

B 1 14915

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL

STATE PERMIT NUMBER

HO-95-2314 fill in this form completely

537317-G please type

Date Received (APA)

05 31 12

OWNER INFORMATION

Land Marketing Consultants

P O BOX 482

Lisbon MD 21765

LOCATION OF WELL

Howard COUNTY

Walnut Creek SUBDIVISION

SECTION 44 46 LOT 31 48 50

CLARKSVILLE NEAREST TOWN

DRILLER INFORMATION

Ralph E. Mayne M S D 112

Ralph Mayne Well Drilling

12024 Handy Rd. Mt. Airy MD 21731

Ralph E. Mayne 4/14/12

SOURCES OF DRILLING WATER

1. well

ASHLEIGH DRIVE STREET ADDRESS

ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX)

245 DISTANCE FROM ROAD

ENTER FT OR MI TAX MAP: 28 BLK: 11 PARCEL 49



WELL INFORMATION

APPROX. PUMPING RATE 5 GAL. PER MIN.

AVERAGE DAILY QUANTITY NEEDED 500 GAL. PER DAY

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard 13 A520385 A520448

COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S

DATE ISSUED 6/13/2012 Brian Baker 6/13/2013

- 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

APPROXIMATE DEPTH OF WELL 150 FEET

APPROXIMATE DIAMETER OF WELL 6 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)

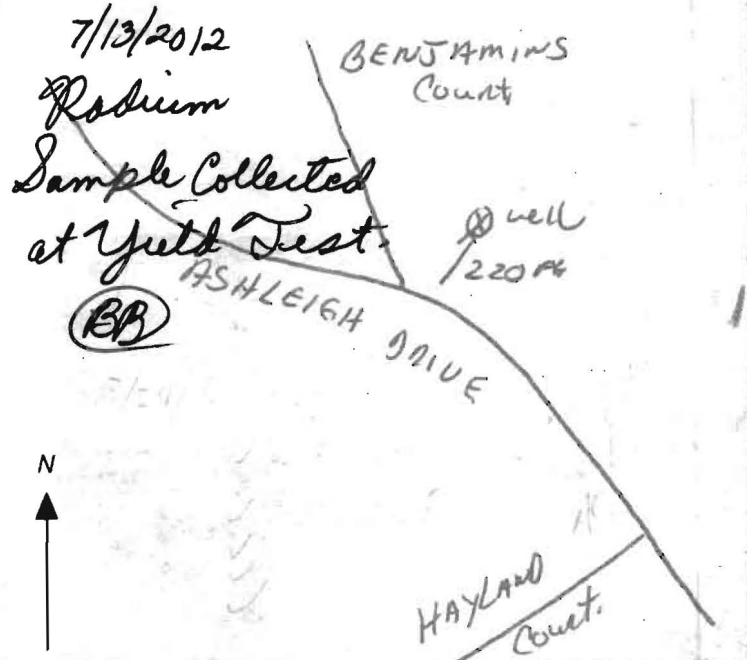
N THIS WELL WILL NOT REPLACE AN EXISTING WELL
Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED
S THIS WELL WILL REPLACE A WELL THAT WILL BE USED AS A STANDBY-CONTACT LOCAL APPROVING AUTHORITY FOR POLICY ON STANDBY WELLS
D THIS WELL WILL DEEPEM AN EXISTING WELL
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER H02006G020

PERMIT No. HO-95-2314

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



SPECIAL CONDITIONS

NOTE APPROVING AUTHORITIES SHOULD USE SEPARATE SHEET IF NEEDED

Radium Sample, All Wells Must Be At Least 100' Apart

C 1 08122

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

THIS REPORT MUST BE SUBMITTED WITHIN 45 DAYS AFTER WELL IS COMPLETED.

COUNTY A520 385 NUMBER A520 448

(THIS NUMBER IS TO BE PUNCHED IN COLS. 3-6 ON ALL CARDS)

ST/CO USE ONLY DATE Received MM DD YY

DATE WELL COMPLETED MM DD YY

Depth of Well

PERMIT NO. FROM "PERMIT TO DRILL WELL"

OWNER Land Marketing Consultants WELL SITE ADDRESS ASHLEIGH DRIVE TOWN CLARKESVILLE MD SUBDIVISION Walnut Creek SECTION LOT 31

WELL LOG

Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION (Use additional sheets if needed), FEET (FROM, TO), check if water bearing. Rows include Top Soil, CLAY, Sand Stone, MICKA White, Sand Stone, White MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Circle Appropriate Box) YES Y NO N TYPE OF GROUTING MATERIAL (Circle one) CEMENT CM BENTONITE CLAY BC NO. OF BAGS 8 NO. OF POUNDS 800 GALLONS OF WATER 48 DEPTH OF GROUT SEAL (to nearest foot) from 0 ft. to 20 ft.

CASING RECORD

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 22

OTHER CASING (if used)

Table for OTHER CASING with columns: diameter inch, depth (feet) from, to.

