

**DRILLER: REMOVE COPY AND RETAIN FOR YOUR RECORDS. RETURN COUNTY COPY TO COUNTY ENVIRONMENTAL AGENCY. SUBMIT COPY TO OWNER. RETURN ALL OTHER PARTS TO DEPARTMENT OF ENVIRONMENT, 2500 BROENING HIGHWAY, BALTIMORE, MARYLAND 21224.**

<b>C1</b> 3479	SEQUENCE NO. (MDE USE ONLY)	<b>STATE OF MARYLAND WELL COMPLETION REPORT</b> FILL IN THIS FORM COMPLETELY PLEASE TYPE	THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.
1 2 3 6 (THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)			COUNTY NUMBER <b>(13) A514619</b>

ST/GO USE ONLY DATE Received MM DD YY 8 13	DATE WELL COMPLETED MM DD YY 15 5 21 04	Depth of Well 22 340 26 (TO NEAREST FOOT)	PERMIT NO. FROM "PERMIT TO DRILL WELL" <b>HO-94-3936</b> 28 29 30 31 32 33 34 35 36 37
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OWNER Preserve at Waverly Glen, LLC  
 STREET OR RFD Mount Denali Drive TOWN Woodstock  
 SUBDIVISION Preserve at Waverly Glen SECTION \_\_\_\_\_ LOT 21

WELL LOG			
Not required for driven wells			
STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING			
DESCRIPTION (Use additional sheets if needed)	FEET		check if water bearing
	FROM	TO	
Top Soil	0	2	
Sandy	2	19	✓
Sand Stone	19	20	
Micka	20	55	
Sand Stone	55	60	✓
Micka	60	200	
Flint Rock	200	205	✓
Micka	205	340	

GROUTING RECORD	
WELL HAS BEEN GROUTED (Circle Appropriate Box)	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N 44 44
TYPE OF GROUTING MATERIAL (Circle one)	
CEMENT <input checked="" type="checkbox"/> CM	BENTONITE CLAY <input type="checkbox"/> BC
NO. OF BAGS <u>13</u>	NO. OF POUNDS <u>1300</u>
GALLONS OF WATER <u>78</u>	
DEPTH OF GROUT SEAL (to nearest foot)	
from <u>0</u> ft. to <u>23</u> ft.	48 TOP 52 ft. to 54 BOTTOM 58 ft.
(enter 0 if from surface)	

CASING RECORD	
casing types insert appropriate code below	<input checked="" type="checkbox"/> ST <input type="checkbox"/> CO STEEL CONCRETE
	<input checked="" type="checkbox"/> PL <input type="checkbox"/> OT PLASTIC OTHER
MAIN CASING TYPE <u>PL</u>	Nominal diameter top (main) casing (nearest inch) <u>6</u>
	Total depth of main casing (nearest foot) <u>25</u>
60 61 63 64 66 70	

OTHER CASING (if used)	
E A C H C A S I N G	diameter inch _____ depth (feet) from _____ to _____

SCREEN RECORD	
screen type or open hole insert appropriate code below	<input checked="" type="checkbox"/> ST <input type="checkbox"/> BR <input checked="" type="checkbox"/> HO STEEL BRASS OPEN HOLE
	<input type="checkbox"/> PL <input type="checkbox"/> OT PLASTIC OTHER

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 28.04.04 "WELL CONSTRUCTION" AND IN CONFORMANCE WITH ALL CONDITIONS STATED IN THE ABOVE CAPTIONED PERMIT, AND THAT THE INFORMATION PRESENTED HEREIN IS ACCURATE AND COMPLETE TO THE BEST OF MY KNOWLEDGE.

DRILLERS LIC. NO. M SD 117  
 DRILLERS SIGNATURE [Signature]  
 (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

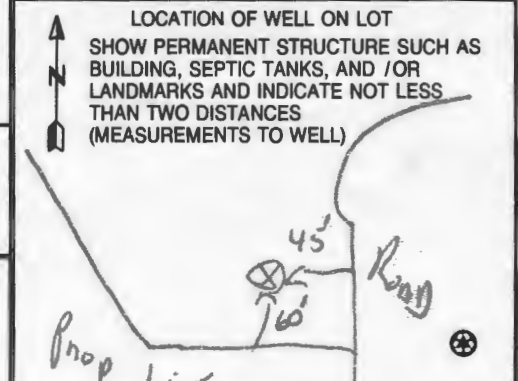
DEPTH (nearest ft.)	
E A C H S C R E E N	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76
	<u>HO</u> <u>23</u> <u>340</u>
	DIAMETER OF SCREEN (NEAREST INCH) _____
	from _____ to _____

