



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ A/P _____

AGENCY REVIEW: _____ DATE _____

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH unknown PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Robert Williams

DAYTIME PHONE 410 465 5366 CELL _____ FAX _____

MAILING ADDRESS 13110 GREENBERRY LANE CLARKSVILLE MD 21029
STREET CITY/TOWN STATE ZIP

APPLICANT MILDENBERG, BOENDER & ASSOC., INC.

DAYTIME PHONE 410 997 0296 CELL 1 FAX 410 997 0298

MAILING ADDRESS 6800 Deerpath Rd Elkridge, MD 21075
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME GREENBERRY LOT NO. 17

PROPERTY ADDRESS 13110 GREENBERRY LANE CLARKSVILLE MD 21029
STREET TOWN/POST OFFICE

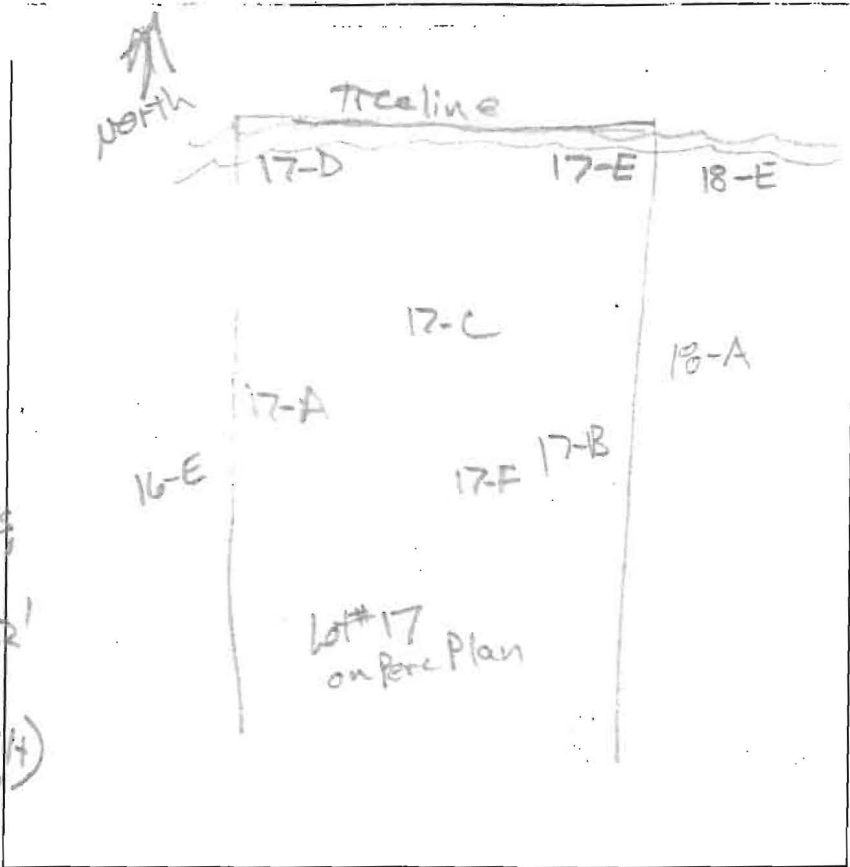
TAX MAP PAGE(S) 28 GRID _____ PARCEL(S) 48 PROPOSED LOT SIZE 1A±

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN. TEST RESULTS WILL BE MAILED TO APPLICANT.

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

17-F
 0.4' dk brn L
 3 vcp
 2.5' brn cl
 2 msbk
 brn cl
 7 fsbk 3'
 yel-brn L
 2m dense
 red grl 4.5'
 red, blk & tan
 sl, micaceous
 9.8'
 red & brn
 cks, 2 cpl
 11.2'
 red & tan
 flls. 2 cpl
 (c3p (white silt))
 13'
 Many mica