SCREEN RECORD

screen type or open hole insert appropriate code below SCREEN RECORD ST BR HO PL OT

Table for SCREEN RECORD with columns: DEPTH (nearest ft.), 1, 2, 3. Rows include A, C, H, S, C, R, E, N.

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 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 40 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 17 ft. WHEN PUMPING 15 ft. TYPE OF PUMP USED (for test) S submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP YES NO 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. 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) + above LAND SURFACE - below (nearest foot) 2

LATITUDE 39.14.335 LONGITUDE 76.56.810 (DEFAULT COORD. WGS 84)

NOTES:

FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-2314
 Location of property (road) ASHLEIGH Drive
 Subdivision Walnut Creek Lot 31 Block _____ Plat _____ Sec. _____
 Well Driller Ralph Mayne Owner Land marketing Consultants

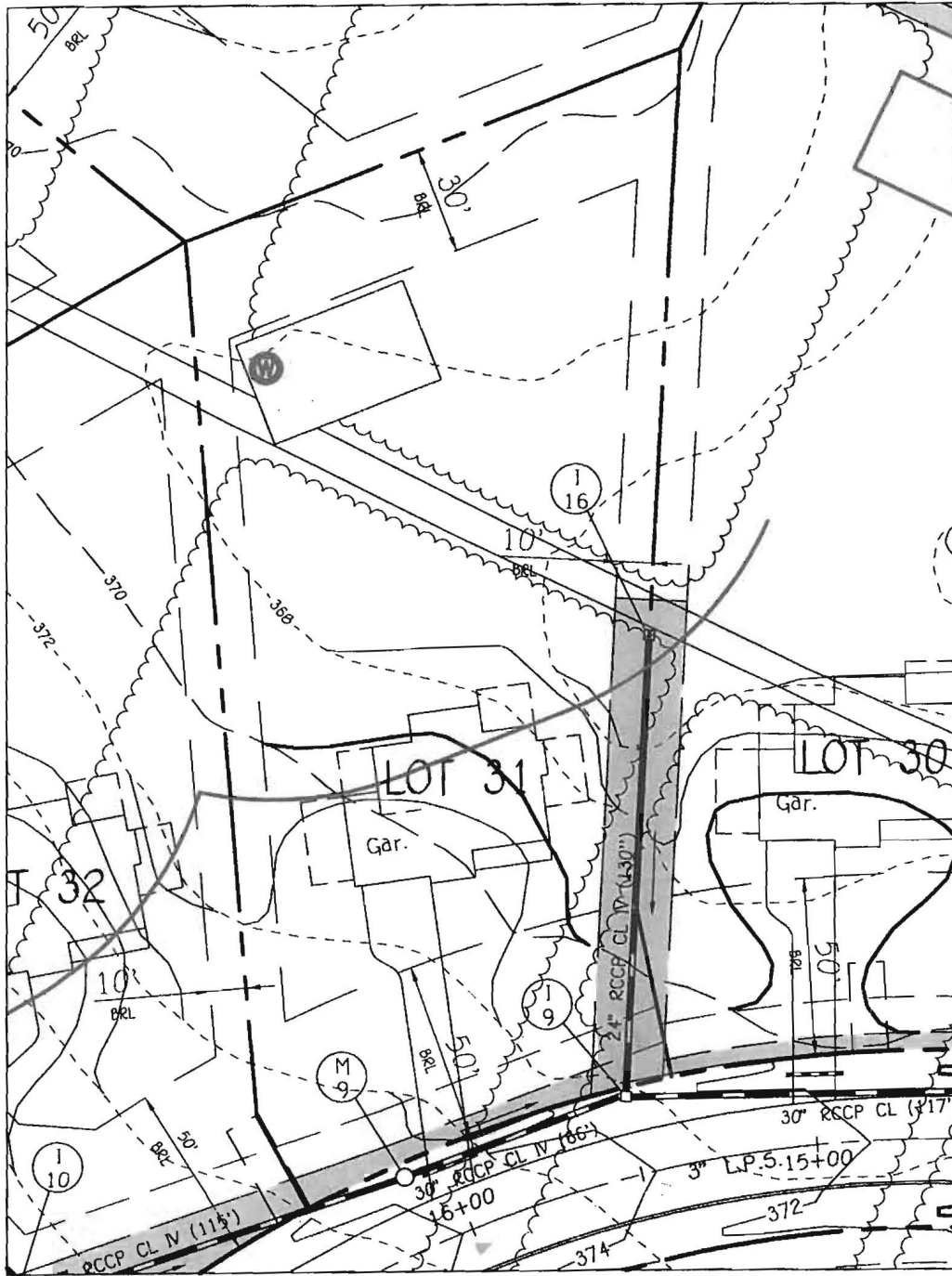
Depth of well 165
 Distance of measuring point (M.P.) above ground 2 ft
 Static water level (S.W.L.) below M.P. 11 ft

