

C 1 26535

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND WELL COMPLETION REPORT

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)

FILL IN THIS FORM COMPLETELY PLEASE TYPE

COUNTY NUMBER A 520-385

ST/CO USE ONLY DATE RECEIVED MM DD YY 10 15 15

DATE WELL COMPLETED MM DD YY 10 01 15

Depth of Well 22 105 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" 11/17/15SC OK HO - 15 - 0031

OWNER BASSLER VENTURE LLC last name first name TOWN CLARKSVILLE MD WELL SITE ADDRESS LIN ACRA CH SUBDIVISION WALNUT CREEK PHASE 4 SECTION LOT 139

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. Includes entries for Top Soil, Clay, Sandy, Sand Stone MICKA, Sand Stone MICKA.

GROUTING RECORD yes no (Circle Appropriate Box)

WELL HAS BEEN GROUTED (Y) (N) TYPE OF GROUTING MATERIAL (Circle one) CEMENT (CM) BENTONITE CLAY (BC) NO. OF BAGS 18 NO. OF POUNDS 1800 GALLONS OF WATER 108 DEPTH OF GROUT SEAL (to nearest foot) from 0 TOP 52 ft. to 50+ BOTTOM 58 ft.

CASING RECORD casing types insert appropriate code below (ST) (CO) (PL) (OT)

MAIN CASING TYPE PL Nominal diameter top (main) casing (nearest inch)! 6 Total depth of main casing (nearest foot) 60

OTHER CASING (if used) diameter inch depth (feet) from to

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

DEPTH (nearest ft.) table with columns 1-21 and rows E, A, C, H, S, R, E, N. Includes handwritten values like 100, 58, 105.

DIAMETER OF SCREEN (NEAREST INCH) 56 60 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 TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3 PUMPING TEST

HOURS PUMPED (nearest hour) 3 PUMPING RATE (gal. per min.) 15 METHOD USED TO MEASURE PUMPING RATE Bucked WATER LEVEL (distance from land surface) BEFORE PUMPING 25 ft. WHEN PUMPING 27 ft. TYPE OF PUMP USED (for test) (A) air (P) piston (T) turbine (C) centrifugal (R) rotary (O) other (describe below) (J) jet (S) submersible

PUMP INSTALLED DRILLER INSTALLED PUMP (CIRCLE) (YES or 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 39.23655 LONGITUDE 76.94399 (DEFAULT COORD. WGS 84)

NOTES:

NUMBER OF UNSUCCESSFUL WELLS: 1 WELL HYDROFRACTURED (Y) (N)

CIRCLE APPROPRIATE LETTER 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 5 D 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)

B 1 26882

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 555799-A

STATE PERMIT NUMBER 40-15-0031 fill in this form completely

Date Received (APA) 04/08/15

OWNER INFORMATION

Bassler Venture LLC, P.O. Box 482, Lisbon MD 21765

LOCATION OF WELL: Howard County, Walnut Creek Phase III, Clarksville MD

DRILLER INFORMATION

Raul Mayne, M S D 112, Raul Mayne Well Drilling, 17024 Hardy Rd Mt Airy MD 21076

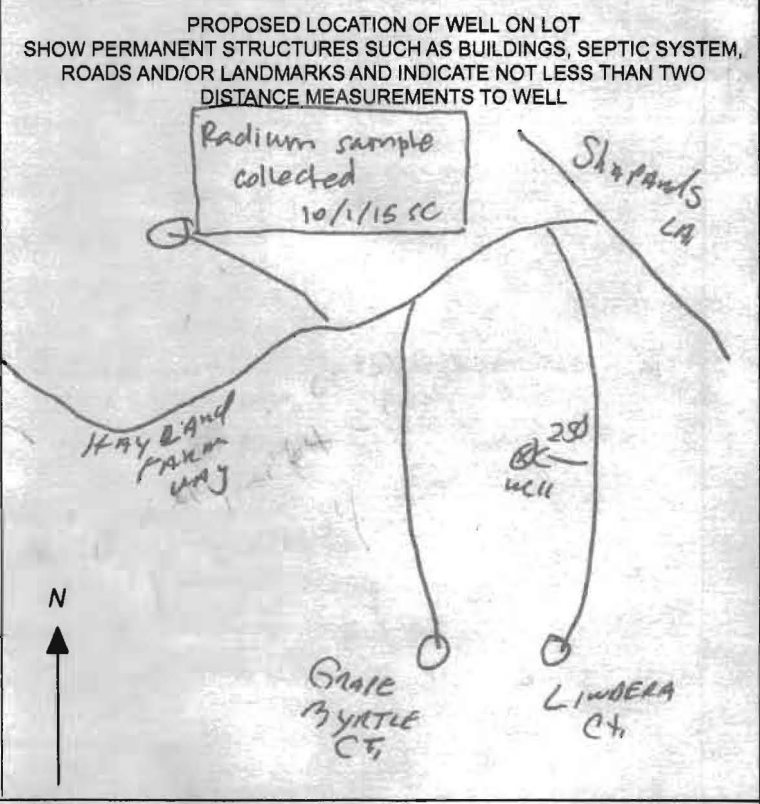
SOURCES OF DRILLING WATER: well, Lindera Ct. ON WHICH SIDE OF ROAD: SOUTH, DISTANCE FROM ROAD: 250 FT, TAX MAP: 28, PARCEL: 49

