

C1 55760

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 XIV

ST/CO USE ONLY DATE RECEIVED MM 01 DP 13 YY 19

DATE WELL COMPLETED MM 08 DD 23 YY 19

Depth of Well 710 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-18-0046

OWNER ELM STREET DEVELOPMENT WELL SITE ADDRESS GREEN BRIDGE ROAD TOWN DAYTON SUBDIVISION SIMPSON/DENAVIT SECTION LOT 23

WELL LOG table with columns for DESCRIPTION, FEET (FROM, TO), and check if water bearing. Includes entries for TAN MICACEOUS SILT & GRAVEL and GRAY MICACEOUS SCHIST.

GROUTING RECORD section including WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL (CM, BC), NO. OF BAGS (25), NO. OF POUNDS (1250), GALLONS OF WATER (500), DEPTH OF GROUT SEAL (0 to 58 ft).

CASING RECORD section including MAIN CASING TYPE (ST), Nominal diameter (6), Total depth (60).

OTHER CASING (if used) section with diameter and depth fields.

SCREEN RECORD section including screen type (ST), diameter of screen (6), and slot size.

NUMBER OF UNSUCCESSFUL WELLS: 0

WELL HYDROFRACTURED (Y) and CIRCLE APPROPRIATE LETTER (A, E, P) section.

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

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

DEPTH (nearest ft.) table with columns for casing depth (40, 58, 710) and depth intervals (1-21, 23-36, 38-51).

GRAVEL PACK IF WELL DRILLED WAS FLOWING WELL INSERT F IN BOX 68

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER) section including TELESCOPE CASING, LOG INDICATOR, and OTHER DATA.

PUMPING TEST section including HOURS PUMPED (745.15 min), PUMPING RATE (1.5 gal/min), METHOD USED TO MEASURE PUMPING RATE (WATER & BUCKET), WATER LEVEL (7 ft before, 370 ft when pumping), TYPE OF PUMP USED (S submersible).

PUMP INSTALLED section including DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (S), CAPACITY (36 gallons per minute), PUMP HORSE POWER (37), PUMP COLUMN LENGTH (47), CASING HEIGHT (+ above, - below).

LATITUDE 39.239567 LONGITUDE 77.056986 (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.

Tax = 08/21/2019

B 1	SEQUENCE NO. (MDE USE ONLY) 54049	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL <small>please type</small>	STATE PERMIT NUMBER HO-18-0046 <small>fill in this form completely</small>
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OWNER INFORMATION

Date Received (APA) **03/15/19**

ELM STREET DEVELOPMENT

15 Last Name Owner First Name 34

36 **5704 DORSEY HALL ROAD** 55
Street or RFD

57 **ELLICOTT CITY MD. 21042** 76
Town State Zip

B 3 LOCATION OF WELL

HOWARD COUNTY

SIMPSON/DENAULT SUBDIVISION

SECTION **44 46** LOT **23** 48 50

DAYTON NEAREST TOWN

DRILLER INFORMATION

RANDALL L. ALEXANDER MWD 576

Driller's Name License No.

ALEXANDER'S WELL DRILLING

Firm Name

126 W. MAIN ST. P.O. BOX 443 FAIRFIELD, PA. 17303

Address

2-12-19

Signature Date

B 4 SOURCES OF DRILLING WATER

1. **WELL WATER**

GREEN BRIDGE RD STREET ADDRESS

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

1800 APPROX DISTANCE FROM ROAD

ENTER FT OR MI

TAX MAP: **27** BLK: _____ PARCEL **34-36-98**

B 2 WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) **400**

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) **14**

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

XIII COUNTY NO.

