

C1 1164

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 A516063

DATE RECEIVED MM DD YY 8 13

DATE WELL COMPLETED MM DD YY 3 3 06

DEPTH OF WELL 220' (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" Ho-95-0239

OWNER: Hoston R. Heather Glen Way Clarksville Md

WELL LOG table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Includes entries for Sand and Gray Mica Rock.

GROUTING RECORD: WELL HAS BEEN GROUTED (Y), TYPE OF GROUTING MATERIAL: CEMENT (CM), BENTONITE CLAY (BC)

CASING RECORD: MAIN CASING TYPE (ST), Nominal diameter (6 inch), Total depth (64 feet)

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

SCREEN RECORD: screen type or open hole (ST), insert appropriate code below

NUMBER OF UNSUCCESSFUL WELLS: 0

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

I HEREBY CERTIFY THAT THIS WELL HAS BEEN CONSTRUCTED IN ACCORDANCE WITH COMAR 26.04.04

DRILLERS LIC. NO. 1 MSD024 DRILLERS SIGNATURE

LIC. NO. 1 D

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

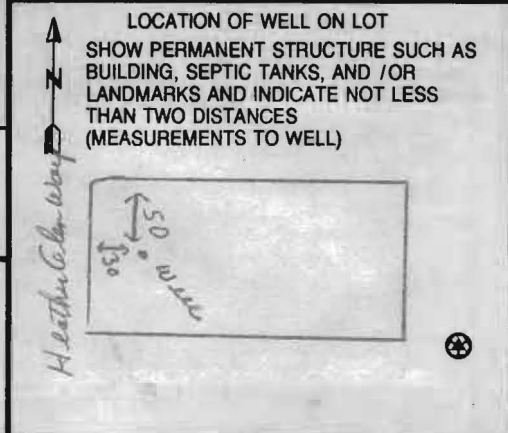
DEPTH (nearest ft.) table with columns 1-21 and values 62, 280

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 (3), PUMPING RATE (15 gal. per min.), METHOD USED TO MEASURE PUMPING RATE (Bucket)

PUMP INSTALLED: DRILLER INSTALLED PUMP (YES), TYPE OF PUMP INSTALLED (C), CAPACITY: GALLONS PER MINUTE (31-35)



B 1 1487

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER 0239

523944

please type

HO-95-0239
fill in this form completely

Date Received (APA)

01 20 06

OWNER INFORMATION

Horton R. D. / 1370 Picard Drive / Rockville Md 20850

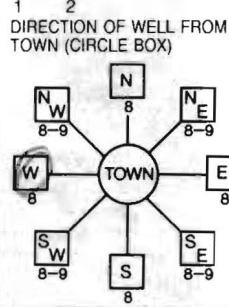
LOCATION OF WELL

Howard / Turnbury Grove / Clarksville

DRILLER INFORMATION

Joseph L. Mayne / M S D 024 / 5512 Ridged Rd Mt Airy Md 21771

DIRECTION OF WELL FROM TOWN



Heathen Glen Way / ON WHICH SIDE OF ROAD / DISTANCE FROM ROAD 25 FT / TAX MAP: 34 BLK: 11 PARCEL 77

WELL INFORMATION

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

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION (circled) / FARMING / INDUSTRIAL / PUBLIC WATER SUPPLY WELL / TEST, OBSERVATION, MONITORING / GEO-THERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard / AS16063 / STATE SIGNATURE / DATE ISSUED 2/26/06 / NORTH GRID 499 000 / EAST GRID 814

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) / AIR-ROTary (circled) / JETTED / ROTARY (Hydraulic Rotary) / CABLE / REVerse-ROTary / Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL (circled) / 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 DEEPEMED AN EXISTING WELL

SHOW MAJOR FEATURES OF BOX & LOCATE WELL WITH AN X

- SOURCES OF DRILLING WATER 1. well

WRITE THE BOX NUMBER FROM THE MAP HERE

E 814 / N 499

DRAW A SKETCH BELOW SHOWING LOCATION OF WELL IN RELATION TO NEARBY TOWNS AND ROADS AND GIVE DISTANCE FROM WELL TO NEAREST ROAD JUNCTION



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

APPROP. PERMIT NUMBER HD 2006G 003 / PERMIT No. HO-95-0239

SPECIAL CONDITIONS

NOTE - APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED / At yield test, Radon & VOC samples needed

RECEIVED

AUG 27 2014

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 FAX: (410)313-2648

HOWARD COUNTY HEALTH DEPT.

