

C 1 16632 SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND
WELL COMPLETION REPORT
 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)

ST/CO USE ONLY DATE Received MM DD YY 03 18 13

DATE WELL COMPLETED MM DD YY 2 13 13

Depth of Well 22 300 26 (TO NEAREST FOOT)

PERMIT NO. FROM "PERMIT TO DRILL WELL" HO - 95 - 2439

COUNTY NUMBER 28 29 30 31 32 33 34 35 36 37

OWNER last name Goodlier Baker Homes first name

WELL SITE ADDRESS Hall Shop rd. TOWN Highland

SUBDIVISION Schooler Mill Farm SECTION LOT 4

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	
Brown Clay	0	3	
Light Brown	3	34	
Dark Brown	34	64	
Gray	64	149	
White	149	150	✓
Gray	150	243	
White	243	244	✓
Gray	244	300	

GROUTING RECORD
 WELL HAS BEEN GROUTED (Circle Appropriate Box) **Y** **N**

TYPE OF GROUTING MATERIAL (Circle one)
 CEMENT **CM** BENTONITE CLAY **BC**

NO. OF BAGS 27 NO. OF POUNDS 2538

GALLONS OF WATER 162

DEPTH OF GROUT SEAL (to nearest foot)
 from 0 ft. to 68 ft.
 (enter 0 if from surface)

CASING RECORD
 casing types insert appropriate code below

ST STEEL **CO** CONCRETE
PL PLASTIC **OT** OTHER

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

PL 06 71

60 61 63 64 66 70

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

E A C H C A S I N G

SCREEN RECORD
 screen type or open hole insert appropriate code below

ST STEEL **BR** BRASS **HO** OPEN HOLE
PL PLASTIC **OT** OTHER

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 5D 009

DRILLER'S SIGNATURE Allen Conroy
 (MUST MATCH SIGNATURE ON APPLICATION)

LIC. NO. D

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

C 2 DEPTH (nearest ft.)

1 HO 71 300

E A C H S C A R E E N

8 9 11 15 17 21

23 24 26 30 32 36

38 39 41 45 47 51

SLOT SIZE 1 2 3

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

70 72 74 75 76

TELESCOPE CASING LOG INDICATOR OTHER DATA

C 3

PUMPING TEST

HOURS PUMPED (nearest hour) 06

PUMPING RATE (gal. per min.) 3

METHOD USED TO MEASURE PUMPING RATE 1 gal.

WATER LEVEL (distance from land surface)

BEFORE PUMPING 26 ft.

WHEN PUMPING 206 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 YES **N**

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. 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 } 02 (nearest foot)

LATITUDE 39.1689034

LONGITUDE 76.9561081

(DEFAULT COORD. WGS 84)

NOTES:

B 1 09321

SEQUENCE NO. (MDE USE ONLY)

STATE OF MARYLAND APPLICATION FOR PERMIT TO DRILL WELL please type 538119-C

STATE PERMIT NUMBER

HO-95-2439 fill in this form completely

Date Received (APA) 11-2-12

OWNER INFORMATION

Goodier Barker Homes 10751 Falls Rd. Suite 405 Lutherville, MD 21093

B 3 LOCATION OF WELL

Howard County Schoolly Mill Farm Highland

DRILLER INFORMATION

Allen Compton MS D 0009 Eagles Well Drilling, LLC PO. Box 202 Woodbine MD Allen Compton 9-5-12

B 4

SOURCES OF DRILLING WATER

Hall Shop RD ON WHICH SIDE OF ROAD DISTANCE FROM ROAD ENTER FT OR MI TAX MAP: A0 BLK: 10-11 PARCEL 115+149

B 2 WELL INFORMATION

APPROX. PUMPING RATE 5 (GAL. PER MIN.) AVERAGE DAILY QUANTITY NEEDED 14 (GAL. PER DAY)

USE FOR WATER (CIRCLE APPROPRIATE BOX)

- DOMESTIC POTABLE SUPPLY & RESIDENTIAL IRRIGATION FARMING (LIVESTOCK WATERING & AGRICULTURAL IRRIGATION) INDUSTRIAL, COMMERCIAL, DEWATERING PUBLIC WATER SUPPLY WELL TEST, OBSERVATION, MONITORING OPEN LOOP GEOTHERMAL CLOSED LOOP GEOTHERMAL

NOT TO BE FILLED IN BY DRILLER HEALTH DEPARTMENT APPROVAL

Howard A525118 13 COUNTY NAME COUNTY NO. STATE SIGNATURE DATE ISSUED 11/20/2012 CO SIGNATURE EXP. DATE 11/20/13

APPROXIMATE DEPTH OF WELL 300 FEET

APPROXIMATE DIAMETER OF WELL 6 INCH

METHOD OF DRILLING (circle one)

- BORED (or Augered) AIR-ROTary JETTED AIR-PERCussion ROTARY (Hydraulic Rotary) CABLE REVerse-ROTary DRive-POINT

