

C1 61887

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER XII

ST/CO USE ONLY DATE RECEIVED 10/20/09

DATE WELL COMPLETED 08 27 19 APPROVED 10/21/2019 Depth of Well 550 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HS-18-0073

OWNER ZIM Street Development WELL SITE ADDRESS Green Bridge Rd TOWN DARTON SUBDIVISION SIMPSON PROPERTY SECTION LOT 26

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Soil, Brown Shale, Med GRAI Rock, Soft GRAI Rock, Med GRAI Rock.

GROUTING RECORD section: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (19), NO. OF POUNDS (1925), GALLONS OF WATER (95), DEPTH OF GROUT SEAL (0 to 52 ft).

CASING RECORD section: casing types insert appropriate code below (ST, CO, PL, OT), MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (52).

OTHER CASING (if used) section: diameter (5), depth (70).

SCREEN RECORD section: screen type or open hole (ST, BR, HO, PL, OT), DEPTH (nearest ft.) (52, 550).

WELL HYDROFRACTURED (Y), NUMBER OF UNSUCCESSFUL WELLS (0), A/E/P well status options.

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...

DRILLERS LIC. NO. M-D 355, DRILLERS SIGNATURE, LIC. NO. WR 113

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) section: T (E.R.O.S.), W Q, TELESCOPE CASING, LOG INDICATOR, OTHER DATA.

PUMPING TEST section: HOURS PUMPED (3), PUMPING RATE (7.5), METHOD USED (Water Bucket), WATER LEVEL (25), BEFORE PUMPING (21), WHEN PUMPING (25), TYPE OF PUMP USED (S) submersible.

PUMP INSTALLED section: DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (+) above LAND SURFACE.

LATITUDE 39.23277, LONGITUDE 76.99980, (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.

TAC: 09/03/2019

B 1 63167

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER Ho-18-0073 fill in this form completely

OWNER INFORMATION Date Received (ARA) 03/19/19 Elm Street Development 1355 Beverly Road McLean VA 22101

LOCATION OF WELL Howard County Simpson Property 26 Section 44-46 Lot 48-50 Dayton

DRILLER INFORMATION Michael Barlow M 40355 Barlow Well Drilling 522 Underwood Lane 21014 MD 3-12-19

SOURCES OF DRILLING WATER 1. Well Green Bridge Road 2600 1500 27 18

WELL INFORMATION APPROX. PUMPING RATE 5 AVERAGE DAILY QUANTITY NEEDED 750

USE FOR WATER DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL Howard County No. 41 State Signature Date Issued 05/16/2019

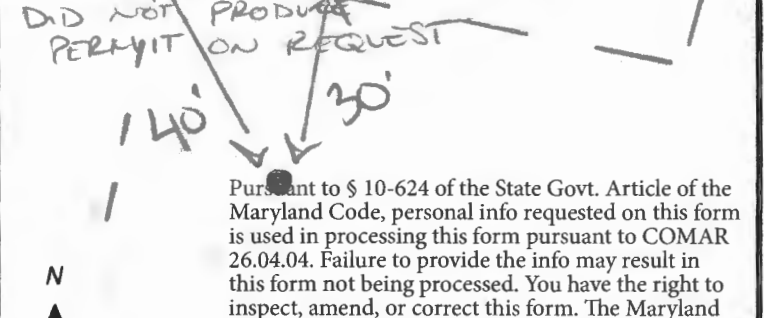
APPROXIMATE DEPTH OF WELL 300 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

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 AIR-PERCussion ROTARY (Hydraulic Rotary) DRIVE-POINT

Reported 45' casing... SEE ATT FILE INFORMED OF SPECIAL CONDITION PROP LINE CONTRACTOR DID NOT PRODUCE PERMIT ON REQUEST

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX) THIS WELL WILL NOT REPLACE AN EXISTING WELL PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED



Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROX. PERMIT NUMBER H02017G001 PERMIT No. HO-18-0073

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.

