



B 1 20074 SEQUENCE NO. (MDE USE ONLY) STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL STATE PERMIT NUMBER HO-95-2687  
 1 2 3 4 5 6 please type 5463084 fill in this form completely 70 79

Date Received (APA) 04/11/14  
**OWNER INFORMATION**  
 8 MM DD YY 13  
 15 Last Name Land Design + Development Owner First Name 34  
 36 Street or RFD 5300 Dorsey Hall Dr, suite 102 55  
 57 Town Ellicott City, Md State 70 72 Zip 76 21043

B 3 **LOCATION OF WELL**  
 8 COUNTY Howard 21  
 23 SUBDIVISION Fulton Manor Valley 42  
 SECTION 9 LOT part 2  
 44 46 48 50  
 52 NEAREST TOWN Fulton 71

**DRILLER INFORMATION**  
 Driller's Name Michael Barlow MWD 355 76 License No. 81  
 Firm Name Barlow Well Drilling  
 Address 582 Underwood Ln, 21014  
 Signature [Signature] Date 4-10-14

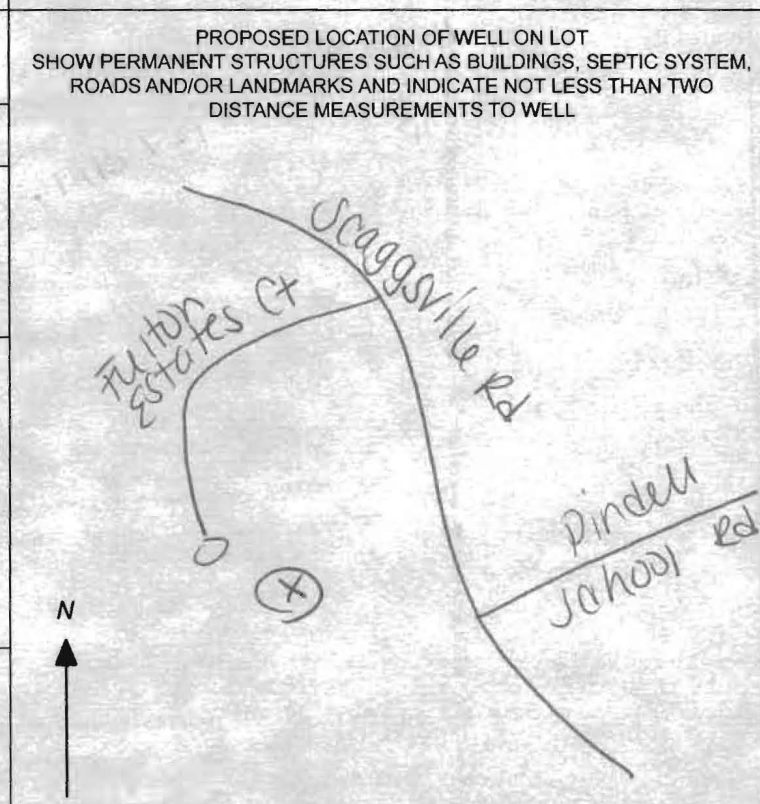
B 4 **SOURCES OF DRILLING WATER**  
 1. Well  
 2.  
 3.  
 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)  
 NORTH  WEST  EAST  SOUTH   
 34 500 37  
 DISTANCE FROM ROAD ENTER FT OR MI 38 39  
 TAX MAP: \_\_\_\_\_ BLK: \_\_\_\_\_ PARCEL \_\_\_\_\_

B 2 **WELL INFORMATION**  
 1 2 APPROX. PUMPING RATE (GAL. PER MIN.) 5 8 12  
 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 750 14 20

**USE FOR WATER** (CIRCLE APPROPRIATE BOX)  
 D DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION  
 F FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION)  
 I INDUSTRIAL, COMMERCIAL, DEWATERING  
 P PUBLIC WATER SUPPLY WELL  
 T TEST, OBSERVATION, MONITORING  
 O OPEN LOOP GEOTHERMAL  
 C CLOSED LOOP GEOTHERMAL

**NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL**  
 COUNTY NAME Howard COUNTY NO. 13  
 STATE SIGNATURE \_\_\_\_\_ INSERT S → 41  
 DATE ISSUED 04/15/2014 CO SIGNATURE [Signature] EXP. DATE 4/15/15  
 43 MM DD YY 48

APPROXIMATE DEPTH OF WELL 300 FEET 24 28  
 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)  
 N THIS WELL WILL NOT REPLACE AN EXISTING WELL  
 Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED  
 S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS  
 D THIS WELL WILL DEEPEMED 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 \_\_\_\_\_ G \_\_\_\_\_  
 PERMIT No. HO-95-2687  
 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  
 (410) 838-6910

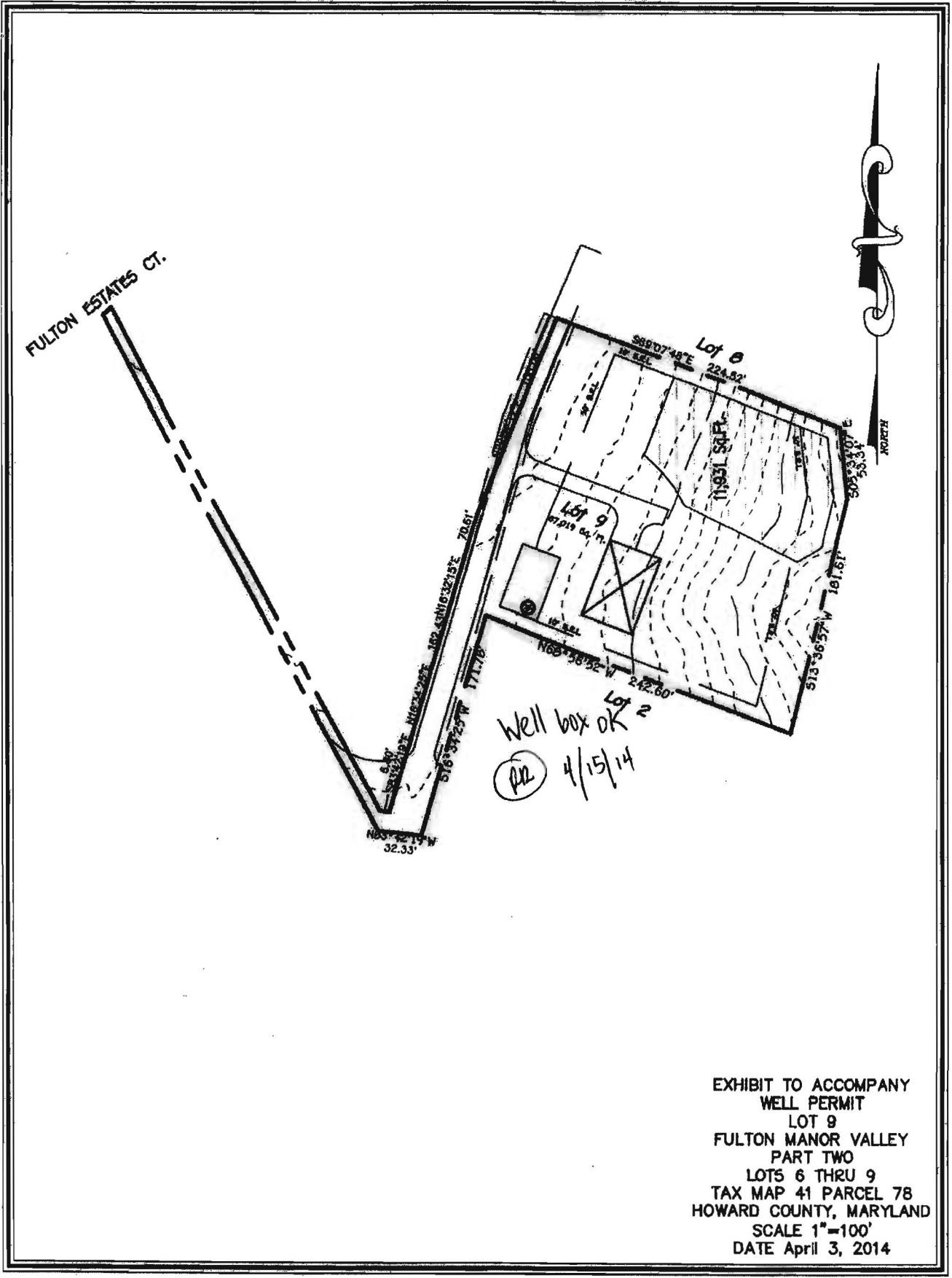
Bel Air, Maryland 21014  
 Fax (410) 838-3582