REPLACEMENT OR DEEPEMED WELLS (CIRCLE APPROPRIATE BOX)

- THIS WELL WILL NOT REPLACE AN EXISTING WELL 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 DEEPEM AN EXISTING WELL

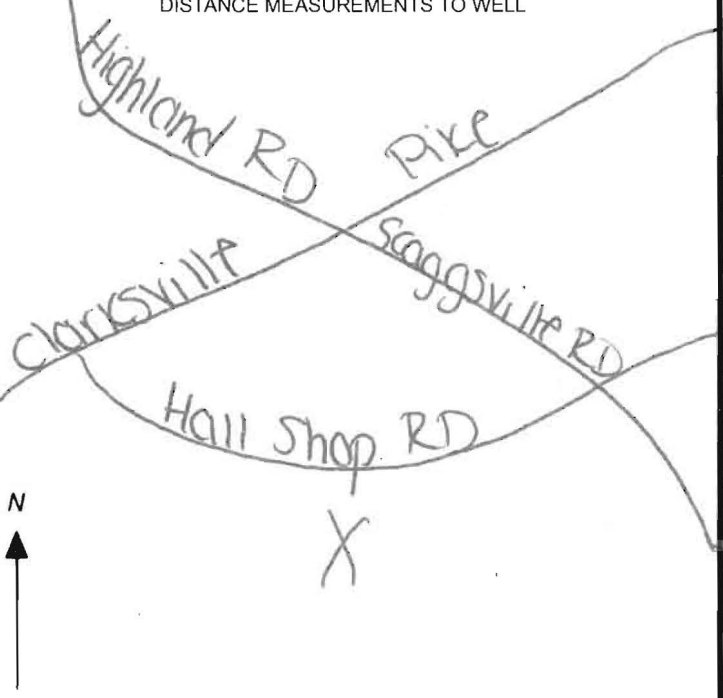
PERMIT NUMBER OF WELL TO BE REPLACED OR DEEPEMED (IF AVAILABLE)

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

APPROP. PERMIT NUMBER G

PERMIT No. HO-95-2439

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 required @ yield test

 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

PR OK
 4/1/13

DATE WELL ABANDONED: 2-13-13 (month/day/year)

* PERMIT NUMBER OF ABANDONED WELL (if any) _____

* PERMIT NUMBER OF REPLACEMENT WELL: _____

* PERSON ABANDONING WELL: Allen Compton WELL DRILLER'S LICENSE NUMBER: 009

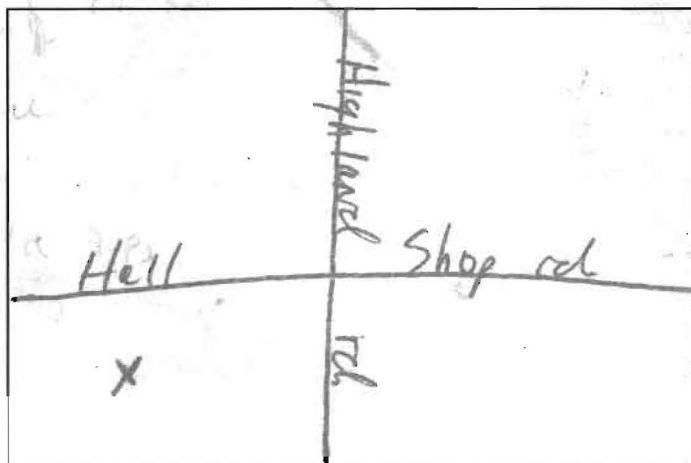
CIRCLE: MWD / MSD / MGD

* OWNER'S NAME: Goodier Baker Homes

* WELL LOCATION:

COUNTY: Howard
 NEAREST TOWN: Highland
 TAX MAP BLOCK PARCEL
 SUBDIVISION: Schooly Mill Farm
 SECTION: LOT:
 STREET ADDRESS: Hall Shop rd.

SITE LOCATION MAP



LATITUDE 39.1690445

LONGITUDE 76.9561081

Allen Compton

* TYPE OF WELL BEING ABANDONED:

DRILLED JETTED
 BORED HAND DUG
 OTHER (specify) _____

LOG OF SEALING MATERIAL

MATERIAL	FEET	
	FROM	TO
<u>Cement</u>	<u>0</u>	<u>75</u>
<u>Rock cuttings</u>	<u>75</u>	<u>225</u>
VOLUME OF MATERIAL USED		
<u>1 yd.</u>		

* USE CODE: DOMESTIC

IRRIGATION MUNICIPAL/PUBLIC
 TEST/OBSERVATION INDUSTRIAL
 _____ GEOTHERMAL

* TYPE OF CASING:

STEEL PLASTIC
 CONCRETE OTHER (specify) _____

SIZE OF CASING: 6" INCHES IN DIAMETER

DEPTH OF WELL: 225 FEET DEEP

WAS ANY CASING REMOVED? YES NO

If yes, length removed, in feet: _____

WAS CASING RIPPED OR PERFORATED? YES NO



FIELD DATA SHEET
HOWARD COUNTY WELL YIELD TEST

Well Permit No. HO - 95-2439
 Location of property (road) Hall Shop rd.
 Subdivision Schooly Mill Farm Lot 4 Block _____ Plat _____ Sec. _____
 Well Driller Fogles Owner Goodley Baker Homes

Depth of well 300'
 Distance of measuring point (M.P.) above ground 2'
 Static water level (S.W.L.) below M.P. 26'

I. High rate pumping -- reservoir drawdown

Time pump started 8:00 Pumping rate 15
 Total time 45 min to reach pumping water level 206 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 # gallon bucket	FLOW METER READING (if used)	CALCULATED FLOW (gallons per minute)
8:00	26	4		15
8:15	105	4		15
8:30	174	5		12
8:45	206	5		12
9:00	197	20		3
9:15	196	20		3
9:30	195	20		3
9:45	194	20		3
10:00	193	20		3
10:15	192	20		3
10:30	191	20		3
10:45	190	20		3
11:00	189	20		3
11:15	188	20		3
11:30	187	20		3
11:45	186	20		3
12:00	185	20		3
12:15	184	20		3
12:30	183	20		3
12:45	182	20		3
1:00	181	20		3
1:15	180	20		3
1:30	179	20		3

**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., Inc. 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): Robert L. Feezer License# 2122

***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: Schooley Mill Farm Lot #: 4 Well Tag #: HO - 95 - 2439
Site Address: 13029 Highgrove Road
Highland, MD 20777

Submersible Pump Data

Make: Berkeley
Model #: 87P4MS07221
Pump Capacity 7 GPM
Well Yield: 3 GPM

Pitless Adapter

Make: Boshart
Model#: P-100-SS
Depth: 42" (36" min)
NSF/WSC approved: Yes

Well Cap and Electric Conduit

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

Depth of well encountered at time of pump installation: 300 (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

Type: Poly
PSI: 200 (160 psi min)
Depth of supply line: 42" (36" min)

House Connection

PVC sleeve to undisturbed soil at wall penetration: Yes
Length of sleeve(5' minimum from foundation): 10'
Sleeve sealed properly: Yes

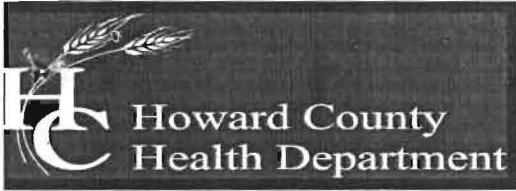
The water supply line is required to be at least ten feet from the septic tank, pump chamber, sewage piping, distribution box, drainfields, and sewage reserve area. If this cannot be accomplished, contact this office for approval prior to installation.

Robert L. Feezer Signature of company representative responsible for installation July 14, 2014 date

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

Date Insp. Requested: _____ Date Insp. Approved: _____ Inspector: _____
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

7/18/2014
BB
Tag Missing
Casing Extended -
No Grout Down to
5'



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

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

April 16, 2013

Goodier Baker Homes
2330 Joppa Road
Suite 395
Lutherville, Maryland 21093

RE: Schooley Mill Farm Lot 4
Hall Shop Road
Well Tag: HO - 95 - 2439

To Whom It May Concern:

A sample was collected during a yield test on February 13, 2013 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 3.1 ± 1.3 picocuries/liter (pCi/L), while the **Gross Beta** level was 7.0 ± 2.0 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,

A handwritten signature in cursive script that reads 'Bert Nixon'.

Bert Nixon, Director
Bureau of Environmental Health

Enclosure

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

Send Report To:

Bert Nixon

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

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

E001743 1912

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HOKW2439 No. B: Field Blank Bottle No. 1: FBKW21313 No B:

Plant/Site Name: Schwabey Mill Farm - Lot (4) County: Howard

Sample Source: Hall Ship Rd Location: 140-95-2439
(well no, lab sink, sample tap, etc.)

County: 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: K. Wolf

Telephone No.: 410-313-2645

Date Collected: 2/13/13

Time Collected: 11:30 a.m. p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code: Federal Project:

Field Data: pH Chlorine

Remarks: Sample pH preserved < 2.0

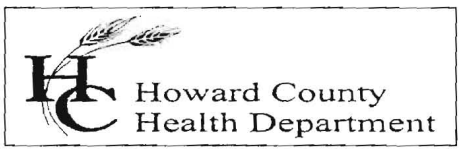
✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000	1743	3.1 ± 1.3	02/21/13	02/25/13
✓	Gross Beta	4100	1743	7.0 ± 2.0	1	1
	Radon-222 Bottle A	4004				
	Radon-222 Bottle B	4004				
	Field Blank #A	4004				
	Field Blank #B	4004				
	Tritium					
	Ra - 226	4020				
	Ra - 228	4030				
	Total Uranium	4006				

Date Received: 02/19/13

Supervisor: [Signature]

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

Invoice



Bureau of Environmental Health
 Attn: Bert Nixon, Director

DATE: APRIL 2, 2013
 DATES OF SERVICE: FEBRUARY 6 & 13, 2013
 INVOICE #: 2013-005

7178 Columbia Gateway Drive, Columbia, MD 21046-2147
 Phone 410-313-2640 Fax 410-313-2648
 www.hchealth.org

BILL TO Goodier Baker Homes
 2330 Joppa Road
 Suite 395
 Lutherville, Maryland 21093

COMMENTS Payment due upon receipt. Letter and results will be released upon receipt of payment.