SPECIAL CONDITIONS NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- SEE ATTACHED MEMO 5/17/2019 UPJA



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.
 522 Underwood Lane Bel Air, Maryland 21014
 (410) 838-6910 Fax (410) 838-3582

WELL YIELD REPORT

Date Test Completed:	August 27, 2019		
Well Depth:	550	feet	<i>CABA Aug 10 21/2019</i>
Customer	Elm Street Development	Permit #	HO-18-0073
Road	Green Bridge Rd	Subdivision	Simpson Property
City	Dayton	Section	
State	Maryland	Lot #	26

Time	Water Level feet Pump set at 250'	Time to Fill 1-gallon bucket seconds	G.P.M.
8:45 AM	25	4	15.00
9:00 AM	105	4	15.00
9:15 AM	151	4	15.00
9:30 AM	182	4	15.00
9:45 AM	213	8	7.50
10:00 AM	213	8	7.50
10:15 AM	213	8	7.50
10:30 AM	213	8	7.50
10:45 AM	212	8	7.50
11:00 AM	212	8	7.50
11:15 AM	212	8	7.50
11:30 AM	212	8	7.50
11:45 AM	212	8	7.50
12:00 PM	212	8	7.50
12:15 PM	211	8	7.50
12:30 PM	211	8	7.50
12:45 PM	211	8	7.50
This yield test report is for informational purposes only. Please note the yield may increase or decrease over time and the GPM indicated above is not a guarantee.			



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

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: Toll Brothers Telephone #: _____
 Subdivision: Willow Creek Lot #: 26 Well Tag #: HO-198-0073 ✓
 Site Address: 1000 COLE PLACE
Dayton, MD 21036

Submersible Pump Data

Make: Grundfos
 Model #: SSSIEK-290
 Pump Capacity: 15
 Well Yield: 7.5

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: SSS (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: 11/14/2022

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

Date Insp. Requested: 11/16/22 Date Insp. Approved: 11/16/22 Inspector: KW/SP
 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 ✓

KW/SP
 ✓ ← 3' ring below 2" & 1" lines
 ✓
 ✓
 ✓
 ✓
 ✓ -8'
 ✓

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – September 29, 2023

March 29, 2023

Homeowner
7000 Colt Place
Dayton, MD 21036

RE: Willowshire, Lot 26
7000 Colt Place
Building Permit: B21003106
Well Permit: HO-18-0073

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 **1/4/2023**. Final approval of the well line connection to the dwelling was granted on **11/6/2022**. The well construction was completed on **10/21/2019**. Water samples were collected on **3/6/2023, 3/14/2023, 3/23/2023, 3/27/2023**.

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-18-0073. 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
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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 Environments 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

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 158167 Account #: 1933
Reference: Willow Creek Lot 26 Client: Fogle's Well Pump & Treatment
Location: 7000 Colt Place Requested By: Dave Fogle
Dayton, MD 21036 Source: Well Water
Date/ Time Collected: 3/27/2023 0915 Site: Main Level Bath
Date/Time Rec'd: 3/27/2023 1249 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.4
Collected By: T. Cassell 0767TC Well #: HO-18-0073

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/28/2023 / 0935 / TSD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/28/2023 / 0935 / TSD

NOTES:

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 Sample collected by client, analyzed as received
- 4 ND = None Detected
- 5 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 6 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy**Building Permit # :** B21003106Date Reported: 3/28/2023

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 158096 Account #: 1933
Reference: Willow Creek Lot 26 Client: Fogle's Well Pump & Treatment
Location: 7000 Colt Place Requested By: Dave Fogle
Dayton, MD 21036 Source: Well Water
Date/ Time Collected: 3/23/2023 0945 Site: Kitchen Sink Tap
Date/Time Rec'd: 3/23/2023 1135 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.5
Collected By: C. Condon 0020CC Well #: HO-18-0073

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	3.1	MPN/ 100 ml	<1.0	SM20 9223B	3/24/2023 / 0830 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/24/2023 / 0830 / CRS

NOTES:

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 Sample collected by client, analyzed as received
- 4 ND = None Detected
- 5 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 6 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy

Building Permit # : B21003106

Date Reported: 3/24/2023

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 157930 Account #: 1933
Reference: Willow Creek Lot 26 Client: Fogle's Well Pump & Treatment
Location: 7000 Colt Place Requested By: Dave Fogle
Dayton, MD 21036 Source: Well Water
Date/ Time Collected: 3/14/2023 0900 Site: Kitchen Sink
Date/Time Rec'd: 3/14/2023 1432 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.2
Collected By: C. Condon 0020CC Well #: HO-18-0073

