

C1 55778

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER

XIII

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

ST/CO USE ONLY DATE Received MM DD YY 09 03 19

DATE WELL COMPLETED MM DD YY 07 25 19

Depth of Well 300

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO 18 0037

OWNER ELM STREET DEVELOPMENT WELL SITE ADDRESS GREEN BRIDGE ROAD TOWN DAYTON SUBDIVISION SIMPSON DENAVLT SECTION LOT 11

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries like TAN MICACEOUS GROUND, TAN SOFT ROCK, GRAY MICACEOUS SCHIST, etc.

GROUTING RECORD WELL HAS BEEN GROUTED (Y) TYPE OF GROUTING MATERIAL (CM) BENTONITE CLAY (BC) NO. OF BAGS 11 NO. OF POUNDS 550

CASING RECORD MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch) 6 Total depth of main casing (nearest foot) 60

OTHER CASING (if used) diameter inch depth (feet) from to

SCREEN RECORD screen type or open hole (ST) BRASS (BR) OPEN HOLE (HO) PLASTIC (PL) OTHER (OT)

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

DRILLERS LIC. NO. 1 M WD 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 with columns 1-21 and rows E, A, C, H, S, R, E, E, N. Includes slot size and diameter of screen.

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

PUMPING TEST HOURS PUMPED (nearest hour) 6 HRS 45 MIN PUMPING RATE (gal. per min.) 12 METHOD USED TO MEASURE PUMPING RATE WATCH & BUCKET WATER LEVEL (distance from land surface) BEFORE PUMPING 9 ft. WHEN PUMPING 85 ft. TYPE OF PUMP USED (for test) C centrifugal S submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES) (NO) 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 39.227417 LONGITUDE 76.999682 (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.

Tag # 9/19/19

B 1	SEQUENCE NO. (MDE USE ONLY) 54043	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 54775-H please type	STATE PERMIT NUMBER HO-18-0037 fill in this form completely
	1 2 3 6		70 79

**OWNER INFORMATION**

Date Received (APA) 050519  
8 MM DD YY 13

ELM STREET DEVELOPMENT  
15 Last Name Owner First Name 34

5704 DORSEY HALL RD  
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 48 50

DAYTON  
52 NEAREST TOWN 71

**DRILLER INFORMATION**

RANDALL L. ALEXANDER M WD 576  
Driller's Name 76 License No. 81

ALEXANDER'S WELL DRILLING  
Firm Name

1716 W. MAIN ST. DO BOX 443 FAIRFIELD PA 17320  
Address

Randall L. 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)

APPROX 700 FT  
34 37  
DISTANCE FROM ROAD FT  
ENTER FT OR MI 38 39

TAX MAP: 27 BLK: PARCEL 34-36-8  
117-11

**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. XIII

STATE SIGNATURE  
DATE ISSUED 04/24/19  
43 MM DD YY 48 CO SIGNATURE EXP. DATE 04/24/20

DAN: 6/10/2019 DOG: DNI DOY: DNI

APPROXIMATE DEPTH OF WELL 500 FEET  
24 28

APPROXIMATE DIAMETER OF WELL 6 INCH  
NEAREST INCH

**METHOD OF DRILLING (circle one)**

BORED (or Augered) JETTED Jetted & DRIVEN

AIR-ROTary AIR-PERCussion ROTARY (Hydraulic Rotary)

