

B 1
58647

SEQUENCE NO.
(MDE USE ONLY)

STATE OF MARYLAND
APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

40-17-0131
fill in this form completely

3005950 please type

Date Received (APA)
04/04/17

OWNER INFORMATION

Heritage Land Development
P.O. Box 482
Lisbon MD 21765

LOCATION OF WELL

Howard
Linden Grove
Lisbon

DRILLER INFORMATION

Michael Barlow MWD 355
Barlow Well Drilling
522 Underwood Ln 21014
3/28/17

SOURCES OF DRILLING WATER

Daisy Road
well
ON WHICH SIDE OF ROAD
DISTANCE FROM ROAD
TAX MAP: 8 BLK: 7 PARCEL 5

WELL INFORMATION

APPROX. PUMPING RATE (GAL. PER MIN.) 5
AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750

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. 13
STATE SIGNATURE
DATE ISSUED 05/01/17
CO SIGNATURE EXP. DATE 05/01/18

APPROXIMATE DEPTH OF WELL 300 FEET

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

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 DEEPEAN AN EXISTING WELL

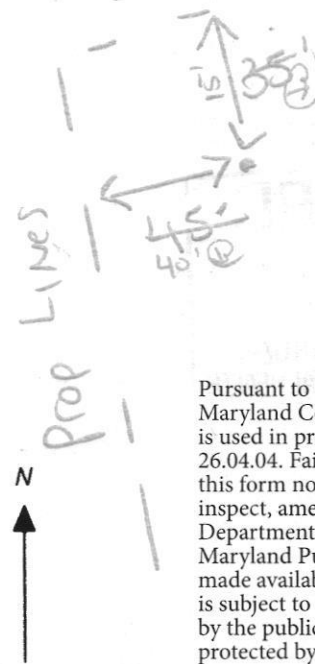
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE) 41

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

APPROP. PERMIT NUMBER G

PERMIT No. 40-17-0131

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



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.

SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

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: Foyle's Well Pump + Water Treatment, LLC Telephone #: 410 795 1535
 Address: JPO Box 63
Woodbine, MD 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): David C Foyle 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: Linden Grove Lot #: 38 Well Tag #: HO-17-0131 (57)
 Site Address: 1424 Heritage Ridge Rd
Woodbine, MD 21797

Submersible Pump Data
 Make: Grundfos
 Model #: ISS10E07-80
 Pump Capacity: 15
 Well Yield: 4
 Depth of well encountered at time of pump installation: 300 (feet)

Pitless Adapter
 Make: Campbell +
 Model #: NA
 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

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 wrenches / 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: 200 (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: 4/14/22

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

Date Insp. Requested: 4/14/22 Date Insp. Approved: 4/14/22 Inspector: [Signature]
 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

45"
32"
25"
20"



(Revised form 10/24/2018)

**MICHAEL BARLOW WELL DRILLING
522 UNDERWOOD LANE
BEL AIR, MD 21014
410-838-6910**

Howard County Health Dept
8930 Stanford Blvd
Columbia, MD 21046
Attn: Kevin Wolf

June 11, 2018

Re: Linden Grove

Mr. Wolf,

Our firm drilled test wells on lots 1, 2, 3, 30, 36 & 37 at Linden Grove last year for testing required as part of the GAP process. Heritage Land Development would now like to convert those lots to production wells. This letter serves as a formal request for those conversions. Please advise me if permit fees were paid when we applied for the permits or if they are due to your office.