Information Form for the Installation of the Well Pump, Pitless Adapter, and Submersible Pump

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: Fogel's Well Drilling LLC Telephone #: 410 795 5670
Address: PO Box 202
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. Fogel 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: Williamsburg Group Telephone #: 410-977-3345
Subdivision: Preserves @ Clarksville Lot #: 27 Well Tag #: HO-95-0239 ✓
Site Address: 6231 Heather Glen Way
Clarksville, MD 21029

Submersible Pump Data Pitless Adapter Well Cap and Electric Conduit
Make: Gundorf Make: Campbell Two piece watertight cap: YES
Model #: 152GE07-180 Model #: N/A Screened, vented well cap: YES
Pump Capacity 7 GPM Depth: 30" (36" min) Cap secured to casing: YES
Well Yield: 12 GPM NSF/WSC approved: YES Conduit min 18" B.G.: YES
Depth of well encountered at time of pump installation: 280 (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
Torque arrestors, Cable guards, or other acceptable method used- Must circle one
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
PSL: 160 (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: David Fogel date: 8-26-14

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

Date Insp. Requested: 8/27/14 Date Insp. Approved: 9/4/14 Inspector: RR
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 ✓

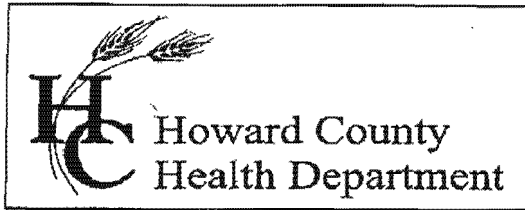
12/10/14 - Well tag in place on casing (RR)

well tag missing as of 7/4/14
inspection required to verify that correct well tag is in place (RR) 9/4/14

* 9/8/14: site inspection - well tag not in place. (RR)

12/9/14: Well tag reported to be on well. Verify well tag on casing before issuing use. (RR)

41" from base of well cap to pitless
10" to 9" from base of well cap to observed grade



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1774 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – JUNE 9, 2015

December 9, 2014

Homeowner
6231 Heather Glen Way
Clarksville, MD 21029

**RE: The Preserve at Clarksville
6231 Heather Glen Way
Building Permit: B14000654
Well Permit: HO-95-0239**

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 8/26/2014. Final approval of the well line connection to the dwelling was granted on 12/9/2014. The well construction was completed on 3/3/2006. Water samples were collected on 11/17/2014 and 12/2/2014.

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 9/23/2014. Results showed a Gross Alpha level of 5.9 pCi/L and Gross Beta level of 6.5 pCi/L. The Gross Alpha was below the maximum contaminant level (MCL) of 15 pCi/L and the Gross Beta was below the target level of 50pCi/L (roughly equivalent to the annual dose rate of 4 millirems per year). At the time of testing and with respect to these parameters, the well water is safe for all uses.

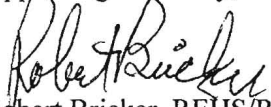
This certifies that the initial sampling requirements of COMAR 26.04.04 "Well Regulations" have been met for the water supply system installed under well permit HO-95-0239. Although the submitted sample results are in compliance with COMAR standards, the Health Department does not guarantee water supplies.

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 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:

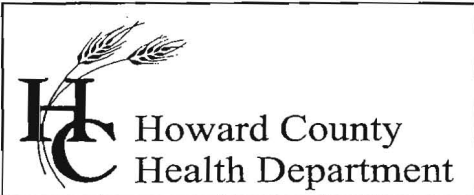
<http://www.mde.state.md.us/assets/document/WSP-Labs-2010apr16.pdf>

Approving Authority,

A handwritten signature in black ink, appearing to read "Robert Bricker". The signature is written in a cursive style with a large initial "R".

