

C1 24972

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

ST/CO USE ONLY DATE Received

DATE WELL COMPLETED

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER: Heritage Land Development; WELL SITE ADDRESS: Heritage Ridge Rd; TOWN: Woodbine; SUBDIVISION: Linden Grove; SECTION: ; LOT: 35

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Soil, Brown Shale, Light Brown Shale, Soft Gray Rock, Med Gray Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y); TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC); NO. OF BAGS: 26; NO. OF POUNDS: 1950; DEPTH OF GROUT SEAL: 0 to 70 ft.

CASING RECORD: MAIN CASING TYPE: PL; Nominal diameter: 6 inch; Total depth of main casing: 70 feet.

OTHER CASING (if used): PL; diameter: 4 1/2 inch; depth: 75 to 170 feet.

SCREEN RECORD: screen type: HO (OPEN HOLE); insert appropriate code below.

NUMBER OF UNSUCCESSFUL WELLS: 0; WELL HYDROFRACTURED: Y

CIRCLE APPROPRIATE LETTER: A (Abandoned and sealed), 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 MWD 355; DRILLERS SIGNATURE; LIC. NO. 1 WRO D 113

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

DEPTH (nearest ft.): HO 70 300; SLOT SIZE 1 2 3; DIAMETER OF SCREEN (NEAREST INCH): 56 to 60

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

MDE USE ONLY (NOT TO BE FILLED IN BY DRILLER); TELESCOPE CASING; LOG INDICATOR; OTHER DATA

PUMPING TEST: HOURS PUMPED: 3; PUMPING RATE: 12.0 gal. per min.; METHOD USED TO MEASURE PUMPING RATE: Watch/Bucket; WATER LEVEL: 36 ft. before, 150 ft. when pumping; TYPE OF PUMP USED: S (submersible)

PUMP INSTALLED: DRILLER INSTALLED PUMP (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); PUMP HORSE POWER; PUMP COLUMN LENGTH; CASING HEIGHT: + above, - below LAND SURFACE

LATITUDE 39.32980; LONGITUDE 77.06136 (DEFAULT COORD. WGS 84)

NOTES:

B 1	68363	SEQUENCE NO. (MDE USE ONLY)	STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL 567894K please type	STATE PERMIT NUMBER H0 - 20 - 0029 fill in this form completely
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OWNER INFORMATION

Date Received (APA) 07/08/20

8 MM DD YY 13

15 Last Name Heritage Owner Land Development First Name 34

36 Street or RFD PO Box 482 55

57 Town Lisbon Md 70 State 21765 Zip 76

B 3 LOCATION OF WELL

8 COUNTY Howard 21

23 SUBDIVISION Linden Grove 42

SECTION 44 46 LOT 35 48 50

52 NEAREST TOWN Wardline 71

DRILLER INFORMATION

Driller's Name Michael Barrow M W D 355 76 License No. 81

Firm Name Barrow Well Drilling

Address 522 Underwood Ln, Bel Air, Md 21014

Signature [Signature] Date 7-1-2020

B 4 SOURCES OF DRILLING WATER

11 STREET ADDRESS Heritage Ridge Rd 30

1. Well

2.

3.

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

34 40 37 NORTH SOUTH WEST EAST

DISTANCE FROM ROAD ENTER FT OR MI 38 39

TAX MAP: 8 BLK: 7 PARCEL 5

B 2 WELL INFORMATION

1 2 APPROX. PUMPING RATE 5 (GAL. PER MIN.) 8 12

AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 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

COUNTY NAME Howard COUNTY NO. 13

STATE SIGNATURE [Signature] INSERT S → 41

DATE ISSUED 07/21/20 CO SIGNATURE [Signature] EXP. DATE 07/21/21

43 MM DD YY 48

DDN: 8/18/2007 DRG: 8/20/20

APPROXIMATE DEPTH OF WELL 300 FEET 24 28

APPROXIMATE DIAMETER OF WELL 6 INCH NEAREST

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) 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

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.

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

APPROP. PERMIT NUMBER H02017G002(01)

PERMIT No. H0-20-0029

70 71 72 73 74 75 76 77 78 79

SPECIAL CONDITIONS

NOTE: APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED.