**WELL YIELD REPORT**

|                      |                           |             |                     |
|----------------------|---------------------------|-------------|---------------------|
| Date Test Completed: | September 5, 2014         |             |                     |
| Well Depth:          | 300                       | feet        |                     |
| Customer             | Land Design & Development | Permit #    | HO-95-2687          |
| Road                 | Fulton Estates Court      | Subdivision | Fulton Manor Valley |
| City                 | Fulton                    | Section     |                     |
| State                | Maryland                  | Lot #       | 9                   |

| Time                                                                                                                                                                | Water Level feet | Time to Fill 1-gallon bucket seconds | G.P.M. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|--------------------------------------|--------|
| 8:30 AM                                                                                                                                                             | 41               | 4                                    | 15.00  |
| 8:45 AM                                                                                                                                                             | 130              | 5                                    | 12.00  |
| 9:00 AM                                                                                                                                                             | 190              | 20                                   | 3.00   |
| 9:15 AM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 9:30 AM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 9:45 AM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 10:00 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 10:15 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 10:30 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 10:45 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 11:00 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 11:15 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 11:30 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 11:45 AM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 12:00 PM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 12:15 PM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 12:30 PM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 12:45 PM                                                                                                                                                            | 195              | 24                                   | 2.50   |
| 1:00 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 1:15 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 1:30 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 1:45 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 2:00 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 2:15 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 2:30 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 2:45 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
| 3:00 PM                                                                                                                                                             | 195              | 24                                   | 2.50   |
|                                                                                                                                                                     |                  |                                      |        |
|                                                                                                                                                                     |                  |                                      |        |
| 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. |                  |                                      |        |

I:\2011\11015\dwg\11015-7001 Well Exhibit Lot 9.dwg, Model, 4/3/2014 1:48:20 PM, 1:100



**HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
WATER AND SEWERAGE PROGRAM  
TEL: (410)313-2640 FAX: (410)313-2648**

**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: NATIONAL WATER SERVICE Telephone #: 301-854-1333  
Address: P.O. Box 138  
ASHTON MD 20861

(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 RYCKE License# PI 0145

\*A licensed individual must perform the actual installation. Apprentices must be under the direct supervision of a licensed journeyman or master plumber, pump installer or well driller. Licenses may be subjected to field verification.

Name of Property Owner: MITCHELL + BEST Telephone #: \_\_\_\_\_  
Subdivision: FULTON ESTATES Lot #: 9 Well Tag #: HO-95-2687  
Site Address: 12159 FULTON ESTATES CT  
FULTON

|                                                                                                         |                            |                                                                  |
|---------------------------------------------------------------------------------------------------------|----------------------------|------------------------------------------------------------------|
| <b>Submersible Pump Data</b>                                                                            | <b>Pitless Adapter</b>     | <b>Well Cap and Electric Conduit</b>                             |
| Make: <u>GRUND 705</u>                                                                                  | Make: <u>Campbell</u>      | Two piece watertight cap: <input checked="" type="checkbox"/>    |
| Model #: <u>15 506</u>                                                                                  | Model#: <u>PA 800</u>      | Screened, vented well cap: <input checked="" type="checkbox"/>   |
| Pump Capacity <u>15</u> GPM                                                                             | Depth: <u>48</u> (36" min) | Cap secured to casing: <input checked="" type="checkbox"/>       |
| Well Yield: <u>2.5</u> GPM                                                                              | NSF approved: <u>YES</u>   | Conduit min 18" B.G.: <input checked="" type="checkbox"/>        |
| Depth of well encountered at time of pump installation: <u>300</u> (feet)                               |                            | Conduit secured to well cap: <input checked="" type="checkbox"/> |
| If pump capacity exceeds well yield, a low water cut off switch is required by NSPC 1990 Section 17.8.4 |                            |                                                                  |
| Torque arrestors or Cable guards are required - Must circle one                                         |                            |                                                                  |
| Safety rope, if used, attached to inside of well casing with eye bolt <u>N/A</u>                        |                            |                                                                  |