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 \_\_\_\_\_

PUMPING TEST	
HOURS PUMPED (nearest hour)	<u>6</u> <u>4</u>
PUMPING RATE (gal. per min.)	<u>2.4</u>
METHOD USED TO MEASURE PUMPING RATE	<u>Bucket</u>
WATER LEVEL (distance from land surface)	
BEFORE PUMPING	<u>17</u> ft.
WHEN PUMPING	<u>145</u> ft.
TYPE OF PUMP USED (for test)	
<input type="checkbox"/> A air	<input type="checkbox"/> P piston
<input type="checkbox"/> C centrifugal	<input type="checkbox"/> R rotary
<input type="checkbox"/> J jet	<input checked="" type="checkbox"/> S submersible

PUMP INSTALLED	
DRILLER INSTALLED PUMP (CIRCLE) (YES or NO)	YES <input type="checkbox"/> NO <input checked="" type="checkbox"/>
IF DRILLER INSTALLS PUMP, THIS SECTION MUST BE COMPLETED FOR ALL WELLS.	
TYPE OF PUMP INSTALLED PLACE (A,C,J,P,R,S,T,O) IN BOX 29	<u>29</u>
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)	<input checked="" type="checkbox"/> + above
LAND SURFACE	<input type="checkbox"/> - below
	<u>2</u> (nearest foot)



B 1 5742

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND PERMIT TO DRILL WELL 519599 please print or type

STATE PERMIT NUMBER HO-94-3936 fill in this form completely

OWNER INFORMATION PRESERVE AT WAVERLY GLEN LLC 3625 PARK AVE ELLICOTT CITY MD 21043

LOCATION OF WELL HOWARD COUNTY The Preserve at Waverly Glen WOODSTOCK

DRILLER INFORMATION RALPH E MAYNE MS D 11 D RALPH E. MAYNE INC 17024 HARDY RD WA AIG MD 21771

MOUNT DENALI DR. ON WHICH SIDE OF ROAD DISTANCE FROM ROAD 30 FT TAX MAP: 10 BLK: 23 PARCEL 102+304

WELL INFORMATION APPROX. PUMPING RATE 5 GAL. PER MIN. AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

USE FOR WATER DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL HOWARD 13 A514619

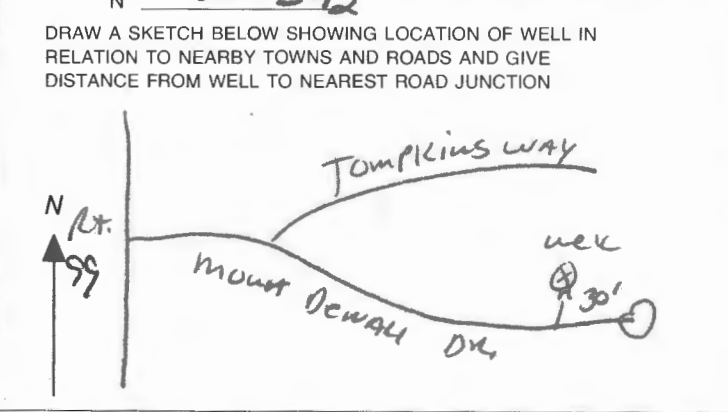
APPROXIMATE DEPTH OF WELL 150 FEET APPROXIMATE DIAMETER OF WELL 6 INCH

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X SOURCES OF DRILLING WATER 1. well

METHOD OF DRILLING (circle one) BORED (or Augered) AIR-ROTARY

REPLACEMENT OR DEEPEMED WELLS THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY) APPROP. PERMIT NUMBER HO2003 6005(01) PERMIT No. HO-94-3936



**FIELD DATA SHEET**  
**HOWARD COUNTY WELL YIELD TEST**

Well Permit No. HO - 94-3936  
 Location of property (road) Mount Denali Drive  
 Subdivision Preserve at Waverly Glen Lot 21 Block \_\_\_\_\_ Plat \_\_\_\_\_ Sec. \_\_\_\_\_  
 Well Driller Ralph Mayne Owner Preserve at Waverly Glen, LLC

