

OK 2/10/26 MB

B 1 79031

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40 - 25 - 0065

fill in this form completely

590255 please type

OWNER INFORMATION: Date Received (APA) 10/31/25, Last Name: Mick, Owner: David, Street or RFD: 7618 Brown Bridge, Town: Highland MD, State: 20777

LOCATION OF WELL: COUNTY: Howard, SUBDIVISION: Greenwood Farm, SECTION: 44-46, LOT: 48-50, NEAREST TOWN: Highland MD, 20777

DRILLER INFORMATION: Driller's Name: Larry Mays, License No.: M S D 0227, Firm Name: Mays Well Drilling LLC, Address: 6501 Butts Rd, State: MD, Date: 10-27-25

SOURCES OF DRILLING WATER: 1. well, 2. 1/21/26 Driller 15' 70' d.m., 3. 3/22/26 40' 48' casing

STREET ADDRESS: 7618 Brown Bridge Rd., DISTANCE FROM ROAD: 140 FT, TAX MAP: 0040 BLK: 6017 PARCEL: 0157

WELL INFORMATION: APPROX. PUMPING RATE (GAL. PER MIN.): 5, AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY): 500

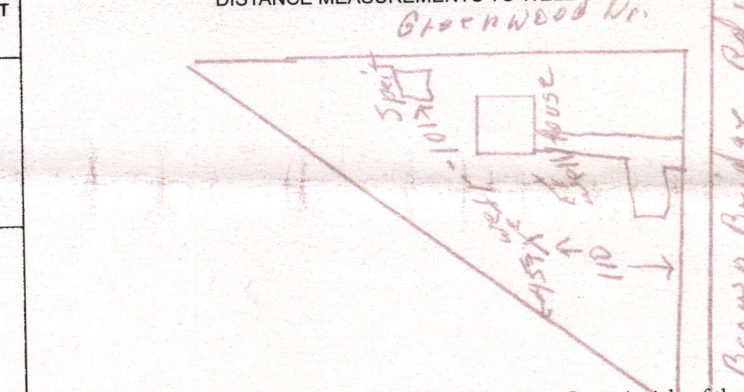
NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL: COUNTY NAME: Howard, COUNTY NO.: 13, DATE ISSUED: 01/10/25, CO SIGNATURE: [Signature], EXP. DATE: 11-10-26

USE FOR WATER (CIRCLE APPROPRIATE BOX): [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

APPROXIMATE DEPTH OF WELL: 300 FEET, APPROXIMATE DIAMETER OF WELL: 6 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

METHOD OF DRILLING (circle one): BORED (or Augered) AIR-ROTary, JETTED AIR-PERCussion, Jetted & DRIVEN ROTARY (Hydraulic Rotary)



REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): [Y] THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER: G, PERMIT No.: 40-25-0065

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.

SPECIAL CONDITIONS: NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. Please get traffic of all drilling units to old well to be abandoned. Robert Sumner regis-KMA

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: Fogle's Well Pump + Water Treatment, LLC Telephone #: 410-795-1535
 Address: P.O. Box 63
 Woodbine, Maryland 21797

Must circle one: Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer
 License # and name of individual responsible for the field installation:
 Name (Print): Dave 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: David Irick Telephone #: _____
 Subdivision: _____ Lot #: _____ Well Tag #: HO-25-0065 ✓
 Site Address: 7618 Browns Bridge Rd
Highland, MD 20777

Submersible Pump Data
 Make: Goulds
 Model #: 7H50S42Z
 Pump Capacity: 7
 Well Yield: ?

Pitless Adapter
 Make: Campbell
 Model#: N/A
 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

Depth of well encountered at time of pump installation: 200 (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. N/A

Piping to house

Type: 1" poly pipe
 PSI: 200 psi (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: 3/18/2026

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

Date Insp. Requested: 3/18/26 Date Insp. Approved: 3/19/26 Inspector: _____
 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

MP
 ✓ 36"
 ✓ 32"
 ✓ 20"
 ✓ 11"

* Contractor Connected to Pit wall line 2.5' below grade. OK per KW. (MP)



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

MEMORANDUM

March 19, 2026

David Irick
7618 Browns Bridge Rd
Highland, MD 20777

RE: **Well Sampling**
7618 Browns Bridge Rd
Highland, MD 20777
Well Permit # HO-25-0065

Dear David Irick:

Your replacement well has been connected to the dwelling on March 19, 2026. We request that you contact the Community Hygiene Program at **(410) 313-1773** to schedule initial water sampling for the above referenced well, as required by the Maryland Well Construction Regulation (COMAR 26.04.04). This sampling includes testing for bacteria, nitrates, turbidity, and sand. There is currently **no charge** for the sampling and it is to your benefit to have it tested.