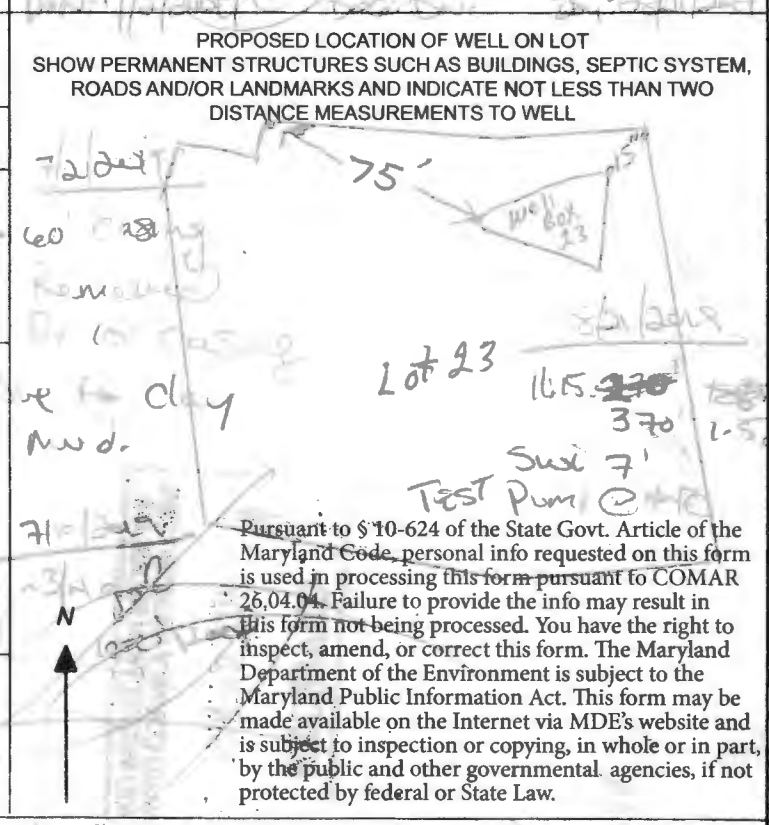
STATE SIGNATURE _____ INSERT S _____

DATE ISSUED **04/24/19**

CO SIGNATURE _____ EXP. DATE _____

APPROXIMATE DEPTH OF WELL **500** FEET

APPROXIMATE DIAMETER OF WELL **6** 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 DEEPEINED 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 DEEPEIN AN EXISTING WELL

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

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

APPROP. PERMIT NUMBER **HO 20170001**

PERMIT No. **HO-18-0046**

SPECIAL CONDITIONS SEE ATTACHED MEMO

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.

LAT: 39.239567

Page 1 of 1
Date 8-21-19

LONG: 77.056986

Review CABALLUCI
9/23/2019FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TESTWell Permit No. HO - 18-0046
Location of property (road) GREEN BRIDGE RD. DAYTON MO.
Subdivision SIMPSON/ DENAVLT Lot 23 Block Plat Sec.
Well Driller ALEXANDERS WELL DRILLING Owner ELM STREET DEVELOPMENTDepth of well 710
Distance of measuring point (M.P.) above ground 2 FT.
Static water level (S.W.L.) below M.P. 7 FT.I. TEST PUMP DEPTH 440 FT.
High rate pumping -- reservoir drawdownTime pump started 7:45 AM Pumping rate 12 G.P.M
Total time 2 HRS 15 MIN to reach pumping water level 370 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)
9:00 A.M	370 FT.	40 SEC		1.5 G.P.M
9:15	370	40		1.5
9:30	370	40		1.5
9:45	370	40		1.5
10:00	370	40		1.5
10:15	370	40		1.5
10:30	370	40		1.5
10:45	370	40		1.5
11:00	370	40		1.5
11:15	370	40		1.5
11:30	370	40		1.5
11:45	370	40		1.5
12:00 PM	370	40		1.5
12:15	370	40		1.5
12:30	370	40		1.5
12:45	370	40		1.5
1:00	370	40		1.5
1:15	370	40		1.5
1:30	370	40		1.5
1:45	370	40		1.5
2:00	370	40		1.5
2:15	370	40		1.5
2:30	370	40		1.5
2:45	370	40		1.5
HD-224 3:00	370	40		1.5

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 #: 23 Well Tag #: HO-18-0046 ✓
Site Address: 7000 Colt Place
Dorton, MD 21036