Depth of well 340  
 Distance of measuring point (M.P.) above ground 2'  
 Static water level (S.W.L.) below M.P. 12'

**I. High rate pumping -- reservoir drawdown**

Time pump started 8:30 Pumping rate 10 GPM  
 Total time 30 min to reach pumping water level 140 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 time to fill 5 gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:30	170 H	6 Sec	Test Started ↓	10 GPM
9:00	140 H	25 Sec		2.4 GPM
9:15	140 H	25 Sec		2.4 GPM
9:30	140 H	25 Sec		2.4 GPM
9:45	140 "	25 "		2.4 "
10:00	140 "	25 "		2.4 "
10:15	140 "	25 "		2.4 "
10:30	140 H	25 Sec		2.4 GPM
10:45	140 H	25 Sec		2.4 GPM
11:00	140 H	25 Sec		2.4 GPM
11:15	140 "	25 "		2.4 "
11:30	140 "	25 "		2.4 "
11:45	140 "	25 "		2.4 "
12:00	140 H	25 Sec		2.4 GPM
12:15	140 H	25 Sec		2.4 GPM
12:30	140 H	25 Sec		2.4 GPM
12:45	140 "	25 "		2.4 "
1:00	140 "	25 "		2.4 "
1:15	140 "	25 "		2.4 "
1:30	140 H	25 Sec		2.4 GPM
1:45	140 H	25 Sec		2.4 GPM
2:00	140 H	25 Sec		2.4 GPM
2:15	140 "	25 "		2.4 "
2:30	140 "	25 "		2.4 "
HD-224 2:45	140 H	25 Sec		2.4 GPM
3:00	140 H	25 Sec		2.4 GPM



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: DO IT PLUMBING Telephone #: 240 882 0069  
 Address: \_\_\_\_\_

**Must circle one:** Licensed Plumber / Licensed Well Driller / Licensed Well Pump Installer

License # and name of individual responsible for the field installation:

Name (Print): \_\_\_\_\_ License# \_\_\_\_\_

**\*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: \_\_\_\_\_ Telephone #: \_\_\_\_\_  
 Subdivision: \_\_\_\_\_ Lot #: \_\_\_\_\_ Well Tag #: HO - \_\_\_\_ - \_\_\_\_  
 Site Address: \_\_\_\_\_

**Submersible Pump Data**

Make: \_\_\_\_\_  
 Model #: \_\_\_\_\_  
 Pump Capacity \_\_\_\_\_  
 Well Yield: \_\_\_\_\_

**Pitless Adapter**

Make: \_\_\_\_\_ +  
 Model#: \_\_\_\_\_  
 GPM Depth: \_\_\_\_\_ (36" min)  
 GPM NSF/WSC approved: \_\_\_\_\_

**Well Cap and Electric Conduit**

Two piece watertight cap: \_\_\_\_\_  
 Screened, vented well cap: \_\_\_\_\_  
 Cap secured to casing: \_\_\_\_\_  
 Conduit min 18" B.G.: \_\_\_\_\_  
 Conduit secured to well cap: \_\_\_\_\_

Depth of well encountered at time of pump installation: \_\_\_\_\_ (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** \_\_\_\_\_

**Piping to house**

Type: \_\_\_\_\_  
 PSI: \_\_\_\_\_ (160 psi min)  
 Depth of supply line: \_\_\_\_\_ (36" min)

**House Connection**

PVC sleeve to undisturbed soil at wall penetration: \_\_\_\_\_  
 Length of sleeve (5' minimum from foundation): \_\_\_\_\_  
 Sleeve sealed properly: \_\_\_\_\_

**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.**

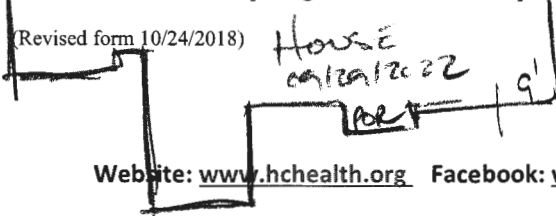
Signature of company representative responsible for installation \_\_\_\_\_ date \_\_\_\_\_

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

Date Insp. Requested: 09/29/2022 Date Insp. Approved: 09/29/2022 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