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,



Matthew Burns – LEHS
Environmental Health Specialist
Howard County Health Department
Well and Septic Program



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

February 10, 2026

David Irick
7618 BROWNS BRIDGE RD
Highland 20777

RE: 7618 BROWNS BRIDGE RD
Highland 20777
Replacement Well
Well Tag: HO-25-0065
(Radium – Gross Alpha/Beta)

Dear David Irick;

A sample was collected during a yield test on January 22, 2026 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from the yield screening revealed a **Gross Alpha** of 50.8 ± 5.4 picocuries/liter (pCi/L); while the **Gross Beta** level was 28.5 ± 3.3 pCi/L. *During the laboratory's secondary screening to confirm the test results, the **Gross Alpha** level was 54.9 ± 5.6 picocuries/liter (pCi/L); while the **Gross Beta** level was 33.1 ± 3.6 pCi/L. For both screenings, the **Gross Alpha** result was above the maximum contaminant level (MCL) of 15 pCi/L, while the **Gross Beta** level (slightly above normal) was below the targeted value of 50 pCi/L*

At the time of testing and with respect to these parameters, the future well water supply does not meet EPA regulatory standards for Gross Alpha and Gross Beta. Installation of a water softener and/or reverse osmosis (R/O) point of use treatment device is required and additional testing **post-treatment** for **Gross Alpha, Gross Beta and Radium 226 / 228** will be needed. These tests will properly evaluate the effectiveness of the water treatment devices (i.e. water softener and/or O/R) to secure the construction and future Use & Occupancy approval. Given that it typically takes up to two months or more to perform and receive back the **Radium** analyses, plan accordingly.

However, please note that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy. If these tests or the above post-treatment Gross Alpha, Gross Beta and Radium 226 / 228 have already been completed by a private lab, please forward the results to our office.

A copy of our test results is enclosed for your information and records. Please call Matt Burns at 410-313-2643 if you have any further questions.

Sincerely,

Ramar Martin, Program Supervisor
Bureau of Environmental Health

Enclosure
cc: Property file



State of Maryland
 Department of Health
 LABORATORIES ADMINISTRATION
 1770 Ashland Avenue
 Baltimore, MD 21205
 Robert Myers, Ph.D., Director



Division of Environmental Sciences
 RADIATION LABORATORY
Certificate of Analysis

FINAL REPORT

HOWARD CO ENVIRONMENTAL HLTH
 8930 STANFORD BLVD
 COLUMBIA, MD 21045

Field ID: HC0065
 Submitted By: Matthew Burns
 Date Collected: 01/22/2026
Information in this section was not generated by the laboratory

Lab No: E2600152701
 Date Received: 01/22/2026

Sample Matrix: Drinking Water

<u>Radionuclide</u>	<u>Method</u>	<u>RL</u>	<u>MCL</u>	<u>Result</u>	<u>Error (±)</u>	<u>Units</u>	<u>Date Analyzed</u>
<u>Gross Alpha/Beta in Drinking Water</u>							
Gross Alpha	EPA 900.0*	3	15	50.8	5.4	pCi/L	01/23/2026
Gross Beta	EPA 900.0*	4	50	28.5	3.3	pCi/L	01/23/2026
<u>Gross Alpha/Beta in Drinking Water Confirmation</u>							
Gross Alpha	EPA 900.0*	3	15	54.9	5.6	pCi/L	01/23/2026
Gross Beta	EPA 900.0*	4	50	33.1	3.6	pCi/L	01/23/2026

Approved by: *Wernisha Treese* Approval date: 01/28/2026

OK MD 4/14/26

 WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: 3-24-2026 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) none