I. High rate pumping -- reservoir drawdown

Time pump started 7:30 Pumping rate 10 GPM
 Total time 15 min to reach pumping water level 15 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 <u>5</u> gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
7:30	11 ft	6 Sec		10 GPM
			Test Started	
7:45	15 ft	6 Sec		10 GPM
8:00	15 ft	6 Sec		10 GPM
8:15	15 ft	6 Sec		10 GPM
8:30	15 ft	6 "		10 "
8:45	15 "	6 "		10 "
9:00	15 "	6 "		10 "
9:15	15 ft	6 Sec		10 GPM
9:30	15 ft	6 Sec		10 GPM
9:45	15 ft	6 Sec		10 GPM
10:00	15 "	6 "		10 "
10:15	15 "	6 "		10 "
10:30	15 ft	6 Sec		10 GPM
10:45	15 ft	6 Sec		10 GPM
11:00				
11:15				



WELL LOCATION INFORMATION:

NORTHING = 572614
 EASTING = 1327402
 LATITUDE = 39° 14' 20"
 LONGITUDE = 76° 56' 48"

**LOT 31 WELL MAP
 WALNUT CREEK
 PHASE TWO
 LOTS 1 THRU 22**

**NON-BUILDABLE PRESERVATION PARCELS 'A'-'D'
 & BUILDABLE BULK PARCELS 'E' & 'F'**

ZONED: RC-DEO & RR-DEO

FISHER, COLLINS & CARTER, INC.

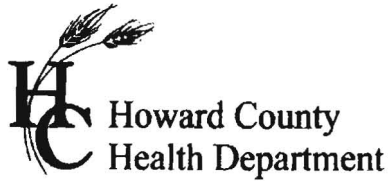
CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2855

TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18
 PARCEL No. 49

FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DATE: MAY 25, 2012 SCALE: 1"=50'

*6/13/2012
 Well Site
 Plan
 BB*



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

Peter L. Bienson, M.D., M.P.H., Health Officer

TO ALL INTERESTED PARTIES

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

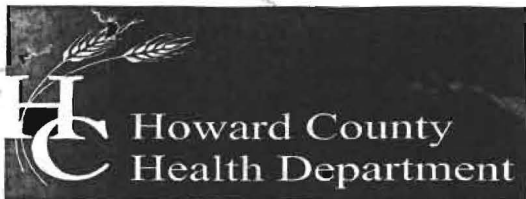
Well Site Location:

<u>Walnut Creek</u>	<u>31</u>	<u>Ashleigh Drive</u>
Subdivision/Property Name	Lot #	Road Name

- The well site has been staked by Fisher, Collins, and Carter, Inc. ,
(professional land surveyor or company employing professional land surveyors)
on 04/22/12 (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 3/11/07



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Peter L. Beilenson, M.D., M.P.H., Health Officer

September 7, 2012

Heritage Realty & Land Management
Attn. Tim Feaga
15950 North Avenue, P.O. Box 482
Lisbon, Maryland 21765

RE: Walnut Creek Lot 31
Ashleigh Drive
Well Tag: HO - 95 - 2314

Dear Mr. Feaga:

A sample was collected during a yield test on July 13, 2012 and submitted to the Department of Health & Mental Hygiene Laboratories to assess the possible presence of **Gross Alpha** and **Gross Beta** in the future well water supply. **Gross Alpha** and **Gross Beta** measure the total alpha and beta particle activity in a water supply. These naturally occurring radioactive nuclides have been demonstrated to be present in a certain type of geologic formation known as the Baltimore Gneiss which exists in your area of development within the County.

Results from this screening revealed a **Gross Alpha** of $< 2.0 \pm 0.0$ picocuries/liter (pCi/L), while the **Gross Beta** level was $< 4.0 \pm 0.0$ pCi/L. The **Gross Alpha** result was below its **maximum contaminant level (MCL)** of 15 pCi/L, while the **Gross Beta** level was below its targeted value of 50 pCi/L (roughly equivalent to the **annual dose rate** of 4 millirems/year).

At the time of testing and with respect to these parameters, the future well water supply meets EPA regulatory standards. Additional testing **for these parameters** will not be required to secure the future Use & Occupancy. **Please note** that other standard testing parameters (bacteria, nitrate, turbidity and sand) will still be required to help secure Use & Occupancy.

A copy of the test results is enclosed for your information. Please call this office at 410-313-1773 if you have any further questions.

Sincerely,

Bert Nixon, Director

Bureau of Environmental Health

Enclosure

cc: Barry Glotfelty, MDE Water Mgmt.
Well & Septic property file

Send Report To: Bert Nixon

Howard Co. Env. Health

7178 Columbia Gateway Dr. 201 W. Preston Street, Baltimore, Maryland 21201

Columbia MD 21046

State of Maryland
DHMH - Laboratories Administration
Division of Environmental Chemistry
RADIATION LABORATORY

E000118-16

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: 952314BB No. B: _____ Field Blank Bottle No. 1: 2314A No B: _____

Plant/Site Name: Walnut Creek - Lot 31 County: Howard

Sample Source: Ashleigh Drive Location: HO-95-2314
(well no, lab sink, sample tap, etc.)