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

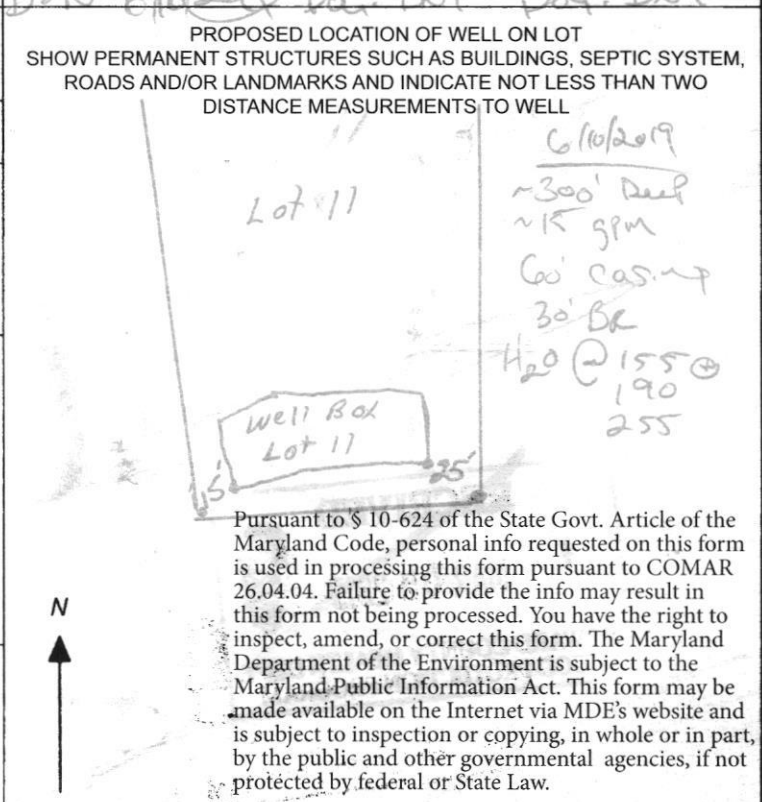
THIS WELL WILL DEEPEM AN EXISTING WELL

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 HO-2019-G-001

PERMIT No. HO-18-0037  
70 71 72 73 74 75 76 77 78 79



**SPECIAL CONDITIONS**

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED. SEE ATTACHED MEMO

FIELD DATA SHEET  
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 18-0037  
 Location of property (road) GREEN BRIDGE ROAD DAYTON MD.  
 Subdivision SIMPSON/ DENAULT Lot 11 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller ALEXANDERS WELL DRILLING Owner ELM STREET DEVELOPMENT

Depth of well 300 FT.  
 Distance of measuring point (M.P.) above ground 2 FT.  
 Static water level (S.W.L.) below M.P. 9 FT.

TEST PUMP DEPTH 200 FT.

I. High rate pumping -- reservoir drawdown

Time pump started 6:00 AM Pumping rate 12 G.P.M  
 Total time 45 MIN. to reach pumping water level 85 ft. below M.P.

BLOWN YIELD WITH

II. Recovery pump test data - observations to be recorded every 15 minutes DRILL 15 G.P.M

TIME (in 15 minute intervals)	WATER LEVEL below M.P.	PUMPING RATE / time to fill X gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
6:45 AM	85 FT.	5 SEC		12 G.P.M
7:00	85	5		12
7:15	85	5		12
7:30	85	5		12
7:45	85	5		12
8:00	85	5		12
8:15	85	5		12
8:30	85	5		12
8:45	85	5		12
9:00	85	5		12
9:15	85	5		12
9:30	85	5		12
9:45	85	5		12
10:00	85	5		12
10:15	85	5		12
10:30	85	5		12
10:45	85	5		12
11:00	85	5		12
11:15	85	5		12
11:30	85	5		12
11:45	85	5		12
12:00 PM	85	5		12
12:15	85	5		12
12:30	85	5		12
HD-224 12:45	85	5		12 G.P.M

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: Foale's Well Pump + Water Treatment, LLC Telephone #: 410-795-5670  
Address: 580 Obrecht Rd  
2 Kingsville, MD 21894

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 Foale License# MSDZZ16

\*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 #: 11 Well Tag #: HO-18-0037  
Site Address: 6509 mare ct  
Dayton, MD 21036

**Submersible Pump Data**  
Make: Ganfoss  
Model #: 155GE07-180  
Pump Capacity: 15  
Well Yield: 17

**Pitless Adapter**  
Make: Camptell+  
Model#: NA  
GPM Depth: 36 (36" min)  
GPM NSF/WSC approved: YS

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

Depth of well encountered at time of pump installation: 300 (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