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/15/2023 / 1005 / MEW
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/15/2023 / 1005 / MEW
Iron	4.34	mg/L	0.3*	Hach 8146	3/15/2023 / 1045 / MEW

NOTES:

- 1 *SMCL = Secondary Maximum Contaminant Level
- 2 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 3 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 4 ND = None Detected
- 5 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 6 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy**Building Permit # :** B21003106Date Reported: 3/15/2023

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

1413 Old Taneytown Rd. Westminster, MD (410) 848-1014 (410) 876-4554

REPORT OF ANALYSIS

Laboratory ID #: 157742 Account #: 1933
Reference: Willow Creek Lot 26 Client: Fogle's Well Pump & Treatment
Location: 7000 Colt Place Requested By: Dave Fogle
Dayton, MD 21036 Source: Well Water
Date/ Time Collected: 3/6/2023 1015 Site: Kitchen Sink
Date/Time Rec'd: 3/6/2023 1250 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.3
Collected By: J. Evans 0309JE Well #: HO-18-0073

multimedia

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	3.1	MPN/ 100 ml	<1.0	SM20 9223B	3/7/2023 / 0810 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/7/2023 / 0810 / CRS
Nitrate.	2.04	mg/L	10	EPA 300.0	3/6/2023 / 1419 / TSD
Turbidity	7.00	NTU	<10	SM2130B	3/7/2023 / 1145 / MEW
Sand	ND	mg/L	5	Visual/Gravimetric	3/6/2023 / 1510 / MEW
Iron	0.61	mg/L	0.3*	Hach 8146	3/7/2023 / 1120 / MEW

NOTES:

- 1 *SMCL = Secondary Maximum Contaminant Level
- 2 mg/L = milligrams per liter (also, parts per million)
- 3 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 4 NTU = Nephelometric Turbidity Units
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 Sample collected by client, analyzed as received
- 7 ND = None Detected
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 9 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy

Building Permit # : B21003106

Date Reported: 3/7/2023

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

MEMORANDUM

TO: Michael Barlow Well Drilling
Attn: Michael Barlow MWD 355
522 Underwood Lane
Bel Air, MD 21014

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

RE: Simpson and Denault Well Permit Special Conditions

DATE: 05/17/2019

This memorandum serves to inform the driller serving The Simpson and Denault Subdivision for construction of a new potable wells for residential use of the special conditions associated with the release of the well permits.

In accordance with current approved Percolation Certification (signed 03/27/2019), the following conditions apply:

Note 15(d) Wells installed on **Lots 2 – 8, 12 – 14, 23, 26 – 34, 38, and 39** must be installed as steel casing to depth of at least 50' below the soil surface or 10 feet into competent bedrock, whichever is deeper.

In accordance with the Water Appropriation and Use Permit (**HO2017G001(01)**), the following conditions apply:

Page 3, Section 15: The Permittee shall conduct simultaneous yield tests of wells closer than 100 feet apart, if at least one of the wells is on a lot less than one acre in size. The yield testing shall be conducted to ensure that the minimum yield requirements of COMAR 26.04.04.26 are met. In the event that a well that has been tested simultaneously with other wells does not meet minimum yield standards, the Permittee may relocate a well to achieve the 100-foot separation distance, deepen or otherwise modify the well to improve its yield or drill a second well to be used in tandem to meet the minimum yield standards during simultaneous testing. All wells shall comply with the well construction requirements.

