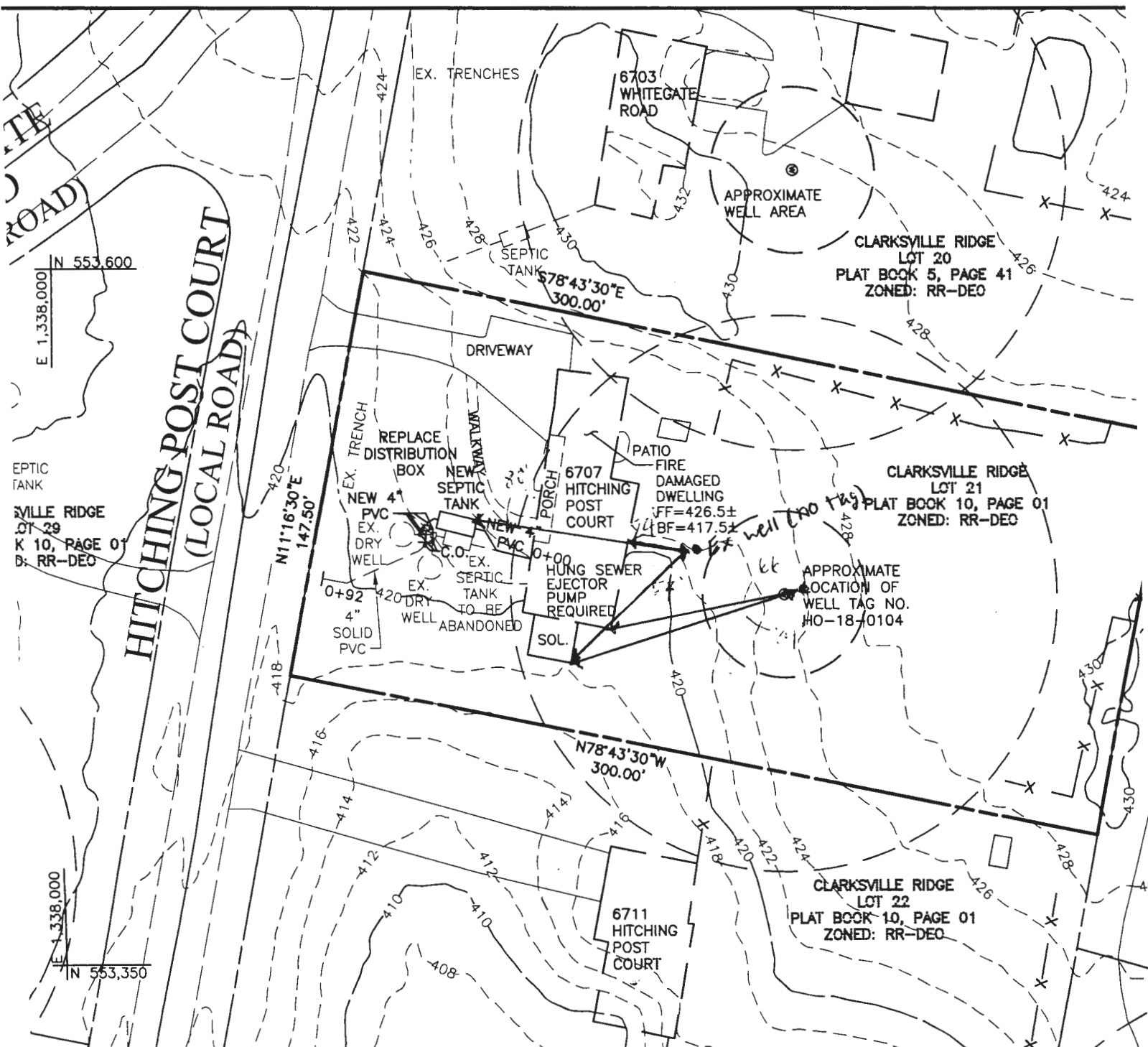
According to our records, your replacement well is proposed to be connected to the dwelling. We request that you contact the Community Hygiene Program at (410) 313-1773 to schedule initial water sampling for the above referenced replacement well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). This sampling includes testing for bacteria, nitrates, turbidity, and sand.

It is preferred that the sample be collected from the primary indoor drinking tap, but if suitable scheduling is not possible, the sample may be taken from an outside tap to complete your sampling obligation. However, the potential for unsuccessful sample results increases when samples are collected from taps exposed to the outside environment.

If sampling has already been performed by an outside lab, please help us by forwarding the results of the samples to our office. If you have any further questions, you can call me at 410-313-2643. Otherwise, call Community Hygiene at 410-313-1773 to schedule or arrange for them to collect the subsequent water samples.

Sincerely,


Joseph C. Cabahug LEHS
Licensed Environmental Health Specialist
Well & Septic Program
Bureau of Environmental Health



PLAN VIEW

1" = 50'



(IN FEET)
1 inch = 50 ft.



Professional Certification. I hereby certify that these documents were prepared by me, and that I am a licensed professional engineer under the laws of the State of Maryland, License No. 45577, Expiration Date: 06/01/2018

John M. Carney

OWNER:
NOAH AND ELIZABETH GREEN
6707 HITCHING POST COURT
CLARKSVILLE, MARYLAND 21029
410-718-8357

BENCHMARK
ENGINEERS ▲ LAND SURVEYORS ▲ PLANNERS
ENGINEERING, INC.
3300 NORTH RIDGE ROAD ▲ SUITE 140
ELLCOTT CITY, MARYLAND 21043
(P) 410-485-6105 ▲ (F) 410-485-6644



8/23/24 -
Received PICS of work done
by Plumber. (SP)

FILE INQUIRY NOTES

DATE	RESULTS OF REVIEW FOR FILE
7/25/24	Phone conversation w/ Elizabeth Green. Additional well
	found on-site is tied in tandem w/ Ex well.
	Both wells currently in use. (P)