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 County, AS20385, STATE SIGNATURE, DATE ISSUED: 4/20/15, CO SIGNATURE: Sub LLC, EXP. DATE: 4/20/16

- USE FOR WATER (CIRCLE APPROPRIATE BOX): [D] DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION

APPROXIMATE DEPTH OF WELL: 150 FEET, APPROXIMATE DIAMETER OF WELL: 6" INCH, NEAREST INCH



METHOD OF DRILLING (circle one): BORED (or Augered) AIR-ROTary, JETTED AIR-PERCussion, Jetted & DRIVEN ROTARY (Hydraulic Rotary), Drive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX): [N] THIS WELL WILL NOT REPLACE AN EXISTING WELL

Not to be filled in by driller (MDE OR COUNTY USE ONLY): APPROP. PERMIT NUMBER: H02006G020, PERMIT No.: H0-15-0031

SPECIAL CONDITIONS: Wells must be 100' apart and 100' from grinder pit. COUNTY Radium sample required at yield.

**HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
WELL & SEPTIC PROGRAM
TEL: (410)313-1771 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: Robert L. Feezer Co. Telephone #: 410-781-4655
Address: 6321 Barnett Avenue
Sykesville, MD 21784

(Must circle one) Licensed Plumber Licensed Well Driller Licensed Well Pump Installer
License # and name of individual responsible for the field installation:
Name (Print): Joshua Henricks License# PI0173

***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: NV Homes Telephone #: 410-379-5956
Subdivision: Walnut Creek Lot #: 134 Well Tag #: HO - 15 - 0031 ✓ ⊙
Site Address: 5024 Linder Court
Ellicott City, MD 21042

<u>Submersible Pump Data</u>	<u>Pitless Adapter</u>	<u>Well Cap and Electric Conduit</u>
Make: <u>Berkeley</u>	Make: <u>Boshart</u>	Two piece watertight cap: <u>Yes</u>
Model #: <u>B7P4MS07221</u>	Model#: <u>P-100-SS</u>	Screened, vented well cap: <u>Yes</u>
Pump Capacity <u>7</u> GPM	Depth: <u>42"</u> (36" min)	Cap secured to casing: <u>Yes</u>
Well Yield: <u>15.0</u> GPM	NSF/WSC approved: <u>Yes</u>	Conduit min 18" B.G.: <u>Yes</u>
Depth of well encountered at time of pump installation: <u>105</u> (feet)	Conduit secured to well cap: <u>Yes</u>	

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

<u>Piping to house</u>	<u>House Connection</u>
Type: <u>Poly</u>	PVC sleeve to undisturbed soil at wall penetration: <u>Yes</u>
PSI: <u>200</u> (160 psi min)	Length of sleeve(5' minimum from foundation): <u>10'</u>
Depth of supply line: <u>42"</u> (36" min)	Sleeve 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.

Joshua Henricks April 4, 2017
Signature of company representative responsible for installation date

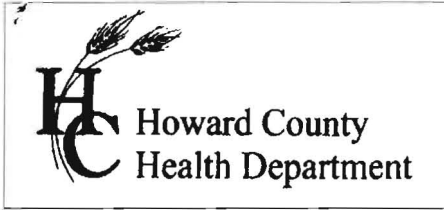
For Health Department Use Only – Not to be completed by Installer

Date Insp. Requested: 04/27/2017 Date Insp. Approved: 04/27/2017 Inspector: Ⓛ
Inspection Data: Pitless adapter watertight & water supply line at least 36" below grade 04/27/17 43" ⊙
Two piece cap installed and attached to casing securely 04/27/17
Elec. conduit extends at least 18" below grade/attached to cap properly 04/27/17 39" ⊙
Safety rope not outside of well cap/casing 04/27/17
Correct well tag attached properly and casing 8" above finished grade 04/27/17 12" ⊙
Water supply line sleeved adequately at house connection 04/27/17 105" ⊙
Adequate grout observed below pitless adapter 04/27/17

04/27/2017
Shere Spec
Charlotte Pipe
PLPA Trivet System
3402013 2" PVC Type 1
SCH 40 NSF@dwr
ASTM D 2665 PVC 1120
PR 280 PSI @ 23°C NSF@ dwr
4.8 Code ASTM D 1785 SCH 40 AC
Well Casing IC-0 ASTM F480 NSF@ dwr
04-110-P made in USA 12/10/16 05/28 EXT #12L CG ⊙

** Well to be re grouted
04/27/2017 ⊙*

*Jeremy Ruter
410 982 2882*



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. Bielensohn, 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>Subdivision/Property Name</u>	<u>Lot #</u>	<u>Road Name</u>
Walnut Creek	134	Lindera Court