DATE	DESCRIPTION	BALANCE	AMOUNT
02/06/13	Gross alpha/beta testing performed for Schooley Mill Farm, Lot # 5 HO - 95 - 2440		\$45.00
02/13/13	Gross alpha/beta testing performed for Schooley Mill Farm, Lot # 4 HO - 95 - 2439		\$45.00
			AMOUNT DUE
			\$90.00

Please detach and return with payment.

REMITTANCE	
Invoice #	2013-005
Site Information	Schooley Mill Farm Lots 4 & 5
Amount Due	\$90.00
Amount Enclosed	

Please make checks payable to "Director of Finance"

Please make checks payable to "Director of Finance"

psd 4/9/13
Receipt 44596



TRACE LABORATORIES, INC
 5 North Park Drive
 Hunt Valley, MD 21030 USA
 Telephone: 410/584-9099 / Fax: 410/584-9117
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory #318

CERTIFICATE OF ANALYSIS

Requester:

Robert L. Feezer Company
 Attn: Rick Cross
 6321 Barnett Avenue
 Sykesville, Maryland 21784

S/O Number: 94197

Report Date: August 22, 2014

Property Sampled: 13029 Highgrove Road, 20777
Sample Location: Pressure Tank Tap
Residual Chlorine: <0.1 mg/L

Building Permit #: B14000169
Sampler ID #: 7483AM
Samples Iced: Yes

County: Howard **Subdivision:** Schooley Mill Farm **Lot #:** 4

Date/Time Collected in Field: August 21, 2014 2:26 pm
Date/Time Received in Lab: August 21, 2014 4:17 pm

Well Tag #: No Visible Well Tag
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: N/A – Raw Sample

PARAMETER	METHOD	MCL/*SMCL	RESULT	COMMENT
★ Total Coliform	SM 9223B	Absent	PRESENT	FAIL
✓ E. coli	SM 9223B	Absent	Absent	Pass
✓ Nitrate	SM 4500-NO3D	10 mg/L as N	6.6 mg/L as N	Pass
✓ Turbidity	EPA 180.1	10 NTU	<1.0 NTU	Pass
✓ pH (Field)	SM 4500-H ⁺ B	*6.5-8.5 Units	6.4 Units	***
✓ Sand		Absent	Absent	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

Reviewed 8/25/14
 H.O.

Katherine C. Higgs
 Katherine C. Higgs
 Manager – Drinking Water Testing

MCL: Maximum Contamination Level, an enforceable level established by the EPA
 *SMCL: Secondary Maximum Contamination Level, a level recommended by the EPA
 ***A non-enforceable parameter that may cause cosmetic effects or aesthetic effects (such as taste, color or odor) in drinking water.



TRACE LABORATORIES, INC
 5 North Park Drive
 Hunt Valley, MD 21030 USA
 Telephone: 410/584-9099 / Fax: 410/584-9117
 Website: www.tracelabs.com / Email: info@tracelabs.com

Maryland State Certified Laboratory #318

CERTIFICATE OF ANALYSIS

Requester:

Robert L. Feezer Company
 Attn: Rick Cross
 6321 Barnett Avenue
 Sykesville, Maryland 21784

S/O Number: 94332

Report Date: September 5, 2014

Retest #1

Property Sampled: 13029 Highgrove Road, 20777
Sample Location: Pressure Tank Tap
Residual Chlorine: <0.1 mg/L

Building Permit #: B14000169
Sampler ID #: 7483AM
Samples Iced: Yes

County: Howard **Subdivision:** Schooley Mill Farm **Lot #:** 4

Date/Time Collected in Field: September 4, 2014 9:51 am
Date/Time Received in Lab: September 4, 2014 2:33 pm

Well Tag #: No Visible Well Tag
Well Condition: 2-Piece Cap, Satisfactory

Water Treatment/Conditioning: N/A – Raw Sample

PARAMETER	METHOD	MCL	RESULT	COMMENT
✓ Total Coliform	SM 9223B	Absent	Absent	Pass
✓ E. coli	SM 9223B	Absent	Absent	Pass

The results in this report relate only to those items tested. If any additional information or clarification of this report is required, please contact us. This test report shall not be reproduced except in full without the written approval of Trace Laboratories Inc.