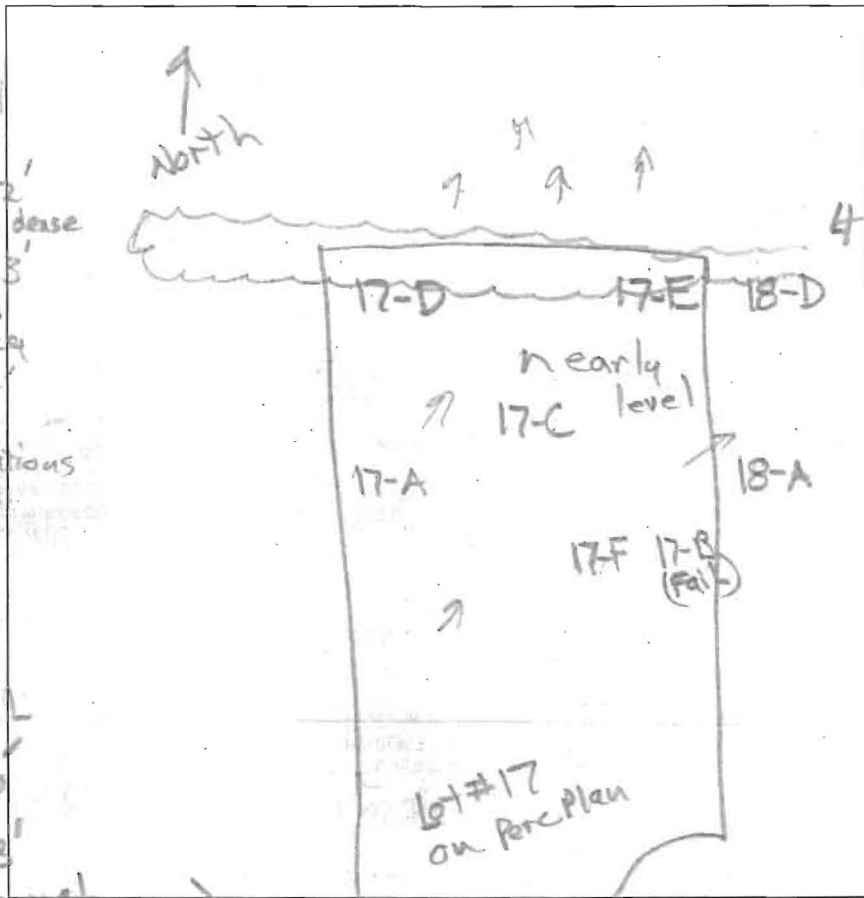
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/25/12	17-F	11.2'	Visual	sidewall	1.2 gpm	4.5 to 7'	P

REMARKS _____
 SANITARIAN RB BACKHOE JBA OTHERS Jacob Hikmat
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

Greenberry Lot 17, page 1 of 2

17-D

A/P



17-A
 dk brn L 2cpl
 to brn cl 2msbk
 brn gl dense
 few mica 3.8
 red, yel tan
 spl, many mica
 1 spl 7.5
 red/dk grey
 sl mpl striations
 common
 yel-brn
 sl, cpl 12

17-B
 dk grey-brn L
 1cpl 0.6
 yel-brn cl 2msbk 2.3
 yel-brn & pale yel
 Loam w/ mica
 2mpl 4.5
 pale yel
 red-yel cl
 3mpl 7.1
 pale yel
 dense
 denser & spl 8.3

red & tan
 chsl many
 mica 9.5
 red & brn spl
 2cpl
 few channers
 & flags
 blk coats 12