|                                           |                                                                 |
|-------------------------------------------|-----------------------------------------------------------------|
| <b>Piping to house</b>                    | <b>House Connection</b>                                         |
| Type: <u>P/V</u>                          | PVC sleeved to undisturbed soil at wall penetration: <u>YES</u> |
| PSI: <u>160</u> (160 psi min)             | Approximate length of sleeve: <u>5'</u>                         |
| Depth of supply line: <u>4'</u> (36" min) | Sleeve caulked and sealed properly: <u>YES</u>                  |

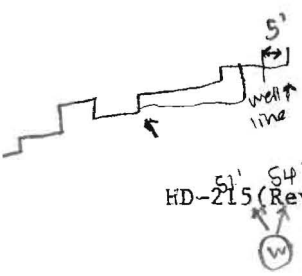
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

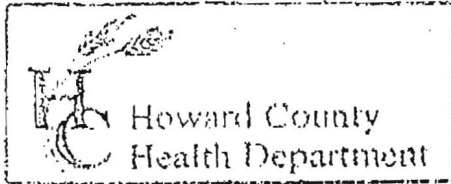
Signature of company representative responsible for installation \_\_\_\_\_ date 3/22/17

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

Date Insp. Requested: 3/23/17 Date Insp. Approved: 3/23/17 SC

|                                                                                 |                                     |
|---------------------------------------------------------------------------------|-------------------------------------|
| Inspection Data: Pitless adapter and water supply line at least 36" below grade | <input checked="" type="checkbox"/> |
| Two piece cap installed and attached to casing securely                         | <input checked="" type="checkbox"/> |
| Elec. conduit extends at least 18" below grade/attached to cap properly         | <input checked="" type="checkbox"/> |
| Safety rope installed inside of well casing                                     | <input checked="" type="checkbox"/> |
| Correct well tag attached properly and casing 8" above finished grade           | <input checked="" type="checkbox"/> |
| Water supply line sleeved adequately at house connection                        | <input checked="" type="checkbox"/> |
| Adequate grout observed below pitless adapter                                   | <input checked="" type="checkbox"/> |





3525 H Ellicott Mills Drive, Ellicott City, MD 21043  
 (410) 313-2640 Fax (410) 313-2648  
 TDD (410) 313-2323 Toll Free 1-866-313-6300  
 website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

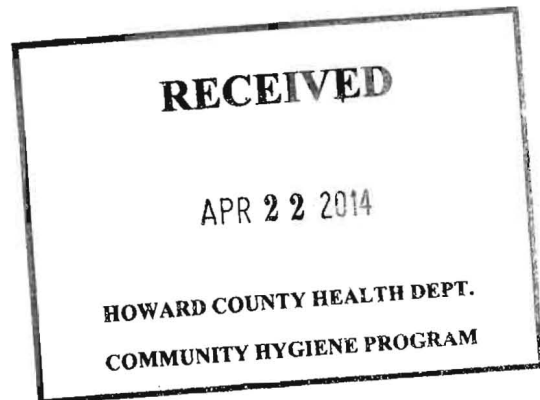
When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

- The well site has been staked by Fulton Manor Valley Lots 1 thru 9  
 (professional land surveyor or company employing professional land surveyors)  
 on 4/21/14 (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 6/10/03

Michael Ison  
 Barlow Well Drilling



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

**FAX TRANSMITTAL FORM**

**DATE:** 4/22/14

**TO:** Ryan

**COMPANY NAME:**

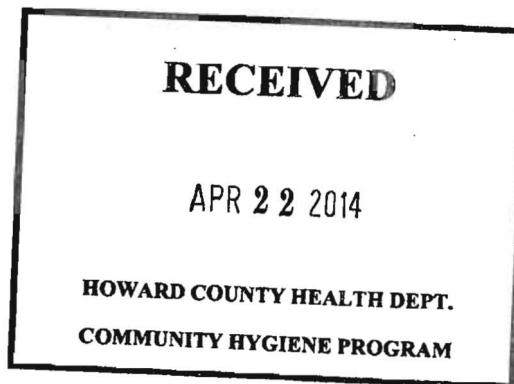
**FAX NUMBER:** 410-313-2648

**RE:** Well stakes at Fulton Manor Valley

**Number of Pages including cover:** 2

**Message:** All 9 lots at Fulton Manor Valley have been staked by Fisher, Collins & Carter. Please let me know when the permits are available and I will have someone pick them up.