Robert Bricker, REHS/R.S., L.E.H.S.
Environmental Sanitarian
Well & Septic Program

cc: Howard County Dept. of Inspections, Licenses, and Permits
Community Hygiene Program
File



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046
(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

July 7, 2006

D. R. Horton, Inc.
1370 Picardi Drive
Rockville, Maryland 20850

RE: Water Sample Results
Lot 2~~A~~7 Turnbury Grove
HO - 95 - 0239

To Whom this May Concern:

During the recent "yield test" of the well serving the future Lot 25 (located on Heather Glen Way), a sample was collected for volatile organic compounds (VOC's) on March 3, 2006. This testing was performed to establish a baseline evaluation of the well water supply due to known VOC ground water contamination concerns previously documented (during the 1990's and earlier) in properties nearby this development.

Results from this sampling were free of all tested VOC's to the limit of detection for the test method employed. Similar findings were noted for the corresponding Field and Trip Blank samples. With respect to these parameters, the future well water supply is **currently** safe for all uses.

A copy of the VOC test report is enclosed for your records.

If questions should arise, you may contact Stuart Oster of the Well & Septic Program at (410) 313 - 1771 or me at (410) 313 - 1773.

Sincerely,

Bert Nixon, Assistant Director
Bureau of Environmental Health

Enclosure

cc: Lot 25 Turnbury Grove Property File

BUILDABLE
PRESERVATION PARCEL A
DARBY, JAMES
HOWARD COUNTY EMBROIDER HOLDER
HOMESIDE ASSOCIATION
MEMBERSHIP HOLDER

LOT 3

LOT 28

LOT 27

LOT 28

LOT 25

LOT 24

LOT 23

LOT 4

LOT 6

LOT 6

TEMPORARY
STOCK PILE AREA
30M BOLLARDS

WEATHER GLASS WAY

SEWER LINE 3

TYPICAL SECTION
OF PILE

NOT TO BE
CONSIDERED TO
BE A PART OF
THE PROJECT

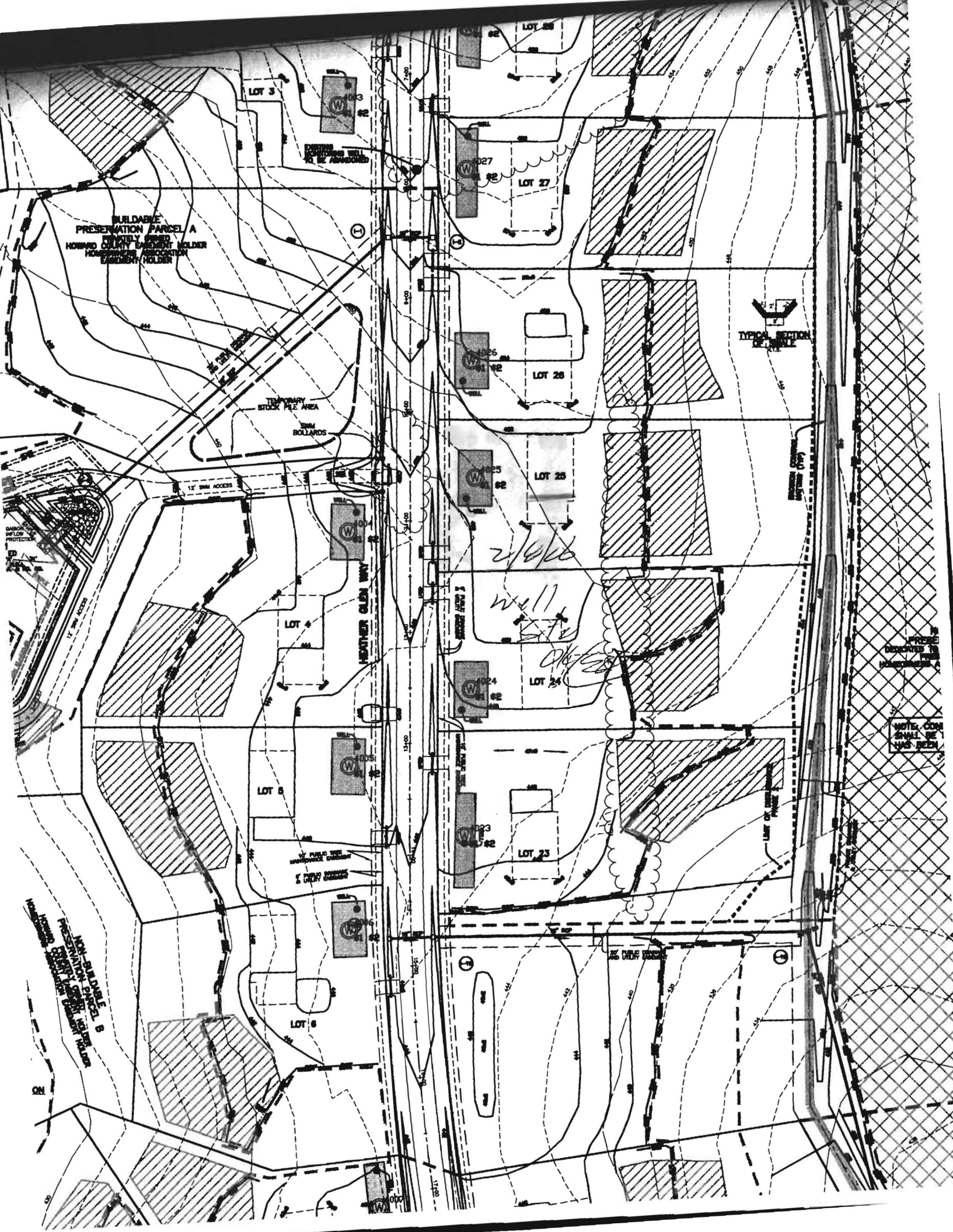
NOTE: COM
SHALL BE
AS SHOWN

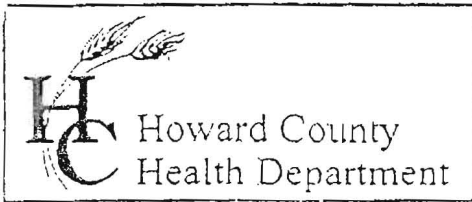
ALL LOT 6 AREAS TO BE MAINTAINED AS
PASTURE AND NOT TO BE DEVELOPED
FOR ANY OTHER PURPOSES
UNLESS APPROVED BY THE
LOCAL GOVERNMENT

1/4 PUBLIC USE
WATERPANEL CATCHMENT
& CREEK CHANNEL

1/4 CREEK CHANNEL

LIMIT OF PILE





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 Benchmark Engineering