**Piping to house**  
Type: 1" poly pipe  
PSI: 2000/160 psi min  
Depth of supply line: 36" (36" min)

**House Connection**  
PVC sleeve to undisturbed soil at wall penetration: YS  
Length of sleeve (5' minimum from foundation): 6'  
Sleeve sealed properly: YS

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: David C Foale Date: 10/14/2021

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

Date Insp. Requested: 10/05/2021 Date Insp. Approved: 10/05/2021 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

42" 10/05/2021  
34" 10/05/2021  
12" 10/05/2021

(Revised form 10/24/2018)

House  
10/05/2021  
3.25  
Poe

**INTERIM CERTIFICATE OF POTABILITY**

**Expiration Date – August 18, 2022**

February 18, 2022

Homeowner  
6509 Mare Court  
Dayton, MD 21036

**RE: Willowshire, Lot11**  
**6509 Mare Court**  
**Building Permit: B21000396**  
**Well Permit: HO-18-0037**

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 **2/10/2022**. Final approval of the well line connection to the dwelling was granted on **10/5/2022**. The well construction was completed on **07/25/2019**. Water samples were collected on **02/02/2022**.

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-18-0037. 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

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**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 #: 150239 Account #: 1933  
Reference: Willow Creek Lot 11 Client: Fogle's Well Pump & Treatment  
Location: 6509 Mare Court Requested By: Dave Fogle  
Dayton, MD 21036 Source: Well Water  
Date/ Time Collected: 2/3/2022 1230 Site: Kitchen Sink Tap  
Date/Time Rec'd: 2/3/2022 1504 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 6.9  
Collected By: J. Evans 0309JE Well #: HO-18-0037

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/4/2022 / 0930 / CRS
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	2/4/2022 / 0930 / CRS
Nitrate	<0.30	mg/L	10	Hach 10206	2/3/2022 / 1550 / CRS
Turbidity	<0.30	NTU	<10	SM20 2130B	2/3/2022 / 1540 / TSD
Sand	ND	mg/L	5	Visual/Gravimetric	2/3/2022 / 1550 / 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 pH and Chlorine level tested in lab (pH tested after recommended holding time)
- 5 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 6 ND = None Detected
- 7 Sample collected by client, analyzed as received
- 8 Visual well check: Sealed, vented cap

**Reason for Test :** Use & Occupancy

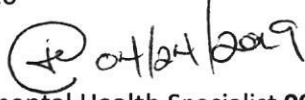
**Building Permit # :** B21000396

Date Reported: 2/4/2022

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**   
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