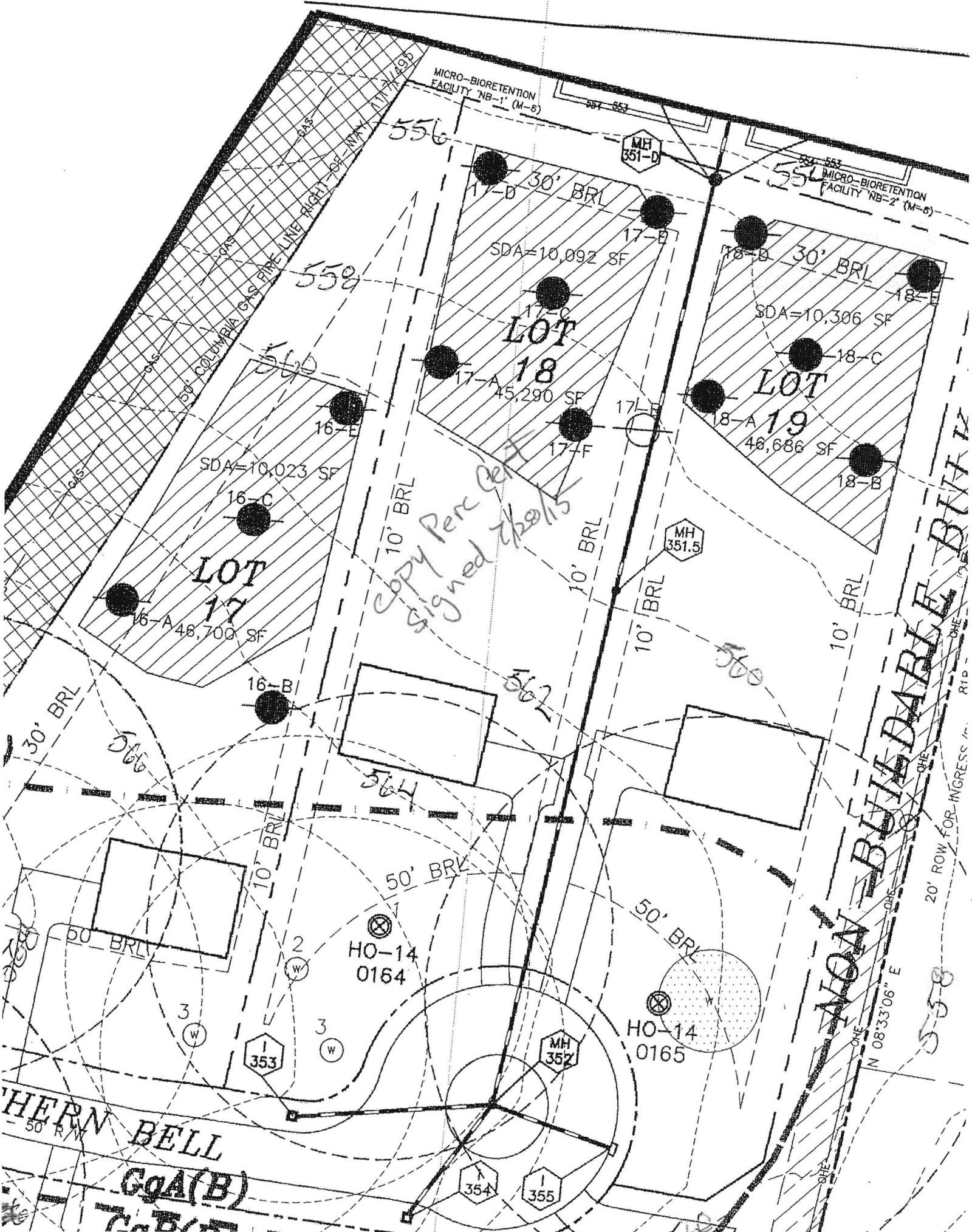
27
 1
 4
 5.5
 7.5
 12
 dk brn L 3cpl
 to brn cl 2msbk
 1/2 brn cl, 1/2 sbk
 brn L, gran
 dense, few mica
 brn tan spl
 red & tan spl
 7 spl
 many mica
 red & brn spl
 7 mpl
 many mica

17-E
 0.6
 2
 3
 4
 6
 8.8
 12
 dk brn L 3cpl
 brn cl 2msbk
 yel-red spl
 common mica
 brn yel chls
 many mica
 red & yel spl
 red-yel & grey-brn
 chls
 many mica
 red yel-brn
 chls, few lgs
 many mica

17-C
 0.4
 1.4
 2.5
 5.5
 11.3
 14.3
 dk brn L
 3 v cpl
 brn cl
 2msbk
 yel-red spl
 1msbk
 yel-brn
 & yel-red spl
 dense, gran
 red & tan spl
 7 spl mica coars
 red & brn spl
 2cpl, many
 black coats

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/25/12	17-A	6' / 15'	9:54	9:57	10:07	5	P
10/25/12	17-D	12'	Visual	4' - 8" dk	1.2 grad / 1 ft 2		P
10/25/12	17-E	5' / 12'	11:20	11:23	11:27	4	P
10/25/12	17-B	5' / 12'	10:58	11:09	pulled	reshelf	
10/25/12	17-C	5.8' / 11.3'	11:42	11:46	11:51	5	P
reshelf	17-B	8.5' / 12'	11:58	12:01	12:07	6	P*