(professional land surveyor or company employing professional land surveyors)
on 12-14-05 (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

*33 lots for D. R. Horton
Surnbury Grove*

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 #: 97854 Account #: 4470
Reference: Preserve at Clarksville Lot 27 Company: Williamsburg Homes LLC
Location: 6231 Heather Glen Way Requested By: Bob Corbett
Clarksville, MD 21029 Source: Well Water
Date/ Time Collected: 11/17/2014 1000 Site: Pressure Tank
Date/Time Rec'd: 11/17/2014 1240 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.9
Collected By: J. Yeager 6176JY Well #: HO-95-0239

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	2.0	MPN/ 100 ml	<1.0	SM18 9223	11/18/2014 / 1000 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	11/18/2014 / 1000 / LLO
Nitrate	4.53	mg/L	10	601	11/18/2014 / 1315 / CRS
Turbidity	5.34	NTU	<10	SM18 2130B	11/18/2014 / 1400 / CRS
Sand	NS	mg/L	5	Visual/Gravimetric	11/18/2014 / 1400 / CRS

Bacteria FAIL
Others 'OK' reB 12/10/2014

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 pH tested in lab, chlorine level tested on site
- 8 Visual well check: Sealed, vented cap

Reason for Test : Use & Occupancy

Building Permit # : 14000654

Date Reported: 11/18/2014

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 #: 98037 Account #: 4470
Reference: Preserve at Clarksville Lot 27 Company: Williamsburg Homes LLC
Location: 6231 Heather Glen Way Requested By: Bob Corbett
Clarksville, MD 21029 Source: Well Water
Date/ Time Collected: 12/2/2014 1035 Site: Laundry Room Utility Tap
Date/Time Rec'd: 12/2/2014 1145 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 7.0
Collected By: J. Yeager 6176JY Well #: HO-95-0239

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/3/2014 / 0900 / LLO
Bacteria, E. coli, MPN	<1.0	MPN/ 100 ml	<1.0	SM18 9223	12/3/2014 / 0900 / LLO

Bacteria OK' RD 12/8/2014

NOTES

- 1 MPN/ 100 ml = Most Probable Number [of viable bacteria] per 100 ml of sample.
- 2 Results less than or within the reference range are considered satisfactory and within potable water limits at the time of sampling.
- 3 ND:None Detected
- 4 Visual well check: Sealed, vented cap
- 5 pH & Chlorine level tested on site