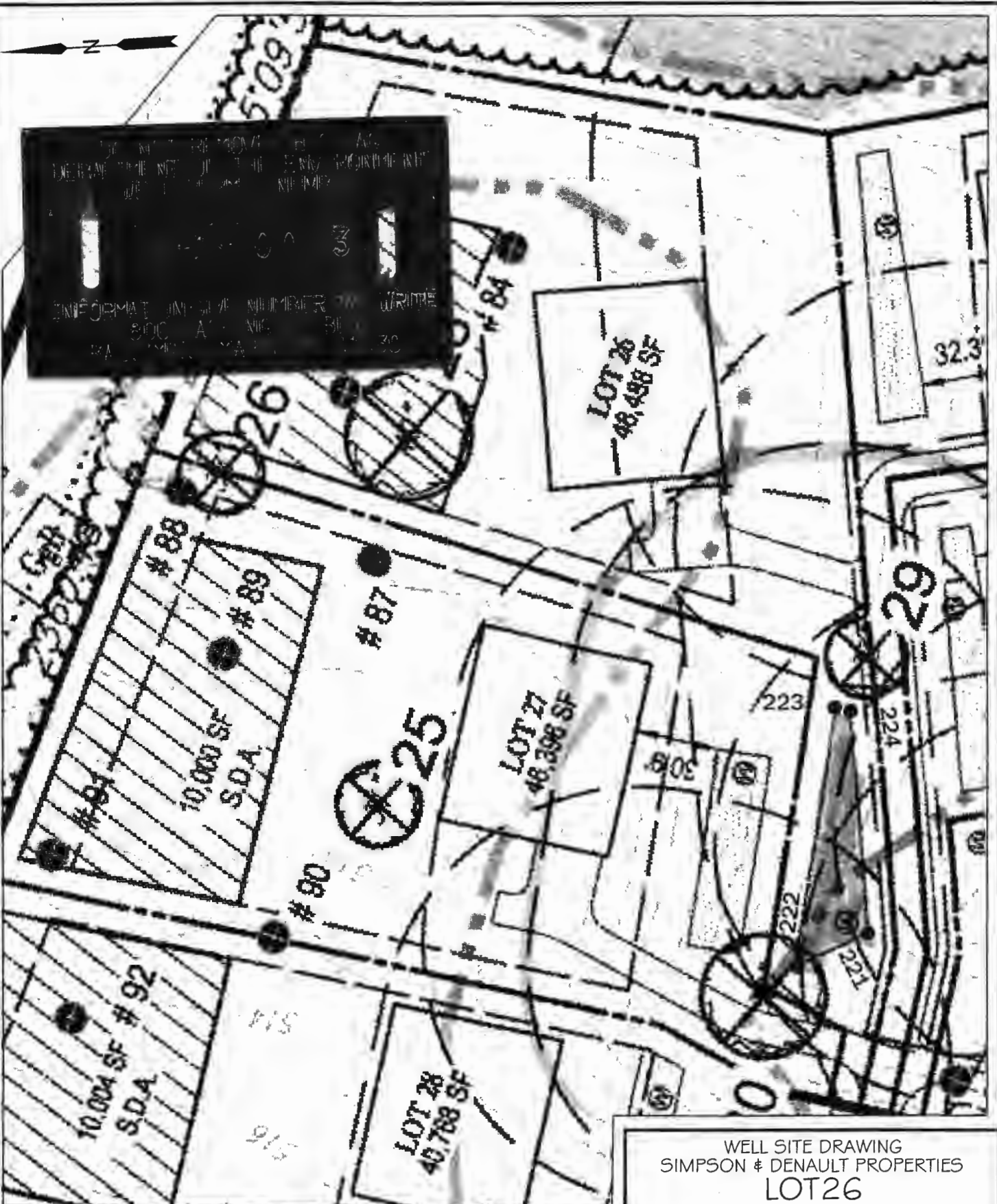
Lots 26, 28, 38 – 44

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

Lots that are less than one acre are shown below.

MINIMUM LOT SIZE CHART			
LOT No.	GROSS AREA (SF)	PIPE STEM	NET AREA
1	54,825		54825
2	59,641		59641
3	55,018		55018
4	41,925		41925
5	40,840		40840
6	55,788		55788
7	55,833		55833
8	45,774		45774
9	42,992		42992
10	44,020		44020
11	42,068		42068
12	40,362		40362
13	41,330		41330
14	56,648	6700	49948
15	40,459		40459
16	49,871		49871
17	40,003		40003
18	40,443		40443
19	40,461		40461
20	40,461		40461
21	40,218		40218
22	54,686		54686
23	55,798		55798
24	44,052	1375	42677
25	41,612	2906	38706
26	48,488	5322	43166
27	46,396		46396
28	40,768		40768
29	44,270		44270
30	44,589		44589
31	46,366		46366
32	49,299		49299
33	47,918		47918
34	52,931		52931
35	54,827	2518	52309
36	44,800	3617	41183
37	55,035	4441	50595
38	33,223	2913	30310
39	31,227		31227
40	35,865		35865
41	40,100		40100
42	34,182		34182
43	41,390		41390
44	41,360		41360
45	45,097		45097
TOTAL AREA	2,043,259	AC.	46.91
			S.F.