County: B Plant No.

CHECK (one per box)

Drinking Water
Landfill
Stream
Other

Community
Non-community
Private
Other

Source (raw water)
Distribution (treated)
MCL

Emergency
Routine
Recheck
Special

Collector: B. Baker

Telephone No.: (410) 313-2643

Date Collected: 7/13/2012

Time Collected: _____ a.m. 12 p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code: Federal Project:

Field Data: _____ pH _____ Chlorine _____

Remarks: Sample Collected During Yield Test

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	0118	<2.0	7/20/12	7/23/12
✓	Gross Beta	4100	0118	<4.0	✓	✓
	Radon-222 Bottle A	4004				
	Radon-222 Bottle B	4004				
	Field Blank #A	4004				
	Field Blank #B	4004				
	Tritium					
	Ra - 226	4020				
	Ra - 228	4030				
	Total Uranium	4006				

Date Received: 07/16/12

Supervisor: [Signature]

•Tel. No.: (410) 767-5537 •Fax No.: (410) 333-5373

Send Report To: Bert Nixon

State of Maryland
DHMH - Laboratories Administration

Division of Environmental Chemistry

RADIATION LABORATORY

201 W. Preston Street, Baltimore, Maryland 21201

John M. DeBoy, Dr. P. H., Director

Howard Co. Env. Health

7178 Columbia Gateway Dr.

Columbia, MD 21046

4000117162
Field
Blank

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: 952314BB No. B: _____ Field Blank Bottle No. 1: 2314A No B: _____

Plant/Site Name: Walnut Creek - Lot 31 County: Howard

Sample Source: Ashleigh Drive Location: HO-95-2314
(well no, lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

Drinking Water
Landfill
Stream
Other

Community
Non-community
Private
Other

Source (raw water)
Distribution (treated)
MCL

Emergency
Routine
Recheck
Special

Collector: B. Baker

Telephone No.: (410) 313-2643

Date Collected: 7/13/2012
cont'd

Time Collected: _____ a.m. 12 p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code: Federal Project:

Field Data: _____ pH _____ Chlorine _____

Remarks: Field Blank

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	0117	<2.0	7/20/12	7/23/12
✓	Gross Beta	4100	0117	<4.0	↓	↓
	Radon-222 Bottle A	4004				
	Radon-222 Bottle B	4004				
	Field Blank #A	4004				
	Field Blank #B	4004				
	Tritium					
	Ra - 226	4020				
	Ra - 228	4030				
	Total Uranium	4006				
	✓					

Date Received: 07/16/12

Supervisor: [Signature]

•Tel. No.: (410) 767 - 5537 •Fax No.: (410) 333- 5373

**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 #: 301-854-1337
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 KYCKE License# PE 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: Winchester Home Telephone #: _____
Subdivision: WALNUT CREEK Lot #: 31 Well Tag #: HO-95-2314
Site Address: 12142 HAYLAND FARM WAY
ELLICOTT CITY MD

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>GRUND 703</u>	Make: <u>Campbell</u>	Two piece watertight cap: <input checked="" type="checkbox"/>
Model #: <u>15 SQE 07180</u>	Model#: <u>PA 800</u>	Screened, vented well cap: <input checked="" type="checkbox"/>
Pump Capacity <u>10</u> GPM	Depth: <u>48</u> (36" min)	Cap secured to casing: <input checked="" type="checkbox"/>
Well Yield: <u>10</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>165</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 CPS
Safety rope, if used, attached to inside of well casing with eye bolt N/A

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</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 3-18-14

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

Date Insp. Requested: 3/19/14 Date Insp. Approved: 3/24/14
Inspection Data: Pitless adapter and 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 installed inside of well 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

3/24/14
Final Approval
-AG

3/19/14 Heavy loader hit + cracked well casing down to approx 3' below grade. Casing is being repaired -AG

Well Line Inspection Checklist

- Date of the Requested Inspection
- Date of the Actual Inspection
- Date of Final Approval
- Did the Contractor complete the top portion of the sheet **PRIOR** to inspection?

