

C 1 55772

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

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

COUNTY NUMBER XIII

ST/CO USE ONLY DATE RECEIVED

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER ELM STREET DEVELOPMENT WELL SITE ADDRESS GREEN BRIDGE ROAD TOWN DAYTON SUBDIVISION SIMPSON/DENAULT SECTION LOT 18

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include TAN SANDY SOIL, TAN ROCK, GRAY MICHA SCHIST, LIGHT TAN SCHIST, GRAY MICHA SCHIST, SOFT MICHA SCHIST, GRAY MICHA SCHIST.

GRROUTING RECORD: WELL HAS BEEN GRROUTED (Y), TYPE OF GRROUTING MATERIAL (CM, BC), NO. OF BAGS (10), NO. OF POUNDS (500), GALLONS OF WATER (200), DEPTH OF GROUT SEAL (0 to 59 ft).

CASING RECORD: MAIN CASING TYPE (PL), Nominal diameter (6), Total depth (60).

OTHER CASING (if used) table with columns: diameter inch, depth (feet) from, to.

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

PUMPING TEST: HOURS PUMPED (9), PUMPING RATE (360), MEASURE PUMPING RATE (WATCH & BUCKET), WATER LEVEL (29 ft), TYPE OF PUMP USED (S).

NUMBER OF UNSUCCESSFUL WELLS: 0, WELL HYDROFRACTURED (Y).

CIRCLE APPROPRIATE LETTER: A, E, P.

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04.

DRILLERS LIC. NO. 1 MWD 576, DRILLERS SIGNATURE, LIC. NO. 1 D.

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

DEPTH (nearest ft.) table, SLOT SIZE 1, 2, 3, DIAMETER OF SCREEN (6).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 88.

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

PUMP INSTALLED: DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED PLACE (29), CAPACITY: GALLONS PER MINUTE (31), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (43), CASING HEIGHT (1).

LATITUDE 3 9.200045, LONGITUDE 7 7.023375 (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.

TAG = 9/23/2017

B 1
54041

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-18-0041
fill in this form completely

5647752 please type

OWNER INFORMATION

Date Received (APA) 050501
8 MM DD YY 13

ELM STREET DEVELOPMENT
15 Last Name Owner First Name 34

5704 DORSEY HALL ROAD
36 Street or RFD 55

ELICOT CITY MD 21042
57 Town 70 State 72 Zip 76

LOCATION OF WELL

HOWARD
8 COUNTY 21

SIMPSON/DENAULT
23 SUBDIVISION 42

SECTION 44 46 LOT 18 48 50

DAYTON
52 NEAREST TOWN 71

DRILLER INFORMATION

RANDALL I. ALEXANDER M W D 576
Driller's Name 76 License No. 81

ALEXANDER'S WELL DRILLING
Firm Name

176 W. MAIN ST. PO BOX 443 FAIRFIELD
Address PA 17720

Randall I. Alexander 2-12-19
Signature Date

SOURCES OF DRILLING WATER

1. WELL WATER
2.
3.

GREEN BRIDGE RD.
11 STREET ADDRESS 30

ON WHICH SIDE OF ROAD
(CIRCLE APPROPRIATE BOX)

2000 APPROX 10000 34 37

DISTANCE FROM ROAD
ENTER FT OR MI 38 39

TAX MAP: 27 BLK: PARCEL 34-36-98
117-712

WELL INFORMATION

APPROX. PUMPING RATE
(GAL. PER MIN.) 5 8 12

AVERAGE DAILY QUANTITY NEEDED
(GAL. PER DAY) 400 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 COUNTY NO. STILL

STATE SIGNATURE INSERT S → 41

DATE ISSUED 04/24/19 04/24/2020
43 MM DD YY 48 CO SIGNATURE EXP. DATE

APPROXIMATE DEPTH OF WELL 500 24 28 FEET

APPROXIMATE DIAMETER OF WELL 6 NEAREST INCH

METHOD OF DRILLING (circle one)