Reason for Test : HCHD

Date Reported: 12/3/2014

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 #: 96365 Account #: 4470
Reference: Preserve at Clarksville Lot 27 Company: Williamsburg Homes LLC
Location: 6231 Heather Glen Way Requested By: Bob Corbett
Clarksville, MD 21029 Source: Well Water
Date/ Time Collected: 9/23/2014 1045 Site: Pump Discharge
Date/Time Rec'd: 9/23/2014 1400 Treatment: None
Chlorine ppm: Free: ND Total: ND pH: 6.8
Collected By: C. Holland 0547CH Well #: HO-95-0239

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Gross Alpha, Short Term	5.9	pCi/L	15	900.0	9/25/2014 / 1036 / MJN
Gross Beta, Short Term	6.5	pCi/L	50	900.0	9/25/2014 / 1036 / MJN
Radium-226	0.7	pCi/L	****	903.1	10/1/2014 / 1102 / MJN
Radium-228	<0.8	pCi/L	****	Ra-05	10/1/2014 / 1027 / SN
Gross Alpha, Long Term	5.4	pCi/L	15	900.0	9/30/2014 / 0658 / MJN
Gross Beta, Long Term	6.5	pCi/L	50	900.0	9/30/2014 / 0658 / MJN

OK! JB 12/10/2014

NOTES

- ****Radium 226 and Radium 228 combined have a reference of 5 pCi/L
- Long Term Gross Alpha Detection Limit: 1.4 pCi/L; Long Term Gross Beta Detection Limit: 2.1 pCi/L
- pCi/L = picocuries per liter
- Radium 226 Detection Limit: 0.2 pCi/L; Radium 228 Detection Limit: 0.8 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: 1.4 pCi/L; Short Term Gross Beta Detection Limit: 2.0 pCi/L
- ND:None Detected
- Visual well check: Sealed, vented cap
- pH & Chlorine level tested on site

Reason for Test : HCHD

Date Reported: 10/10/2014

Send Report To:

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
TRACE ORGANICS SECTION
201 W. Preston Street, Baltimore, Maryland 21201
J. Mehsen Joseph, Ph.D., Director

Lab No. Date Received

951252 MAR-68

Do not write above this line

LABORATORY ANALYSIS REQUEST

HOGGTG253310S(A)E(B)
Bottle No: _____ Plant/Site Name: Turnberry Grove Lot 27 County: HOWARD
Sample Source: Heather Green Way Location: HO-95-C239
Street Town or City (well no., lab sink, sample tap, etc.)

Sampler ID: 27744C PWSID: Plant ID:

Collector: G. Creighton 410 313 2775
(include telephone number)

Date Collected: 3/3/2006 Time Collected: 10 a.m. _____ p.m.

Field Preserved: Yes No Preservative Used: 1:1 HCl+Ascorbic acid Na₂SO₄ 6 mg NH₄Cl

Sample Type: Drinking Water Landfill Source (Raw Water) Liquid
 Community Stream Distribution (Treated) Solid
 Non-Community Sediment Water Treatment Plant POE Other _____
 Private

Specify Program: SDWA NPDES CWA RCRA Consumer Products Other _____

Test Requested: Trihalomethanes Volatiles Semi-volatiles Haloacetic Acids

FIELD DATA: 6.8 0.0 0.0
pH Free Cl Total Cl

Field Blank Bottle No.: HOGGTG253310 FB(A)E(B)
Trip Blank Bottle No.: HOGGTG253310 TB(A)E(B)

Remarks: Full Drinking Water 3000 including MTBE
KAW WATER TAKEN @ yield test

Section Chief: Deborah Melendez Date Reported: 3/20/06

•Phone: (410) 767 - 5643 •Fax: (410) 333 - 5237

Form Revised 12/00
DHMH 4362



August 28, 2014

Howard County Health Department
8930 Stanford Dr
Columbia, MD 21045

Re: Preserves @ Clarksville Lot 27
6231 Heather Glen Way
Clarksville, MD 21029
Well Tag# HO 95-0239