O.K.
 H.O. 9/25/14

Amber Maxwell
 Water Quality Analyst

Send Report To:

Best Nixon

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

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

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: No. B: Field Blank Bottle No. 1: FB KW 21313 No B:

Plant/Site Name: HCHD County: Howard

Sample Source: Distilled H₂O Location: Lab
(well no, lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Community	<input type="checkbox"/>
Non-community	<input type="checkbox"/>
Private	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Source (raw water)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Emergency	<input type="checkbox"/>
Routine	<input checked="" type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Collector: K. Wolf

Telephone No.: 410 313 2645

Date Collected: 2/13/13

Time Collected: 10:00 a.m. p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code: Federal Project:

Field Data: pH Chlorine

Remarks: Field Blank for Gross α & β

✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
	Gross Alpha	4000				
	Gross Beta	4100				
	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: / /

Supervisor:

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

Send Report To:

Bert Nixon

Howard County Health Department
Bureau of Environmental Health
7178 Columbia Gateway Drive
Columbia, Maryland 21046

State of Maryland
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RADIATION LABORATORY

201 W. Preston Street, Baltimore, Maryland 21201
John M. DeBoy, Dr. P. H., Director

LABORATORY ANALYSIS REQUEST

Sample Bottle No. A: HOKW2439 No. B: Field Blank Bottle No. 1: FBKW21313 No B:

Plant/Site Name: Schooley Mill Farm - Lot (4) County: Howard

Sample Source: Hall Shop Rd Location: HO-95-2489
(well no, lab sink, sample tap, etc.)

County: 1 3 Plant No.

CHECK (one per box)

Drinking Water	<input checked="" type="checkbox"/>
Landfill	<input type="checkbox"/>
Stream	<input type="checkbox"/>
Other	<input type="checkbox"/>

Community	<input type="checkbox"/>
Non-community	<input type="checkbox"/>
Private	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Source (raw water)	<input checked="" type="checkbox"/>
Distribution (treated)	<input type="checkbox"/>
MCL	<input type="checkbox"/>

Emergency	<input type="checkbox"/>
Routine	<input checked="" type="checkbox"/>
Recheck	<input type="checkbox"/>
Special	<input type="checkbox"/>

Collector: K. Wolf

Telephone No.: 410-313-2645

Date Collected: 2/13/13

Time Collected: 11:30 a.m. p.m.

Nitric Acid Preserved: Yes No

Iced: Yes No

Submitters Code:

Federal Project:

Field Data: pH Chlorine

Remarks: Sample pH preserved < 2.0

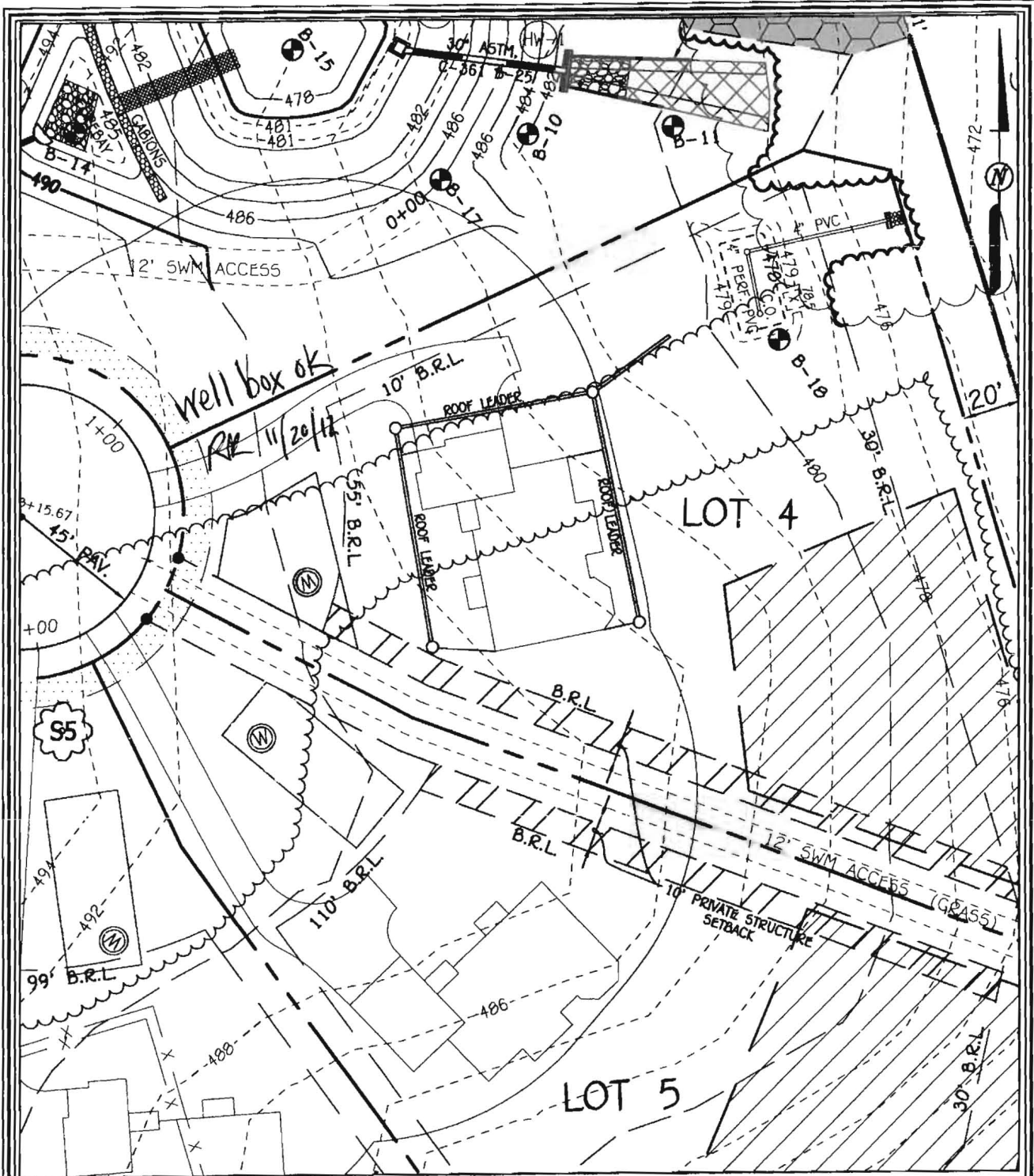
✓	Test	EPA Code	Laboratory No.	Results (pCi/L)	Date Analyzed	Date Reported
✓	Gross Alpha	4000				
✓	Gross Beta	4100				
	Radon-222 Bottle A	4004				
	Radon-222 Bottle B	4004				
	Field Blank #A	4004				
	Field Blank #B	4004				
	Tritium					
	Ra - 226	4020				
	Ra - 228	4030				
	Total Uranium	4006				