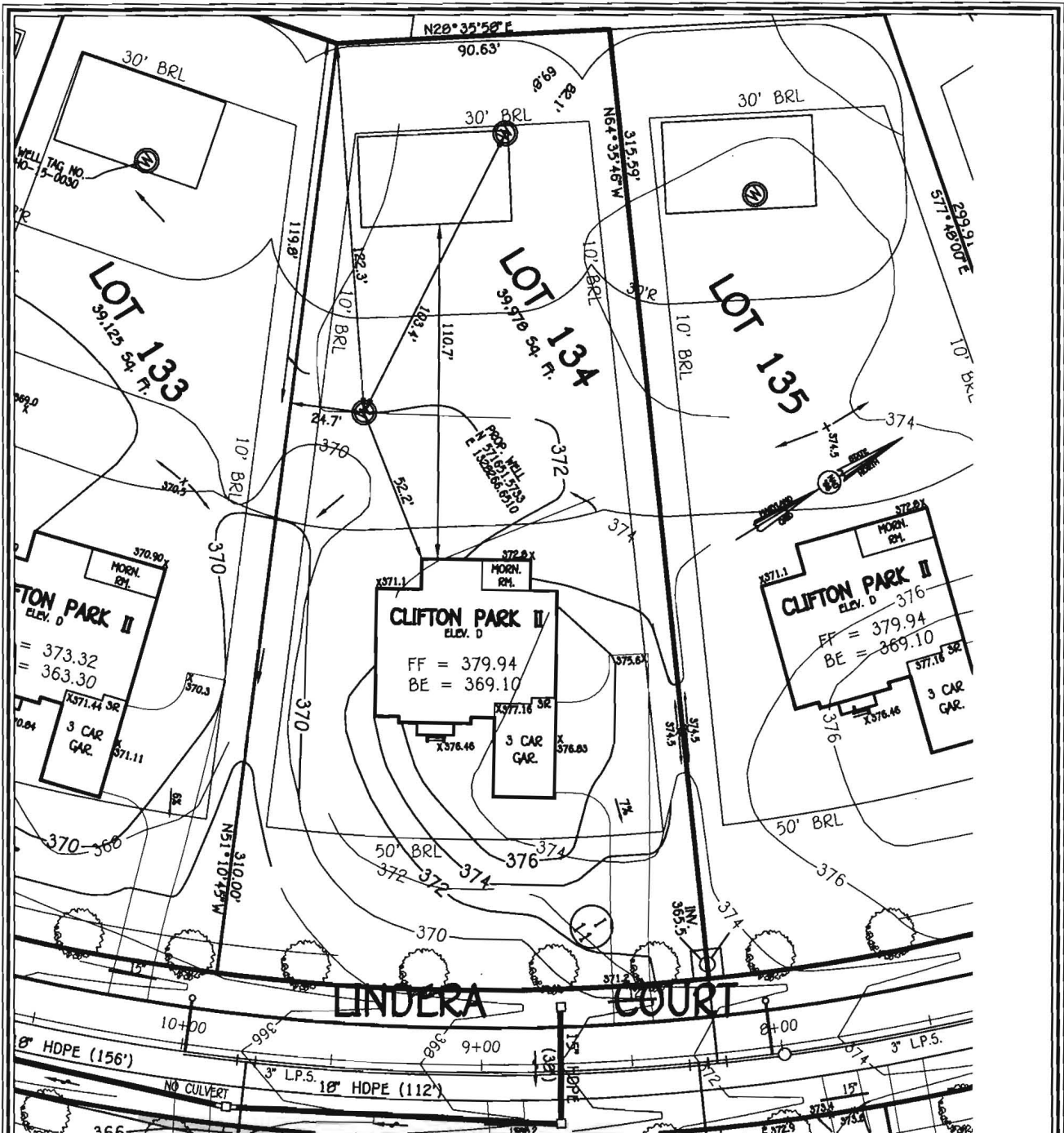
- The well site has been staked by Fisher, Collins and Carter, Inc.,
(professional land surveyor or company employing professional land surveyors)
on 06/01/17 (date) and does not require a site inspection.

- 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

I:\2004\04001\dwg\PHASE FOUR FINALS\04001-3005 Walnut Crk Ph 4 Well Exhibit Lot 134 NV Ph 4.dwg, 6/1/2017 9:05:18 AM, 1:1