REMARKS: #17-B passes below 8.3'; PARS for OSWS
 SANITARIAN: RR BACKHOE: JJA OTHERS: Jacob Hikmat
 TEST HOLES USED IN SDA: _____ AVG. PERC TIME: _____ SQ. FT/BR: _____
 TRENCH WIDTH: _____ INLET DEPTH: _____ MAX. BOT DEPTH: _____ EFFECTIVE SW: _____



MICRO-BIORETENTION FACILITY 'NB-1' (M-6)

MICRO-BIORETENTION FACILITY 'NB-2' (M-6)

Copy Perc Cert signed 7/20/15

LOT 17
16-A 48,700 SF

LOT 18
45,290 SF

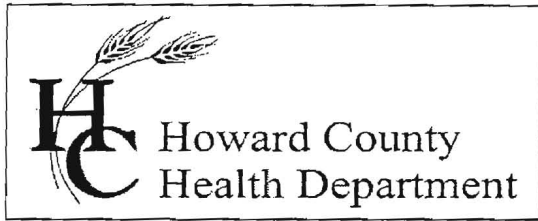
LOT 19
48,686 SF

HO-14 0164

HO-14 0165

HERN BELL
50' R/W
GQA(B)
C-B

NON-BUILDABLE BULK
20' ROW FOR INGRESS / EGRESS
N 08°33'06" E



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
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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

August 29, 2013

Robert Williams
c/o Jacob Hikmat, Applicant for Percolation Tests

RE: Variance request
'Greenberry'
Tax Map 28, Parcel 48
Howard County, Maryland

Dear Mr. Williams,


The Health Department submitted a variance request on your behalf for the potential development of the Parcel 48 (Howard County Tax Map 28). Consideration of the soil conditions and percolation test results, assumed groundwater flow patterns, and landscape position were some of the factors used in making our recommendation for approval.

The Maryland Department of the Environment (MDE) has accepted our recommendation to approve the variance request subject to the specific conditions that are described below. The pending approval will allow for sewage disposal areas (SDAs) to be established at the current proposed locations on lots currently designated as '18', '19', '20', and '21' on SP-13-010. Should you sell your property prior to development, these requirements shall continue with the property transfer. One or more of the designated SDAs' locations are at least 200 feet distance from wells that are downgrade on neighboring properties. The wells located on Lot 21, and on Lot 24 (both in Twelve Hills Subdivision), and on Parcel 162, are downgrade of SDAs on Lots 18 and 19, Lot 20, and Lots 20 and 21 respectively.

Due to the geology, soils characteristics, and landscape position of the sewage areas in relation to the proposed wells, the proposal may be approved subject to the following conditions:

1. The sewage discharge from the residences to be built on the designated lots must be treated by best-available-technology (BAT) denitrification units. (Currently required by MDE.)
2. Low-pressure distribution design, or an approved alternative design, is to be utilized for all drainfields that will be established on the designated lots.

If you have any questions regarding this letter, you may contact me at the above address or by calling (410) 313-1771.

Respectfully,

Robert Bricker, REHS/R.S.
Well and Septic Program


Steven Krieg, R.S.
Maryland Department of the Environment

COPY: Jacob Hikmat, Applicant
file

Bricker, Robert

From: Bricker, Robert
Sent: Friday, March 04, 2016 4:12 PM
To: Taylor Faris ([REDACTED])
Subject: B16000682_11917 Northern Bell Way

Taylor,

I have placed the referenced building permit 'On Hold'

1. A discrepancy exists between floor plans and description of work on application form, i.e. the floor plans indicate "unfinished" basement and the application form states "finished lower level".
2. Also, a revision of the BAT Plan is required.

ROBERT BRICKER, REHS/R.S., L.E.H.S.
ENVIRONMENTAL SANITARIAN II
BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
8930 STANFORD BLVD., COLUMBIA, MD 21045

Phone: Desk, 410-313-2691; Program, 410-313-1771; Bureau, 410-313-1774
Fax: 410-313-2648

E-mail: rbricker@howardcountymd.gov

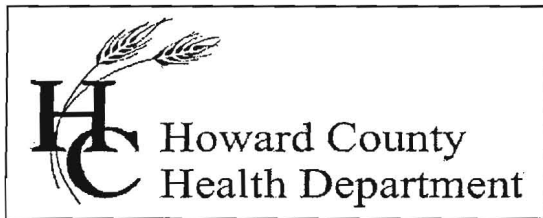
Submit at least two copies of the revised BAT Plan to my attention at the Bureau of Environmental Health. You may contact me at 410-313-2691, or by email, if you have questions about these requirements.