Submersible Pump Data

Make: Goulds
Model #: SHS10422
Pump Capacity: 5
Well Yield: 1.5

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: 710 (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

check final grade & cap

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.

for well tag is grout

Signature of company representative responsible for installation: [Signature] Date: 2/22/2023

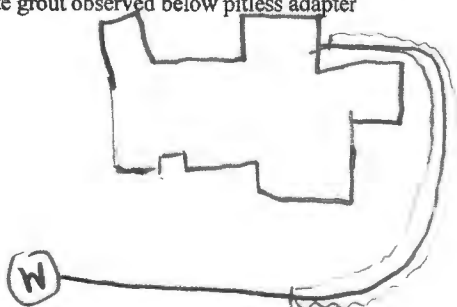
For Health Department Use Only – Not to be completed by Installer

Date Insp. Requested: 2/23/23 Date Insp. Approved: _____ 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

- RR
-
-
-
- you see final grade -
- excavated 6' below pitless adapter and found grout

to make sure tag is at least 8 feet above grade

(Revised form 10/24/2018)



sleeved under driveway all the way to the house



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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – February 10, 2024

August 10, 2023

Homeowner
7009 Colt Place
Dayton, MD 21036

RE: Willowshire, Lot 213
7009 Colt Place
Building Permit: B21002779
Well Permit: HO-18-0046

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 **8/4/2023**. Final approval of the well line connection to the dwelling was granted on **8/10/2023**. The well construction was completed on **8/23/2019**. Water samples were collected on **7/13/2023**.

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-18-0046. 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,

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 #: 160228 Account #: 1933
Reference: Willow Creek Lot 23 Client: Fogle's Well Pump & Treatment
Location: 7009 Colt Place Requested By: Dave Fogle
Dayton, MD 21036 Source: Well Water
Date/ Time Collected: 7/13/2023 1410 Site: Pressure Tank
Date/Time Rec'd: 7/13/2023 1500 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 7.3
Collected By: T. Cassell 0767TC Well #: HO-18-0046

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/14/2023 / 0930 / MEW
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/14/2023 / 0930 / MEW
Nitrate.	<0.40	mg/L	10	EPA 300.0	7/13/2023 / 1832 / MEW
Turbidity	6.79	NTU	<10	SM2130B	7/13/2023 / 1605 / MEW
Sand	ND	mg/L	5	Visual/Gravimetric	7/13/2023 / 1620 / MEW

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 # : B21002779

Date Reported: 7/14/2023

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.