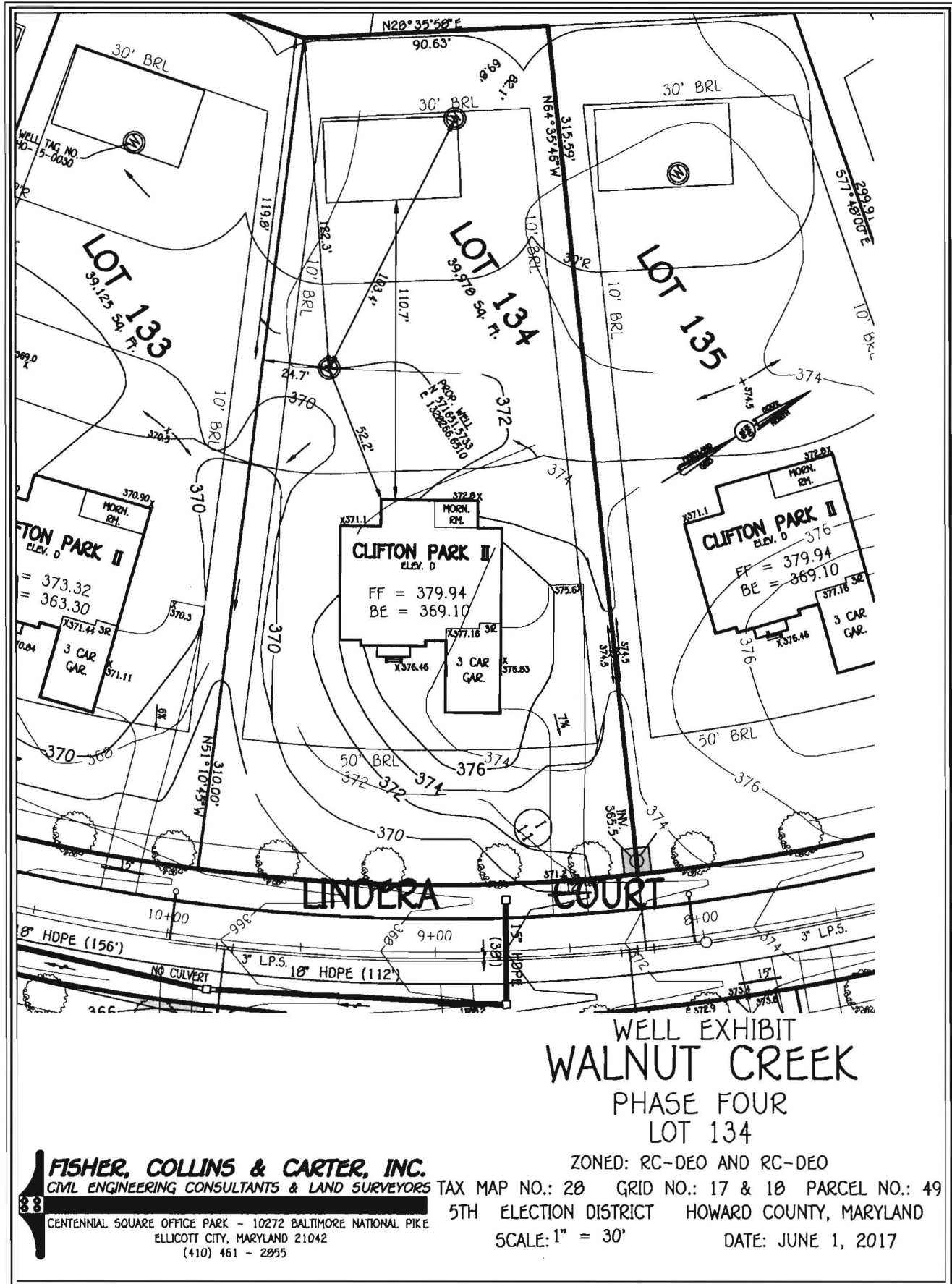


WELL EXHIBIT
WALNUT CREEK
 PHASE FOUR
 LOT 134

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

ZONED: RC-DEO AND RC-DEO
 TAX MAP NO.: 28 GRID NO.: 17 & 18 PARCEL NO.: 49
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30'
 DATE: JUNE 1, 2017

I:\2004\04001\dwg\PHASE FOUR FINALS\04001-3005 Walnut Crk Ph 4 Well Exhibit Lot 134 NV Ph 4.dwg, 6/1/2017 9:05:18 AM, 1:1



WELL EXHIBIT
WALNUT CREEK
 PHASE FOUR
 LOT 134

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

ZONED: RC-DEO AND RC-DEO
 TAX MAP NO.: 28 GRID NO.: 17 & 18 PARCEL NO.: 49
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: JUNE 1, 2017

WATER WELL ABANDONMENT-SEALING REPORT FORM

10-1515
SUBMIT COPIES OF COMPLETED FORM TO:

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

OK
11/17/15 SC

DATE WELL ABANDONED: 06. 1, 2015 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any)

HO - 15 - 0031

* PERMIT NUMBER OF REPLACEMENT WELL:

HO - 15 - 0031

* PERSON ABANDONING WELL: Ralph MAYNE

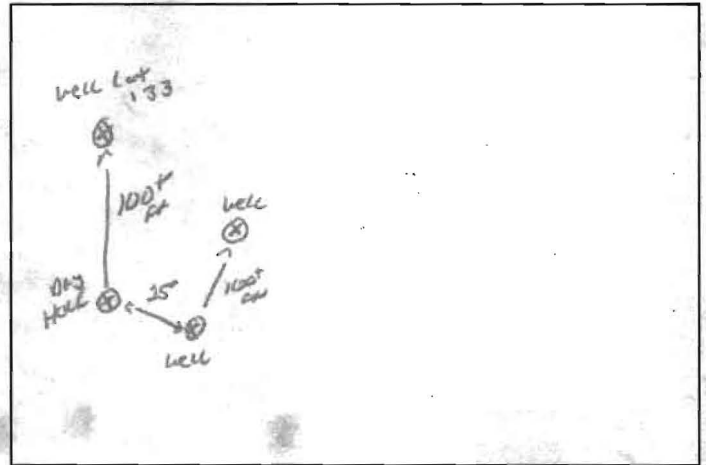
WELL DRILLER'S LICENSE NUMBER: 117

* OWNER'S NAME: Bassler Venture LLC

CIRCLE: MWD / MSD / MGD

* WELL LOCATION:
COUNTY: Howard
NEAREST TOWN: Clarksville
TAX MAP 28 BLOCK _____ PARCEL 49
SUBDIVISION: _____
SECTION: 4 LOT: 134
STREET ADDRESS: Lindera Ct

SITE LOCATION MAP



LATITUDE 39.23649

LONGITUDE 76.94393

* TYPE OF WELL BEING ABANDONED:

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

* USE CODE: DOMESTIC

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

* TYPE OF CASING:

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

SIZE OF CASING: 6 INCHES IN DIAMETER

DEPTH OF WELL: 100 FEET DEEP

WAS ANY CASING REMOVED? YES VOID NO

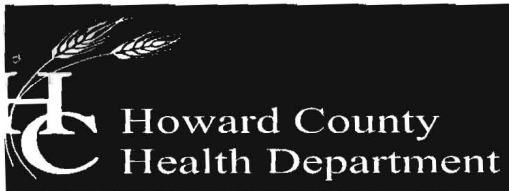
If yes, length removed, in feet: 2

WAS CASING RIPPED OR PERFORATED? YES NO

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
Sand Stone	100	20
Cement	20	0
VOLUME OF MATERIAL USED		





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

Facebook: www.facebook.com/hocohealth

Maura Rossman, M.D., Health Officer

November 20, 2015

Bassler Venture
Attn. Tim Feaga
15950 North Avenue, P.O. Box 482
Lisbon, Maryland 21765

RE: Walnut Creek Lot 134
Crape Myrtle Court
Well Tag: HO - 15 - 0031

Dear Mr. Feaga:

(* Well Sealed)

A sample was collected during a yield test on October 1, 2015 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,

Handwritten signature of Bert Nixon in cursive.

Bert Nixon, Director

Bureau of Environmental Health

✓ Enclosure
cc: Property file

SEND REPORT TO: Bert Nixon DEPARTMENT OF HEALTH AND MENTAL HYGIENE

Howard County Health Department

Bureau of Environmental Health

8930 Stamford Blvd.
Columbia, Maryland 21045

Laboratories Administration
201 W. Preston St., Baltimore, MD 21201
Robert A. Myers, Ph.D., Director

1770 Ashland Ave. Baltimore, MD 21205

RADIATION ANALYSIS REQUEST FORM

Lab No. 800 334 8-20

Plant/Site Name: Walnut Creek - Lot 134 County: Howard

Sample Source: Crape Myrtle Ct. Location: 110-15-0031

(Well no., lab sink, sample tap, etc.)

Radon-222 Bottle A _____ Radon-222 Field Blank Bottle A _____
Bottle B _____ Bottle B _____

County Plant No.

--	--	--	--	--	--	--	--	--	--

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code:

--	--

 Federal Project: 5

Collector: S. Collins Telephone No.: 410-313-6287

Date Collected: 10/1/15 Time Collected: 10:15 a.m. _____ p.m.

Field pH: _____ Field Chlorine: _____

Nitric Acid Preserved: Yes No Iced: Yes No

Remarks: Sample taken during yield test

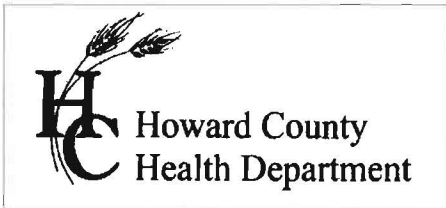
☑	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	<u>0584</u>	<u>EPA900.0</u>	<u><2.0</u>	<u>10/5/15</u>	<u>JJ</u>	<u>10/8/15</u>
<input checked="" type="checkbox"/>	Gross Beta	4100	<u>0584</u>	<u>EPA900.0</u>	<u><4.0</u>	<u>10/5/15</u>	<u>JJ</u>	<u>10/8/15</u>
<input type="checkbox"/>	Radium-226	4020						
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input type="checkbox"/>								

Date Received: 10/02/15 Received By: In JJ

Data Release Signature: Deborah Miller - JMK Date: 10/09/15

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	<input checked="" type="checkbox"/>		
Sample pH <2.0?	<input checked="" type="checkbox"/>		
Received within holding time?	<input checked="" type="checkbox"/>		

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



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. Bielson, 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:

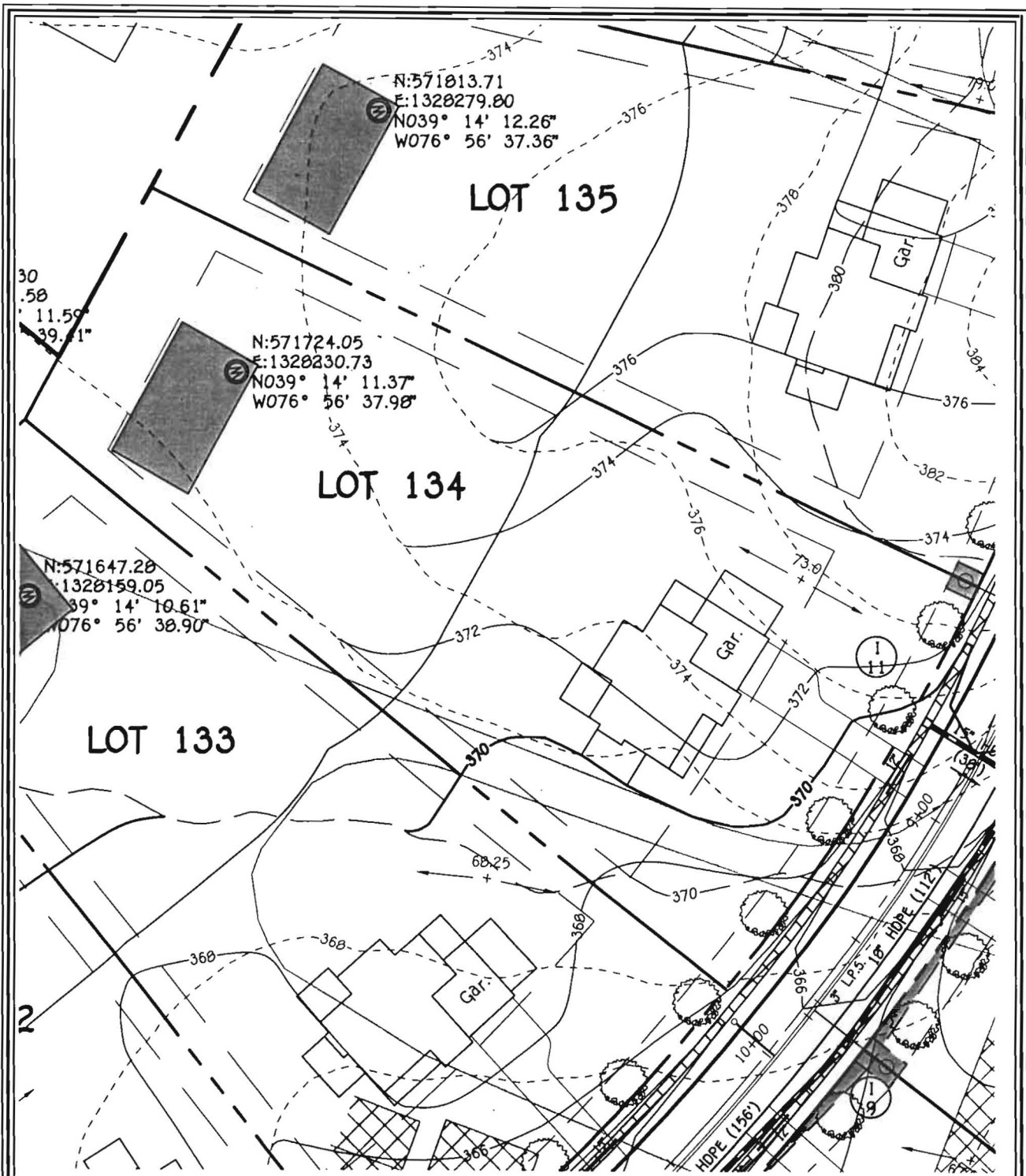
Walnut Creek Phase 4	134	Lindera Ct.
Subdivision/Property Name	Lot #	Road Name

The well site has been staked by Fisher, Collins and Carter, Inc.,
(professional land surveyor or company employing professional land surveyors)
on 03/11/15 (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



WELL LOCATION INFORMATION:
 NORTHING = 571724.05 EASTING = 1320230.73
 LATITUDE = N 39° 14' 11" LONGITUDE = W 76° 56' 38"

LOT 134 WELL MAP
WALNUT CREEK
PHASE FOUR

Lots 23 - 60, Non-Buildable Preservation Parcels
 'C', 'G', 'T', 'K', 'L' And 'M', Buildable Bulk Parcels 'E' And 'H'
 & Non-Buildable Parcel 'J'

ZONED: RC-DEO & RR-DEO

TAX MAP No. 20 GRID Nos. 4, 5, 10-12, 17, AND 18 PARCEL No. 49
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 DATE: FEBRUARY 23, 2015 SCALE: 1"=50'