Mike Isom



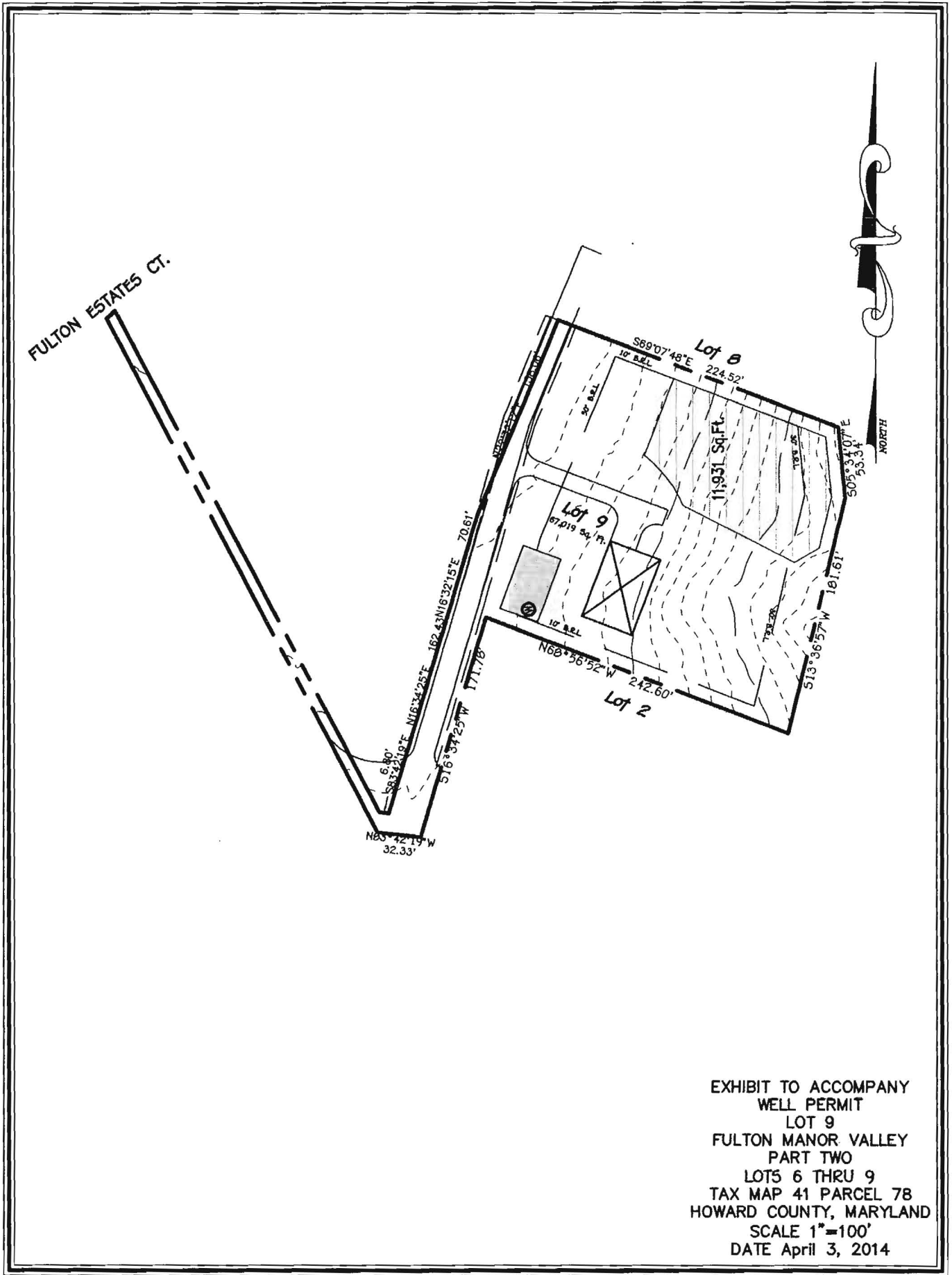
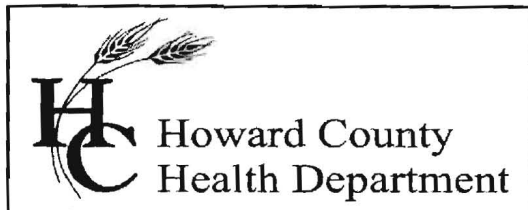