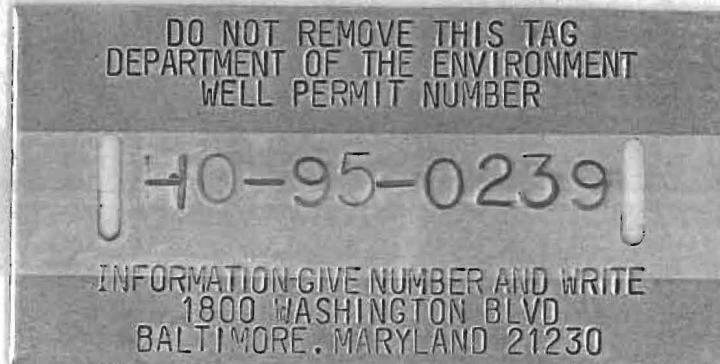
To whom it may concern:

Please be advised that Fogle's Well Drilling was working on Preserves at Clarksville Lot 27 for Williamsburg Homes and noticed the well tag is missing on the well. Fogle's is requesting a duplicate well tag# HO 95-0239 so that we can put it on the well casing for future identification.

Sincerely,

A handwritten signature in black ink that reads "David C Fogle".

David C Fogle
Fogle's Well Drilling, LLC
MSD 226



State of Maryland
 DHMH - Laboratories Administration
 Division of Environmental Chemistry
TRACE ORGANICS SECTION
 201 W. Preston Street, Baltimore, MD 21201
 John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 961252 HOGCTG2533105A Method: EPA 524.2
 Date Analyzed: 03/17/06

<u>Contaminants</u>	<u>DL*</u>	<u>MCL*</u>	<u>Result*</u>	<u>Contaminants</u>	<u>DL*</u>	<u>MCL*</u>	<u>Result*</u>
TRIHALOMETHANES				UNREGULATED			
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	-	80	-	Trichlorofluoromethane	0.5	na	ND
REGULATED				1,1-Dichloroethane	0.5	na	ND
Benzene	0.5	5	ND	1,3-Dichlorobenzene	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	Dibromomethane	0.5	na	ND
Chlorobenzene	0.5	100	ND	1,1-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	2-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	4-Chlorotoluene	0.5	na	ND
Ethylbenzene	0.5	700	ND	Bromobenzene	0.5	na	ND
Styrene	0.5	100	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Tetrachloroethene	0.5	5	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Propylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	n-Butylbenzene	0.5	na	ND
Vinyl Chloride	0.5	2	ND	Naphthalene	0.5	na	ND
o-Xylene	0.5	na	ND	Hexachlorobutadiene	0.5	na	ND
m+p-Xylene	1.0	na	ND	Isopropylbenzene	0.5	na	ND
Total Xylenes	1.5	10000	ND	1,2,3-Trichloropropane	0.5	na	ND
Methylene Chloride	0.5	5	ND	1,2-Dibromo-3-Chloropropane	0.5	na	ND
1,1,2-Trichloroethane	0.5	5	ND	p-Isopropyltoluene	0.5	na	ND
1,1,2,4-Trichlorobenzene	0.5	70	ND	tert-Butylbenzene	0.5	na	ND
				sec-Butylbenzene	0.5	na	ND
				Bromochloromethane	0.5	na	ND
				1,1,1,2-Tetrachloroethane	0.5	na	ND
				1,2-Dibromoethane	0.5	na	ND
				Methyl-tert-Butyl Ether (MTBE)	0.5	na	ND
				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
				tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)
 † Less than the detection limit
 ‡ Not applicable
 § Estimated value

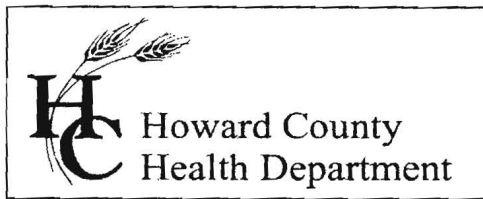
Section Chief: Deborah Miller-Jud

Date Approved: 3/20/06

Phone: (410) 767-5896

Fax: (410) 226-9318

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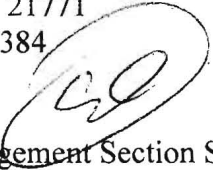
7178 Columbia Gateway Drive, Columbia MD 21046
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

February 8, 2006

MEMORANDUM

TO: Joseph L. Mayne Well Drilling
5512 Ridge Road
Mt. Airy, Maryland 21771
Faxed to 301-829-5384

FROM: Stuart Oster, R.S. 
Groundwater Management Section Supervisor
Well and Septic Program

RE: File Number: P-05-013
Title: Turnbery Grove

The Health Department requires that all the wells in this subdivision be tested for radium and V.O.C.'s (Volatile Organic Contaminants). The optimum time to sample would be when the yield test is being completed. When contacting this office about the yield test, please mention that these water test need to be collected. Also, attached is a letter dated November 21, 2005 from Bert Nixon further explaining the radium testing.