BORED (or Augered) JETTED Jetted & DRIVEN

30 AIR-ROTary AIR-PERcussion ROTARY (Hydraulic Rotary)

37 CABLE REVERSE-ROTary DRIVE-POINT

other

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

THIS WELL WILL NOT REPLACE AN EXISTING WELL

THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED

39 THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS

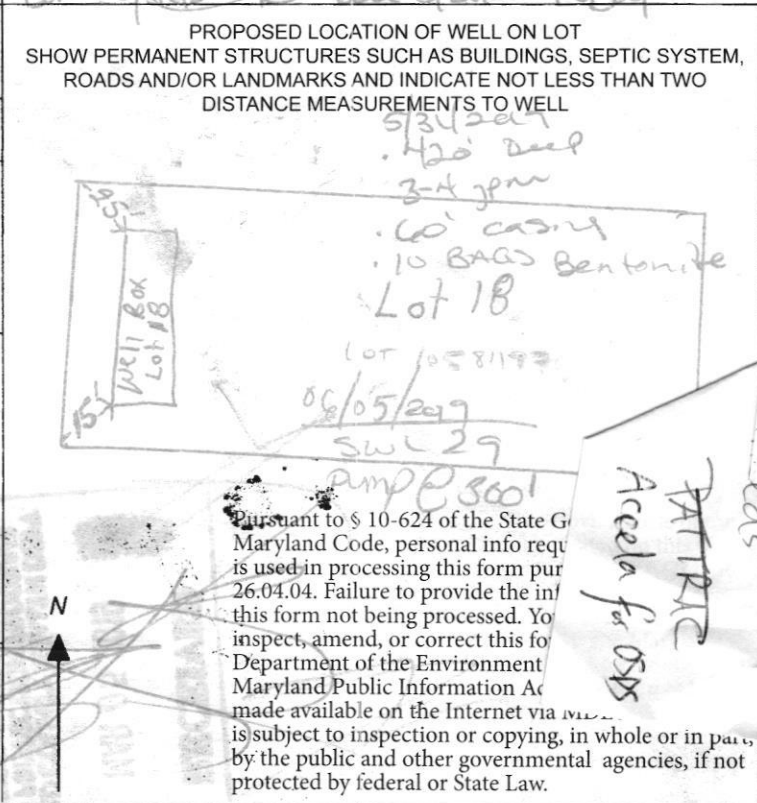
THIS WELL WILL DEEPEM AN EXISTING WELL

PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41 52

Not to be filled in by driller (MDE OR COUNTY USE ONLY)

APPROP. PERMIT NUMBER HO2017G001

PERMIT No. HO-18-0041
70 71 72 73 74 75 76 77 78 79



SPECIAL CONDITIONS
NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED- SEE ATTACHED MEMO

Pursuant to § 10-624 of the State of Maryland Code, personal info required is used in processing this form pursuant to 26.04.04. Failure to provide the info on this form not being processed. You may inspect, amend, or correct this form with the Department of the Environment and General Services, Maryland Public Information Act made available on the Internet via MDE's website. This information 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: Alexander's Well Drilling
Attn: Randall Alexander MWD 00576
126 W Main Street
P.O. Box 443
Fairfield, PA 17320

FROM: Joseph Cabahug *(Signature) 04/24/2019*
Licensed Environmental Health Specialist **001997**
Howard County Health Department
Well & Septic Program

RE: Simpson and Denault Well Permit Special Conditions

DATE: 04/24/2019

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.

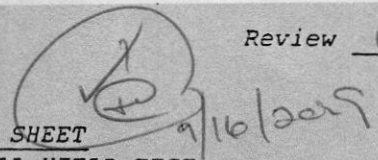
Maura J. Rossman, M.D., Health Officer

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.

Cc: File



FIELD DATA SHEET
 HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 18-0041
 Location of property (road) Green Bridge Rd. Dayton MD
 Subdivision SIMPSON DENAULT Lot 18 Block Plat Sec.
 Well Driller Alexander's Well Drilling Owner Elm Street Development

Depth of well 421 FT.
 Distance of measuring point (M.P.) above ground 1 FT
 Static water level (S.W.L.) below M.P. 29 FT
TEST PUMP DEPTH 300 FT.

I. High rate pumping -- reservoir drawdown
 Time pump started 8:45 AM Pumping rate 8 G.P.M Draw Down
3 G.P.M Constant Pump.
 Total time 1 Hr 15 min to reach pumping water level 204 ft. below M.P.