EXHIBIT TO ACCOMPANY  
WELL PERMIT  
LOT 9  
FULTON MANOR VALLEY  
PART TWO  
LOTS 6 THRU 9  
TAX MAP 41 PARCEL 78  
HOWARD COUNTY, MARYLAND  
SCALE 1"=100'  
DATE April 3, 2014



## 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](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: HowardCoHealthDep

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

---

### INTERIM CERTIFICATE OF POTABILITY

Expiration Date – November 16, 2017

May 16, 2017

Homeowner  
12159 Fulton Estates Drive  
Fulton, MD 20759

**RE: Fulton Manor Valley, Lot 9  
12159 Fulton Estates Drive  
Building Permit: B16001562  
Well Permit: HO-95-2687**

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 **5/15/2017**. Final approval of the well line connection to the dwelling was granted on **3/23/2017**. The well construction was completed on **9/5/2014**. Water samples were collected on **5/8/2017**.

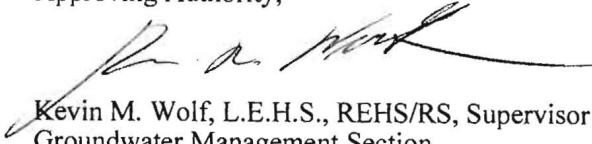
The water sample results indicate that the water samples submitted for testing were free of coliform and fecal coliform bacteria at the time of sampling and are bacteriologically safe for drinking. This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-2687. 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>

Approving Authority,

A handwritten signature in black ink, appearing to read 'Kevin M. Wolf', is written over the printed name.

Kevin M. Wolf, L.E.H.S., REHS/RS, 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 FAX (410) 848-0298

## REPORT OF ANALYSIS

Laboratory ID #: 114295 Account #: 3123  
Reference: Douglas Homes Lot 9 Company: National Water Servicing  
Location: 12159 Fulton Estates Court Requested By: Dave Rycke  
Fulton, MD 20759 Source: Well Water  
Date/ Time Collected: 5/8/2017 1040 Site: Pressure Tank  
Date/Time Rec'd: 5/8/2017 1149 Treatment: None  
Chlorine ppm: Free: ND Total: ND pH: 7.5  
Collected By: J. Yeager 6176JY Well #: HO-95-2687

| PARAMETERS                     | RESULTS | UNITS       | REFERENCE | METHOD             | DATE/TIME/ANALYST     |
|--------------------------------|---------|-------------|-----------|--------------------|-----------------------|
| Bacteria, Coliform, Total, MPN | <1.0    | MPN/ 100 ml | <1.0      | SM18 9223          | 5/9/2017 / 1030 / CCH |
| Bacteria, E. coli, MPN         | <1.0    | MPN/ 100 ml | <1.0      | SM18 9223          | 5/9/2017 / 1030 / CCH |
| Nitrate                        | <1.0    | mg/L        | 10        | 601                | 5/9/2017 / 0915 / CRS |
| Turbidity                      | 0.51    | NTU         | <10       | SM18 2130B         | 5/9/2017 / 0930 / CRS |
| Sand                           | NS      | mg/L        | 5         | Visual/Gravimetric | 5/9/2017 / 0930 / CRS |

### 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 NS = None Seen (NS indicates less than 5 mg/L)
- 4 NTU = Nephelometric Turbidity Units
- 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 Visual well check: Sealed, vented cap
- 8 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy  
Building Permit # : B16001562

Date Reported: 5/9/2017