1. Is the **Pitless Adaptor** watertight?

- Does the curve in the adaptor match the curve of the casing at the point of contact (seal/gasket)
- Is the adaptor Lead-free Brass or Stainless Steel
- Does the adaptor have a seal/gasket
- Is the water line securely fastened to the adaptor
- Is there an undercut beneath the adaptor
 - Was it filled with back fill or gravel?
- Is the adaptor at least 36 inches below grade

2. Is the **Well Cap** on?

- Is it tight and secure
- Are the bolts snug
- Does the cap have a vent/screen
- Does the cap have a place for electrical conduit
- Is the cap a two piece design (top and bottom)

3. Is the **Electrical Conduit** installed?

- Does the conduit extend at least 18 inches below grade
- Is the conduit glued into the coupling
- Is the conduit secure in the cap

4. Is the **Safety Rope** NOT outside of the well cap/casing?

5. Is the **Well Tag** attached to the casing?

- Is the tag attached correctly (1/2 inch stainless steel band, or equivalent)
- Is the tag number correct
- Is the tag at least 8 inches above final grade

6. Is the **Water Supply Line** connected?

- Is it at least 36 inches below grade
- Is the trench bedded with gravel in necessary
- Is the water line sleeved adequately into the house
- Is the sleeve extended to at least 5 feet from any foundation
- Is the water line into the foundation sidewall or under the foundation floor
 - *If under foundation floor, line is not required to be sleeved at connection point*
- Is the connection point waterproofed (ex. Tar)

7. Is the **Casing Properly/Adequately Grouted**?

- Is there a visible open annular spacing
- Is there grout at the site of water line service, or up to grounds surface
- Is there at least 2 inches around the nominal casing size
- Is the grout continuous and uniform

3/20/14. Upon inspection. The Tag attached to

casing was HO 95-0971 (for 7248 Cradlerock way)

- permitted 8/7/06, never drilled

* 3/24/14

Correct tag was attached to well. Ok to Cover

AG

Well Tag on Well
HO 95-0971
(7248 Cradle)

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 #: 94395 Account #: 3123
Reference: Walnut Creek Lot 31 Company: National Water Servicing
Location: 12142 Hayland Farm Way Requested By: Dave Rycke
Ellicott City, MD 21042 Source: Well Water
Date/ Time Collected: 5/28/2014 1052 Site: Pressure Tank
Date/Time Rec'd: 5/28/2014 1415 Treatment: Prior to Neutralizer/ Softener
Chlorine ppm: Free: ND Total: ND pH: 8.0
Collected By: C. Mooshian 7268CM Well #: HO-95-2693

PARAMETERS	RESULTS	UNITS	REFERENCE	METHOD	DATE/TIME/ANALYST
Bacteria, Coliform, Total, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM18 9223	5/29/2014 / 1000 / CCH
Bacteria, E. coli, MPN	<1.0 ✓	MPN/ 100 ml	<1.0	SM18 9223	5/29/2014 / 1000 / CCH
Nitrate	1.81 ✓	mg/L	10	601	5/28/2014 / 1610 / CRS
Turbidity	0.51 ✓	NTU	<10	SM18 2130B	5/28/2014 / 1515 / CRS
Sand	NS ✓	mg/L	5	Visual/Gravimetric	5/28/2014 / 1515 / CRS

'OK' ✓ UB 6/2/2014

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 Visual well check: Sealed, vented cap
- 8 pH & Chlorine level tested on site

Reason for Test : Use & Occupancy
Building Permit # : B14000214

Date Reported: 5/29/2014

Martin, Sharhonda

From: Tuder, Matt
Sent: Friday, May 30, 2014 2:54 PM
To: Day, Lori; Geisert, Andrew
Cc: Hart, Amy; Rocco, Anthony; Baker, Brian; Wolf, Kevin; Martin, Sharhonda; Williams, Jeffrey; Bozzell, Duane
Subject: U&O Release 12142 Hayland Farm Way

This morning, Duane Bozzell observed the start-up of a Sewage Grinder Pump at the Walnut Creek Shared Septic System:

Walnut Creek, Contract 50-4530-D
Camberly Homes, Lot #31
12142 Hayland Farm Way
Ellicott City, MD 21042

The Sewage Grinder Pump test was successful; the Bureau of Utilities releases its hold on this property for U&O.

Matt
410-313-4934 office
410-978-1320 mobile



HOWARD COUNTY HEALTH DEPARTMENT

46283

Used for Lot 31 rep. well

CODES

DATE

3/20/14

WS

CASH

CHECK

Received From

Bassler, Brentine

NO.

3180

For

Well permit (R) Lot 37/71-81

One thousand nine hundred twenty ~~four~~ ^{Hayward Farm} Dollars

\$

1920 00

Received By

[Signature]

B 1 26842

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type

STATE PERMIT NUMBER

HO-95-2693 fill in this form completely

Date Received (APA)

OWNER INFORMATION

8 MM DD YY 13 BASSLER Venture LLC PO Box 482 LISBOW MD 21765

B 3 LOCATION OF WELL

8 COUNTY Howard 21 WALNUT CREEK PHASE III 23 SUBDIVISION SECTION 44 46 LOT 31 48 50 CLARKSVILLE 52 NEAREST TOWN 71

DRILLER INFORMATION

DRILLER'S NAME RALPH E MAYNE M S D 117 License No. 81 Firm Name RALPH MAYNE WELL DRILLING Address 12024 Handy Rd. Mt. Airy MD 21771 Address 22 E Myland 5/15/14 Signature Date

B 4 SOURCES OF DRILLING WATER

1. well 2. 3.