[Signature]  
 ✓ 42" 09/29/2022  
 ✓ 36" 09/29/2022  
 ✓ 18" 09/29/2022

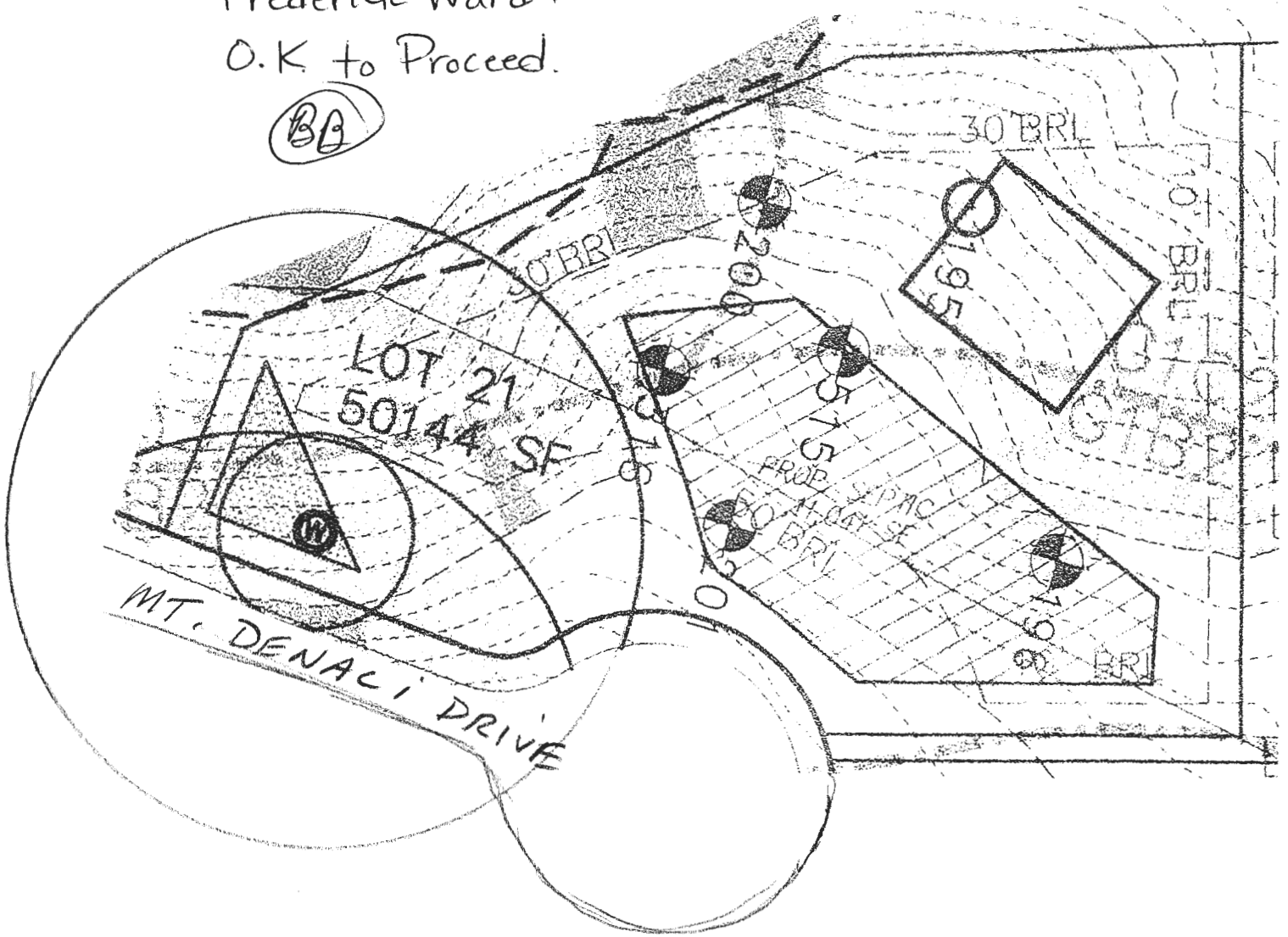
(Revised form 10/24/2018)



PRESERVE AT WAVERLY GLEN

4/26/04  
Well site staked by  
Frederick Ward.  
O.K. to Proceed.