Michael Barlow
MWD355



HOWARD COUNTY HEALTH DEPARTMENT

63027

Received From

Kimberly/ Heritage 6/11/18 MS
DATE PHONE #

CASH
 CHECK

For

Well Completion Reports -
lot 1, 2, 3, 30, 36, 37 Linden Grove

NO. 1099

Nine hundred sixty Dollars

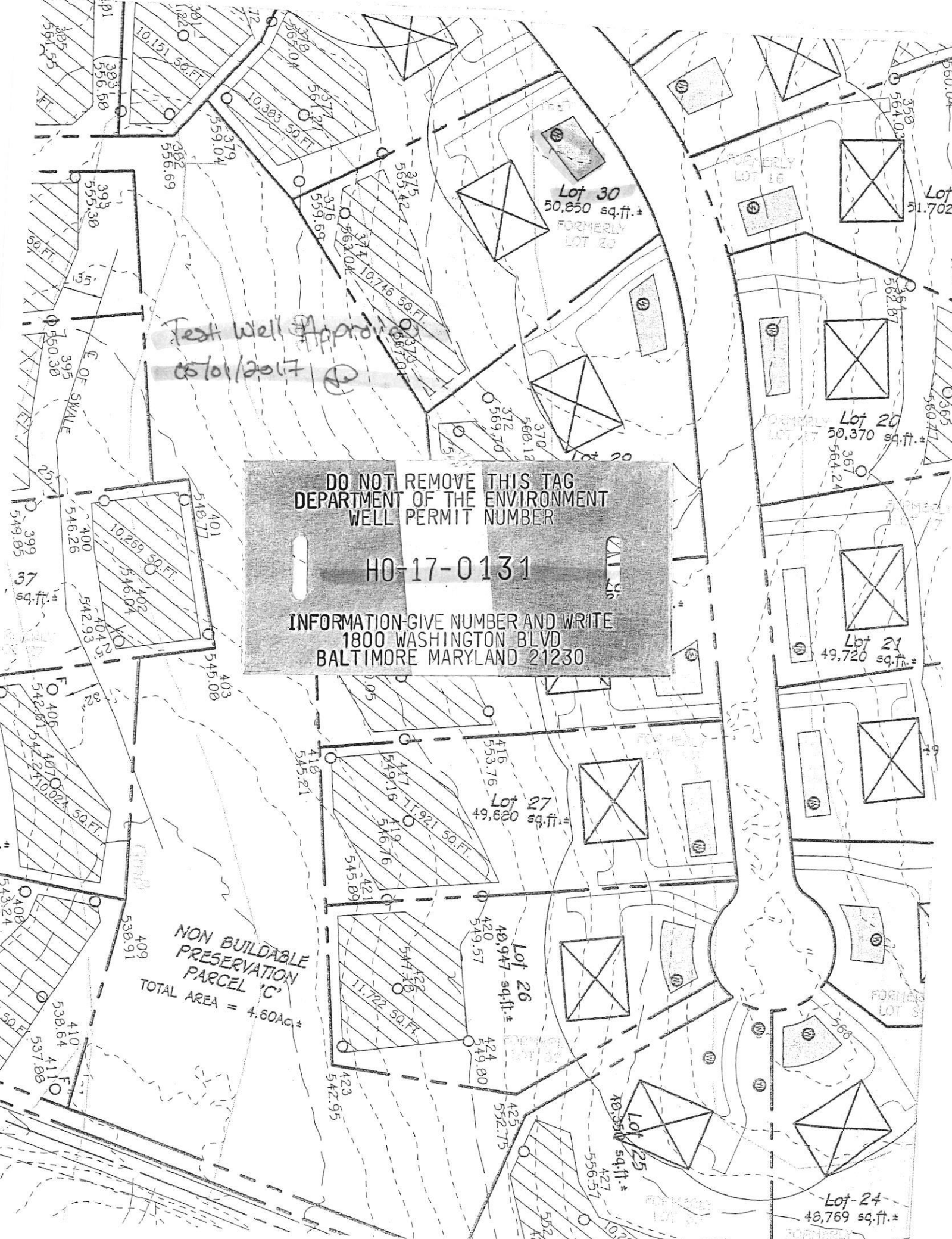
\$ 960.00

Received By

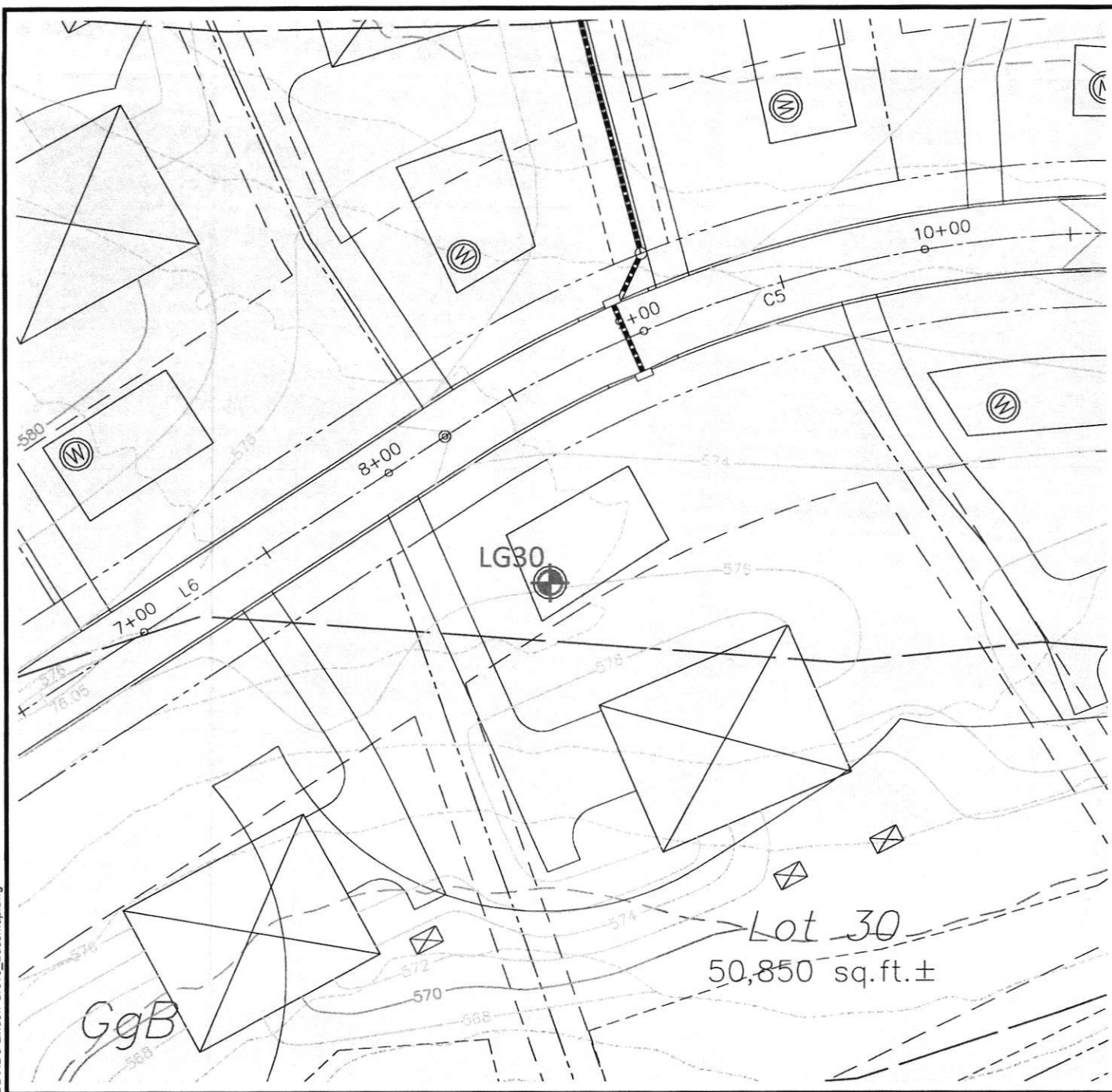
King

Test Well Approved
05/01/2017

DO NOT REMOVE THIS TAG
DEPARTMENT OF THE ENVIRONMENT
WELL PERMIT NUMBER
H0-17-0131
INFORMATION-GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230



H:\Projects\Heritage Land Development\Linden Grove\CADD\HDC-Linden-Grove_Basemap.dwg

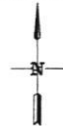
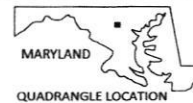



LEGEND

 Proposed Test Well Site

NOTE:

Aerial Photo Base was obtained from the State of Maryland iMap Imagery website (<http://imap.maryland.gov>), categorized as "Howard2016 SixInchImagery" dated 2016.



client: Heritage Development, LLC	
project location: Lisbon, Howard County, Maryland	
 www.hydro-terra.com	project: Linden Grove
	Water Supply Permitting
	Proposed Test Well LG30
	Location Map
file no. HDC-Linden-Grove_Basemap.dwg	figure: f
drawn M. Swann	date 03/07/17
checked J. Lindaw	date 03/07/17
approved M. Haufler	date 03/07/17

Plotted on: March 23, 2017



MICHAEL BARLOW WELL DRILLING & SERVICE, INC.