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 28, 2020
	Well Depth:	300 feet
Customer	Heritage Land Development	Permit # HO-20-0029
Road	Daisy Road	Subdivision Linden Grove
City	Lisbon	Section
State	Maryland	Lot # 35

Time	Water Level In Feet	Time to Fill 1-gallon bucket seconds	G.P.M.
7:30 AM	36	4	15.00
7:45 AM	101	4	15.00
8:00 AM	150	5	12.00
8:15 AM	150	5	12.00
8:30 AM	150	5	12.00
8:45 AM	150	5	12.00
9:00 AM	150	5	12.00
9:15 AM	150	5	12.00
9:30 AM	150	5	12.00
9:45 AM	150	5	12.00
10:00 AM	150	5	12.00
10:15 AM	150	5	12.00
10:30 AM	150	5	12.00
10:45 AM	150	5	12.00
11:00 AM	150	5	12.00

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.

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: Linden Grove Lot #: 35 Well Tag #: HO-20-0029
 Site Address: 1442 Heritage Ridge Rd
Woodbine, MD 21797 ✓ 12/21/2022

Submersible Pump Data	Pitless Adapter	Well Cap and Electric Conduit
Make: <u>Grundfos</u>	Make: Campbell	Two piece watertight cap: yes
Model #: <u>1550E01-180</u>	Model#: N/A	Screened, vented well cap: yes
Pump Capacity: <u>15</u>	GPM Depth: 36" (36" min)	Cap secured to casing: yes
Well Yield: <u>12</u>	GPM NSF/WSC approved: yes	Conduit min 18" B.G.: yes
Depth of well encountered at time of pump installation: <u>300</u> (feet)		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 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	House Connection
Type: 1" poly pipe	PVC sleeve to undisturbed soil at wall penetration: yes
PSI: 200 psi (160 psi min)	Length of sleeve (5' minimum from foundation): 6'
Depth of supply line: 36" (36" min)	Sleeve sealed properly: yes

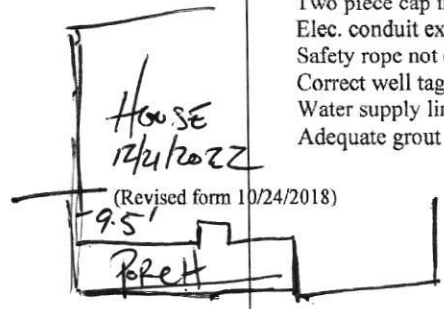
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Signature of company representative responsible for installation: [Signature] Date: 12/20/2022

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

Date Insp. Requested: 12/21/2022 Date Insp. Approved: 12/21/2022 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

41" ✓ 12/21/2022
 34" ✓ 12/21/2022
 24" ✓ 12/21/2022



(Revised form 10/24/2018)



Howard County
Health Department

7178 Columbia Gateway Dr., Columbia, MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

TO ALL INTERESTED PARTIES

When submitting a well application for a proposed well for new construction, please indicate one of the following:

Well Site Location:

Linden Grove	35	Heritage Ridge Rd.
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by Fisher, Collins & Carter,
(professional land surveyor or company employing professional land surveyors)
on 06/16/20 (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.