BA



WELL LOCATION SURVEY

SCALE 1" = 50'

UN:

431.9  
3:1

PROP III  
CLASS I RIP-RAP @ 0.00%  
L=10', MIN.(EXTEND TO 35')  
W=12'  
d<sub>50</sub> = 9.5", THICKNESS=19"  
OVER FILTER CLOTH  
d<sub>n</sub> = 1.23'  
V<sub>p</sub> = 5.7 FPS

SHEET 5 OF 15

PROPOSED RETAINING WALL  
MAX HEIGHT 2'  
FOR DETAIL, SEE 5 OF 15

DOUBLE LAYER  
SUPER SLIT FENCE  
IS COINCIDENTAL WITH  
LIMIT OF DISTURBANCE

LOT 21  
50,711 SF  
1.17 AC

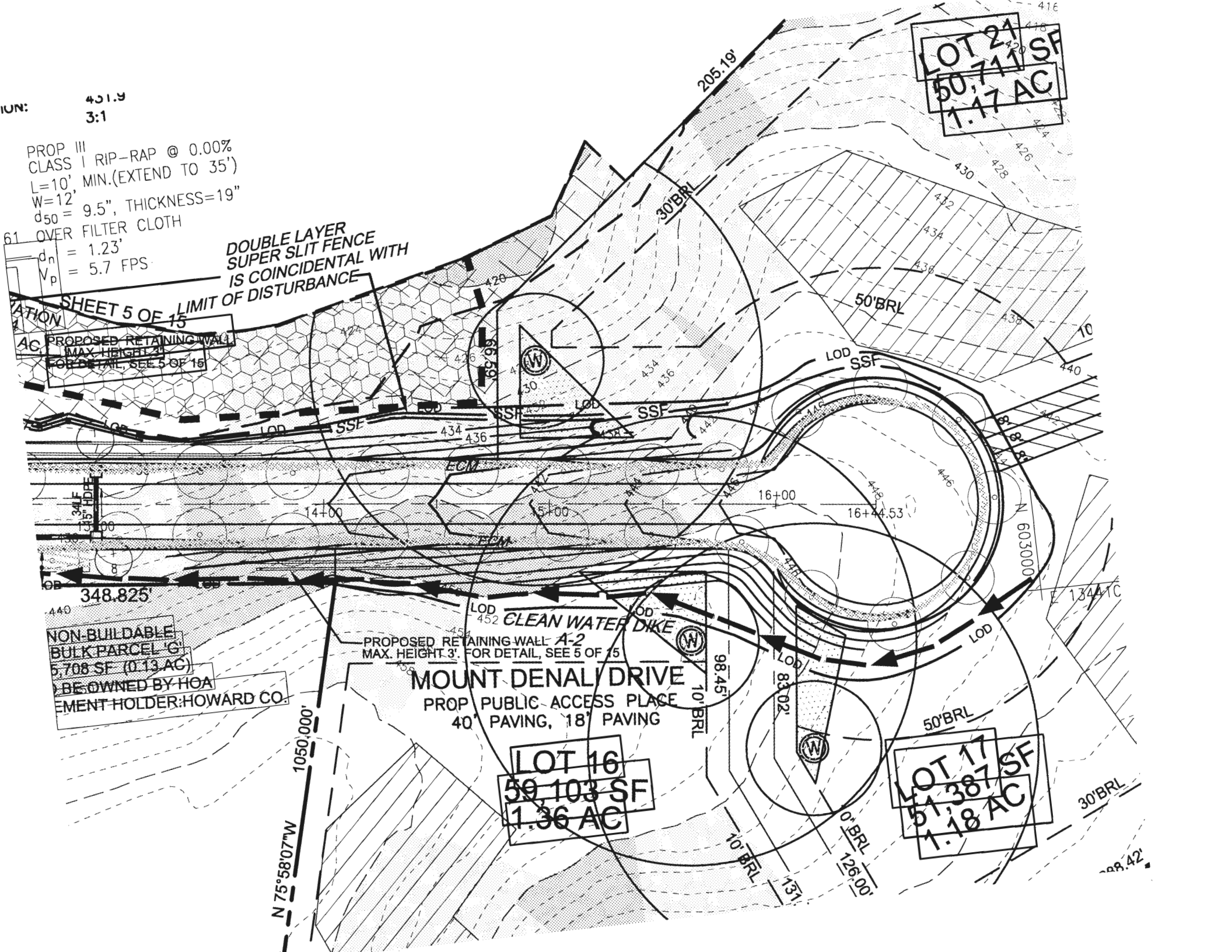
NON-BUILDABLE  
BULK PARCEL 'G'  
5,708 SF (0.13 AC)  
TO BE OWNED BY HOA  
MEMBER HOLDER: HOWARD CO.