Please reach out to the Howard County Health Department – Bureau of the Environment with further questions.

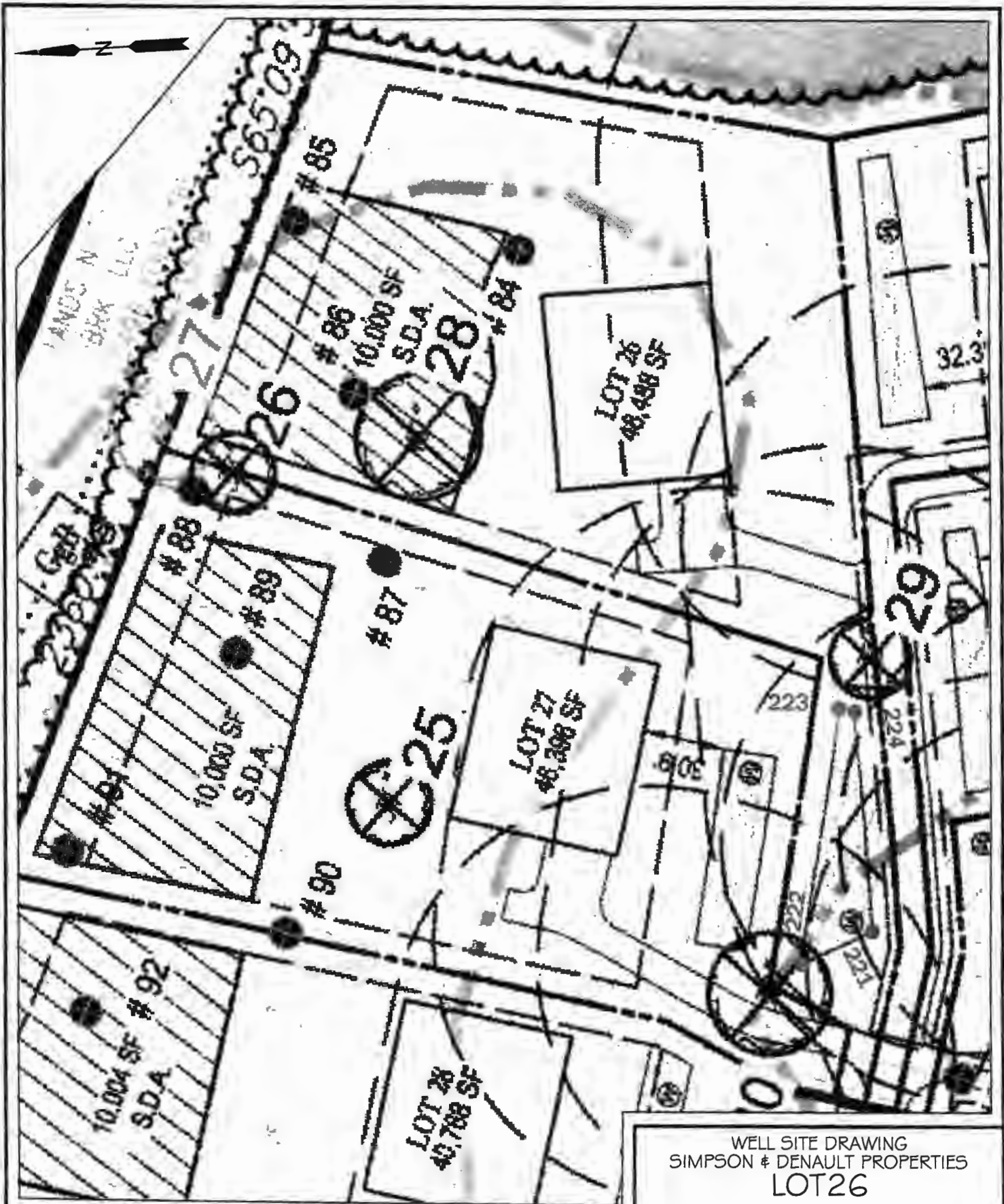


INFORMATION NUMBER WRITE
 800 A NIC 31 30

WELL SITE DRAWING
 SIMPSON & DENAULT PROPERTIES
 LOT 26
 TAX MAP 27 GRID 18
 PARCELS 34, 36, 98, 111, & 112
 5TH ELECTION DIST.
 HOWARD COUNTY, MD.
 SCALE: 1"=50' DATE: 2/21/19