FISHER, COLLINS & CARTER, INC.
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS
 CENTENNIAL SQUARE OFFICE PARK - 10272 BALTIMORE NATIONAL PIKE
 ELLICOTT CITY, MARYLAND 21042
 (410) 461 - 2899

SEND REPORT TO: Bert Nixon DEPARTMENT OF HEALTH AND MENTAL HYGIENE
 Laboratories Administration
 201 W. Preston St., Baltimore, MD 21201
 Robert A. Myers, Ph.D., Director
 1770 Ashland Ave. Baltimore, MD 21205

Howard County Health Department
 Bureau of Environmental Health
 8930 Stanford Blvd.
 Columbia, Maryland 21045

Lab No. 0007003 8-20

RADIATION ANALYSIS REQUEST FORM

Plant/Site Name: Field Blank County: Howard
 Sample Source: dH₂O Location: HCHD Lab
(Well no., lab sink, sample tap, etc.)
 Radon-222 Bottle A _____ Radon-222 Field Blank Bottle A _____
 Bottle B _____ Bottle B _____

County 13 Plant No.

CHECK (one per Box)

Type	Service	Point of Collection	Testing
Drinking Water <input checked="" type="checkbox"/>	Community <input type="checkbox"/>	Source (Raw) <input checked="" type="checkbox"/>	Emergency <input type="checkbox"/>
Landfill <input type="checkbox"/>	Non-Community <input type="checkbox"/>	Distribution (treated) <input type="checkbox"/>	Routine <input checked="" type="checkbox"/>
Stream <input type="checkbox"/>	Private <input checked="" type="checkbox"/>	MCL <input type="checkbox"/>	Recheck <input type="checkbox"/>
Other <input type="checkbox"/>	Other <input type="checkbox"/>		Special <input type="checkbox"/>

Submitters Code: Federal Project: 5
 Collector: S. Collins Telephone No.: 410-313-6287
 Date Collected: 10/11/15 Time Collected: _____ a.m. 2:45 p.m.
 Field pH: _____ Field Chlorine: _____
 Nitric Acid Preserved: Yes No Iced: Yes No

Remarks: _____

☑	TEST	EPA Code	Lab No.	Method No.	Results (pCi/L)	Date Analyzed	Analyst	Date Reported
<input checked="" type="checkbox"/>	Gross Alpha	4000	0583	EPA900-D	<2.0	10/5/15	JT	10/9/15
<input checked="" type="checkbox"/>	Gross Beta	4100	0583	EPA900-D	<4.0	10/5/15	JT	10/9/15
<input type="checkbox"/>	Radium-226	4020						
<input type="checkbox"/>	Radium-228	4030						
<input type="checkbox"/>	Total Uranium	4006						
<input type="checkbox"/>	Radon-222 (Bottle A)	4004						
<input type="checkbox"/>	Radon-222 (Bottle B)	4004						
<input type="checkbox"/>	Radon Field Blank A	4004						
<input type="checkbox"/>	Radon Field Blank B	4004						
<input type="checkbox"/>	Tritium							
<input type="checkbox"/>								

Date Received: 10/02/15 Received By: In Ji
 Data Release Signature: Delbert Miller - Juch Date: 10/9/15

Lab Use Only	Yes	No	N/A
Sample Intact upon arrival?	✓		
Sample pH <2.0?	✓		
Received within holding time?	✓		

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

FILE INQUIRY NOTES

5004 Lindera Court

DATE	RESULTS OF REVIEW FOR FILE
05/02/2017	Lehigh Lehigh Portland Cement Type 1/11
	On Site @ 11 bags
	↓ Heidelberg cement group
Joseph Mayne	CAS NO. 65997-15-1
	<u>CAS. NO</u>
	Tricalcium Silicate 12168-85-3
	Dicalcium Silicate 10034-77-2
	Tricalcium Aluminate 12042-78-3
	Tetracalcium Aluminoferrite 12068-35-8
	Calcium Sulfate 13397-24-5
	NO Tremie Pipe - Grouting from surface
	<ul style="list-style-type: none"> > Asked the contractor to provide support that grout was reaching collapse point.
	<ul style="list-style-type: none"> > Told contractor to remove 4" cement plug to open annular space to allow for tremie pipe.
	<ul style="list-style-type: none"> > contractor decided to discontinue w/ work for the day
	25 bag - 14:01 - still ~ 30' to grout line
	35' tape measure broke @ 45"
	Contractor did not call m grout on this Day (P)

5/3/2017 11:13 Grout incomplete by well Ho-15-0031

I will not approve this well (D)
until adequate grouting occurs

Driller must call in work in regard
to fixing this well (D)