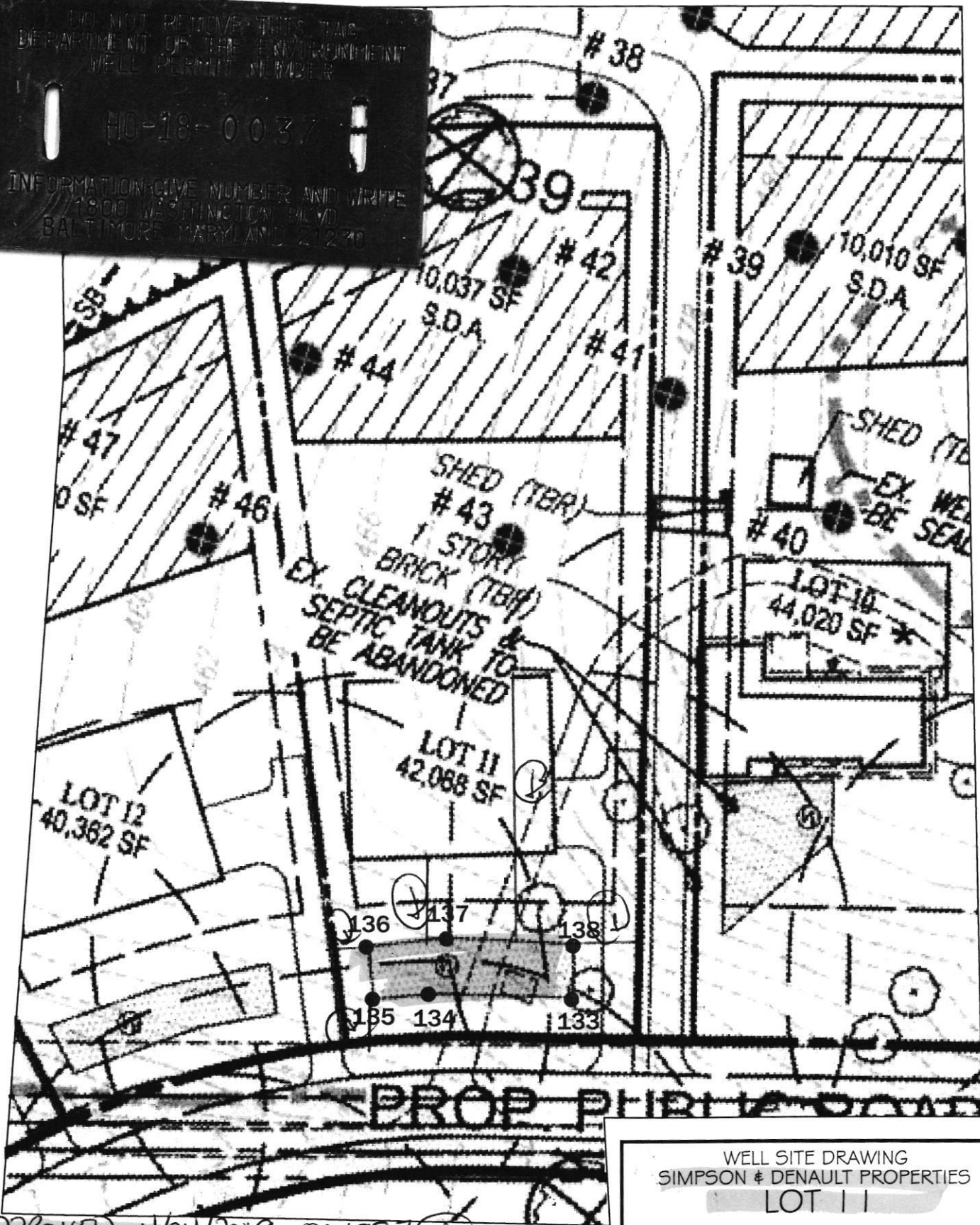
Lots that are less than one acre are shown below.

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
<b>TOTAL AREA</b>	<b>2,043,259</b>	<b>AC.</b>	<b>46.91</b>
			<b>S.F.</b>

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

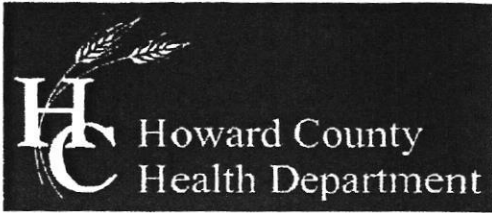
Cc: File

DO NOT REMOVE THIS TAG  
 DEPARTMENT OF THE ENVIRONMENT  
 WELL PERMIT NUMBER  
 HO-18-0037  
 INFORMATION GIVE NUMBER AND WRITE  
 1800 WASHINGTON BLVD  
 BALTIMORE, MARYLAND 21220



Approved 7/24/09 001997  
 STAKED BY SHANABERGER & LANE  
 AND 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 11  
 TAX MAP 27 GRID 18  
 PARCELS 34, 36, 98, 111, & 112  
 5TH ELECTION DIST.  
 HOWARD COUNTY, MD.  
 SCALE: 1"=50' DATE: 2/21/19



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:

2 Stakes
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 SHANBERGER & 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





HOWARD COUNTY HEALTH DEPARTMENT

64807

DATE: 3/27/19

WS

Received From

Abraham's well Drilling

PHONE # 777-642-596

For

Well permits (2) Green Bridge Rd.

CASH

CHECK

NO.

20911

Three thousand three hundred sixty dollars

\$ 3360.00

Received By

J King