II. Recovery pump test data - observations to be recorded every 15 minutes

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE 1 time to fill X gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:45 AM	29 FT	7 sec		8 G.P.M.
9:00	59 FT	7 sec		8
9:15	99 FT	7 sec		8
9:30	143 FT	7 sec		8
9:45	180 FT	7 sec		8
10:00	204 Ft	20 sec		3
10:15	204 Ft	20 sec		3
10:30	204 Ft	20 sec		3
10:45	204 Ft	20 sec		3
11:00	204 Ft	20 sec		3
11:15	204 Ft	20 sec		3
11:30	204 Ft	20 sec		3
11:45	204 Ft	20 sec		3
12:00	204 Ft	20 sec		3
12:15	204 Ft	20 sec		3
12:30	204 Ft	20 sec		3
12:45	204 Ft	20 sec		3
1:00	204 Ft	20 sec		3
1:15	204 Ft	20 sec		3
1:30	204 Ft	20 sec		3
1:45	204 Ft	20 sec		3
2:00	204 Ft	20 sec		3
2:15	204 Ft	20 sec		3
2:30	204 Ft	20 sec		3

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: Fogles Well Pump & Water Treatment, LLC Telephone #: 410 795 5670
Address: 5500 Obrecht Rd
SUKESVILLE, 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# MSD2226

*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: William Creek Lot #: 18 Well Tag #: HO-18-004 **(81)**
Site Address: 6038 Bricker Rd
Dayton, MD 21036

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Maker: <u>Sands</u>	Maker: <u>Campbell+</u>	Two piece watertight cap: <u>✓</u>
Model #: <u>74507422</u>	Model#: <u>N/A</u>	Screened, vented well cap: <u>✓</u>
Pump Capacity: <u>7</u>	GPM Depth: <u>310"</u> (36" min)	Cap secured to casing: <u>✓</u>
Well Yield: <u>3</u>	GPM NSF/WSC approved: <u>✓</u>	Conduit min 18" B.G.: <u>✓</u>
Depth of well encountered at time of pump installation: <u>420</u> (feet)		Conduit secured to well cap: <u>✓</u>
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 <u>inside of well casing</u> <u>N/A</u>		

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>1" poly pipe</u>	FVC sleeve to undisturbed soil at wall penetration: <u>✓</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve (5' minimum from foundation): <u>6'</u>
Depth of supply line: <u>36"</u> (36" min)	Sleeve sealed properly: <u>✓</u>

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

Signature of company representative responsible for installation: [Signature] date: 12/19/21

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

Date Insp. Requested: 12/10/21 Date Insp. Approved: 12/10/21 Inspector: (81)

Inspection Data:	Pitless adapter watertight & water supply line at least 36" below grade	<u>✓</u> 51"
	Two piece cap installed and attached to casing securely	<u>✓</u> 51"
	Elec. conduit extends at least 18" below grade/attached to cap properly	<u>✓</u> 24"
	Safety rope not outside of well cap/casing	<u>✓</u> 9'
	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)

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – NOVEMBER 2, 2022

May 2, 2022

Homeowner
6038 Bricker Road
Clarksville, MD 21029

RE: Willowshire, Lot 18
6038 Bricker Road
Building Permit: B21002237
Well Permit: HO-18-0041

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 **1/6/2022**. Final approval of the well line connection to the dwelling was granted on **12/10/2021**. The well construction was completed on **6/5/2019**. Water samples were collected on **4/25/2022**.

The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-18-0041. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

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

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



Bureau of Environmental Health
8930 Stanford Blvd | Columbia, MD 21045
410.313.2640 - Voice/Relay
410.313.2648 - Fax
1.866.313.6300 - Toll Free

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

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

Approving Authority,

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

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

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

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 151621 Account #: 1933
Reference: Willow Creek Lot 18 Client: Fogle's Well Pump & Treatment
Location: 6038 Bricker Road Requested By: Dave Fogle
Dayton, MD 21036 Source: Well Water
Date/ Time Collected: 4/25/2022 1100 Site: Kitchen Sink
Date/Time Rec'd: 4/25/2022 1303 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.7
Collected By: T. Cassell 0767TC Well #: HO-18-0041

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	4/26/2022 / 0930 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	4/26/2022 / 0930 / CRS
Turbidity	7.46	NTU	<10	SM2130B	4/26/2022 / 1020 / CRS
Sand	ND	mg/L	5	Visual/Gravimetric	4/25/2022 / 1500 / TSD
Nitrate.	3.13	mg/L	10	EPA 300.0	4/22/2022 / 1606 / TSD

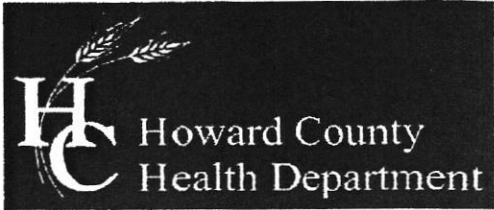
NOTES:

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

Reason for Test : Use & Occupancy

Building Permit # : B21002237

Date Reported: 4/26/2022



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:

Handwritten note: 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

Well Site Location:

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.