Cc: D. R. Horton, Inc.
File

State of Maryland
 DHMH - Laboratories Administration
 Division of Environmental Chemistry
TRACE ORGANICS SECTION
 201 W. Preston Street, Baltimore, MD 21201
 John M. DeBoy, Dr. P.H., Director

Certificate of Analysis - Volatiles

Sample Name: 961252 FB Method: EPA 524.2
 Date Analyzed: 03/17/06

<u>Contaminants</u>	<u>DL*</u>	<u>MCL*</u>	<u>Result*</u>	<u>Contaminants</u>	<u>DL*</u>	<u>MCL*</u>	<u>Result*</u>
<u>TRIHALOMETHANES</u>				<u>UNREGULATED</u>			
Bromodichloromethane	0.5	na	ND	Dichlorodifluoromethane	0.5	na	ND
Bromoform	0.5	na	ND	Chloromethane	0.5	na	ND
Chloroform	0.5	na	ND	Bromomethane	0.5	na	ND
Dibromochloromethane	0.5	na	ND	Chloroethane	0.5	na	ND
TOTAL THMs	-	80	-	Trichlorofluoromethane	0.5	na	ND
<u>REGULATED</u>				1,1-Dichloroethane	0.5	na	ND
Benzene	0.5	5	ND	1,3-Dichlorobenzene	0.5	na	ND
Carbon Tetrachloride	0.5	5	ND	Dibromomethane	0.5	na	ND
Chlorobenzene	0.5	100	ND	1,1-Dichloropropene	0.5	na	ND
1,4-Dichlorobenzene	0.5	75	ND	trans-1,3-Dichloropropene	0.5	na	ND
1,1-Dichloroethene	0.5	7	ND	1,1,2,2-Tetrachloroethane	0.5	na	ND
1,2-Dichloroethane	0.5	5	ND	1,3-Dichloropropane	0.5	na	ND
1,2-Dichlorobenzene	0.5	600	ND	2,2-Dichloropropane	0.5	na	ND
1,2-Dichloropropane	0.5	5	ND	cis-1,3-Dichloropropene	0.5	na	ND
cis-1,2-Dichloroethene	0.5	70	ND	2-Chlorotoluene	0.5	na	ND
trans-1,2-Dichloroethene	0.5	100	ND	4-Chlorotoluene	0.5	na	ND
Ethylbenzene	0.5	700	ND	Bromobenzene	0.5	na	ND
Styrene	0.5	100	ND	1,3,5-Trimethylbenzene	0.5	na	ND
Tetrachloroethene	0.5	5	ND	1,2,4-Trimethylbenzene	0.5	na	ND
Trichloroethene	0.5	5	ND	1,2,3-Trichlorobenzene	0.5	na	ND
1,1,1-Trichloroethane	0.5	200	ND	n-Propylbenzene	0.5	na	ND
Toluene	0.5	1000	ND	n-Butylbenzene	0.5	na	ND
Vinyl Chloride	0.5	2	ND	Naphthalene	0.5	na	ND
o-Xylene	0.5	na	ND	Hexachlorobutadiene	0.5	na	ND
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Total Xylenes	1.5	10000	ND	1,2,3-Trichloropropane	0.5	na	ND
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1,1,2-Trichloroethane	0.5	5	ND	p-Isopropyltoluene	0.5	na	ND
1,2,4-Trichlorobenzene	0.5	70	ND	tert-Butylbenzene	0.5	na	ND
				sec-Butylbenzene	0.5	na	ND
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				1,1,1,2-Tetrachloroethane	0.5	na	ND
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				Ethyl-tert-Butyl Ether (ETBE)	0.5	na	ND
				tert-Amyl Methyl Ether (TAME)	0.5	na	ND

*All results are in parts per billion (ppb)

ND = Less than the detection limit

na = not applicable

e = estimated value

Section Chief: Deborah Miller-John Date Approved: 3/20/06