Respectfully,

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 Health Specialist
Well and Septic Program

Copy: Jacob Hikmat, Mildenberg-Boender & Assoc., Inc.
file



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Twitter: HowardCoHealthDep

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

August 29, 2013

Robert Williams
c/o Jacob Hikmat, Applicant for Percolation Tests

RE: Variance request
'Greenberry'
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Howard County, Maryland

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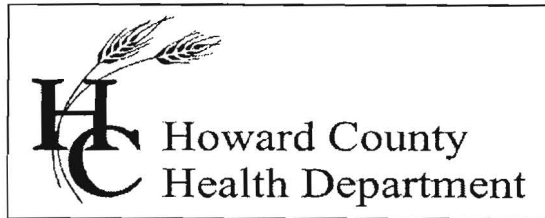
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Respectfully,


Robert Ericker, REHS/R.S.
Well and Septic Program


Steven Krieg, R.S.
Maryland Department of the Environment

COPY: Jacob Hikmat, Applicant
file



Bureau of Environmental Health

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

March 4, 2016

To: Maya Mildenberg, Mildenberg-Boender & Associates


RE: BAT Site Plan comments; Greenberry, Lot 18 (11917 Northern Bell Way)

A revision of the BAT Plan for Lot 18 is needed.

1. I think the WE-05HH pump may not be an appropriate selection. It is designed for High-Head conditions, which does not apply to the Lot 18 scenario. The pump performance is designed such that it discharges 58 gallons at 10 feet of head, which is very near the Head and Discharge designed for the LPD system on Lot 18. If there is the slightest error in estimated head or the installer makes the perforations just slightly larger than 5/16", the pump may not perform adequately. It may be a little less costly in the end to install a WE-05H pump.
2. The spacing between trenches for each system and within systems measures less than 10 feet.
3. A Control Box location must be proposed.
4. Illustrate a cleanout at the bend in the SHC. Also, illustrate a cleanout near the house foundation that is 70 feet or less from the cleanout at the bend in the SHC.
5. The label for the lateral layout diagram is inaccurate. The correct label should be END FEED LAYOUT (rather than CENTER FEED LAYOUT).
6. There is a label for "6"-block" in the Hoot diagram that is misplaced. You may check with the manufacturer, but I think the block is not needed in Mayer Brother's HOOT system.
7. The Health Officer's signature block is not needed on the BAT Plan and may be deleted.

Submit at least two copies of the revised BAT Plan to my attention at the Bureau of Environmental Health. You may contact me at 410-313-2691, or by email, if you have questions about these requirements.

Respectfully,

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 Health Specialist
Well and Septic Program

Copy: Jacob Hikmat, Mildenberg-Boender & Assoc., Inc.
file



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

December 9, 2014

MEMORANDUM

TO: Fogle's Well Drilling, LLC
PO Box 202
Woodbine, MD 21797

Mildenberg, Bender, and Associates, Inc.
7350-B Grace Drive
Columbia, MD 21044

FROM: Sarah Collins SEC
Environmental Health Specialist
Howard County Health Department

RE: Greenberry Well Permits

Please note the following special conditions for the Greenberry subdivision well permits:

The Percolation Certification for the Greenberry subdivision shows circular well boxes for lots 7, 10, 12, 13, 15, 16, 18, and 19. The center of the well box has been staked and the driller is to drill at the outer perimeter of the well box, **22 feet from the center stake.**

All monitoring and test wells shown on the Percolation Certification are to be sealed. Abandonment reports must be submitted with well completion reports.

At the time of the yield test, a water sample needs to be collected for pesticides testing for lots 2, 3, 4, 5, 10, and 12.

At the time of the yield test, a water sample needs to be collected for TDS, sodium, and chloride testing for lots 4, 9, 11, 14, and 20.

Cc: File