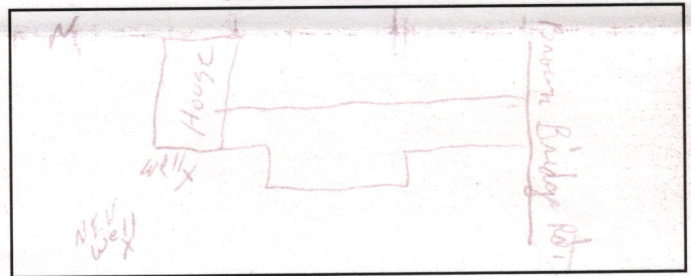
* PERMIT NUMBER OF REPLACEMENT WELL: 40-25-0065

* PERSON ABANDONING WELL: Suzay Mays WELL DRILLER'S LICENSE NUMBER: 027
 CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: David Irick

SITE LOCATION MAP

* WELL LOCATION:
 COUNTY: Howard
 NEAREST TOWN: Highland Md. 20777
 TAX MAP _____ BLOCK _____ PARCEL _____
 SUBDIVISION: _____
 SECTION: _____ LOT: _____
 STREET ADDRESS: 7618 Brown Bridge Rd.



LATITUDE 3 9 . 15960 - -

LONGITUDE 7 6 . 94851 - -

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement</u>	<u>0</u>	<u>60</u>
VOLUME OF MATERIAL USED		
<u>Cement 15 Bags</u>		