Date Received: / /

Supervisor:

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

I:\2005\05037\dwg\FINAL\05037 well maps.dwg, LOT 4, 9/26/2012 2:21:19 PM, 1:1



WELL LOCATION INFORMATION:

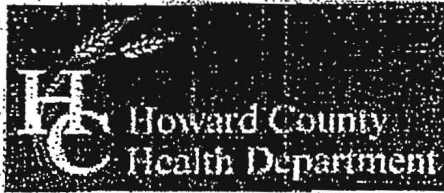
NORTHING = 547,117.9095	EASTING = 1,324,787.5795
LATITUDE = N39°10'08.18"	LONGITUDE = W76°57'21.90"

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

LOT 4 WELL MAP
SCHOOLEY MILL FARM

BUILDABLE LOTS 1 - 11,
 BUILDABLE PRESERVATION PARCEL 'A' &
 NON-BUILDABLE PRESERVATION PARCELS 'B' - 'D'

ZONED: RR-DEO
 TAX MAP 40, GRID 10 & 11, PARCEL 115 & 149
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 50' DATE: SEPT. 26, 2012
 SHEET 4 OF 12



Bureau of Environmental Health
 7178 Columbia Gateway Drive, Columbia, MD 21046-2147
 (410) 313-2640 Fax (410) 313-2645
 TDD (410) 313-2323 Toll Free 1-866-313-6350
 website: www.hchealth.org

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

TO ALL INTERESTED PARTIES

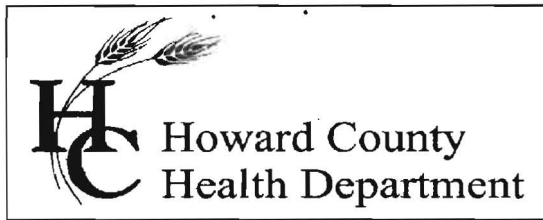
When submitting a well permit application for a proposed well for new construction, please indicate one of the following:

Well Site Location:
Schoody Mill Farm 4 Hall Shop RD
 Subdivision/Property Name Lot# Road Name

- The well site has been staked by Fisher Collins & Carter Inc
 (professional land surveyor or company employing professional land surveyors)
 on 8/29/12 (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 3/11/05



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
Main: 410-313-6300 | Fax: 410-313-6303
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 – March 25, 2015

September 25, 2014

Homeowner
13029 Highgrove Road
Highland, MD 20777

**RE: Schooley Mill Farm, Lot #4
13029 Highgrove Road
Building Permit: B14000169
Well Permit: HO-95-2439**

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 **September 24, 2014**. Final approval of the well line connection to the dwelling was granted on **July 18, 2014**. The well construction was completed on **February 13, 2013**. Water samples were collected on **February 13, 2013, August 21, 2014 and September 4, 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 **February 13, 2013**. Results showed a Gross Alpha level of **3.1 ± 1.3 pCi/L** and **Gross Beta** level of **7.0 ± 2.0 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). 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-95-2439. 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,

Hank Oswald

Hank Oswald
Environmental Sanitarian
Well & Septic Program

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

GEORGE W. MA... ZONED RR-85

OWNED: H.O.A. CO. EASEMENT HOLDERS: HO. PLAT NO. 22507

ACCESS, PRIVATE & UTILITIES PRESERVATION & DRAINAGE TO NON-BUILDABLE NOTES 30 & 31 SEE GENERAL NOTES PLAT NO. 22507

NON-BUILDABLE PARCEL 'B'

LOT 4
49,399 SQ.FT.