APPROVED 5/16/2019
 STAKED BY SHANT
 LANE
 40-18-0073

SHANABERGER & LANE
 8726 TOWN AND COUNTRY BLVD., SUITE 201
 ELLICOTT CITY, MD. 21043
 (410)461-9563 FAX: (410)461-9693



WELL SITE DRAWING
 SIMPSON & DENAULT PROPERTIES
 LOT 26

TAX MAP 27 GRID 18
 PARCELS 34, 36, 98, 111, & 112
 5TH ELECTION DIST.
 HOWARD COUNTY, MD.
 SCALE: 1"=50' DATE: 2/21/19

SHANABERGER & LANE
 8726 TOWN AND COUNTRY BLVD., SUITE 201
 ELLICOTT CITY, MD. 21043
 (410)461-9563 FAX: (410)461-9693



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:

Lot #'s 1, 2, 3, 4, 7, 8, 9, 10, 11, 14, PARCEL 'C', 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45

SIMPSON / DENAULT
Subdivision/Property Name

Lot #

GREEN BRIDGE RD.
Road Name

X The well site has been staked by SHANABERGER & LANE
(professional land surveyor or company employing professional land surveyors)
on 1/9/19 (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.



ENVIRO-CHEM LABORATORIES, INC.



47 Loveton Circle, Suite K • Sparks, Maryland 21152

410-472-1112

FINAL REPORT OF ANALYSIS

Michael Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

Report Date: 09/18/2019
Report Number: 190918110300

LAB#- E060377-01 SAMPLE ID- Simpson Property Lot 26 WELL # HO 18-0073
LOCATION- Well Head SAMPLER- 8862MI
DATE SAMPLED- 09/10/2019 TIME SAMPLED- 16:00 Residual Chlorine-
DATE RECEIVED- 09/11/2019 TIME RECEIVED- 16:30
DELIVERED BY- Steve Duklewski RECEIVED BY- Ginny Shelley
COMMENTS-

ANALYSIS	METHOD	ANALYSIS DATE/TIME	BY	RESULT	DATA FLAG
Total Metals by EPA 200.7 by Enviro-Chem					
Sodium	EPA 200.7	09/12/19 12:55	MAP	9.26	mg/L
Wet Chemistry by Enviro-Chem					
Chloride	EPA 300.0	09/12/19 16:43	BMG	9.6	mg/L
Dissolved Solids	SM 2540C	09/12/19 15:06	FRD	98.0	mg/L

Stephen Shelley
Laboratory Director

Certifications

State of Maryland Laboratory

#192

FILE INQUIRY NOTES

06/24/2019

DATE	RESULTS OF REVIEW FOR FILE
6/24/2019	INSPECTED DRILLING ACTIVITIES ON LOT 26.
	ARRIVED AT SETTING CASING. ASKED HOW
	MUCH CASING, DRILLER REPORTED 45'
	AND CONFIRMED 45' AFTER INFORMING OF
	SPECIAL CONDITION 50' STEEL CASING OR 10'
	INTO COMPETENT BEDROCK, WHICHEVER IS
	DEEPER. OBSERVED THEM CUT STEEL CASE AT THAT LENGTH.
	ASKED HOW MUCH CASING ON LOT 27,
	DRILLER REPORTED ABOUT 45'.
	DRILLER WAS UNDER IMPRESSION HE WAS
	GOING ABOVE AND BEYOND, TAKING CASING
	15' INTO COMPETENT BEDROCK AND STATED
	MIKE ISOM EXPLAINED THEY HAD THE CHOICE
	BETWEEN 50' OF STEEL CASING <u>OR</u> 10' INTO
	COMPETENT BEDROCK. (H)