* TYPE OF WELL BEING ABANDONED:
 DRILLED JETTED
 BORED HAND DUG
 OTHER (specify) _____

* USE CODE:
 DOMESTIC MUNICIPAL/PUBLIC
 IRRIGATION INDUSTRIAL
 TEST/OBSERVATION GEOTHERMAL

* TYPE OF CASING:
 STEEL PLASTIC
 CONCRETE OTHER (specify) _____

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 60 FEET DEEP

WAS ANY CASING REMOVED? YES NO
 If yes, length removed, in feet: _____

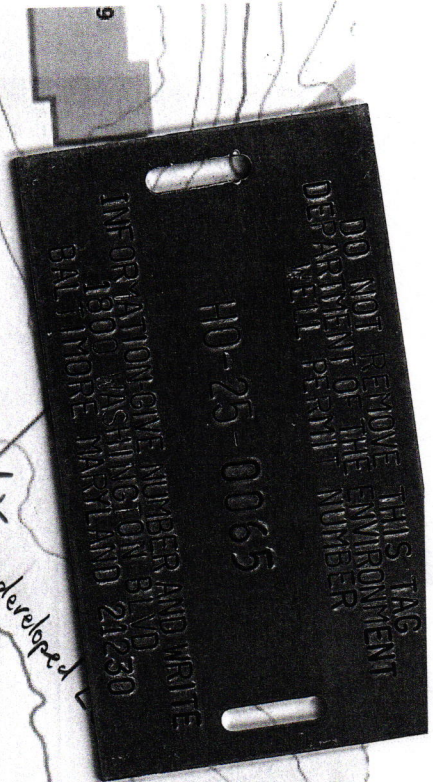
WAS CASING RIPPED OR PERFORATED? YES NO

Suzay Mays 027
 SIGNATURE-MASTER WELL DRILLER OR SUPERVISING SANITARIAN LICENSE#

MWD / MSD / MGS 3-24-2026
 CIRCLE ONE DATE

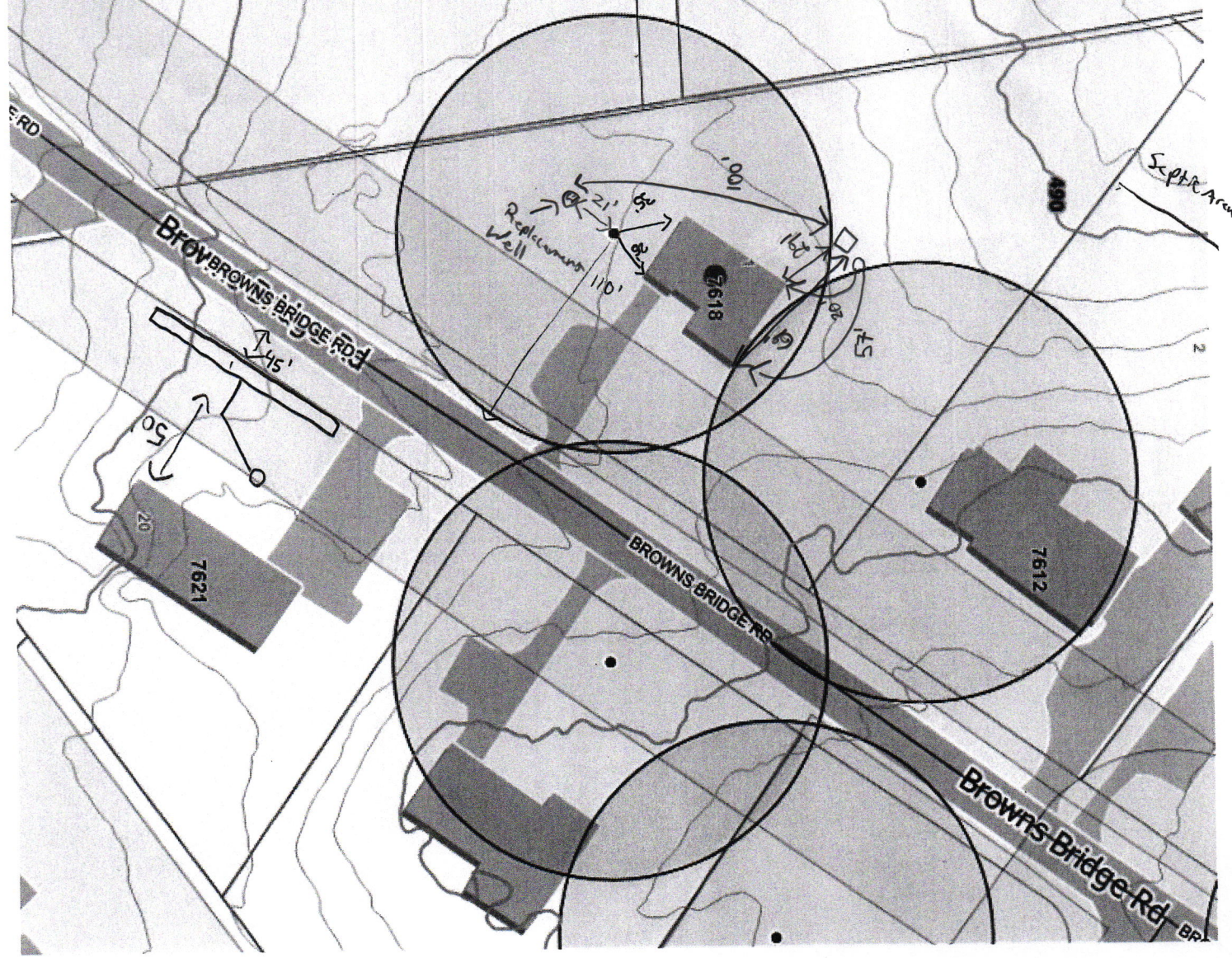
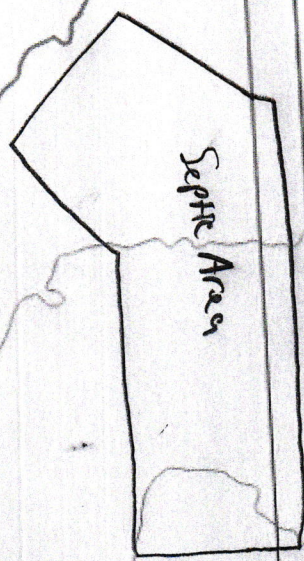
COUNTY

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.



* Well Site Approval * Underdeveloped
11-18-25 (60)

7724 Browns Bridge Rd



* Rollin T. A.

Re: 7618 Browns Bridge Rd - New well line installation

From Burns, Matthew <mburns@howardcountymd.gov>

Date Thu 3/19/2026 1:35 PM

To Dave Irick <dave_irick@yahoo.com>

Cc Wolf, Kevin <KWolf@howardcountymd.gov>

Hey David, following up about your replacement well's pipe line. The 2.5' depth is ok, I gave Fogles the OK to backfill. The Health department recommends that you install a water softener or reverse osmosis point of use treatment device to mitigate high gross alpha and beta levels found in your water. Fogles will be able to assist with this installation if you choose to install either of these devices.

With the install of these devices, we would then recommend post treatment water testing for gross alpha, gross beta, and radium 226/228.