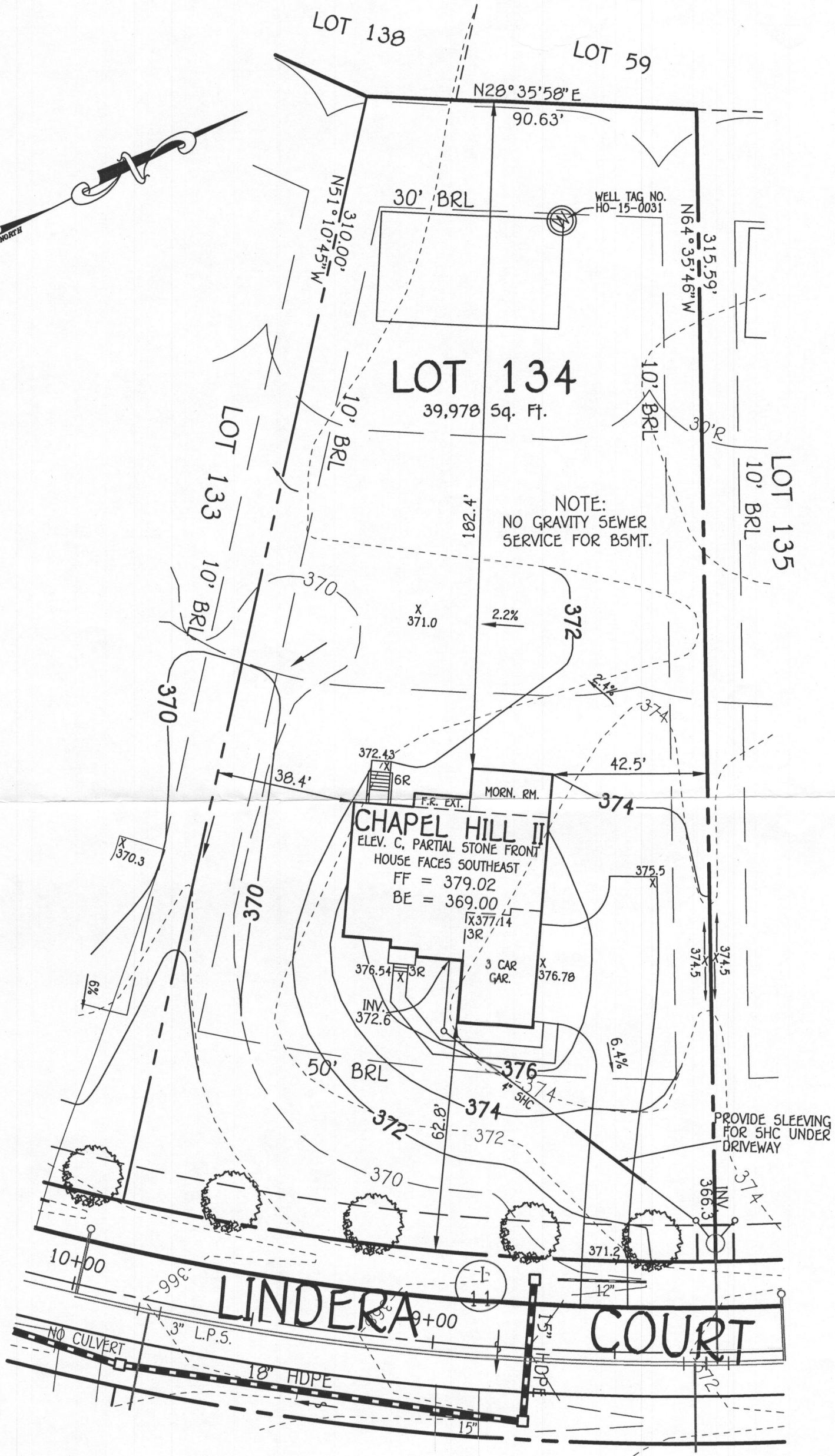
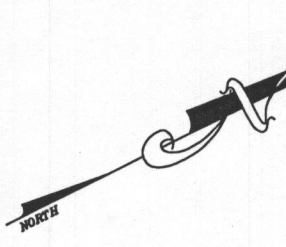
Used gravel to fill and then
added more cement.

gravel filled up to ~ 18"
mixed on w/ cement. (D)

5/4/2017 Grout observed by well at grade.

Sufficient evidence that grout

remained in place along casing. (D)



NOTE:
NO GRAVITY SEWER
SERVICE FOR BSMT.

CHapel Hill II
ELEV. C, PARTIAL STONE FRONT
HOUSE FACES SOUTHEAST
FF = 379.02
BE = 369.00

PROVIDE SLEEVING
FOR SHC UNDER
DRIVEWAY

BUILDER
NV HOMES INC.
9720 PATUXENT WOODS
COLUMBIA, MARYLAND 21046

OWNER
BV BUSINESS TRUST
P.O. BOX 482
LISBON, MARYLAND 21765-0482

PLAN
SCALE: 1"=30'

PERMIT SITE PLAN
LOT 134
5024 LINDERA COURT
WALNUT CREEK
ZONED: RC-DEO

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

WELL CERTIFICATION:
THE EXISTING WELL, TAG NO. HO-15-0031, HAS BEEN
FIELD LOCATED AND IS ACCURATELY SHOWN.

TAX MAP NO.: 28 PARCEL NO. 49 GRID NO.: 17 & 18
SIXTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
SCALE: 1" = 30' DATE: JAN. 17, 2016