PROPOSED RETAINING WALL A-2  
MAX. HEIGHT 3'. FOR DETAIL, SEE 5 OF 15

MOUNT DENALI DRIVE  
PROP PUBLIC ACCESS PLACE  
40' PAVING, 18' PAVING

LOT 16  
59,103 SF  
1.36 AC

LOT 17  
51,387 SF  
1.18 AC



**INTERIM CERTIFICATE OF POTABILITY**  
**PERMANENT DEVIATION FOR RADIUM**

Expiration Date – OCTOBER 20, 2023

April 20, 2023

Homeowner  
1812 Mount Denali Drive  
Woodstock, MD 21163

**RE: The Preserve @ Waverly Glen, Lot 21**  
1812 Mt. Denali Dr.  
**Building Permit: B21004002**  
**Well Permit: HO-94-3936**

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 **3/23/2023**. Final approval of the well line connection to the dwelling was granted on **9/29/2022**. The well construction was completed on **5/21/2004**. Water samples were collected on **3/27/2023**.

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.

Gross Alpha and Beta samples were also collected on **3/27/2023**. Results showed a Gross Alpha level of **26.9 ± 1.2 pCi/L** and a Gross Beta level of **17.1 ± 0.9 pCi/L**. **This exceeds the maximum contaminant level (MCL) combined Radium 226 and 228 of 5.0 pCi/L.**

After installation of a radionuclide removal device (water softener), post-treatment water samples were collected on **3/27/2023** and indicated a combined Radium 226/228 level of **<1.2 pCi/L** which is below the MCL of 5 pCi/L.

This Department will grant a **permanent deviation** to the Interim Certificate of Potability on condition that the radionuclide removal system effectively maintains a Gross Alpha level of less than **15 pCi/L**, a Gross Beta level of less than **50 pCi/L**, and a Radium 226/228 level of less than **5 pCi/L**.

**Furthermore, it will be necessary for you to comply with the following conditions:**

1. The system must be properly operated and maintained continuously in accordance with the service contract for the life of the residence.
2. It is recommended that a Maryland certified water laboratory certified for radionuclide analysis perform a yearly radionuclide analysis.

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

3. If you decide to sell or rent your home in the future, you must make any potential buyer/tenant aware of this permanent deviation. **A person who fails to make this disclosure is subject to the penalties set out in COMAR 26.04.04.12F Enforcement and Environment Article 9-1311, Annotated Code of Maryland.**

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-94-3936. 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 quality 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>

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,



Kevin M Wolf, L.E.H.S., R.E.H.S./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

## REPORT OF ANALYSIS

Laboratory ID #: 158185 Account #: 4035  
Reference: Preserve @ Waverly Glen Lot 21 Client: Trinity Quality Homes, Inc.  
Location: 1812 Mount Denali Drive Requested By: Michael Pfau  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/27/2023 0910 Site: Pressure Tank  
Date/Time Rec'd: 3/27/2023 1524 Treatment: Prior to Softener/Sediment Filter  
Chlorine ppm: Free: ND Total: ND pH: 7.1  
Collected By: R. Ott 0266RO Well #: HO-94-3936

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/28/2023 / 0935 / TSD
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM20 9223B	3/28/2023 / 0935 / TSD
Nitrate.	0.66	mg/L	10	EPA 300.0	3/27/2023 / 1634 / MEW
Sand	ND	mg/L	5	Visual/Gravimetric	3/27/2023 / 1625 / MEW
Turbidity	0.95	NTU	<10	SM2130B	3/27/2023 / 1635 / 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 ND:None Detected
- 6 pH & Chlorine level tested on site
- 7 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B21004002

Date Reported: 3/28/2023

Reviewed By: 

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 158186 Account #: 4035  
Reference: Preserve @ Waverly Glen Lot 21 Client: Trinity Quality Homes, Inc.  
Location: 1812 Mount Denali Drive Requested By: Michael Pfau  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/27/2023 0913 Site: Pressure Tank  
Date/Time Rec'd: 3/27/2023 1524 Treatment: Prior to Softener/Sediment Filter  
Chlorine ppm: Free: ND Total: ND pH: 7.1  
Collected By: R. Ott 0266RO Well #: HO-94-3936