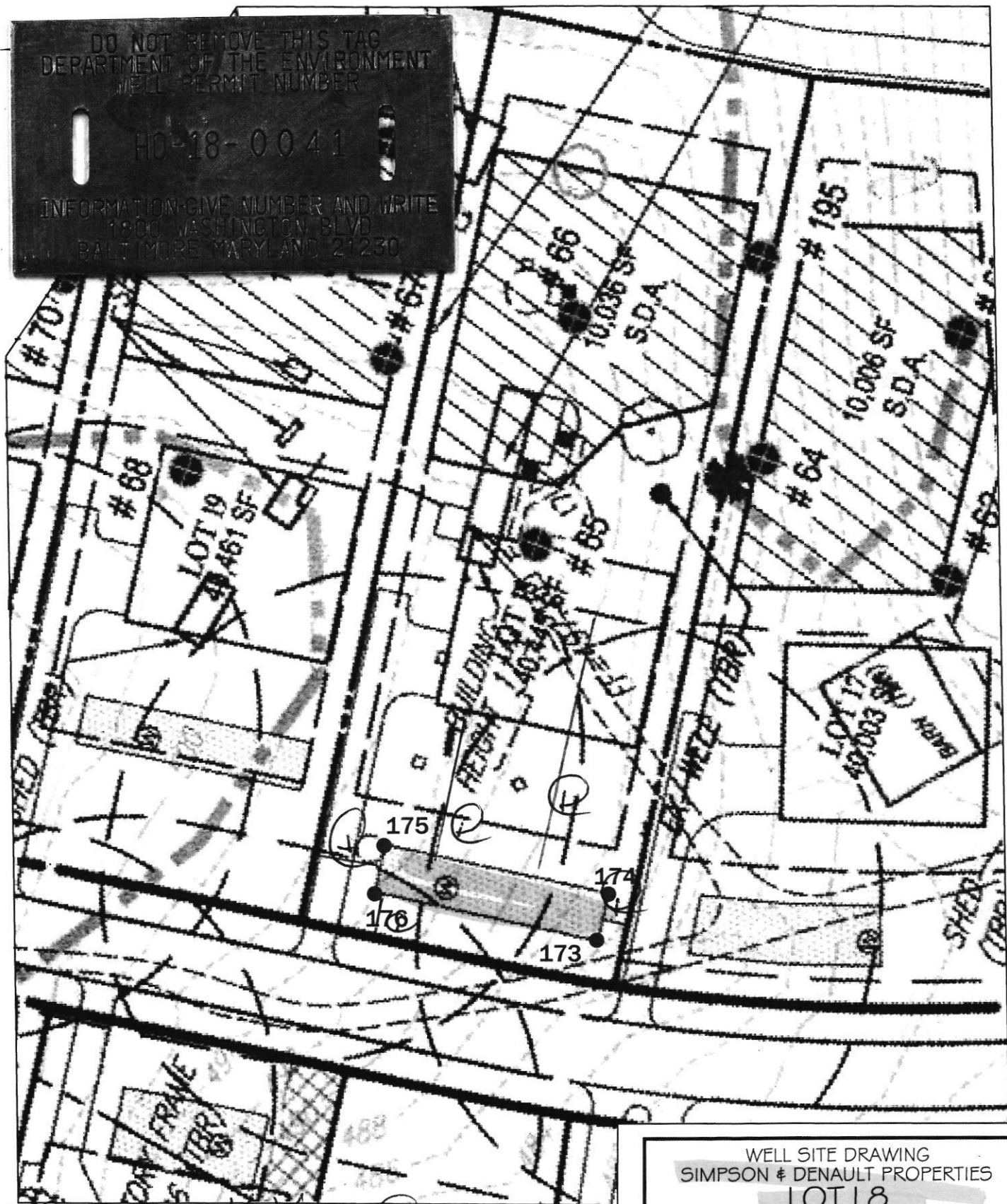
Revised 4/22/14



DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER

HO-18-0041

INFORMATION GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230



APPROVED 01/24/2019 @ 001997
STAKED BY
SHANABERGER
AND LANE

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

WELL SITE DRAWING
SIMPSON & DENAULT PROPERTIES
LOT 18

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



HOWARD COUNTY HEALTH DEPARTMENT

64807

DATE: 3/17/19

WS

Received From

Alexander's well Drilling

PHONE # 77642-596

CASH

CHECK

NO.

For Well permits (21) Green Bridge Rd.

20911

Three thousand three hundred sixty dollars

\$ 3360.00

Received By J King