HAYLAND FARM WAY 11 STREET ADDRESS 30 ON WHICH SIDE OF ROAD (CIRCLE APPROPRIATE BOX) 34 250 37 DISTANCE FROM ROAD ENTER FT OR MI 38 39 TAX MAP: 28 BLK: 11 PARCEL 49

B 2 WELL INFORMATION APPROX. PUMPING RATE (GAL. PER MIN.) 5 AVERAGE DAILY QUANTITY NEEDED (GAL. PER DAY) 14 500 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

Howard A520385 A520418 13 COUNTY NAME COUNTY NO. STATE SIGNATURE INSERT S DATE ISSUED 5/15/14 CO-SIGNATURE EXP. DATE 6/15/15

APPROXIMATE DEPTH OF WELL 150 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 other

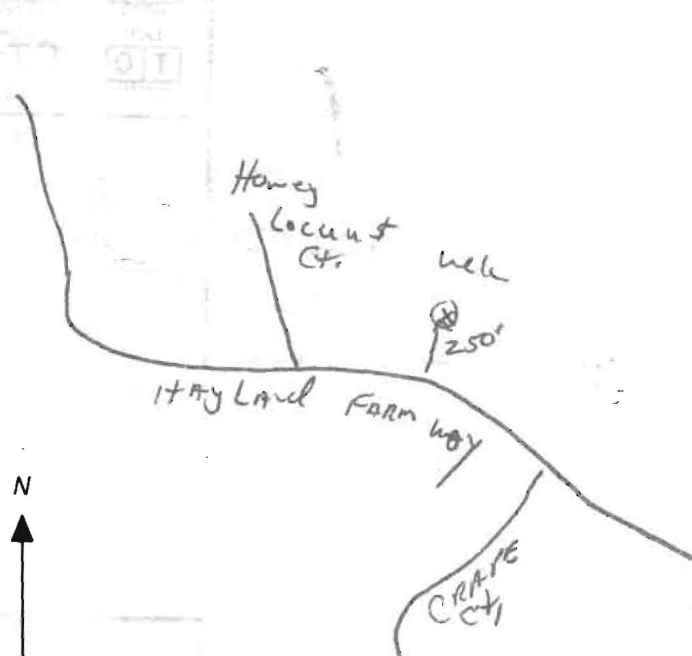
REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- N THIS WELL WILL NOT REPLACE AN EXISTING WELL Y THIS WELL WILL REPLACE A WELL THAT WILL BE ABANDONED AND SEALED 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-95-2693

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



SPECIAL CONDITIONS Radon Sample Required at yield test, all wells must be at least 100 feet apart 3 HO-95-2314 must be properly sealed & abandoned.

C 1 26545

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER A 520 385 A 520 448

DATE RECEIVED MM DD YY 8 13

DATE WELL COMPLETED MM DD YY 05 15 14

DEPTH OF WELL 22 125 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2693

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO-95-2693

OWNER SASSER VENTURE LLC WELL SITE ADDRESS HAYLAND KANA WAY TOWN CLARKS WILLE SUBDIVISION SECTION PHASE II LOT 3

WELL LOG Not required for driven wells

STATE THE KIND OF FORMATIONS PENETRATED, THEIR COLOR, DEPTH, THICKNESS AND IF WATER BEARING

Table with columns: DESCRIPTION, FEET (FROM, TO), check if water bearing. Rows include Top Soil, Clay, Sandy, Sand Stone, MICKA, Sand Stone, MICKA.

GROUTING RECORD

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (C) (M) (B) (C) NO. OF BAGS 18 NO. OF POUNDS 1800 GALLONS OF WATER 108 DEPTH OF GROUT SEAL 0 to 26 ft.

CASING RECORD (S) (T) (C) (O) (P) (L) (O) (T) STEEL CONCRETE PLASTIC OTHER

MAIN CASING TYPE PL Nominal diameter 6 Total depth 28

OTHER CASING (if used) PL diameter 4 1/2 inch depth 5 to 125

SCREEN RECORD (S) (T) (B) (R) (H) (O) (P) (L) (O) (T) STEEL BRASS BRONZE OPEN HOLE PLASTIC OTHER

DEPTH (nearest ft.) 1 2 PL 60 80

DIAMETER OF SCREEN 4 1/2 (NEAREST INCH) 56 60

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 70 72 74 75 76

PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucket WATER LEVEL (distance from land surface) BEFORE PUMPING 9 ft. WHEN PUMPING 11 ft. TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (J) jet (S) submersible

PUMP INSTALLED

DRILLER INSTALLED PUMP (YES) (NO) 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. 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) (+) above () below LAND SURFACE 2 (nearest foot)