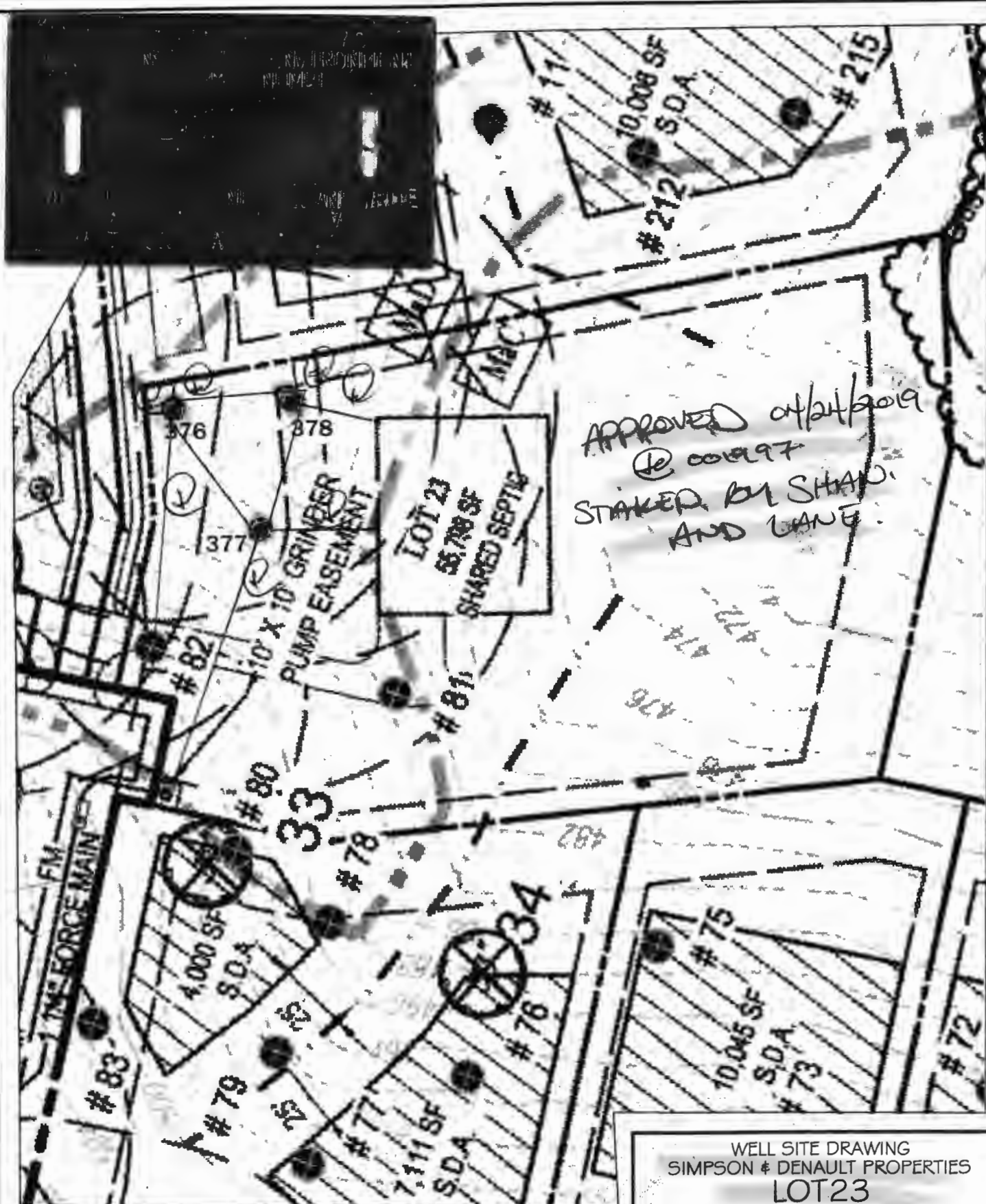
Maura J. Rossman, M.D., Health Officer

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

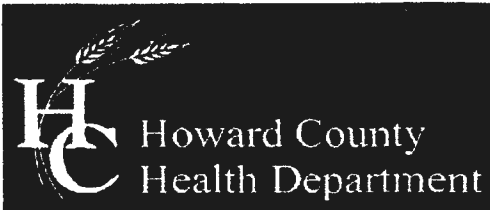


APPROVED 01/24/2019
 @ COURT
 STAKED BY SHAN.
 AND LANE

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 23

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:

251-12
 Lot #'s 1, 2, 3, 4, 5, 6, 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

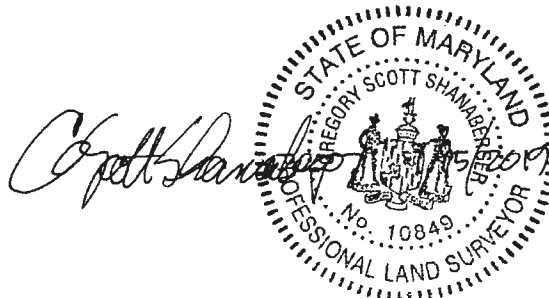
Lot #

GREEN BRIDGE RD.
 Road Name

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.





HOWARD COUNTY HEALTH DEPARTMENT

64807

DATE 3/27/19

WS

Received From

Alexander's well drilling

PHONE # 717-642-5960

For

Well permits (21) Green Bridge Rd.

CASH
 CHECK

NO. 20911

Three thousand three hundred sixty dollars

\$ 3360.00

Received By

King



WLI pics
2/23/23
KAT

grout found @
6 feet below
pitless adaptor.