Last thing- when Mayne Well drilling does the well abandonment for your pit well, have them break down the cinder block walls and dig below pit well floor also. If these cinder block walls and pit well floor were to remain as is, it will allow water to pool at the depth of your well line and may cause issues.

Kind regards,

Matt

Get [Outlook for iOS](#)

From: Burns, Matthew <mburns@howardcountymd.gov>

Sent: Wednesday, February 18, 2026 10:26:58 AM

To: Dave Irick <dave_irick@yahoo.com>

Cc: Wolf, Kevin <KWolf@howardcountymd.gov>

Subject: Re: 7618 Browns Bridge Rd - New well line installation

Good morning Dave,

As long as you're not ingesting, the water should be fine to use for laundry, shower, kitchen dishes and cleanup, flushing.

Kind regards,

Matt Burns, EH Specialist
Well & Septic Program | Howard County Health Department
8930 Stanford Blvd., Columbia, MD 21045

410-313-2643 (Office) | 410-313-2648 (Fax)

www.hchealth.org

mburns@howardcountymd.gov



From: Dave Irick <dave_irick@yahoo.com>
Sent: Tuesday, February 17, 2026 3:30 PM
To: Burns, Matthew <mburns@howardcountymd.gov>
Cc: Wolf, Kevin <KWolf@howardcountymd.gov>
Subject: Re: 7618 Browns Bridge Rd - New well line installation

WARNING!!!

This email originated from someone outside of Howard County
DO NOT CLICK LINKS OR OPEN ATTACHMENTS
unless you recognize the sender and know for sure that the content is safe

Thanks Matt - this helps a lot. I would like to ask about the water prior to disinfection. Can it be used in ways that would not involve ingesting it, such as laundry, shower, kitchen dishes and cleanup, flushing?

Bottled water, e.g. Deer Park, is in use for drinking and could be used for teeth brushing..

Thanks,

Dave

On Tuesday, February 17, 2026 at 02:04:41 PM EST, Burns, Matthew <mburns@howardcountymd.gov> wrote:

Good afternoon Dave,

Attached is the list of well drillers.

It's a big list- I'll narrow it down to a couple of company names that we've worked with regarding well line installations:

- Atlantic Blue Water Service
- Easterday-Wilson Water Services
- Fogle's Well Pump & Water Treatment

Prior to disinfection of your new well, your well water should be considered **not safe to drink.**

After the well line is installed, let Mayne Well Drilling know and they will come out to disinfect the well.

Per Maryland regulations, "...The Permittee shall disinfect [the] water supply well in accordance to COMAR 26.04.04.24"

Once the well line is connected, I will send you a letter asking you to contact the Community Hygiene Program within the Health Department so that you can schedule water testing for your well. We will test for bacteria, nitrates, turbidity, and sand.

The Health Dept. will test your well water for free, and it is to your benefit to have it tested.

To sum up the next steps:

1. Call a company and have them install the well line.
 - a. Inspection by the health dept is required (the companies I listed will know this, they will contact our office when they install the well line)
2. Let Mayne Well Drilling know that the well line has been hooked up. They will then:
 - a. Disinfect the new well
 - b. Abandon the old well

Let me know if you have any questions or concerns, and feel free to call if needed.

Kind regards,

Matt

Matt Burns, EH Specialist
Well & Septic Program | Howard County Health Department
8930 Stanford Blvd., Columbia, MD 21045
410-313-2643 (Office) | 410-313-2648 (Fax)
www.hchealth.org
mburns@howardcountymd.gov



7618 Browns Bridge Rd - New well line installation

From Burns, Matthew <mburns@howardcountymd.gov>

Date Tue 2/17/2026 2:04 PM

To dave_irick@yahoo.com <dave_irick@yahoo.com>

Cc Wolf, Kevin <KWolf@howardcountymd.gov>

 1 attachment (278 KB)

WELL DRILLERS updated 2-17-26.pdf;

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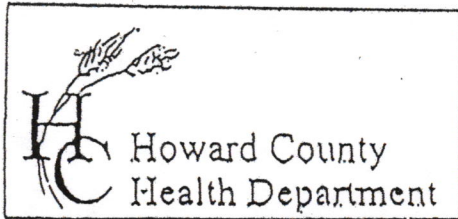
Let me know if you have any questions or concerns, and feel free to call if needed.