LATITUDE 39.23897 LONGITUDE 76.94623 (DEFAULT COORD. WGS 84)

NOTES:

NUMBER OF UNSUCCESSFUL WELLS: 1

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 26.04.04 "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 (MUST MATCH SIGNATURE ON APPLICATION) LIC. NO. D

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

WATER WELL ABANDONMENT-SEALING REPORT FORM

SUBMIT COPIES OF COMPLETED FORM TO:

- * COUNTY ENVIRONMENTAL AGENCY (contact MDE, WMA if address needed)
- * WELL OWNER
- * MDE, WATER MANAGEMENT ADMINISTRATION, WELL PROGRAM

DATE WELL ABANDONED: MAY 15 2014 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

HO - 95 - 2314

* PERMIT NUMBER OF REPLACEMENT WELL:

HO - 95 - 2603

* PERSON ABANDONING WELL: Ralph E Mayne WELL DRILLER'S LICENSE NUMBER: 119

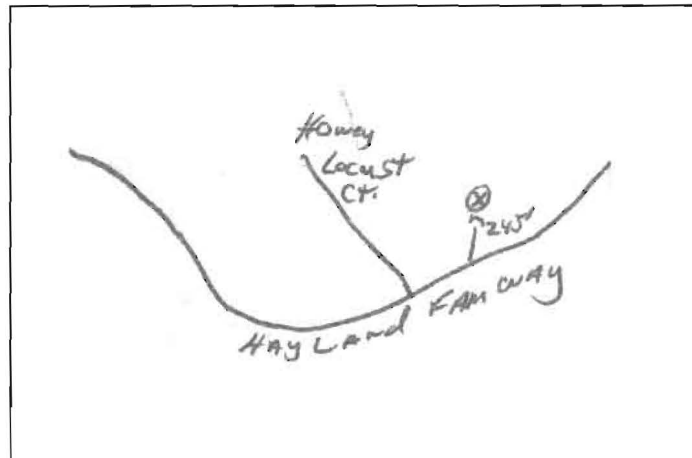
CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: Bassler Venture LLC

* WELL LOCATION:

COUNTY: Howard
NEAREST TOWN: CLARKSVILLE
TAX MAP 28 BLOCK 11 PARCEL 49
SUBDIVISION: WALNUT CREEK PHASE II
SECTION: _____ LOT: 31
STREET ADDRESS: HAYLAND FARM WAY

SITE LOCATION MAP



LATITUDE 3 9.23897 -

LONGITUDE 7 6.94680 -

* TYPE OF WELL BEING ABANDONED:

DRILLED _____ JETTED
 BORED _____ HAND DUG
 OTHER (specify) _____

LOG OF SEALING MATERIAL

* USE CODE: DOMESTIC

_____ IRRIGATION _____ MUNICIPAL/PUBLIC
_____ TEST/OBSERVATION _____ INDUSTRIAL
_____ _____ GEOTHERMAL

* TYPE OF CASING:

_____ STEEL _____ PLASTIC
_____ CONCRETE _____ OTHER (specify) _____

MATERIAL	FEET	
	FROM	TO
<u>Cement</u>	<u>0</u>	<u>25</u>

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 25 FEET DEEP

WAS ANY CASING REMOVED? YES _____ NO

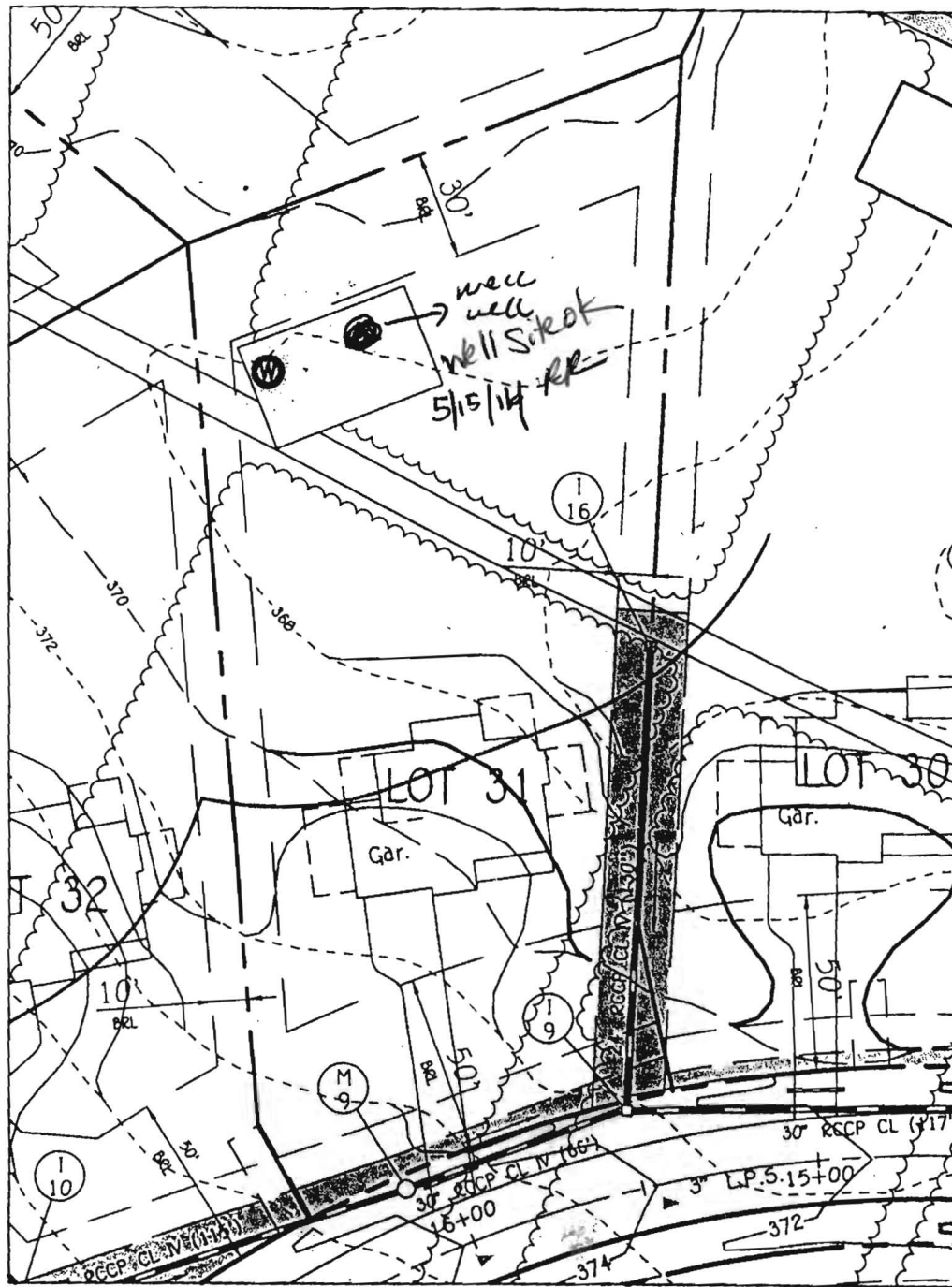
If yes, length removed, in feet: 2ft

WAS CASING RIPPED OR PERFORATED? _____ YES NO

VOLUME OF MATERIAL USED

7 BAGS Cement
42 GAL water





WELL LOCATION INFORMATION:

NORTHING = 572614
 EASTING = 1327402
 LATITUDE = 39° 14' 20"
 LONGITUDE = 76° 56' 48"

**LOT 31 WELL MAP
 WALNUT CREEK**

**PHASE TWO
 LOTS 1 THRU 22
 NON-BUILDABLE PRESERVATION PARCELS 'A'-'D'
 & BUILDABLE BULK PARCELS 'E' & 'F'**

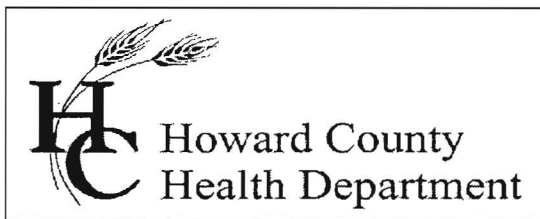
C. J. INS & CARTER, INC.

ENGINEERING, CONSULTANTS & LAND SURVEYORS

CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2955

ZONED: RC-DEO & RR-DEO

TAX MAP No. 28 GRID Nos. 4, 5, 10-12, 17, AND 18
 PARCEL No. 49
 FIFTH ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND
 DATE: MAY 25, 2012 SCALE: 1"=50'



Bureau of Environmental Health

8930 Stanford Blvd., Columbia, MD 21046-2147

Main: 410-313-1771 | Fax: 410-313-2648

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

INTERIM CERTIFICATE OF POTABILITY

Expiration Date – DECEMBER 2, 2014

June 2, 2014

Homeowner
12142 Hayland Farm Way
Ellicott City, MD 21042

**RE: Walnut Creek, Lot 31
12142 Hayland Farm Way
Building Permit: B14000214
Well Permit: HO-95-2693**

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 **5/30/2014**. Final approval of the well line connection to the dwelling was granted on **6/2/2014**. The well construction was completed on **5/15/2014**. Water samples were collected on **5/28/2014**.

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.

The well installed under permit HO-95-2693 is a replacement well. Results of radium testing for this well are not reported herein as the initial well on this lot (HO-95-2314) had been tested. Gross Alpha and Beta samples were collected on **7/13/2012**. Results showed a Gross Alpha level of **<2.0 ± 0.0 pCi/L** and **Gross Beta** level of **<4.0 ± 0.0 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). Also wells on surrounding lots have all been tested and analyses results for radium or its degradation products have not exceeded MCLs for any of those wells.

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-95-2693. 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,



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