522 Underwood Lane
 (410) 838-6910

Bel Air, Maryland 21014
 Fax (410) 838-3582

WELL YIELD REPORT

Date Test Completed:	August 25, 2017		
Well Depth:	300	feet	
Customer	Heritage Land Development	Permit #	HO-17-0131
Road	Daisy Road	Subdivision	Linden Grove
City	Lisbon	Section	
State	Maryland	Lot #	30

Time	Water Level In Feet	Time to Fill 1-gallon bucket seconds	G.P.M.
9:30 AM	35	5	12.00
9:45 AM	90	15	4.00
10:00 AM	90	15	4.00
10:15 AM	90	15	4.00
10:30 AM	90	15	4.00
10:45 AM	90	15	4.00
11:00 AM	90	15	4.00
11:15 AM	90	15	4.00
11:30 AM	90	15	4.00
11:45 AM	90	15	4.00
12:00 PM	90	15	4.00
12:15 PM	90	15	4.00
12:30 PM	90	15	4.00
12:45 PM	90	15	4.00
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.			

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JANUARY 26, 2023

July 26, 2022

Homeowner
1424 Heritage Ridge Road
Woodbine, MD 21797

RE: Linden Grove, Lot 38
1424 Heritage Ridge Rd
Building Permit: B21003177
Well Permit: HO-17-0131

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 **7/25/2022**. Final approval of the well line connection to the dwelling was granted on **4/14/2022**. The well construction was completed on **8/25/2017**. Water samples were collected on **6/29/2022, 7/12/2022**.

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-17-0131. 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>

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 #: 152936 Account #: 1933
Reference: Linden Grove Lot 38 Client: Fogle's Well Pump & Treatment
Location: 1424 Heritage Ridge Road Requested By: Dave Fogle
Woodbine, MD 21797 Source: Well Water
Date/ Time Collected: 6/29/2022 0840 Site: Pressure Tank
Date/Time Rec'd: 6/29/2022 0926 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.2
Collected By: J. Evans 0309JE Well #: HO-17-0131

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	12.4	MPN/ 100 ml	<1.0	SM20 9223B	6/30/2022 / 0900 / TSD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	6/30/2022 / 0900 / TSD
Nitrate.	7.70	mg/L	10	EPA 300.0	6/29/2022 / 1853 / TSD
Turbidity	0.42	NTU	<10	SM2130B	6/30/2022 / 0845 / TSD
Sand	>5	mg/L	5	Visual/Gravimetric	6/29/2022 / 1450 / 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 Visual well check: Sealed, vented cap
- 8 pH and Chlorine level tested in lab (pH tested after recommended holding time)

Reason for Test : Use & Occupancy

Building Permit # : B21003177

Date Reported: 6/30/2022

FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

REPORT OF ANALYSIS

Laboratory ID #: 153195 Account #: 1933
Reference: Linden Grove Lot 38 Client: Fogle's Well Pump & Treatment
Location: 1424 Heritage Ridge Road Requested By: Dave Fogle
Woodbine, MD 21797 Source: Well Water
Date/ Time Collected: 7/12/2022 1055 Site: Restroom Sink
Date/Time Rec'd: 7/12/2022 1254 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 5.9
Collected By: J. Evans 0309JE Well #: HO-17-0131

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM20 9223B	7/13/2022 / 0830 / TSD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	7/13/2022 / 0830 / TSD
Sand	ND ✓	mg/L	5	Visual/Gravimetric	7/12/2022 / 1440 / 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 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
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Reason for Test : Use & Occupancy

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Date Reported: 7/13/2022