Kind regards,

Matt

Matt Burns, EH Specialist
Well & Septic Program | Howard County Health Department
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www.hchealth.org
mburns@howardcountymd.gov





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

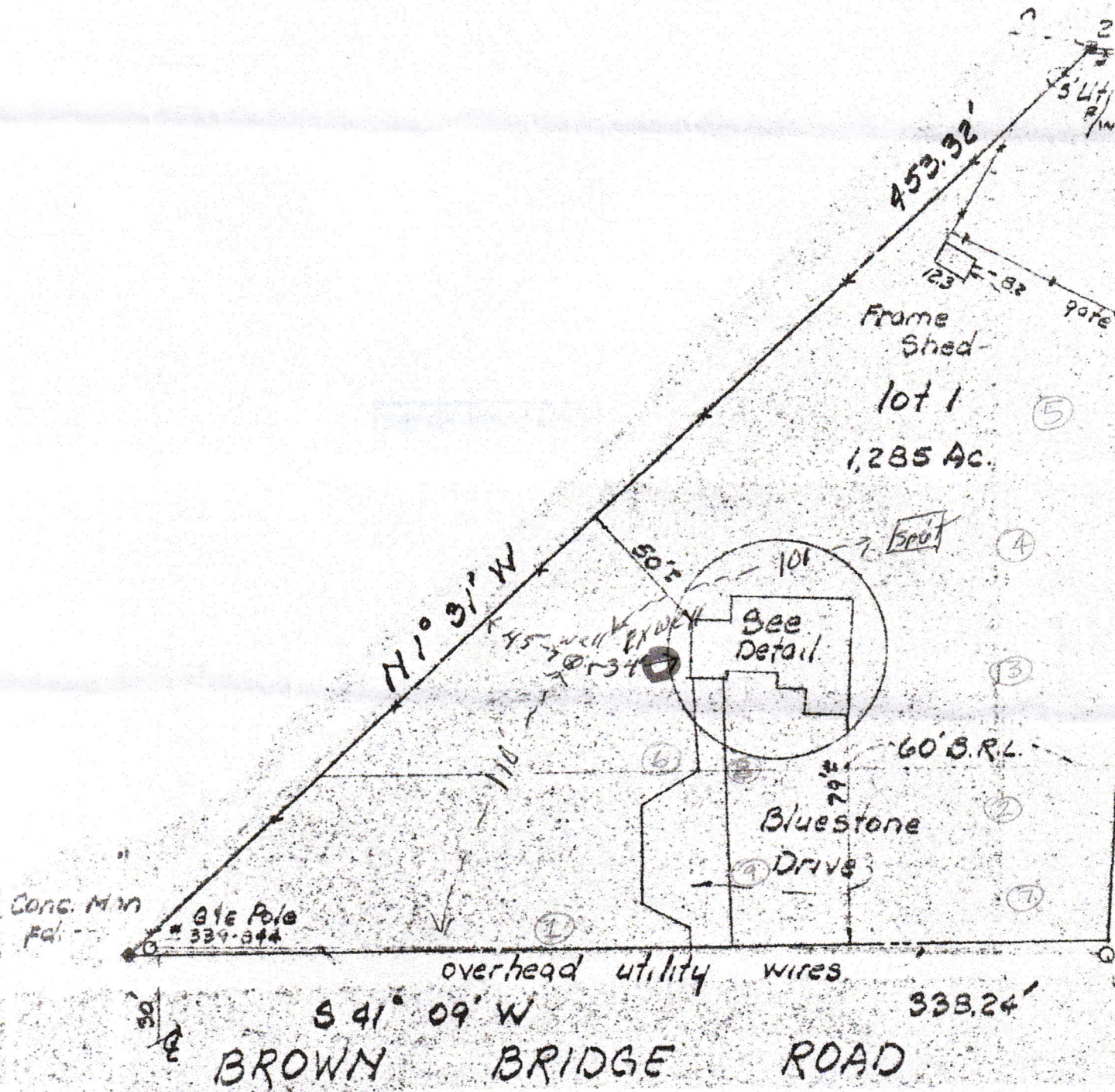
When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