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	26.9	pCi/L	15	900.0	3/29/2023 / 0637 / MJN
Gross Beta, Short Term	17.1	pCi/L	50	900.0	3/29/2023 / 0637 / MJN
Gross Alpha, Long Term	7.7	pCi/L	15	900.0	4/7/2023 / 0607 / MJN
Gross Beta, Long Term	10.6	pCi/L	50	900.0	4/7/2023 / 0607 / MJN
Radium-226	4.1	pCi/L	****	903.0	4/6/2023 / 0823 / MJN
Radium-228	5.1	pCi/L	****	Ra-05	4/5/2023 / 1149 / MJN

### NOTES:

- \*\*\*\*Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- Long Term Gross Alpha Detection Limit: 0.8 pCi/L; Gross Alpha Error: +/- 1.2 pCi/L
- Long Term Gross Beta Detection Limit: 1.0 pCi/L; Gross Beta Error: +/- 0.9 pCi/L
- pCi/L = picocuries per liter
- Radium 226 Detection Limit: 0.1 pCi/L; Radium 226 Error: +/- 0.6 pCi/L
- Radium 228 Detection Limit: 0.7 pCi/L; Radium 228 Error: +/- 0.9 pCi/L
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- Short Term Gross Alpha Detection Limit: 2.0 pCi/L; Gross Alpha Error: +/- 3.6 pCi/L
- Short Term Gross Beta Detection Limit: 1.6 pCi/L; Gross Beta Error: +/- 1.7 pCi/L
- ND:None Detected
- pH & Chlorine level tested on site
- Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B21004002

Date Reported: 4/10/2023

Reviewed By:

*Catherine C. Holland*

# FOUNTAIN VALLEY ANALYTICAL LABORATORY, INC.

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

## REPORT OF ANALYSIS

Laboratory ID #: 158184 Account #: 4035  
Reference: Preserve @ Waverly Glen Lot 21 Client: Trinity Quality Homes, Inc.  
Location: 1812 Mount Denali Drive Requested By: Michael Pfau  
Woodstock, MD 21163 Source: Well Water  
Date/ Time Collected: 3/27/2023 0855 Site: Kitchen Sink  
Date/Time Rec'd: 3/27/2023 1524 Treatment: Softener/Sediment Filter  
Chlorine ppm: Free: ND Total: ND pH: 7.4  
Collected By: R. Ott 0266RO Well #: HO-94-3936

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	1.7	pCi/L	15	900.0	3/29/2023 / 0637 / MJN
Gross Beta, Short Term	<1.6	pCi/L	50	900.0	3/29/2023 / 0637 / MJN
Gross Alpha, Long Term	<1.1	pCi/L	15	900.0	4/7/2023 / 0607 / MJN
Gross Beta, Long Term	<1.0	pCi/L	50	900.0	4/7/2023 / 0607 / MJN
Radium-226	0.6	pCi/L	****	903.0	4/6/2023 / 0823 / MJN
Radium-228	<0.6	pCi/L	****	Ra-05	4/5/2023 / 1149 / MJN

### NOTES:

- \*\*\*\*Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- Long Term Gross Alpha Detection Limit: 1.1 pCi/L; Gross Alpha Error: +/- 0.6 pCi/L
- Long Term Gross Beta Detection Limit: 1.0 pCi/L; Gross Beta Error: +/- 0.6 pCi/L
- pCi/L = picocuries per liter
- Radium 226 Detection Limit: 0.2 pCi/L; Radium 226 Error: +/- 0.3 pCi/L
- Radium 228 Detection Limit: 0.6 pCi/L; Radium 228 Error: +/- 0.5 pCi/L
- Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- Short Term Gross Alpha Detection Limit: 1.2 pCi/L; Gross Alpha Error: +/- 1.1 pCi/L
- Short Term Gross Beta Detection Limit: 1.6 pCi/L; Gross Beta Error: +/- 1.0 pCi/L
- ND:None Detected
- pH & Chlorine level tested on site
- Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy  
Building Permit # : B21004002

Date Reported: 4/10/2023

Reviewed By:

*Catherine C Holland*