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

HO-20- 0029

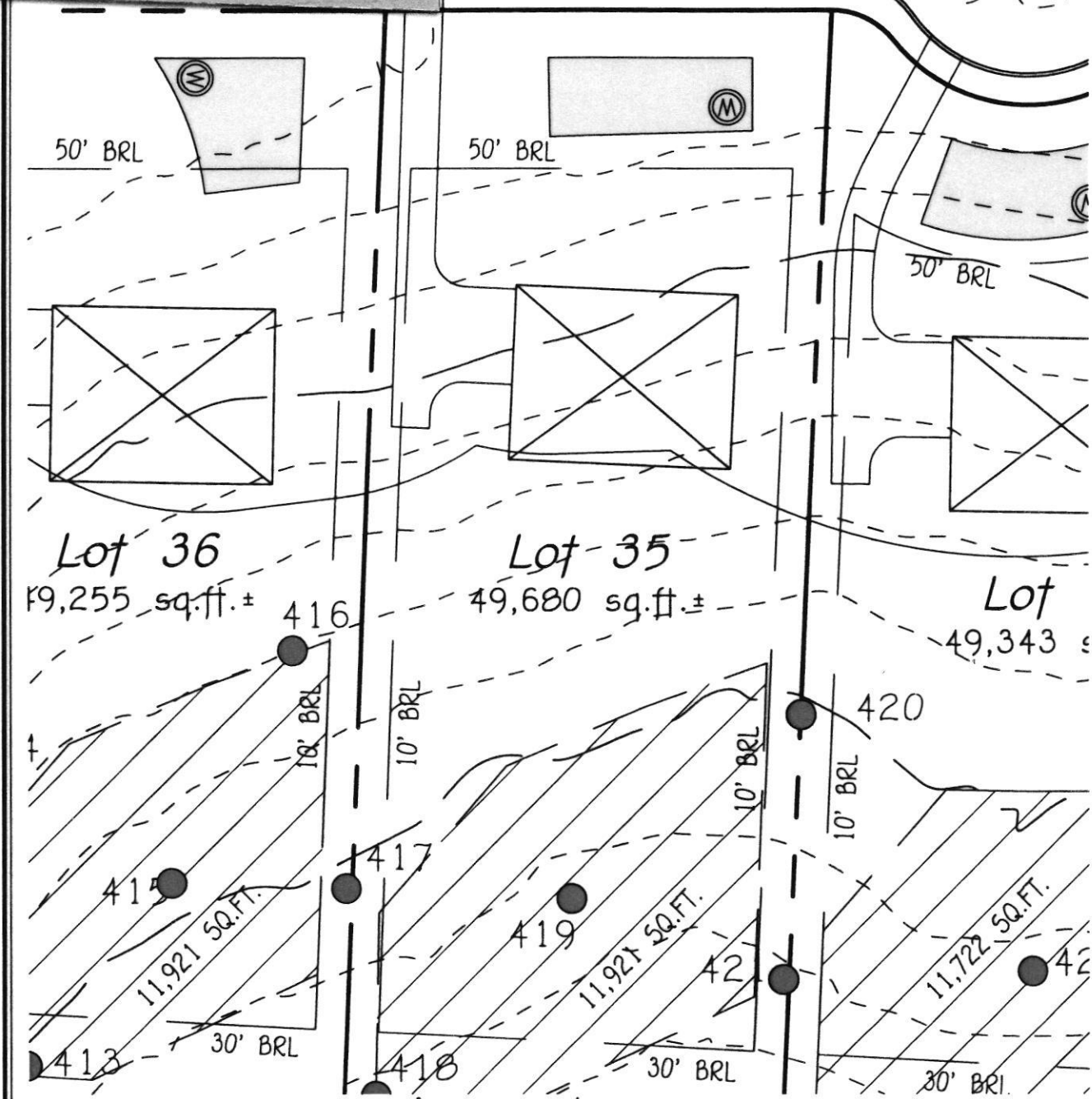
INFORMATION - GIVE NUMBER AND WRITE
1800 WASHINGTON BLVD
BALTIMORE MARYLAND 21230

Linden Grove, Lot 35

Approved 7/21/20 (ST)

Stated by FCC

Heritage Ridge Road



FISHER, COLLINS & CARTER, INC.
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
ELLCOTT CITY, MARYLAND 21042
(410) 461 - 2855



EXHIBIT TO ACCOMPANY WELL PERMIT

LOT 35
LINDEN GROVE
PHASE TWO

ZONED: RC-DEO

TAX MAP No. 8 GRID No. 7 PARCEL No. 5
HOWARD COUNTY, MARYLAND SCALE 1" = 50'

DATE: MAY 6, 2020

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

MEMORANDUM

TO: M. Barlow Well Drilling
522 Underwood Lane
Bel Air, MD 21014

FROM: Susan Thomas
Environmental Health Specialist
Howard County Health Department
Well & Septic Program

RE: Linden Grove Lots 24-37 & 39
Special Conditions for wells

DATE: July 21, 2020

The following comments apply to the above referenced Well Permit Applications. Please read through and complete as needed.

- A. The wells for the Linden Grove subdivision lots 24 thru 37 & 39 were staked with only one selected well site per the approved percolation certification plan signed 09/11/2018. If the well driller cannot confirm a successful well on this one well site, they will need to have the surveyor come back out and stake out the entire well box/alt well sites. This will need to be verified through the Health Department.**

- B. Lots 26, 30 & 36 will require samples for Sodium, Chloride and TDS to be collected at the time of the Yield Test.**