EXISTING BIO-RETENTION FACILITY
PRIVATELY OWNED & MAINTAINED
BY HOMEOWNER

PROVIDE 4'x4' U/G RIP RAP
@ END OF 6'SID.
d50 = 4'-6", MIN. DEPTH = 1'
ON APPROVED FILTER CLOTH

PROP. BAT SEPTIC TANK

SEPTIC AREA

REPLACEMENT TRENCH (44")

REPLACEMENT TRENCH (44")

INITIAL TRENCH (44")

INITIAL TRENCH (44")

BLOWER CONTROL PANEL

ELEV. C
MOUNT VERNON II
(REV.)
FF 501.04
B 491.02

HOUSE FACES WEST-SOUTHWEST

GAR.
3 CAR

91' PRIVATE STRUCTURE SETBACK
PB NO. 22507

No. 1
EXTENDED POND (P-1)
DI CLASS 'A'
BY H.O.A. & JOINTLY
BY H.O.A. & HO. CO.

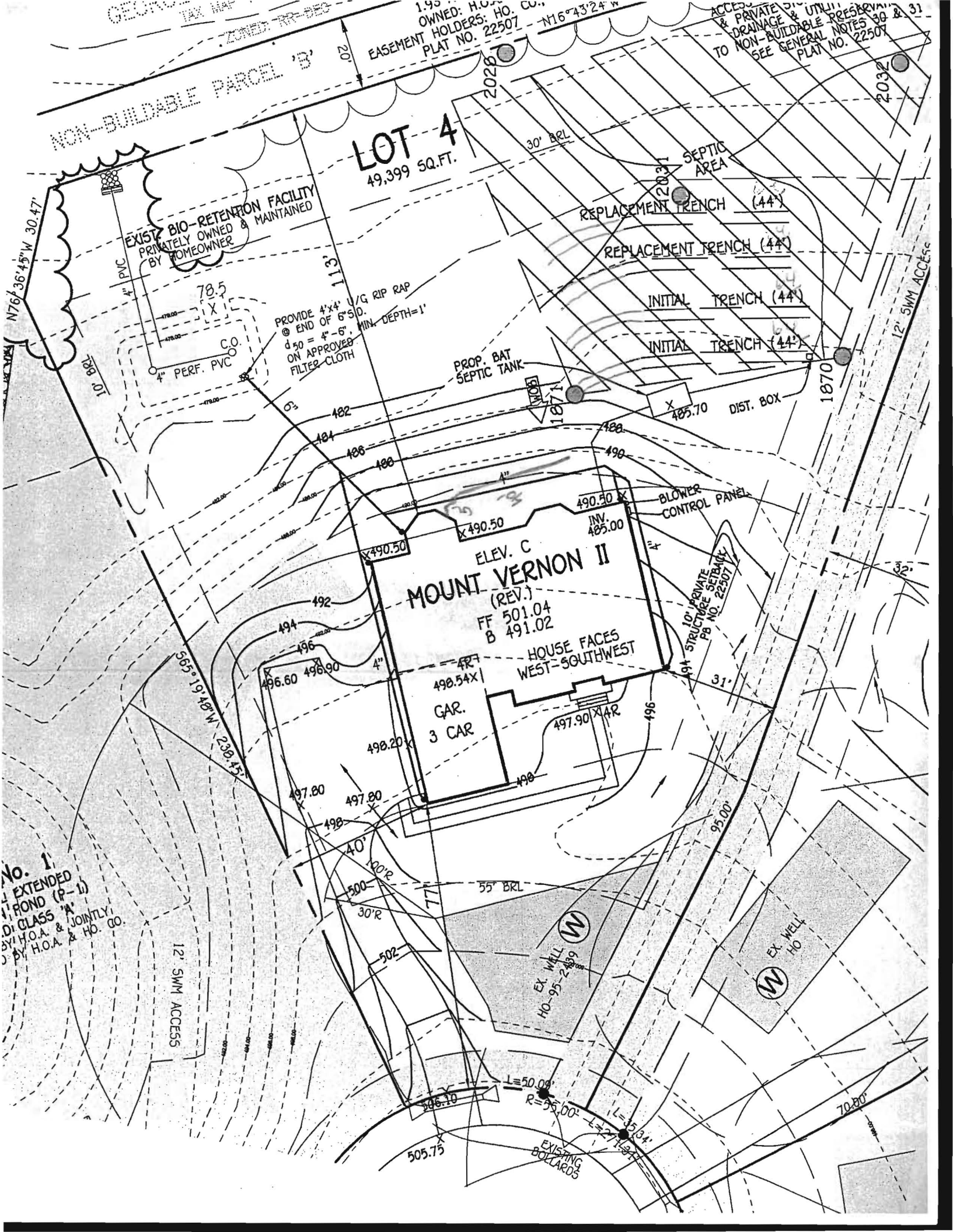
12' SWM ACCESS

12' SWM ACCESS

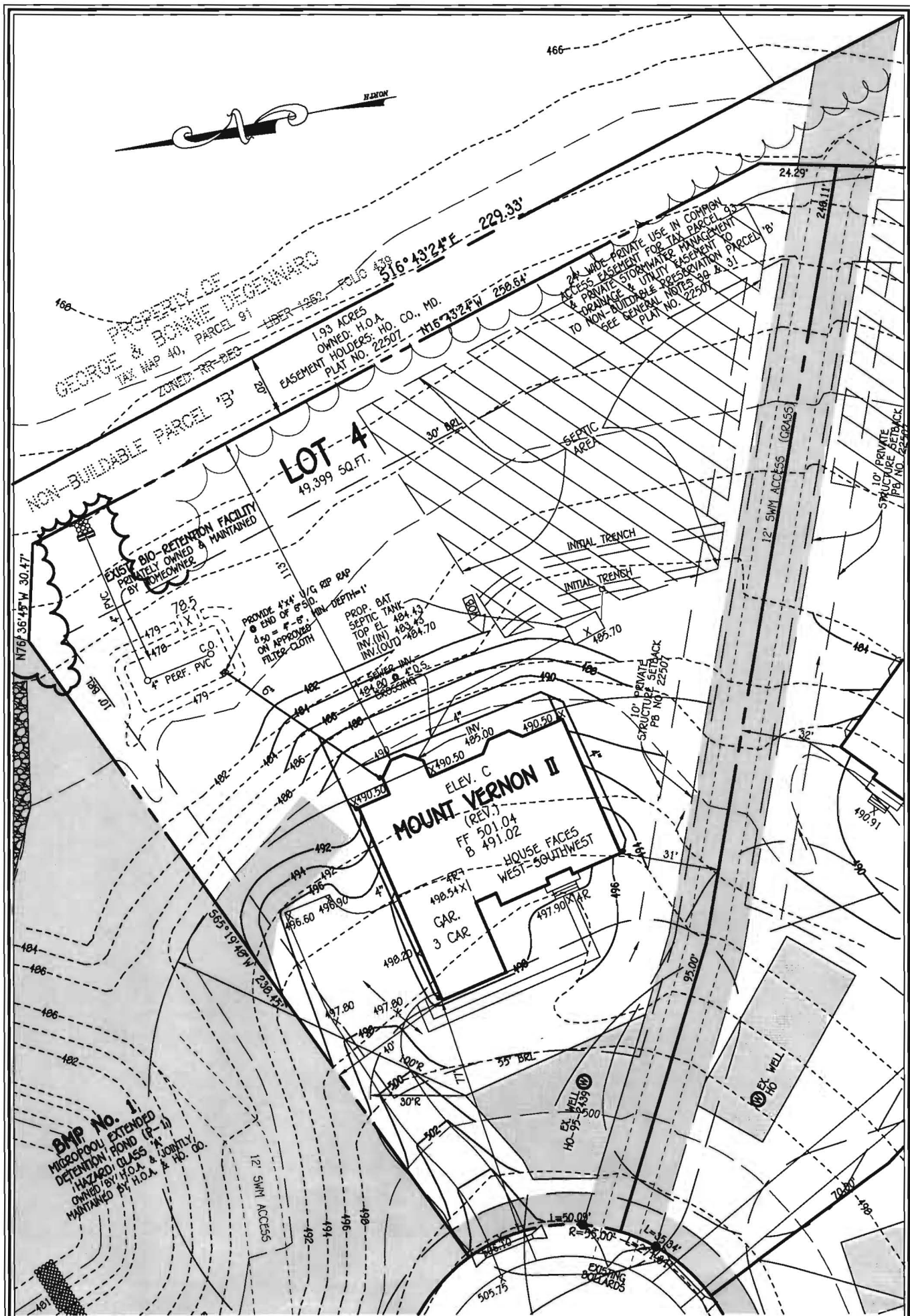
EX. WELL
HO-95-2439

EX. WELL
HO

EXISTING BOLLARDS



I:\2005\05037\dwg\Site Development, Sediment & Erosion Control Plans\05037-3001 Permit Plan Lot 4.dwg, Model, 1/7/2014 2:12:51 PM, 1:30



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

PERMIT PLAN
LOT 4
SCHOOLEY MILL FARM

13029 HIGHGROVE ROAD
 ZONED: R-ED
 TAX MAP NO.: 40 PARCEL NO.: 115 & 149 GRID NO.: 10 & 14
 5TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1" = 30' DATE: JANUARY, 2014