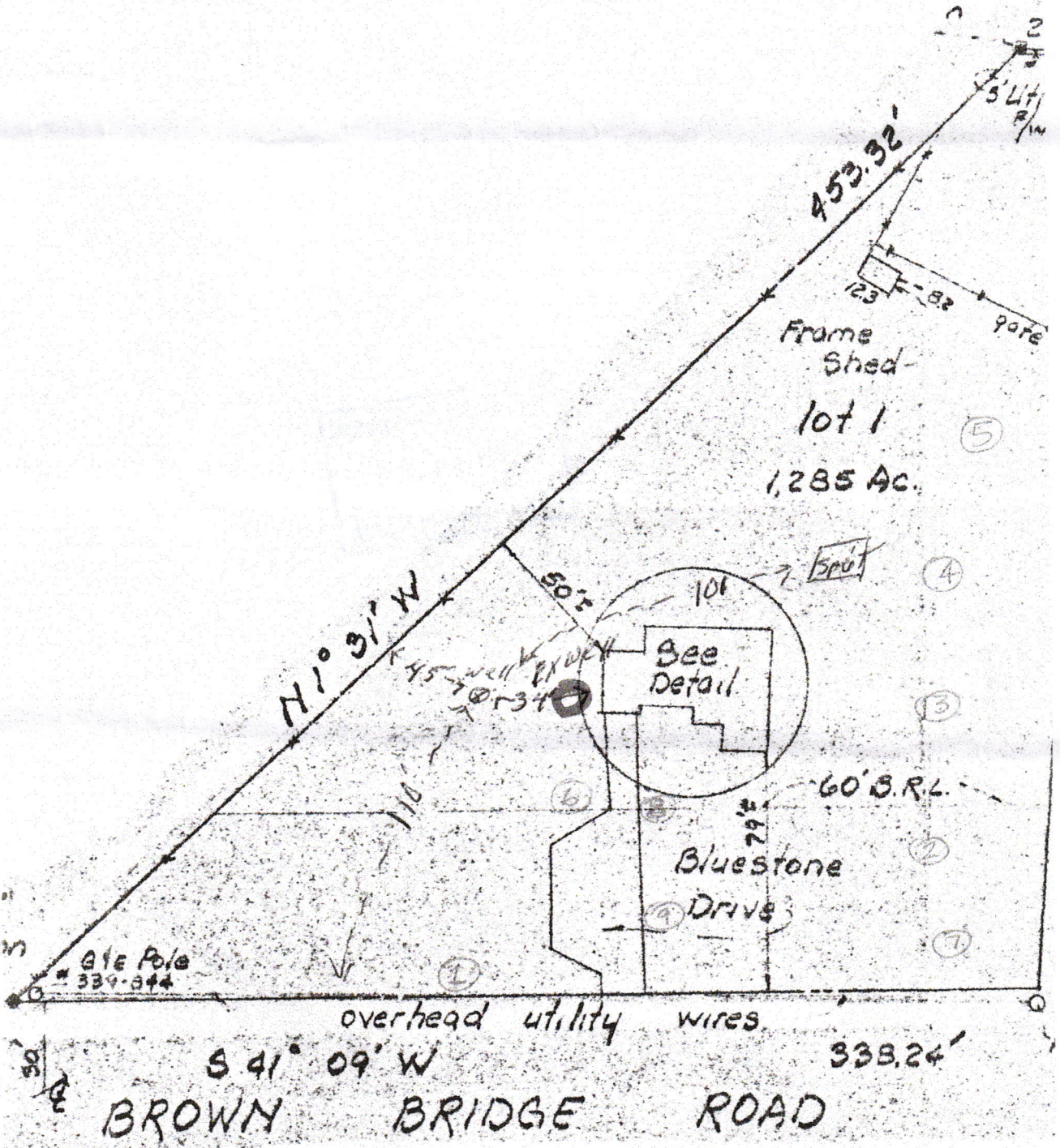
<u>David Irick</u>	<u>1</u>	<u>7618 Brown Bridge Rd.</u>
Subdivision/Property Name	Lot#	Road Name
<u>Greenwood Farm</u>		

- The well site has been staked by Mayer Well Drilling LLC (professional land surveyor or company employing professional land surveyors) on 10-27-25 (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.



Cont. Min
Fol



Frame
Shed
lot 1
1,285 Ac.

N 1° 31' W

Spot

See
Detail

Bluestone
Drive

60' B.R.L.

overhead utility wires

S 41° 09' W
BROWN BRIDGE ROAD

338.24'